

**APPENDIX E-11      WDNR Lake Hayward Fish Data**

Visit Type	Gear	Sample Date	Fish Data Seq No	Species	Number of Fish	Total No.	% of Total
NETTING	FYKE NET	13-Jun-03	2107286	BLACK BULLHEAD	1		
NETTING	FYKE NET	13-Jun-03	2107323	BLACK BULLHEAD	1		
NETTING	FYKE NET	14-Jun-03	2107332	BLACK BULLHEAD	1		
NETTING	FYKE NET	14-Jun-03	2107339	BLACK BULLHEAD	1		
NETTING	FYKE NET	14-Jun-03	2107344	BLACK BULLHEAD	1		
NETTING	FYKE NET	15-Jun-03	2107366	BLACK BULLHEAD	1		
NETTING	FYKE NET	15-Jun-03	2107372	BLACK BULLHEAD	1		
NETTING	FYKE NET	15-Jun-03	2107378	BLACK BULLHEAD	1		
NETTING	MINI FYKE NET	15-Jul-03	2115282	BLACK BULLHEAD	1		
NETTING	MINI FYKE NET	15-Jul-03	2115283	BLACK BULLHEAD	1		
NETTING	MINI FYKE NET	15-Jul-03	2115284	BLACK BULLHEAD	1		
NETTING	MINI FYKE NET	16-Jul-03	2115315	BLACK BULLHEAD	1		
NETTING	FYKE NET	8-Apr-05	4002727	BLACK BULLHEAD	1		
NETTING	FYKE NET	8-Apr-05	4002728	BLACK BULLHEAD	1		
NETTING	FYKE NET	9-Apr-05	4002733	BLACK BULLHEAD	1		
NETTING	FYKE NET	11-Apr-05	4002766	BLACK BULLHEAD	1		
ELECTROFIS	BOOM SHOCKEI	4-Oct-07	6057501	BLACK BULLHEAD	1		
NETTING	FYKE NET	24-Apr-08	6774508	BLACK BULLHEAD	9		
NETTING	FYKE NET	25-Apr-08	6774669	BLACK BULLHEAD	5	31	0.36%
NETTING	FYKE NET	28-May-02	2088790	BLACK CRAPPIE	1		
NETTING	FYKE NET	28-May-02	2088791	BLACK CRAPPIE	1		
NETTING	FYKE NET	28-May-02	2088792	BLACK CRAPPIE	1		
NETTING	FYKE NET	28-May-02	2088793	BLACK CRAPPIE	3		
NETTING	FYKE NET	28-May-02	2088794	BLACK CRAPPIE	1		
ELECTROFIS	BOOM SHOCKEI	26-Sep-02	13422157	BLACK CRAPPIE	45		
NETTING	FYKE NET	8-Jun-03	2107208	BLACK CRAPPIE	3		
NETTING	FYKE NET	8-Jun-03	2107232	BLACK CRAPPIE	1		
NETTING	FYKE NET	8-Jun-03	2107233	BLACK CRAPPIE	2		
NETTING	FYKE NET	9-Jun-03	2107240	BLACK CRAPPIE	1		
NETTING	FYKE NET	9-Jun-03	2107267	BLACK CRAPPIE	2		
NETTING	FYKE NET	9-Jun-03	2107268	BLACK CRAPPIE	2		
NETTING	FYKE NET	10-Jun-03	2107277	BLACK CRAPPIE	1		
NETTING	FYKE NET	10-Jun-03	2107281	BLACK CRAPPIE	1		
NETTING	FYKE NET	13-Jun-03	2107291	BLACK CRAPPIE	1		
NETTING	FYKE NET	13-Jun-03	2107318	BLACK CRAPPIE	1		
NETTING	FYKE NET	14-Jun-03	2107337	BLACK CRAPPIE	2		
NETTING	FYKE NET	14-Jun-03	2107343	BLACK CRAPPIE	1		
NETTING	FYKE NET	15-Jun-03	2104373	BLACK CRAPPIE	9		
NETTING	FYKE NET	15-Jun-03	2104374	BLACK CRAPPIE	2		
NETTING	FYKE NET	15-Jun-03	2104375	BLACK CRAPPIE	1		
NETTING	FYKE NET	15-Jun-03	2107371	BLACK CRAPPIE	1		
NETTING	FYKE NET	15-Jun-03	2107377	BLACK CRAPPIE	1		
NETTING	MINI FYKE NET	15-Jul-03	2115285	BLACK CRAPPIE	1		
NETTING	MINI FYKE NET	15-Jul-03	2115286	BLACK CRAPPIE	1		
NETTING	MINI FYKE NET	16-Jul-03	2115306	BLACK CRAPPIE	19		
NETTING	MINI FYKE NET	16-Jul-03	2115307	BLACK CRAPPIE	1		
NETTING	MINI FYKE NET	16-Jul-03	2115308	BLACK CRAPPIE	1		
ELECTROFIS	BOOM SHOCKEI	1-Oct-03	2149513	BLACK CRAPPIE	2		
ELECTROFIS	BOOM SHOCKEI	1-Oct-03	2149514	BLACK CRAPPIE	1		
ELECTROFIS	BOOM SHOCKEI	1-Oct-03	2149515	BLACK CRAPPIE	1		
ELECTROFIS	BOOM SHOCKEI	1-Oct-03	2149516	BLACK CRAPPIE	1		
ELECTROFIS	BOOM SHOCKEI	1-Oct-03	2149517	BLACK CRAPPIE	1		
ELECTROFIS	BOOM SHOCKEI	1-Oct-03	2149518	BLACK CRAPPIE	1		
ELECTROFIS	BOOM SHOCKEI	1-Oct-03	2149519	BLACK CRAPPIE	1		
ELECTROFIS	BOOM SHOCKEI	1-Oct-03	2149520	BLACK CRAPPIE	1		
ELECTROFIS	BOOM SHOCKEI	1-Oct-03	2149521	BLACK CRAPPIE	2		
ELECTROFIS	BOOM SHOCKEI	1-Oct-03	2149522	BLACK CRAPPIE	1		
ELECTROFIS	BOOM SHOCKEI	1-Oct-03	2149572	BLACK CRAPPIE	1		
ELECTROFIS	BOOM SHOCKEI	1-Oct-03	2149573	BLACK CRAPPIE	1		
ELECTROFIS	BOOM SHOCKEI	1-Oct-03	2149574	BLACK CRAPPIE	1		

ELECTROFIS BOOM SHOCKEI	1-Oct-03	2149575	BLACK CRAPPIE	2
NETTING FYKE NET	9-Apr-05	4002732	BLACK CRAPPIE	1
NETTING FYKE NET	11-Apr-05	4002769	BLACK CRAPPIE	3
OTHER HOOK AND LINE	11-May-05	2740678	BLACK CRAPPIE	1
OTHER HOOK AND LINE	11-May-05	2740679	BLACK CRAPPIE	2
ELECTROFIS BOOM SHOCKEI	4-Oct-07	6057460	BLACK CRAPPIE	1
ELECTROFIS BOOM SHOCKEI	4-Oct-07	6057461	BLACK CRAPPIE	2
ELECTROFIS BOOM SHOCKEI	4-Oct-07	6057462	BLACK CRAPPIE	3
ELECTROFIS BOOM SHOCKEI	4-Oct-07	6057463	BLACK CRAPPIE	1
ELECTROFIS BOOM SHOCKEI	4-Oct-07	6057464	BLACK CRAPPIE	1
ELECTROFIS BOOM SHOCKEI	4-Oct-07	6057465	BLACK CRAPPIE	4
ELECTROFIS BOOM SHOCKEI	4-Oct-07	6057466	BLACK CRAPPIE	3
ELECTROFIS BOOM SHOCKEI	4-Oct-07	6057467	BLACK CRAPPIE	2
ELECTROFIS BOOM SHOCKEI	4-Oct-07	6057468	BLACK CRAPPIE	7
ELECTROFIS BOOM SHOCKEI	4-Oct-07	6057469	BLACK CRAPPIE	5
ELECTROFIS BOOM SHOCKEI	4-Oct-07	6057470	BLACK CRAPPIE	1
ELECTROFIS BOOM SHOCKEI	4-Oct-07	6057588	BLACK CRAPPIE	1
ELECTROFIS BOOM SHOCKEI	4-Oct-07	6057589	BLACK CRAPPIE	1
ELECTROFIS BOOM SHOCKEI	4-Oct-07	6057590	BLACK CRAPPIE	1
NETTING FYKE NET	24-Apr-08	6774382	BLACK CRAPPIE	1
NETTING FYKE NET	24-Apr-08	6774383	BLACK CRAPPIE	1
NETTING FYKE NET	24-Apr-08	6774384	BLACK CRAPPIE	2
NETTING FYKE NET	24-Apr-08	6774385	BLACK CRAPPIE	1
NETTING FYKE NET	24-Apr-08	6774386	BLACK CRAPPIE	1
NETTING FYKE NET	24-Apr-08	6774387	BLACK CRAPPIE	2
NETTING FYKE NET	24-Apr-08	6774388	BLACK CRAPPIE	2
NETTING FYKE NET	24-Apr-08	6774389	BLACK CRAPPIE	2
NETTING FYKE NET	24-Apr-08	6774390	BLACK CRAPPIE	1
NETTING FYKE NET	24-Apr-08	6774391	BLACK CRAPPIE	1
NETTING FYKE NET	24-Apr-08	6774392	BLACK CRAPPIE	2
NETTING FYKE NET	24-Apr-08	6774393	BLACK CRAPPIE	2
NETTING FYKE NET	24-Apr-08	6774394	BLACK CRAPPIE	2
NETTING FYKE NET	24-Apr-08	6774395	BLACK CRAPPIE	3
NETTING FYKE NET	24-Apr-08	6774396	BLACK CRAPPIE	5
NETTING FYKE NET	24-Apr-08	6774397	BLACK CRAPPIE	2
NETTING FYKE NET	24-Apr-08	6774398	BLACK CRAPPIE	2
NETTING FYKE NET	24-Apr-08	6774399	BLACK CRAPPIE	3
NETTING FYKE NET	24-Apr-08	6774400	BLACK CRAPPIE	3
NETTING FYKE NET	24-Apr-08	6774401	BLACK CRAPPIE	2
NETTING FYKE NET	24-Apr-08	6774402	BLACK CRAPPIE	1
NETTING FYKE NET	24-Apr-08	6774403	BLACK CRAPPIE	6
NETTING FYKE NET	24-Apr-08	6774404	BLACK CRAPPIE	3
NETTING FYKE NET	24-Apr-08	6774405	BLACK CRAPPIE	8
NETTING FYKE NET	24-Apr-08	6774406	BLACK CRAPPIE	5
NETTING FYKE NET	24-Apr-08	6774407	BLACK CRAPPIE	7
NETTING FYKE NET	24-Apr-08	6774408	BLACK CRAPPIE	4
NETTING FYKE NET	24-Apr-08	6774409	BLACK CRAPPIE	6
NETTING FYKE NET	24-Apr-08	6774410	BLACK CRAPPIE	4
NETTING FYKE NET	24-Apr-08	6774411	BLACK CRAPPIE	5
NETTING FYKE NET	24-Apr-08	6774412	BLACK CRAPPIE	2
NETTING FYKE NET	24-Apr-08	6774413	BLACK CRAPPIE	3
NETTING FYKE NET	24-Apr-08	6774414	BLACK CRAPPIE	3
NETTING FYKE NET	24-Apr-08	6774415	BLACK CRAPPIE	3
NETTING FYKE NET	24-Apr-08	6774416	BLACK CRAPPIE	3
NETTING FYKE NET	24-Apr-08	6774417	BLACK CRAPPIE	3
NETTING FYKE NET	24-Apr-08	6774418	BLACK CRAPPIE	2
NETTING FYKE NET	24-Apr-08	6774419	BLACK CRAPPIE	1
NETTING FYKE NET	24-Apr-08	6774420	BLACK CRAPPIE	3
NETTING FYKE NET	24-Apr-08	6774421	BLACK CRAPPIE	1
NETTING FYKE NET	24-Apr-08	6774422	BLACK CRAPPIE	1
NETTING FYKE NET	24-Apr-08	6774423	BLACK CRAPPIE	1

NETTING	FYKE NET	24-Apr-08	6774424	BLACK CRAPPIE	1
NETTING	FYKE NET	24-Apr-08	6774425	BLACK CRAPPIE	1
NETTING	FYKE NET	24-Apr-08	6774426	BLACK CRAPPIE	1
NETTING	FYKE NET	25-Apr-08	6774553	BLACK CRAPPIE	1
NETTING	FYKE NET	25-Apr-08	6774554	BLACK CRAPPIE	1
NETTING	FYKE NET	25-Apr-08	6774555	BLACK CRAPPIE	1
NETTING	FYKE NET	25-Apr-08	6774556	BLACK CRAPPIE	1
NETTING	FYKE NET	25-Apr-08	6774557	BLACK CRAPPIE	2
NETTING	FYKE NET	25-Apr-08	6774558	BLACK CRAPPIE	2
NETTING	FYKE NET	25-Apr-08	6774559	BLACK CRAPPIE	1
NETTING	FYKE NET	25-Apr-08	6774560	BLACK CRAPPIE	7
NETTING	FYKE NET	25-Apr-08	6774561	BLACK CRAPPIE	2
NETTING	FYKE NET	25-Apr-08	6774562	BLACK CRAPPIE	4
NETTING	FYKE NET	25-Apr-08	6774563	BLACK CRAPPIE	1
NETTING	FYKE NET	25-Apr-08	6774564	BLACK CRAPPIE	3
NETTING	FYKE NET	25-Apr-08	6774565	BLACK CRAPPIE	1
NETTING	FYKE NET	25-Apr-08	6774566	BLACK CRAPPIE	4
NETTING	FYKE NET	25-Apr-08	6774567	BLACK CRAPPIE	4
NETTING	FYKE NET	25-Apr-08	6774568	BLACK CRAPPIE	2
NETTING	FYKE NET	25-Apr-08	6774569	BLACK CRAPPIE	1
NETTING	FYKE NET	25-Apr-08	6774570	BLACK CRAPPIE	3
NETTING	FYKE NET	25-Apr-08	6774571	BLACK CRAPPIE	2
NETTING	FYKE NET	25-Apr-08	6774572	BLACK CRAPPIE	3
NETTING	FYKE NET	25-Apr-08	6774573	BLACK CRAPPIE	2
NETTING	FYKE NET	25-Apr-08	6774574	BLACK CRAPPIE	1
NETTING	FYKE NET	25-Apr-08	6774575	BLACK CRAPPIE	4
NETTING	FYKE NET	25-Apr-08	6774576	BLACK CRAPPIE	2
NETTING	FYKE NET	25-Apr-08	6774577	BLACK CRAPPIE	1
NETTING	FYKE NET	25-Apr-08	6774578	BLACK CRAPPIE	2
NETTING	FYKE NET	25-Apr-08	6774579	BLACK CRAPPIE	2
NETTING	FYKE NET	25-Apr-08	6774580	BLACK CRAPPIE	1
NETTING	FYKE NET	25-Apr-08	6774581	BLACK CRAPPIE	1
NETTING	FYKE NET	25-Apr-08	6774582	BLACK CRAPPIE	1
NETTING	FYKE NET	25-Apr-08	6774583	BLACK CRAPPIE	1
NETTING	FYKE NET	25-Apr-08	6774584	BLACK CRAPPIE	1
NETTING	FYKE NET	25-Apr-08	6774585	BLACK CRAPPIE	1
NETTING	FYKE NET	25-Apr-08	6774586	BLACK CRAPPIE	2
NETTING	FYKE NET	25-Apr-08	6774587	BLACK CRAPPIE	1
NETTING	FYKE NET	25-Apr-08	6774588	BLACK CRAPPIE	1
ELECTROFIS	BOOM SHOCKEI	9-Jun-08	6783330	BLACK CRAPPIE	1
ELECTROFIS	BOOM SHOCKEI	9-Jun-08	6783331	BLACK CRAPPIE	1
NETTING	FYKE NET	23-Apr-14	10379731	BLACK CRAPPIE	2
NETTING	FYKE NET	23-Apr-14	10379741	BLACK CRAPPIE	5
NETTING	FYKE NET	23-Apr-14	10379744	BLACK CRAPPIE	2
NETTING	FYKE NET	23-Apr-14	10379752	BLACK CRAPPIE	10
NETTING	FYKE NET	23-Apr-14	10379758	BLACK CRAPPIE	6
NETTING	FYKE NET	23-Apr-14	10379760	BLACK CRAPPIE	3
NETTING	FYKE NET	23-Apr-14	10379764	BLACK CRAPPIE	3
NETTING	FYKE NET	23-Apr-14	10379765	BLACK CRAPPIE	3
NETTING	FYKE NET	23-Apr-14	10379767	BLACK CRAPPIE	1
NETTING	FYKE NET	23-Apr-14	10379768	BLACK CRAPPIE	1
NETTING	FYKE NET	23-Apr-14	10379771	BLACK CRAPPIE	1
NETTING	FYKE NET	23-Apr-14	10379777	BLACK CRAPPIE	11
NETTING	FYKE NET	23-Apr-14	10379822	BLACK CRAPPIE	35
NETTING	FYKE NET	23-Apr-14	10379830	BLACK CRAPPIE	11
NETTING	FYKE NET	23-Apr-14	10379847	BLACK CRAPPIE	14
NETTING	FYKE NET	23-Apr-14	10379865	BLACK CRAPPIE	18
NETTING	FYKE NET	24-Apr-14	10379874	BLACK CRAPPIE	1
NETTING	FYKE NET	24-Apr-14	10379875	BLACK CRAPPIE	1
NETTING	FYKE NET	24-Apr-14	10379876	BLACK CRAPPIE	1
NETTING	FYKE NET	24-Apr-14	10379877	BLACK CRAPPIE	1



NETTING	FYKE NET	24-Apr-14	10380130	BLACK CRAPPIE	1		
NETTING	FYKE NET	24-Apr-14	10380131	BLACK CRAPPIE	1		
NETTING	FYKE NET	24-Apr-14	10380132	BLACK CRAPPIE	1		
NETTING	FYKE NET	24-Apr-14	10380133	BLACK CRAPPIE	1		
NETTING	FYKE NET	24-Apr-14	10380134	BLACK CRAPPIE	1		
NETTING	FYKE NET	24-Apr-14	10380135	BLACK CRAPPIE	1		
NETTING	FYKE NET	24-Apr-14	10380136	BLACK CRAPPIE	1		
NETTING	FYKE NET	24-Apr-14	10380137	BLACK CRAPPIE	1		
NETTING	FYKE NET	24-Apr-14	10380138	BLACK CRAPPIE	1		
NETTING	FYKE NET	24-Apr-14	10380139	BLACK CRAPPIE	1		
NETTING	FYKE NET	24-Apr-14	10380140	BLACK CRAPPIE	1		
NETTING	FYKE NET	24-Apr-14	10380141	BLACK CRAPPIE	1		
NETTING	FYKE NET	24-Apr-14	10380142	BLACK CRAPPIE	1		
NETTING	FYKE NET	24-Apr-14	10380143	BLACK CRAPPIE	1		
NETTING	FYKE NET	24-Apr-14	10380144	BLACK CRAPPIE	1		
NETTING	FYKE NET	24-Apr-14	10380145	BLACK CRAPPIE	1		
NETTING	FYKE NET	24-Apr-14	10380146	BLACK CRAPPIE	1		
NETTING	FYKE NET	24-Apr-14	10380147	BLACK CRAPPIE	1		
NETTING	FYKE NET	24-Apr-14	10380148	BLACK CRAPPIE	1		
NETTING	FYKE NET	24-Apr-14	10380149	BLACK CRAPPIE	1		
NETTING	FYKE NET	24-Apr-14	10380150	BLACK CRAPPIE	1		
NETTING	FYKE NET	24-Apr-14	10380151	BLACK CRAPPIE	1		
NETTING	FYKE NET	24-Apr-14	10380152	BLACK CRAPPIE	1		
NETTING	FYKE NET	24-Apr-14	10380153	BLACK CRAPPIE	1		
NETTING	FYKE NET	24-Apr-14	10380154	BLACK CRAPPIE	1		
NETTING	FYKE NET	24-Apr-14	10380155	BLACK CRAPPIE	1		
NETTING	FYKE NET	24-Apr-14	10380156	BLACK CRAPPIE	1		
NETTING	FYKE NET	24-Apr-14	10380159	BLACK CRAPPIE	22		
NETTING	FYKE NET	25-Apr-14	10380169	BLACK CRAPPIE	1		
NETTING	FYKE NET	25-Apr-14	10380197	BLACK CRAPPIE	19		
NETTING	FYKE NET	25-Apr-14	10380204	BLACK CRAPPIE	10		
NETTING	FYKE NET	25-Apr-14	10380212	BLACK CRAPPIE	32		
NETTING	FYKE NET	25-Apr-14	10380219	BLACK CRAPPIE	26		
NETTING	FYKE NET	25-Apr-14	10380234	BLACK CRAPPIE	25		
NETTING	FYKE NET	25-Apr-14	10380254	BLACK CRAPPIE	9		
NETTING	FYKE NET	25-Apr-14	10380266	BLACK CRAPPIE	15		
NETTING	FYKE NET	25-Apr-14	10380268	BLACK CRAPPIE	11		
NETTING	FYKE NET	25-Apr-14	10380270	BLACK CRAPPIE	2		
NETTING	FYKE NET	25-Apr-14	10380271	BLACK CRAPPIE	27		
NETTING	FYKE NET	25-Apr-14	10380285	BLACK CRAPPIE	22		
NETTING	FYKE NET	25-Apr-14	10380299	BLACK CRAPPIE	50		
NETTING	FYKE NET	26-Apr-14	10380301	BLACK CRAPPIE	2		
NETTING	FYKE NET	26-Apr-14	10380307	BLACK CRAPPIE	6		
NETTING	FYKE NET	26-Apr-14	10380325	BLACK CRAPPIE	37		
NETTING	FYKE NET	26-Apr-14	10380333	BLACK CRAPPIE	3		
NETTING	FYKE NET	26-Apr-14	10380356	BLACK CRAPPIE	50		
NETTING	FYKE NET	26-Apr-14	10380379	BLACK CRAPPIE	27		
NETTING	FYKE NET	26-Apr-14	10380397	BLACK CRAPPIE	69		
NETTING	FYKE NET	26-Apr-14	10380405	BLACK CRAPPIE	7		
NETTING	FYKE NET	26-Apr-14	10380419	BLACK CRAPPIE	37		
NETTING	FYKE NET	26-Apr-14	10380430	BLACK CRAPPIE	17		
NETTING	FYKE NET	26-Apr-14	10380434	BLACK CRAPPIE	10		
NETTING	FYKE NET	26-Apr-14	10380437	BLACK CRAPPIE	14	1263	14.62%
ELECTROFI'S BOOM SHOCKEI		27-Oct-65	8223505	BLUEGILL	1		
ELECTROFI'S BOOM SHOCKEI		27-Oct-65	8223506	BLUEGILL	1		
ELECTROFI'S BOOM SHOCKEI		27-Oct-65	8223507	BLUEGILL	3		
ELECTROFI'S BOOM SHOCKEI		27-Oct-65	8223508	BLUEGILL	1		
ELECTROFI'S BOOM SHOCKEI		27-Oct-65	8223509	BLUEGILL	1		
ELECTROFI'S BOOM SHOCKEI		27-Oct-65	8223510	BLUEGILL	2		
ELECTROFI'S BOOM SHOCKEI		27-Oct-65	8223511	BLUEGILL	6		
ELECTROFI'S BOOM SHOCKEI		27-Oct-65	8223512	BLUEGILL	9		

ELECTROFI: BOOM SHOCKEI	27-Oct-65	8223513	BLUEGILL	9
ELECTROFI: BOOM SHOCKEI	27-Oct-65	8223514	BLUEGILL	1
ELECTROFI: BOOM SHOCKEI	27-Oct-65	8223515	BLUEGILL	4
ELECTROFI: BOOM SHOCKEI	27-Oct-65	8223516	BLUEGILL	1
ELECTROFI: BOOM SHOCKEI	27-Oct-65	8223517	BLUEGILL	2
ELECTROFI: BOOM SHOCKEI	27-Oct-65	8223518	BLUEGILL	2
NETTING FYKE NET	28-May-02	2088771	BLUEGILL	4
NETTING FYKE NET	28-May-02	2088772	BLUEGILL	2
NETTING FYKE NET	28-May-02	2088773	BLUEGILL	2
NETTING FYKE NET	28-May-02	2088774	BLUEGILL	2
NETTING FYKE NET	28-May-02	2088775	BLUEGILL	1
NETTING FYKE NET	28-May-02	2088776	BLUEGILL	3
NETTING FYKE NET	28-May-02	2088777	BLUEGILL	1
NETTING FYKE NET	28-May-02	2088778	BLUEGILL	1
NETTING FYKE NET	28-May-02	2088779	BLUEGILL	1
ELECTROFI: BOOM SHOCKEI	26-Sep-02	13422155	BLUEGILL	19
NETTING FYKE NET	8-Jun-03	2107200	BLUEGILL	3
NETTING FYKE NET	8-Jun-03	2107205	BLUEGILL	46
NETTING FYKE NET	8-Jun-03	2107210	BLUEGILL	1
NETTING FYKE NET	8-Jun-03	2107211	BLUEGILL	1
NETTING FYKE NET	8-Jun-03	2107212	BLUEGILL	1
NETTING FYKE NET	8-Jun-03	2107213	BLUEGILL	7
NETTING FYKE NET	8-Jun-03	2107214	BLUEGILL	2
NETTING FYKE NET	8-Jun-03	2107215	BLUEGILL	2
NETTING FYKE NET	8-Jun-03	2107216	BLUEGILL	10
NETTING FYKE NET	8-Jun-03	2107217	BLUEGILL	8
NETTING FYKE NET	8-Jun-03	2107218	BLUEGILL	10
NETTING FYKE NET	8-Jun-03	2107219	BLUEGILL	4
NETTING FYKE NET	8-Jun-03	2107220	BLUEGILL	1
NETTING FYKE NET	8-Jun-03	2107221	BLUEGILL	1
NETTING FYKE NET	9-Jun-03	2107237	BLUEGILL	14
NETTING FYKE NET	9-Jun-03	2107243	BLUEGILL	1
NETTING FYKE NET	9-Jun-03	2107244	BLUEGILL	1
NETTING FYKE NET	9-Jun-03	2107245	BLUEGILL	5
NETTING FYKE NET	9-Jun-03	2107246	BLUEGILL	2
NETTING FYKE NET	9-Jun-03	2107247	BLUEGILL	5
NETTING FYKE NET	9-Jun-03	2107248	BLUEGILL	15
NETTING FYKE NET	9-Jun-03	2107249	BLUEGILL	11
NETTING FYKE NET	9-Jun-03	2107250	BLUEGILL	6
NETTING FYKE NET	9-Jun-03	2107251	BLUEGILL	1
NETTING FYKE NET	10-Jun-03	2107272	BLUEGILL	4
NETTING FYKE NET	10-Jun-03	2107274	BLUEGILL	22
NETTING FYKE NET	10-Jun-03	2107278	BLUEGILL	21
NETTING FYKE NET	13-Jun-03	2107283	BLUEGILL	1
NETTING FYKE NET	13-Jun-03	2107288	BLUEGILL	20
NETTING FYKE NET	13-Jun-03	2107294	BLUEGILL	23
NETTING FYKE NET	13-Jun-03	2107308	BLUEGILL	7
NETTING FYKE NET	13-Jun-03	2107309	BLUEGILL	3
NETTING FYKE NET	13-Jun-03	2107310	BLUEGILL	2
NETTING FYKE NET	13-Jun-03	2107311	BLUEGILL	1
NETTING FYKE NET	13-Jun-03	2107312	BLUEGILL	2
NETTING FYKE NET	13-Jun-03	2107313	BLUEGILL	5
NETTING FYKE NET	13-Jun-03	2107314	BLUEGILL	11
NETTING FYKE NET	13-Jun-03	2107315	BLUEGILL	6
NETTING FYKE NET	13-Jun-03	2107316	BLUEGILL	4
NETTING FYKE NET	13-Jun-03	2107317	BLUEGILL	1
NETTING FYKE NET	14-Jun-03	2107330	BLUEGILL	58
NETTING FYKE NET	14-Jun-03	2107335	BLUEGILL	60
NETTING FYKE NET	14-Jun-03	2107340	BLUEGILL	73
NETTING FYKE NET	15-Jun-03	2104359	BLUEGILL	8
NETTING FYKE NET	15-Jun-03	2104360	BLUEGILL	4

NETTING	FYKE NET	15-Jun-03	2104361	BLUEGILL	2
NETTING	FYKE NET	15-Jun-03	2104362	BLUEGILL	7
NETTING	FYKE NET	15-Jun-03	2104363	BLUEGILL	1
NETTING	FYKE NET	15-Jun-03	2104364	BLUEGILL	4
NETTING	FYKE NET	15-Jun-03	2104365	BLUEGILL	10
NETTING	FYKE NET	15-Jun-03	2104366	BLUEGILL	26
NETTING	FYKE NET	15-Jun-03	2104367	BLUEGILL	17
NETTING	FYKE NET	15-Jun-03	2104368	BLUEGILL	10
NETTING	FYKE NET	15-Jun-03	2104369	BLUEGILL	4
NETTING	FYKE NET	15-Jun-03	2104370	BLUEGILL	2
NETTING	FYKE NET	15-Jun-03	2104371	BLUEGILL	1
NETTING	FYKE NET	15-Jun-03	2104372	BLUEGILL	1
NETTING	FYKE NET	15-Jun-03	2104425	BLUEGILL	77
NETTING	FYKE NET	15-Jun-03	2107363	BLUEGILL	100
NETTING	FYKE NET	15-Jun-03	2107368	BLUEGILL	96
NETTING	FYKE NET	15-Jun-03	2107374	BLUEGILL	180
NETTING	MINI FYKE NET	15-Jul-03	2115216	BLUEGILL	2
NETTING	MINI FYKE NET	15-Jul-03	2115217	BLUEGILL	1
NETTING	MINI FYKE NET	15-Jul-03	2115218	BLUEGILL	2
NETTING	MINI FYKE NET	15-Jul-03	2115219	BLUEGILL	4
NETTING	MINI FYKE NET	15-Jul-03	2115220	BLUEGILL	2
NETTING	MINI FYKE NET	15-Jul-03	2115221	BLUEGILL	4
NETTING	MINI FYKE NET	15-Jul-03	2115222	BLUEGILL	7
NETTING	MINI FYKE NET	15-Jul-03	2115223	BLUEGILL	4
NETTING	MINI FYKE NET	15-Jul-03	2115224	BLUEGILL	10
NETTING	MINI FYKE NET	15-Jul-03	2115225	BLUEGILL	2
NETTING	MINI FYKE NET	15-Jul-03	2115226	BLUEGILL	3
NETTING	MINI FYKE NET	15-Jul-03	2115227	BLUEGILL	1
NETTING	MINI FYKE NET	15-Jul-03	2115228	BLUEGILL	1
NETTING	MINI FYKE NET	15-Jul-03	2115229	BLUEGILL	1
NETTING	MINI FYKE NET	15-Jul-03	2115230	BLUEGILL	1
NETTING	MINI FYKE NET	15-Jul-03	2115231	BLUEGILL	1
NETTING	MINI FYKE NET	15-Jul-03	2115235	BLUEGILL	3
NETTING	MINI FYKE NET	15-Jul-03	2115236	BLUEGILL	1
NETTING	MINI FYKE NET	15-Jul-03	2115239	BLUEGILL	3
NETTING	MINI FYKE NET	15-Jul-03	2115240	BLUEGILL	1
NETTING	MINI FYKE NET	15-Jul-03	2115247	BLUEGILL	1
NETTING	MINI FYKE NET	15-Jul-03	2115248	BLUEGILL	8
NETTING	MINI FYKE NET	15-Jul-03	2115249	BLUEGILL	3
NETTING	MINI FYKE NET	15-Jul-03	2115250	BLUEGILL	1
NETTING	MINI FYKE NET	15-Jul-03	2115251	BLUEGILL	1
NETTING	MINI FYKE NET	15-Jul-03	2115252	BLUEGILL	1
NETTING	MINI FYKE NET	15-Jul-03	2115253	BLUEGILL	2
NETTING	MINI FYKE NET	15-Jul-03	2115254	BLUEGILL	2
NETTING	MINI FYKE NET	15-Jul-03	2115255	BLUEGILL	1
NETTING	MINI FYKE NET	15-Jul-03	2115261	BLUEGILL	6
NETTING	MINI FYKE NET	15-Jul-03	2115262	BLUEGILL	8
NETTING	MINI FYKE NET	15-Jul-03	2115263	BLUEGILL	4
NETTING	MINI FYKE NET	15-Jul-03	2115264	BLUEGILL	6
NETTING	MINI FYKE NET	15-Jul-03	2115265	BLUEGILL	10
NETTING	MINI FYKE NET	15-Jul-03	2115266	BLUEGILL	16
NETTING	MINI FYKE NET	15-Jul-03	2115267	BLUEGILL	19
NETTING	MINI FYKE NET	15-Jul-03	2115268	BLUEGILL	6
NETTING	MINI FYKE NET	15-Jul-03	2115269	BLUEGILL	7
NETTING	MINI FYKE NET	15-Jul-03	2115270	BLUEGILL	1
NETTING	MINI FYKE NET	16-Jul-03	2115287	BLUEGILL	9
NETTING	MINI FYKE NET	16-Jul-03	2115288	BLUEGILL	5
NETTING	MINI FYKE NET	16-Jul-03	2115289	BLUEGILL	138
NETTING	MINI FYKE NET	16-Jul-03	2115290	BLUEGILL	9
NETTING	MINI FYKE NET	16-Jul-03	2115291	BLUEGILL	6
NETTING	MINI FYKE NET	16-Jul-03	2115292	BLUEGILL	15



NETTING	MINI FYKE NET	16-Jul-03	2115293	BLUEGILL	7
NETTING	MINI FYKE NET	16-Jul-03	2115294	BLUEGILL	6
NETTING	MINI FYKE NET	16-Jul-03	2115295	BLUEGILL	11
NETTING	MINI FYKE NET	16-Jul-03	2115296	BLUEGILL	21
ELECTROFI!	BOOM SHOCKEI	1-Oct-03	2149507	BLUEGILL	2
ELECTROFI!	BOOM SHOCKEI	1-Oct-03	2149508	BLUEGILL	3
ELECTROFI!	BOOM SHOCKEI	1-Oct-03	2149509	BLUEGILL	9
ELECTROFI!	BOOM SHOCKEI	1-Oct-03	2149510	BLUEGILL	5
ELECTROFI!	BOOM SHOCKEI	1-Oct-03	2149511	BLUEGILL	5
ELECTROFI!	BOOM SHOCKEI	1-Oct-03	2149512	BLUEGILL	1
ELECTROFI!	BOOM SHOCKEI	1-Oct-03	2149565	BLUEGILL	1
ELECTROFI!	BOOM SHOCKEI	1-Oct-03	2149566	BLUEGILL	3
ELECTROFI!	BOOM SHOCKEI	1-Oct-03	2149567	BLUEGILL	4
ELECTROFI!	BOOM SHOCKEI	1-Oct-03	2149568	BLUEGILL	5
ELECTROFI!	BOOM SHOCKEI	1-Oct-03	2149569	BLUEGILL	8
ELECTROFI!	BOOM SHOCKEI	1-Oct-03	2149570	BLUEGILL	4
ELECTROFI!	BOOM SHOCKEI	1-Oct-03	2149571	BLUEGILL	3
NETTING	FYKE NET	8-Apr-05	4002729	BLUEGILL	1
NETTING	FYKE NET	10-Apr-05	4002777	BLUEGILL	2
NETTING	FYKE NET	10-Apr-05	4002778	BLUEGILL	1
NETTING	FYKE NET	10-Apr-05	4002779	BLUEGILL	1
NETTING	FYKE NET	10-Apr-05	4002786	BLUEGILL	1
NETTING	FYKE NET	11-Apr-05	4002768	BLUEGILL	2
OTHER	HOOK AND LINE	11-May-05	2740661	BLUEGILL	4
OTHER	HOOK AND LINE	11-May-05	2740662	BLUEGILL	1
OTHER	HOOK AND LINE	11-May-05	2740663	BLUEGILL	5
OTHER	HOOK AND LINE	11-May-05	2740664	BLUEGILL	7
OTHER	HOOK AND LINE	11-May-05	2740665	BLUEGILL	6
OTHER	HOOK AND LINE	11-May-05	2740666	BLUEGILL	13
OTHER	HOOK AND LINE	11-May-05	2740667	BLUEGILL	15
OTHER	HOOK AND LINE	11-May-05	2740668	BLUEGILL	21
OTHER	HOOK AND LINE	11-May-05	2740669	BLUEGILL	2
OTHER	HOOK AND LINE	11-May-05	2740670	BLUEGILL	3
OTHER	HOOK AND LINE	11-May-05	2740671	BLUEGILL	1
ELECTROFI!	BOOM SHOCKEI	4-Oct-07	6057447	BLUEGILL	2
ELECTROFI!	BOOM SHOCKEI	4-Oct-07	6057448	BLUEGILL	14
ELECTROFI!	BOOM SHOCKEI	4-Oct-07	6057449	BLUEGILL	4
ELECTROFI!	BOOM SHOCKEI	4-Oct-07	6057450	BLUEGILL	17
ELECTROFI!	BOOM SHOCKEI	4-Oct-07	6057451	BLUEGILL	24
ELECTROFI!	BOOM SHOCKEI	4-Oct-07	6057452	BLUEGILL	11
ELECTROFI!	BOOM SHOCKEI	4-Oct-07	6057453	BLUEGILL	1
ELECTROFI!	BOOM SHOCKEI	4-Oct-07	6057454	BLUEGILL	5
ELECTROFI!	BOOM SHOCKEI	4-Oct-07	6057455	BLUEGILL	15
ELECTROFI!	BOOM SHOCKEI	4-Oct-07	6057456	BLUEGILL	11
ELECTROFI!	BOOM SHOCKEI	4-Oct-07	6057457	BLUEGILL	11
ELECTROFI!	BOOM SHOCKEI	4-Oct-07	6057458	BLUEGILL	5
ELECTROFI!	BOOM SHOCKEI	4-Oct-07	6057459	BLUEGILL	1
ELECTROFI!	BOOM SHOCKEI	4-Oct-07	6057573	BLUEGILL	2
ELECTROFI!	BOOM SHOCKEI	4-Oct-07	6057574	BLUEGILL	6
ELECTROFI!	BOOM SHOCKEI	4-Oct-07	6057575	BLUEGILL	10
ELECTROFI!	BOOM SHOCKEI	4-Oct-07	6057576	BLUEGILL	5
ELECTROFI!	BOOM SHOCKEI	4-Oct-07	6057577	BLUEGILL	4
ELECTROFI!	BOOM SHOCKEI	4-Oct-07	6057578	BLUEGILL	3
ELECTROFI!	BOOM SHOCKEI	4-Oct-07	6057579	BLUEGILL	2
ELECTROFI!	BOOM SHOCKEI	4-Oct-07	6057580	BLUEGILL	2
ELECTROFI!	BOOM SHOCKEI	4-Oct-07	6057581	BLUEGILL	5
ELECTROFI!	BOOM SHOCKEI	4-Oct-07	6057582	BLUEGILL	5
ELECTROFI!	BOOM SHOCKEI	4-Oct-07	6057583	BLUEGILL	1
ELECTROFI!	BOOM SHOCKEI	9-Jun-08	6783239	BLUEGILL	10
ELECTROFI!	BOOM SHOCKEI	9-Jun-08	6783256	BLUEGILL	2
ELECTROFI!	BOOM SHOCKEI	9-Jun-08	6783257	BLUEGILL	1



ELECTROFI: BOOM SHOCKE	9-Jun-08	6783596	BLUEGILL	3
ELECTROFI: BOOM SHOCKE	9-Jun-08	6783597	BLUEGILL	1
ELECTROFI: BOOM SHOCKE	9-Jun-08	6783598	BLUEGILL	2
ELECTROFI: BOOM SHOCKE	9-Jun-08	6783599	BLUEGILL	3
ELECTROFI: BOOM SHOCKE	9-Jun-08	6783600	BLUEGILL	1
ELECTROFI: BOOM SHOCKE	9-Jun-08	6783601	BLUEGILL	4
ELECTROFI: BOOM SHOCKE	9-Jun-08	6783602	BLUEGILL	1
ELECTROFI: BOOM SHOCKE	9-Jun-08	6783603	BLUEGILL	3
ELECTROFI: BOOM SHOCKE	9-Jun-08	6783604	BLUEGILL	1
ELECTROFI: BOOM SHOCKE	9-Jun-08	6783605	BLUEGILL	1
ELECTROFI: BOOM SHOCKE	9-Jun-08	6783606	BLUEGILL	2
NETTING FYKE NET	23-Apr-14	10379730	BLUEGILL	7
NETTING FYKE NET	23-Apr-14	10379742	BLUEGILL	7
NETTING FYKE NET	23-Apr-14	10379745	BLUEGILL	1
NETTING FYKE NET	23-Apr-14	10379751	BLUEGILL	11
NETTING FYKE NET	23-Apr-14	10379757	BLUEGILL	7
NETTING FYKE NET	23-Apr-14	10379761	BLUEGILL	2
NETTING FYKE NET	23-Apr-14	10379763	BLUEGILL	4
NETTING FYKE NET	23-Apr-14	10379766	BLUEGILL	1
NETTING FYKE NET	23-Apr-14	10379769	BLUEGILL	1
NETTING FYKE NET	23-Apr-14	10379770	BLUEGILL	2
NETTING FYKE NET	23-Apr-14	10379773	BLUEGILL	2
NETTING FYKE NET	23-Apr-14	10379774	BLUEGILL	2
NETTING FYKE NET	23-Apr-14	10379778	BLUEGILL	11
NETTING FYKE NET	23-Apr-14	10379821	BLUEGILL	232
NETTING FYKE NET	23-Apr-14	10379829	BLUEGILL	52
NETTING FYKE NET	23-Apr-14	10379846	BLUEGILL	21
NETTING FYKE NET	23-Apr-14	10379864	BLUEGILL	53
NETTING FYKE NET	24-Apr-14	10379867	BLUEGILL	1
NETTING FYKE NET	24-Apr-14	10379868	BLUEGILL	1
NETTING FYKE NET	24-Apr-14	10379869	BLUEGILL	1
NETTING FYKE NET	24-Apr-14	10379870	BLUEGILL	1
NETTING FYKE NET	24-Apr-14	10379871	BLUEGILL	1
NETTING FYKE NET	24-Apr-14	10379872	BLUEGILL	1
NETTING FYKE NET	24-Apr-14	10379934	BLUEGILL	122
NETTING FYKE NET	24-Apr-14	10379942	BLUEGILL	18
NETTING FYKE NET	24-Apr-14	10379952	BLUEGILL	25
NETTING FYKE NET	24-Apr-14	10379964	BLUEGILL	5
NETTING FYKE NET	24-Apr-14	10379980	BLUEGILL	2
NETTING FYKE NET	24-Apr-14	10379982	BLUEGILL	1
NETTING FYKE NET	24-Apr-14	10379983	BLUEGILL	1
NETTING FYKE NET	24-Apr-14	10379984	BLUEGILL	1
NETTING FYKE NET	24-Apr-14	10379985	BLUEGILL	1
NETTING FYKE NET	24-Apr-14	10379986	BLUEGILL	1
NETTING FYKE NET	24-Apr-14	10379987	BLUEGILL	1
NETTING FYKE NET	24-Apr-14	10379988	BLUEGILL	1
NETTING FYKE NET	24-Apr-14	10379989	BLUEGILL	1
NETTING FYKE NET	24-Apr-14	10379990	BLUEGILL	1
NETTING FYKE NET	24-Apr-14	10379991	BLUEGILL	1
NETTING FYKE NET	24-Apr-14	10379992	BLUEGILL	1
NETTING FYKE NET	24-Apr-14	10379993	BLUEGILL	1
NETTING FYKE NET	24-Apr-14	10379994	BLUEGILL	1
NETTING FYKE NET	24-Apr-14	10379995	BLUEGILL	1
NETTING FYKE NET	24-Apr-14	10379996	BLUEGILL	1
NETTING FYKE NET	24-Apr-14	10379997	BLUEGILL	1
NETTING FYKE NET	24-Apr-14	10379998	BLUEGILL	1
NETTING FYKE NET	24-Apr-14	10379999	BLUEGILL	1
NETTING FYKE NET	24-Apr-14	10380000	BLUEGILL	1
NETTING FYKE NET	24-Apr-14	10380001	BLUEGILL	1
NETTING FYKE NET	24-Apr-14	10380002	BLUEGILL	1
NETTING FYKE NET	24-Apr-14	10380003	BLUEGILL	1



NETTING	FYKE NET	24-Apr-14	10380115 BLUEGILL	1
NETTING	FYKE NET	24-Apr-14	10380116 BLUEGILL	1
NETTING	FYKE NET	24-Apr-14	10380117 BLUEGILL	1
NETTING	FYKE NET	24-Apr-14	10380158 BLUEGILL	68
NETTING	FYKE NET	24-Apr-14	10380160 BLUEGILL	1
NETTING	FYKE NET	24-Apr-14	10380161 BLUEGILL	1
NETTING	FYKE NET	24-Apr-14	10380162 BLUEGILL	1
NETTING	FYKE NET	24-Apr-14	10380163 BLUEGILL	1
NETTING	FYKE NET	24-Apr-14	10380164 BLUEGILL	1
NETTING	FYKE NET	25-Apr-14	10380168 BLUEGILL	1
NETTING	FYKE NET	25-Apr-14	10380172 BLUEGILL	1
NETTING	FYKE NET	25-Apr-14	10380198 BLUEGILL	9
NETTING	FYKE NET	25-Apr-14	10380205 BLUEGILL	2
NETTING	FYKE NET	25-Apr-14	10380213 BLUEGILL	48
NETTING	FYKE NET	25-Apr-14	10380218 BLUEGILL	38
NETTING	FYKE NET	25-Apr-14	10380233 BLUEGILL	34
NETTING	FYKE NET	25-Apr-14	10380253 BLUEGILL	18
NETTING	FYKE NET	25-Apr-14	10380265 BLUEGILL	20
NETTING	FYKE NET	25-Apr-14	10380267 BLUEGILL	80
NETTING	FYKE NET	25-Apr-14	10380269 BLUEGILL	8
NETTING	FYKE NET	25-Apr-14	10380272 BLUEGILL	11
NETTING	FYKE NET	25-Apr-14	10380284 BLUEGILL	34
NETTING	FYKE NET	25-Apr-14	10380300 BLUEGILL	49
NETTING	FYKE NET	26-Apr-14	10380302 BLUEGILL	1
NETTING	FYKE NET	26-Apr-14	10380326 BLUEGILL	25
NETTING	FYKE NET	26-Apr-14	10380332 BLUEGILL	6
NETTING	FYKE NET	26-Apr-14	10380357 BLUEGILL	58
NETTING	FYKE NET	26-Apr-14	10380378 BLUEGILL	40
NETTING	FYKE NET	26-Apr-14	10380398 BLUEGILL	29
NETTING	FYKE NET	26-Apr-14	10380404 BLUEGILL	9
NETTING	FYKE NET	26-Apr-14	10380420 BLUEGILL	109
NETTING	FYKE NET	26-Apr-14	10380421 BLUEGILL	40
NETTING	FYKE NET	26-Apr-14	10380424 BLUEGILL	20
NETTING	FYKE NET	26-Apr-14	10380431 BLUEGILL	29
NETTING	FYKE NET	26-Apr-14	10380433 BLUEGILL	7
NETTING	FYKE NET	26-Apr-14	10380438 BLUEGILL	9
NETTING	MINI FYKE NET	20-Jun-18	12626971 BLUEGILL	1
NETTING	MINI FYKE NET	20-Jun-18	12626972 BLUEGILL	1
NETTING	MINI FYKE NET	20-Jun-18	12626973 BLUEGILL	1
NETTING	MINI FYKE NET	20-Jun-18	12626974 BLUEGILL	1
NETTING	MINI FYKE NET	20-Jun-18	12626975 BLUEGILL	1
NETTING	MINI FYKE NET	20-Jun-18	12626976 BLUEGILL	1
NETTING	MINI FYKE NET	20-Jun-18	12626977 BLUEGILL	1
NETTING	MINI FYKE NET	20-Jun-18	12626978 BLUEGILL	1
NETTING	MINI FYKE NET	20-Jun-18	12626979 BLUEGILL	1
NETTING	MINI FYKE NET	20-Jun-18	12626980 BLUEGILL	1
NETTING	MINI FYKE NET	20-Jun-18	12626981 BLUEGILL	1
NETTING	MINI FYKE NET	20-Jun-18	12626982 BLUEGILL	1
NETTING	MINI FYKE NET	20-Jun-18	12626983 BLUEGILL	1
NETTING	MINI FYKE NET	20-Jun-18	12626984 BLUEGILL	1
NETTING	MINI FYKE NET	20-Jun-18	12626985 BLUEGILL	1
NETTING	MINI FYKE NET	20-Jun-18	12626986 BLUEGILL	1
NETTING	MINI FYKE NET	20-Jun-18	12626987 BLUEGILL	1
NETTING	MINI FYKE NET	20-Jun-18	12626988 BLUEGILL	1
NETTING	MINI FYKE NET	20-Jun-18	12626989 BLUEGILL	1
NETTING	MINI FYKE NET	20-Jun-18	12626990 BLUEGILL	1
NETTING	MINI FYKE NET	20-Jun-18	12626991 BLUEGILL	1
NETTING	MINI FYKE NET	20-Jun-18	12626992 BLUEGILL	1
NETTING	MINI FYKE NET	20-Jun-18	12626993 BLUEGILL	1
NETTING	MINI FYKE NET	20-Jun-18	12626994 BLUEGILL	1
NETTING	MINI FYKE NET	20-Jun-18	12626995 BLUEGILL	1

NETTING	MINI FYKE NET	20-Jun-18	12626996	BLUEGILL	1		
NETTING	MINI FYKE NET	20-Jun-18	12626997	BLUEGILL	1		
NETTING	MINI FYKE NET	20-Jun-18	12626998	BLUEGILL	1		
NETTING	MINI FYKE NET	20-Jun-18	12626999	BLUEGILL	1		
NETTING	MINI FYKE NET	20-Jun-18	12627000	BLUEGILL	1	3499	40.49%
NETTING	FYKE NET	8-Apr-05	4002669	BROOK TROUT	1		
NETTING	FYKE NET	9-Apr-05	4002734	BROOK TROUT	1		
NETTING	FYKE NET	11-Apr-05	4002765	BROOK TROUT	1	3	0.03%
ELECTROFI!	BOOM SHOCKEI	27-Oct-65	8223487	BROWN BULLHEAD	1		
ELECTROFI!	BOOM SHOCKEI	27-Oct-65	8223488	BROWN BULLHEAD	1		
ELECTROFI!	BOOM SHOCKEI	27-Oct-65	8223489	BROWN BULLHEAD	1		
ELECTROFI!	BOOM SHOCKEI	27-Oct-65	8223490	BROWN BULLHEAD	1		
ELECTROFI!	BOOM SHOCKEI	27-Oct-65	8223491	BROWN BULLHEAD	1		
NETTING	FYKE NET	9-Jun-03	2107253	BROWN BULLHEAD	2		
NETTING	FYKE NET	9-Jun-03	2107254	BROWN BULLHEAD	2		
NETTING	FYKE NET	10-Jun-03	2107282	BROWN BULLHEAD	2		
NETTING	FYKE NET	13-Jun-03	2107293	BROWN BULLHEAD	1		
NETTING	FYKE NET	13-Jun-03	2107324	BROWN BULLHEAD	1	13	0.15%
ELECTROFI!	BOOM SHOCKEI	27-Oct-65	8226340	BROWN TROUT	1		
NETTING	FYKE NET	25-Apr-14	10380235	BROWN TROUT	1	2	0.02%
NETTING	FYKE NET	25-Apr-08	6774664	BURBOT	1	1	0.01%
ELECTROFI!	BOOM SHOCKEI	1-Oct-03	2149532	CENTRAL MUDMINNOW	4		
ELECTROFI!	BOOM SHOCKEI	1-Oct-03	2149592	CENTRAL MUDMINNOW	2		
NETTING	FYKE NET	8-Apr-05	4002723	CENTRAL MUDMINNOW	1		
ELECTROFI!	BOOM SHOCKEI	9-Jun-08	6783347	CENTRAL MUDMINNOW	1		
ELECTROFI!	BOOM SHOCKEI	9-Jun-08	6783349	CENTRAL MUDMINNOW	1		
ELECTROFI!	BOOM SHOCKEI	9-Jun-08	6783350	CENTRAL MUDMINNOW	1		
ELECTROFI!	BOOM SHOCKEI	9-Jun-08	6783351	CENTRAL MUDMINNOW	1		
ELECTROFI!	BOOM SHOCKEI	9-Jun-08	6783352	CENTRAL MUDMINNOW	2		
ELECTROFI!	BOOM SHOCKEI	9-Jun-08	6783353	CENTRAL MUDMINNOW	1		
ELECTROFI!	BOOM SHOCKEI	9-Jun-08	6783354	CENTRAL MUDMINNOW	1		
ELECTROFI!	BOOM SHOCKEI	9-Jun-08	6783355	CENTRAL MUDMINNOW	1	16	0.19%
ELECTROFI!	BOOM SHOCKEI	4-Oct-07	6057498	CHESNUT LAMPREY (AMMOCOETE)	1		
NETTING	FYKE NET	24-Apr-08	6774509	CHESTNUT LAMPREY	2	3	0.03%
ELECTROFI!	BOOM SHOCKEI	1-Oct-03	2149528	COMMON SHINER	5		
ELECTROFI!	BOOM SHOCKEI	1-Oct-03	2149529	COMMON SHINER	6		
ELECTROFI!	BOOM SHOCKEI	1-Oct-03	2149530	COMMON SHINER	1		
ELECTROFI!	BOOM SHOCKEI	1-Oct-03	2149531	COMMON SHINER	1		
ELECTROFI!	BOOM SHOCKEI	1-Oct-03	2149580	COMMON SHINER	3		
ELECTROFI!	BOOM SHOCKEI	1-Oct-03	2149581	COMMON SHINER	3		
ELECTROFI!	BOOM SHOCKEI	1-Oct-03	2149582	COMMON SHINER	1		
NETTING	FYKE NET	11-Apr-05	4002767	COMMON SHINER	2	22	0.25%
ELECTROFI!	BOOM SHOCKEI	27-Oct-65	8223492	CRAPPIES	1		
ELECTROFI!	BOOM SHOCKEI	27-Oct-65	8223493	CRAPPIES	1		
ELECTROFI!	BOOM SHOCKEI	27-Oct-65	8223494	CRAPPIES	1		
ELECTROFI!	BOOM SHOCKEI	27-Oct-65	8223495	CRAPPIES	1	4	0.05%
NETTING	FYKE NET	9-Jun-03	2107242	GOLDEN SHINER	1		
NETTING	FYKE NET	14-Jun-03	2107334	GOLDEN SHINER	7		
NETTING	FYKE NET	15-Jun-03	2107367	GOLDEN SHINER	2		
NETTING	FYKE NET	10-Apr-05	4002784	GOLDEN SHINER	1		
NETTING	FYKE NET	11-Apr-05	4002774	GOLDEN SHINER	1		
ELECTROFI!	BOOM SHOCKEI	9-Jun-08	6783685	GOLDEN SHINER	1		
ELECTROFI!	BOOM SHOCKEI	9-Jun-08	6783686	GOLDEN SHINER	1	14	0.16%
ELECTROFI!	BOOM SHOCKEI	9-Jun-08	6783678	GREATER REDHORSE	1		
ELECTROFI!	BOOM SHOCKEI	9-Jun-08	6783679	GREATER REDHORSE	1	2	0.02%
ELECTROFI!	BOOM SHOCKEI	3-Oct-01	2068909	LARGEMOUTH BASS	1		
ELECTROFI!	BOOM SHOCKEI	3-Oct-01	2068910	LARGEMOUTH BASS	1		
ELECTROFI!	BOOM SHOCKEI	3-Oct-01	2068911	LARGEMOUTH BASS	1		
ELECTROFI!	BOOM SHOCKEI	3-Oct-01	2068912	LARGEMOUTH BASS	2		
ELECTROFI!	BOOM SHOCKEI	3-Oct-01	2068913	LARGEMOUTH BASS	2		
ELECTROFI!	BOOM SHOCKEI	3-Oct-01	2068914	LARGEMOUTH BASS	1		

ELECTROFI! BOOM SHOCKE	3-Oct-01	2068915	LARGEMOUTH BASS	2
ELECTROFI! BOOM SHOCKE	3-Oct-01	2068916	LARGEMOUTH BASS	1
ELECTROFI! BOOM SHOCKE	3-Oct-01	2068917	LARGEMOUTH BASS	1
ELECTROFI! BOOM SHOCKE	3-Oct-01	2068918	LARGEMOUTH BASS	1
ELECTROFI! BOOM SHOCKE	3-Oct-01	2068919	LARGEMOUTH BASS	1
ELECTROFI! BOOM SHOCKE	3-Oct-01	2068920	LARGEMOUTH BASS	1
ELECTROFI! BOOM SHOCKE	3-Oct-01	2068921	LARGEMOUTH BASS	1
ELECTROFI! BOOM SHOCKE	3-Oct-01	2068922	LARGEMOUTH BASS	1
ELECTROFI! BOOM SHOCKE	3-Oct-01	2068923	LARGEMOUTH BASS	2
ELECTROFI! BOOM SHOCKE	3-Oct-01	2068924	LARGEMOUTH BASS	1
ELECTROFI! BOOM SHOCKE	3-Oct-01	2068925	LARGEMOUTH BASS	1
ELECTROFI! BOOM SHOCKE	3-Oct-01	2068926	LARGEMOUTH BASS	1
ELECTROFI! BOOM SHOCKE	26-Sep-02	13422156	LARGEMOUTH BASS	16
ELECTROFI! BOOM SHOCKE	4-Oct-02	2068987	LARGEMOUTH BASS	1
ELECTROFI! BOOM SHOCKE	4-Oct-02	2068988	LARGEMOUTH BASS	1
ELECTROFI! BOOM SHOCKE	4-Oct-02	2068989	LARGEMOUTH BASS	1
ELECTROFI! BOOM SHOCKE	4-Oct-02	2068990	LARGEMOUTH BASS	1
ELECTROFI! BOOM SHOCKE	4-Oct-02	2068991	LARGEMOUTH BASS	1
ELECTROFI! BOOM SHOCKE	4-Oct-02	2068992	LARGEMOUTH BASS	2
ELECTROFI! BOOM SHOCKE	4-Oct-02	2068993	LARGEMOUTH BASS	2
ELECTROFI! BOOM SHOCKE	4-Oct-02	2068994	LARGEMOUTH BASS	1
ELECTROFI! BOOM SHOCKE	4-Oct-02	2068995	LARGEMOUTH BASS	2
ELECTROFI! BOOM SHOCKE	4-Oct-02	2068996	LARGEMOUTH BASS	1
ELECTROFI! BOOM SHOCKE	4-Oct-02	2068997	LARGEMOUTH BASS	1
ELECTROFI! BOOM SHOCKE	4-Oct-02	2068998	LARGEMOUTH BASS	1
ELECTROFI! BOOM SHOCKE	4-Oct-02	2068999	LARGEMOUTH BASS	1
ELECTROFI! BOOM SHOCKE	4-Oct-02	2069000	LARGEMOUTH BASS	1
ELECTROFI! BOOM SHOCKE	4-Oct-02	2069001	LARGEMOUTH BASS	1
NETTING FYKE NET	8-Jun-03	2107207	LARGEMOUTH BASS	1
NETTING FYKE NET	8-Jun-03	2107234	LARGEMOUTH BASS	1
NETTING FYKE NET	15-Jun-03	2104434	LARGEMOUTH BASS	1
NETTING FYKE NET	15-Jun-03	2104435	LARGEMOUTH BASS	1
NETTING FYKE NET	15-Jun-03	2104436	LARGEMOUTH BASS	1
NETTING FYKE NET	15-Jun-03	2104437	LARGEMOUTH BASS	1
NETTING FYKE NET	15-Jun-03	2107380	LARGEMOUTH BASS	3
NETTING FYKE NET	15-Jun-03	2107381	LARGEMOUTH BASS	3
NETTING FYKE NET	15-Jun-03	2107382	LARGEMOUTH BASS	3
NETTING MINI FYKE NET	15-Jul-03	2115232	LARGEMOUTH BASS	1
NETTING MINI FYKE NET	15-Jul-03	2115237	LARGEMOUTH BASS	2
NETTING MINI FYKE NET	15-Jul-03	2115238	LARGEMOUTH BASS	2
NETTING MINI FYKE NET	15-Jul-03	2115241	LARGEMOUTH BASS	1
NETTING MINI FYKE NET	15-Jul-03	2115242	LARGEMOUTH BASS	3
NETTING MINI FYKE NET	15-Jul-03	2115243	LARGEMOUTH BASS	3
NETTING MINI FYKE NET	15-Jul-03	2115244	LARGEMOUTH BASS	1
NETTING MINI FYKE NET	15-Jul-03	2115245	LARGEMOUTH BASS	2
NETTING MINI FYKE NET	15-Jul-03	2115246	LARGEMOUTH BASS	3
NETTING MINI FYKE NET	15-Jul-03	2115257	LARGEMOUTH BASS	2
NETTING MINI FYKE NET	15-Jul-03	2115258	LARGEMOUTH BASS	6
NETTING MINI FYKE NET	15-Jul-03	2115259	LARGEMOUTH BASS	2
NETTING MINI FYKE NET	15-Jul-03	2115260	LARGEMOUTH BASS	2
NETTING MINI FYKE NET	15-Jul-03	2115279	LARGEMOUTH BASS	1
NETTING MINI FYKE NET	15-Jul-03	2115280	LARGEMOUTH BASS	2
NETTING MINI FYKE NET	16-Jul-03	2115309	LARGEMOUTH BASS	34
NETTING MINI FYKE NET	16-Jul-03	2115310	LARGEMOUTH BASS	2
NETTING MINI FYKE NET	16-Jul-03	2115311	LARGEMOUTH BASS	1
NETTING MINI FYKE NET	16-Jul-03	2115312	LARGEMOUTH BASS	7
NETTING MINI FYKE NET	16-Jul-03	2115313	LARGEMOUTH BASS	1
ELECTROFI! BOOM SHOCKE	1-Oct-03	2149337	LARGEMOUTH BASS	1
ELECTROFI! BOOM SHOCKE	1-Oct-03	2149474	LARGEMOUTH BASS	2
ELECTROFI! BOOM SHOCKE	1-Oct-03	2149475	LARGEMOUTH BASS	1
ELECTROFI! BOOM SHOCKE	1-Oct-03	2149476	LARGEMOUTH BASS	1

ELECTROFI: BOOM SHOCKE	1-Oct-03	2149477	LARGEMOUTH BASS	1
ELECTROFI: BOOM SHOCKE	1-Oct-03	2149478	LARGEMOUTH BASS	1
ELECTROFI: BOOM SHOCKE	6-Oct-04	2724733	LARGEMOUTH BASS	1
ELECTROFI: BOOM SHOCKE	6-Oct-04	2724734	LARGEMOUTH BASS	1
ELECTROFI: BOOM SHOCKE	6-Oct-04	2724735	LARGEMOUTH BASS	1
ELECTROFI: BOOM SHOCKE	6-Oct-04	2724736	LARGEMOUTH BASS	1
ELECTROFI: BOOM SHOCKE	6-Oct-04	2724737	LARGEMOUTH BASS	1
ELECTROFI: BOOM SHOCKE	6-Oct-04	2724738	LARGEMOUTH BASS	1
ELECTROFI: BOOM SHOCKE	6-Oct-04	2724739	LARGEMOUTH BASS	1
ELECTROFI: BOOM SHOCKE	6-Oct-04	2724740	LARGEMOUTH BASS	2
ELECTROFI: BOOM SHOCKE	6-Oct-04	2724741	LARGEMOUTH BASS	2
ELECTROFI: BOOM SHOCKE	6-Oct-04	2724742	LARGEMOUTH BASS	2
ELECTROFI: BOOM SHOCKE	6-Oct-04	2724743	LARGEMOUTH BASS	2
ELECTROFI: BOOM SHOCKE	6-Oct-04	2724744	LARGEMOUTH BASS	2
ELECTROFI: BOOM SHOCKE	6-Oct-04	2724745	LARGEMOUTH BASS	4
ELECTROFI: BOOM SHOCKE	6-Oct-04	2724746	LARGEMOUTH BASS	1
ELECTROFI: BOOM SHOCKE	6-Oct-04	2724747	LARGEMOUTH BASS	1
NETTING FYKE NET	9-Apr-05	4002731	LARGEMOUTH BASS	1
ELECTROFI: BOOM SHOCKE	27-Apr-05	2740552	LARGEMOUTH BASS	1
ELECTROFI: BOOM SHOCKE	27-Apr-05	2740553	LARGEMOUTH BASS	3
ELECTROFI: BOOM SHOCKE	27-Apr-05	2740554	LARGEMOUTH BASS	1
ELECTROFI: BOOM SHOCKE	27-Apr-05	2740555	LARGEMOUTH BASS	1
ELECTROFI: BOOM SHOCKE	27-Apr-05	2740556	LARGEMOUTH BASS	1
OTHER HOOK AND LINE	11-May-05	2740680	LARGEMOUTH BASS	1
ELECTROFI: BOOM SHOCKE	25-Sep-06	3868311	LARGEMOUTH BASS	2
ELECTROFI: BOOM SHOCKE	25-Sep-06	3868312	LARGEMOUTH BASS	12
ELECTROFI: BOOM SHOCKE	25-Sep-06	3868313	LARGEMOUTH BASS	2
ELECTROFI: BOOM SHOCKE	25-Sep-06	3868314	LARGEMOUTH BASS	1
ELECTROFI: BOOM SHOCKE	25-Sep-06	3868315	LARGEMOUTH BASS	1
ELECTROFI: BOOM SHOCKE	25-Sep-06	3868316	LARGEMOUTH BASS	6
ELECTROFI: BOOM SHOCKE	25-Sep-06	3868317	LARGEMOUTH BASS	1
ELECTROFI: BOOM SHOCKE	25-Sep-06	3868318	LARGEMOUTH BASS	1
ELECTROFI: BOOM SHOCKE	25-Sep-06	3868319	LARGEMOUTH BASS	1
ELECTROFI: BOOM SHOCKE	25-Sep-06	3868320	LARGEMOUTH BASS	3
ELECTROFI: BOOM SHOCKE	25-Sep-06	3868321	LARGEMOUTH BASS	1
ELECTROFI: BOOM SHOCKE	25-Sep-06	3868322	LARGEMOUTH BASS	3
ELECTROFI: BOOM SHOCKE	25-Sep-06	3868323	LARGEMOUTH BASS	1
ELECTROFI: BOOM SHOCKE	25-Sep-06	3868324	LARGEMOUTH BASS	2
ELECTROFI: BOOM SHOCKE	25-Sep-06	3868325	LARGEMOUTH BASS	1
ELECTROFI: BOOM SHOCKE	4-Oct-07	6057403	LARGEMOUTH BASS	2
ELECTROFI: BOOM SHOCKE	4-Oct-07	6057405	LARGEMOUTH BASS	3
ELECTROFI: BOOM SHOCKE	4-Oct-07	6057406	LARGEMOUTH BASS	1
ELECTROFI: BOOM SHOCKE	4-Oct-07	6057410	LARGEMOUTH BASS	2
ELECTROFI: BOOM SHOCKE	4-Oct-07	6057411	LARGEMOUTH BASS	1
ELECTROFI: BOOM SHOCKE	4-Oct-07	6057412	LARGEMOUTH BASS	1
ELECTROFI: BOOM SHOCKE	4-Oct-07	6057413	LARGEMOUTH BASS	1
ELECTROFI: BOOM SHOCKE	4-Oct-07	6057414	LARGEMOUTH BASS	1
ELECTROFI: BOOM SHOCKE	4-Oct-07	6057416	LARGEMOUTH BASS	1
ELECTROFI: BOOM SHOCKE	4-Oct-07	6057417	LARGEMOUTH BASS	1
ELECTROFI: BOOM SHOCKE	4-Oct-07	6057418	LARGEMOUTH BASS	1
ELECTROFI: BOOM SHOCKE	4-Oct-07	6057419	LARGEMOUTH BASS	5
ELECTROFI: BOOM SHOCKE	4-Oct-07	6057420	LARGEMOUTH BASS	1
ELECTROFI: BOOM SHOCKE	4-Oct-07	6057421	LARGEMOUTH BASS	1
ELECTROFI: BOOM SHOCKE	4-Oct-07	6057422	LARGEMOUTH BASS	2
ELECTROFI: BOOM SHOCKE	4-Oct-07	6057423	LARGEMOUTH BASS	1
ELECTROFI: BOOM SHOCKE	4-Oct-07	6057424	LARGEMOUTH BASS	1
ELECTROFI: BOOM SHOCKE	4-Oct-07	6057425	LARGEMOUTH BASS	1
ELECTROFI: BOOM SHOCKE	4-Oct-07	6057426	LARGEMOUTH BASS	2
ELECTROFI: BOOM SHOCKE	4-Oct-07	6057427	LARGEMOUTH BASS	1
ELECTROFI: BOOM SHOCKE	4-Oct-07	6057556	LARGEMOUTH BASS	1
ELECTROFI: BOOM SHOCKE	4-Oct-07	6057557	LARGEMOUTH BASS	1





NETTING	FYKE NET	24-Apr-14	10379930	LARGEMOUTH BASS	1		
NETTING	FYKE NET	24-Apr-14	10379940	LARGEMOUTH BASS	1		
NETTING	FYKE NET	24-Apr-14	10379979	LARGEMOUTH BASS	1		
NETTING	FYKE NET	26-Apr-14	10380329	LARGEMOUTH BASS	1		
NETTING	FYKE NET	26-Apr-14	10380336	LARGEMOUTH BASS	1		
NETTING	FYKE NET	26-Apr-14	10380337	LARGEMOUTH BASS	1	336	3.89%
NETTING	FYKE NET	8-Apr-05	4002720	LOGPERCH	1		
NETTING	FYKE NET	8-Apr-05	4002721	LOGPERCH	1		
NETTING	FYKE NET	8-Apr-05	4002722	LOGPERCH	1	3	0.03%
ELECTROFI!	BOOM SHOCKEI	3-Oct-01	2068952	MUSKELLUNGE	1		
ELECTROFI!	BOOM SHOCKEI	3-Oct-01	2068953	MUSKELLUNGE	1		
ELECTROFI!	BOOM SHOCKEI	3-Oct-01	2068954	MUSKELLUNGE	1		
ELECTROFI!	BOOM SHOCKEI	3-Oct-01	2068955	MUSKELLUNGE	1		
ELECTROFI!	BOOM SHOCKEI	3-Oct-01	2068956	MUSKELLUNGE	1		
ELECTROFI!	BOOM SHOCKEI	26-Sep-02	1998702	MUSKELLUNGE	1		
ELECTROFI!	BOOM SHOCKEI	26-Sep-02	1998703	MUSKELLUNGE	2		
ELECTROFI!	BOOM SHOCKEI	26-Sep-02	1998704	MUSKELLUNGE	1		
ELECTROFI!	BOOM SHOCKEI	26-Sep-02	1998705	MUSKELLUNGE	1		
ELECTROFI!	BOOM SHOCKEI	26-Sep-02	1998706	MUSKELLUNGE	1		
ELECTROFI!	BOOM SHOCKEI	26-Sep-02	1998707	MUSKELLUNGE	1		
ELECTROFI!	BOOM SHOCKEI	4-Oct-02	2068977	MUSKELLUNGE	1		
ELECTROFI!	BOOM SHOCKEI	4-Oct-02	2068978	MUSKELLUNGE	1		
ELECTROFI!	BOOM SHOCKEI	4-Oct-02	2068979	MUSKELLUNGE	1		
ELECTROFI!	BOOM SHOCKEI	4-Oct-02	2068980	MUSKELLUNGE	1		
ELECTROFI!	BOOM SHOCKEI	4-Oct-02	2068981	MUSKELLUNGE	1		
ELECTROFI!	BOOM SHOCKEI	4-Oct-02	2068982	MUSKELLUNGE	1		
ELECTROFI!	BOOM SHOCKEI	1-Oct-03	2149321	MUSKELLUNGE	1		
ELECTROFI!	BOOM SHOCKEI	1-Oct-03	2149322	MUSKELLUNGE	1		
ELECTROFI!	BOOM SHOCKEI	1-Oct-03	2149323	MUSKELLUNGE	1		
ELECTROFI!	BOOM SHOCKEI	1-Oct-03	2149324	MUSKELLUNGE	1		
ELECTROFI!	BOOM SHOCKEI	1-Oct-03	2149443	MUSKELLUNGE	1		
ELECTROFI!	BOOM SHOCKEI	1-Oct-03	2149444	MUSKELLUNGE	2		
ELECTROFI!	BOOM SHOCKEI	6-Oct-04	2724725	MUSKELLUNGE	1		
ELECTROFI!	BOOM SHOCKEI	6-Oct-04	2724726	MUSKELLUNGE	2		
ELECTROFI!	BOOM SHOCKEI	6-Oct-04	2724727	MUSKELLUNGE	1		
ELECTROFI!	BOOM SHOCKEI	6-Oct-04	2724728	MUSKELLUNGE	4		
ELECTROFI!	BOOM SHOCKEI	6-Oct-04	2724729	MUSKELLUNGE	1		
ELECTROFI!	BOOM SHOCKEI	6-Oct-04	2724730	MUSKELLUNGE	1		
ELECTROFI!	BOOM SHOCKEI	6-Oct-04	2724731	MUSKELLUNGE	1		
ELECTROFI!	BOOM SHOCKEI	6-Oct-04	2724732	MUSKELLUNGE	1		
ELECTROFI!	BOOM SHOCKEI	27-Apr-05	2740549	MUSKELLUNGE	1		
ELECTROFI!	BOOM SHOCKEI	27-Apr-05	2740550	MUSKELLUNGE	1		
ELECTROFI!	BOOM SHOCKEI	27-Apr-05	2740551	MUSKELLUNGE	1		
ELECTROFI!	BOOM SHOCKEI	25-Sep-06	3868327	MUSKELLUNGE	1		
ELECTROFI!	BOOM SHOCKEI	25-Sep-06	3868328	MUSKELLUNGE	1		
ELECTROFI!	BOOM SHOCKEI	25-Sep-06	3868329	MUSKELLUNGE	1		
ELECTROFI!	BOOM SHOCKEI	25-Sep-06	3868330	MUSKELLUNGE	1		
ELECTROFI!	BOOM SHOCKEI	25-Sep-06	3868331	MUSKELLUNGE	1		
ELECTROFI!	BOOM SHOCKEI	4-Oct-07	6057561	MUSKELLUNGE	1		
NETTING	FYKE NET	24-Apr-08	6774484	MUSKELLUNGE	1		
NETTING	FYKE NET	24-Apr-08	6774485	MUSKELLUNGE	1		
NETTING	FYKE NET	24-Apr-08	6774486	MUSKELLUNGE	1		
NETTING	FYKE NET	24-Apr-08	6774487	MUSKELLUNGE	1		
NETTING	FYKE NET	24-Apr-08	6774488	MUSKELLUNGE	1		
NETTING	FYKE NET	24-Apr-08	6774489	MUSKELLUNGE	1		
NETTING	FYKE NET	24-Apr-08	6774490	MUSKELLUNGE	1		
NETTING	FYKE NET	24-Apr-08	6774491	MUSKELLUNGE	1		
NETTING	FYKE NET	24-Apr-08	6774492	MUSKELLUNGE	1		
NETTING	FYKE NET	25-Apr-08	6774649	MUSKELLUNGE	1		
NETTING	FYKE NET	25-Apr-08	6774650	MUSKELLUNGE	1		
NETTING	FYKE NET	25-Apr-08	6774651	MUSKELLUNGE	1		

NETTING	FYKE NET	25-Apr-08	6774652	MUSKELLUNGE	1		
NETTING	FYKE NET	25-Apr-08	6774653	MUSKELLUNGE	1		
ELECTROFI	BOOM SHOCKEI	9-Jun-08	6783849	MUSKELLUNGE	1		
NETTING	FYKE NET	2-May-13	9967978	MUSKELLUNGE	1		
NETTING	FYKE NET	2-May-13	9967979	MUSKELLUNGE	1		
NETTING	FYKE NET	2-May-13	9967980	MUSKELLUNGE	1		
NETTING	FYKE NET	2-May-13	9967981	MUSKELLUNGE	1		
NETTING	FYKE NET	2-May-13	9967982	MUSKELLUNGE	1		
NETTING	FYKE NET	2-May-13	9967983	MUSKELLUNGE	1		
NETTING	FYKE NET	2-May-13	9967984	MUSKELLUNGE	1		
NETTING	FYKE NET	2-May-13	9967985	MUSKELLUNGE	1		
NETTING	FYKE NET	2-May-13	9967986	MUSKELLUNGE	1		
NETTING	FYKE NET	2-May-13	9968016	MUSKELLUNGE	1		
NETTING	FYKE NET	2-May-13	9968017	MUSKELLUNGE	1		
NETTING	FYKE NET	2-May-13	9968021	MUSKELLUNGE	1		
ELECTROFI	BOOM SHOCKEI	28-Apr-14	10380439	MUSKELLUNGE	1		
OTHER	HOOK AND LINE	21-May-14	13225711	MUSKELLUNGE	1		
OTHER	HOOK AND LINE	21-May-14	13225712	MUSKELLUNGE	1		
OTHER	HOOK AND LINE	1-Jun-18	12565194	MUSKELLUNGE	1		
OTHER	HOOK AND LINE	4-Jul-18	12565195	MUSKELLUNGE	1	78	0.90%
NETTING	FYKE NET	24-Apr-08	6774505	NORTHERN HOG SUCKER	1		
NETTING	FYKE NET	24-Apr-08	6774506	NORTHERN HOG SUCKER	1		
NETTING	FYKE NET	24-Apr-08	6774507	NORTHERN HOG SUCKER	1		
NETTING	FYKE NET	25-Apr-08	6774668	NORTHERN HOG SUCKER	1	4	0.05%
ELECTROFI	BOOM SHOCKEI	27-Oct-65	8223454	NORTHERN PIKE	1		
ELECTROFI	BOOM SHOCKEI	27-Oct-65	8223455	NORTHERN PIKE	1		
ELECTROFI	BOOM SHOCKEI	27-Oct-65	8223456	NORTHERN PIKE	2		
ELECTROFI	BOOM SHOCKEI	27-Oct-65	8223457	NORTHERN PIKE	1		
ELECTROFI	BOOM SHOCKEI	27-Oct-65	8223458	NORTHERN PIKE	1		
ELECTROFI	BOOM SHOCKEI	27-Oct-65	8223459	NORTHERN PIKE	1		
ELECTROFI	BOOM SHOCKEI	27-Oct-65	8223460	NORTHERN PIKE	1		
ELECTROFI	BOOM SHOCKEI	27-Oct-65	8223461	NORTHERN PIKE	1		
ELECTROFI	BOOM SHOCKEI	27-Oct-65	8223462	NORTHERN PIKE	1		
ELECTROFI	BOOM SHOCKEI	27-Oct-65	8223463	NORTHERN PIKE	1		
ELECTROFI	BOOM SHOCKEI	27-Oct-65	8226341	NORTHERN PIKE	1		
ELECTROFI	BOOM SHOCKEI	27-Oct-65	8226342	NORTHERN PIKE	1		
ELECTROFI	BOOM SHOCKEI	27-Oct-65	8226343	NORTHERN PIKE	1		
ELECTROFI	BOOM SHOCKEI	27-Oct-65	8226344	NORTHERN PIKE	1		
ELECTROFI	BOOM SHOCKEI	27-Oct-65	8226345	NORTHERN PIKE	4		
ELECTROFI	BOOM SHOCKEI	27-Oct-65	8226346	NORTHERN PIKE	1		
ELECTROFI	BOOM SHOCKEI	27-Oct-65	8226347	NORTHERN PIKE	1		
ELECTROFI	BOOM SHOCKEI	27-Oct-65	8226348	NORTHERN PIKE	1		
ELECTROFI	BOOM SHOCKEI	27-Oct-65	8226349	NORTHERN PIKE	2		
ELECTROFI	BOOM SHOCKEI	27-Oct-65	8226350	NORTHERN PIKE	2		
ELECTROFI	BOOM SHOCKEI	27-Oct-65	8226351	NORTHERN PIKE	1		
ELECTROFI	BOOM SHOCKEI	27-Oct-65	8226352	NORTHERN PIKE	4		
ELECTROFI	BOOM SHOCKEI	27-Oct-65	8226353	NORTHERN PIKE	2		
ELECTROFI	BOOM SHOCKEI	27-Oct-65	8226354	NORTHERN PIKE	2		
ELECTROFI	BOOM SHOCKEI	27-Oct-65	8226355	NORTHERN PIKE	2		
ELECTROFI	BOOM SHOCKEI	27-Oct-65	8226356	NORTHERN PIKE	1		
ELECTROFI	BOOM SHOCKEI	27-Oct-65	8226357	NORTHERN PIKE	1		
ELECTROFI	BOOM SHOCKEI	27-Oct-65	8226358	NORTHERN PIKE	4		
ELECTROFI	BOOM SHOCKEI	27-Oct-65	8226359	NORTHERN PIKE	1		
ELECTROFI	BOOM SHOCKEI	3-Oct-01	2068927	NORTHERN PIKE	2		
ELECTROFI	BOOM SHOCKEI	3-Oct-01	2068928	NORTHERN PIKE	37		
ELECTROFI	BOOM SHOCKEI	3-Oct-01	2068929	NORTHERN PIKE	1		
ELECTROFI	BOOM SHOCKEI	3-Oct-01	2068930	NORTHERN PIKE	7		
ELECTROFI	BOOM SHOCKEI	3-Oct-01	2068931	NORTHERN PIKE	2		
ELECTROFI	BOOM SHOCKEI	3-Oct-01	2068932	NORTHERN PIKE	3		
ELECTROFI	BOOM SHOCKEI	3-Oct-01	2068933	NORTHERN PIKE	1		
ELECTROFI	BOOM SHOCKEI	3-Oct-01	2068934	NORTHERN PIKE	1		





ELECTROFI: BOOM SHOCKE	6-Oct-04	2724761	NORTHERN PIKE	2
ELECTROFI: BOOM SHOCKE	6-Oct-04	2724762	NORTHERN PIKE	2
ELECTROFI: BOOM SHOCKE	6-Oct-04	2724763	NORTHERN PIKE	2
ELECTROFI: BOOM SHOCKE	6-Oct-04	2724764	NORTHERN PIKE	2
ELECTROFI: BOOM SHOCKE	6-Oct-04	2724765	NORTHERN PIKE	2
ELECTROFI: BOOM SHOCKE	6-Oct-04	2724766	NORTHERN PIKE	1
ELECTROFI: BOOM SHOCKE	6-Oct-04	2724767	NORTHERN PIKE	1
ELECTROFI: BOOM SHOCKE	6-Oct-04	2724768	NORTHERN PIKE	1
ELECTROFI: BOOM SHOCKE	6-Oct-04	2724769	NORTHERN PIKE	1
ELECTROFI: BOOM SHOCKE	6-Oct-04	2724770	NORTHERN PIKE	1
ELECTROFI: BOOM SHOCKE	6-Oct-04	2724771	NORTHERN PIKE	2
ELECTROFI: BOOM SHOCKE	6-Oct-04	2724772	NORTHERN PIKE	1
ELECTROFI: BOOM SHOCKE	6-Oct-04	2724773	NORTHERN PIKE	1
ELECTROFI: BOOM SHOCKE	6-Oct-04	2724774	NORTHERN PIKE	1
NETTING FYKE NET	10-Apr-05	4002782	NORTHERN PIKE	1
NETTING FYKE NET	10-Apr-05	4002783	NORTHERN PIKE	1
NETTING FYKE NET	11-Apr-05	4002759	NORTHERN PIKE	1
NETTING FYKE NET	11-Apr-05	4002760	NORTHERN PIKE	1
NETTING FYKE NET	11-Apr-05	4002761	NORTHERN PIKE	1
NETTING FYKE NET	11-Apr-05	4002762	NORTHERN PIKE	1
NETTING FYKE NET	11-Apr-05	4002763	NORTHERN PIKE	1
NETTING FYKE NET	11-Apr-05	4002764	NORTHERN PIKE	1
ELECTROFI: BOOM SHOCKE	27-Apr-05	2740547	NORTHERN PIKE	1
ELECTROFI: BOOM SHOCKE	27-Apr-05	2740548	NORTHERN PIKE	3
OTHER HOOK AND LINE	11-May-05	2740681	NORTHERN PIKE	3
OTHER HOOK AND LINE	11-May-05	2740682	NORTHERN PIKE	3
OTHER HOOK AND LINE	11-May-05	2740683	NORTHERN PIKE	3
ELECTROFI: BOOM SHOCKE	25-Sep-06	3868332	NORTHERN PIKE	1
ELECTROFI: BOOM SHOCKE	25-Sep-06	3868333	NORTHERN PIKE	1
ELECTROFI: BOOM SHOCKE	25-Sep-06	3868334	NORTHERN PIKE	3
ELECTROFI: BOOM SHOCKE	25-Sep-06	3868335	NORTHERN PIKE	1
ELECTROFI: BOOM SHOCKE	25-Sep-06	3868336	NORTHERN PIKE	3
ELECTROFI: BOOM SHOCKE	25-Sep-06	3868337	NORTHERN PIKE	2
ELECTROFI: BOOM SHOCKE	25-Sep-06	3868338	NORTHERN PIKE	2
ELECTROFI: BOOM SHOCKE	25-Sep-06	3868339	NORTHERN PIKE	3
ELECTROFI: BOOM SHOCKE	25-Sep-06	3868340	NORTHERN PIKE	2
ELECTROFI: BOOM SHOCKE	25-Sep-06	3868341	NORTHERN PIKE	2
ELECTROFI: BOOM SHOCKE	25-Sep-06	3868342	NORTHERN PIKE	1
ELECTROFI: BOOM SHOCKE	25-Sep-06	3868343	NORTHERN PIKE	1
ELECTROFI: BOOM SHOCKE	4-Oct-07	6057434	NORTHERN PIKE	1
ELECTROFI: BOOM SHOCKE	4-Oct-07	6057435	NORTHERN PIKE	2
ELECTROFI: BOOM SHOCKE	4-Oct-07	6057436	NORTHERN PIKE	1
ELECTROFI: BOOM SHOCKE	4-Oct-07	6057437	NORTHERN PIKE	2
ELECTROFI: BOOM SHOCKE	4-Oct-07	6057438	NORTHERN PIKE	1
ELECTROFI: BOOM SHOCKE	4-Oct-07	6057439	NORTHERN PIKE	1
ELECTROFI: BOOM SHOCKE	4-Oct-07	6057440	NORTHERN PIKE	1
ELECTROFI: BOOM SHOCKE	4-Oct-07	6057441	NORTHERN PIKE	1
ELECTROFI: BOOM SHOCKE	4-Oct-07	6057442	NORTHERN PIKE	1
ELECTROFI: BOOM SHOCKE	4-Oct-07	6057443	NORTHERN PIKE	3
ELECTROFI: BOOM SHOCKE	4-Oct-07	6057444	NORTHERN PIKE	1
ELECTROFI: BOOM SHOCKE	4-Oct-07	6057445	NORTHERN PIKE	1
ELECTROFI: BOOM SHOCKE	4-Oct-07	6057446	NORTHERN PIKE	1
ELECTROFI: BOOM SHOCKE	4-Oct-07	6057552	NORTHERN PIKE	1
ELECTROFI: BOOM SHOCKE	4-Oct-07	6057553	NORTHERN PIKE	3
ELECTROFI: BOOM SHOCKE	4-Oct-07	6057554	NORTHERN PIKE	1
ELECTROFI: BOOM SHOCKE	4-Oct-07	6057555	NORTHERN PIKE	1
ELECTROFI: BOOM SHOCKE	4-Oct-07	6057560	NORTHERN PIKE	1
NETTING FYKE NET	24-Apr-08	6774427	NORTHERN PIKE	1
NETTING FYKE NET	24-Apr-08	6774428	NORTHERN PIKE	1
NETTING FYKE NET	24-Apr-08	6774429	NORTHERN PIKE	3
NETTING FYKE NET	24-Apr-08	6774430	NORTHERN PIKE	3



















NETTING	FYKE NET	25-Apr-08	6774660	NORTHERN PIKE X MUSKELLUNGE	1		
ELECTROFI	BOOM SHOCKEI	9-Jun-08	6783850	NORTHERN PIKE X MUSKELLUNGE	1	2	0.02%
NETTING	FYKE NET	8-Apr-05	4002724	PUGNOSE SHINER	1	1	0.01%
ELECTROFI	BOOM SHOCKEI	27-Oct-65	8223501	PUMPKINSEED	1		
ELECTROFI	BOOM SHOCKEI	27-Oct-65	8223502	PUMPKINSEED	1		
ELECTROFI	BOOM SHOCKEI	27-Oct-65	8223503	PUMPKINSEED	1		
ELECTROFI	BOOM SHOCKEI	27-Oct-65	8223504	PUMPKINSEED	1		
NETTING	FYKE NET	28-May-02	2088780	PUMPKINSEED	173		
NETTING	FYKE NET	28-May-02	2088781	PUMPKINSEED	12		
NETTING	FYKE NET	28-May-02	2088782	PUMPKINSEED	12		
NETTING	FYKE NET	28-May-02	2088783	PUMPKINSEED	12		
NETTING	FYKE NET	28-May-02	2088784	PUMPKINSEED	10		
NETTING	FYKE NET	28-May-02	2088785	PUMPKINSEED	4		
NETTING	FYKE NET	28-May-02	2088786	PUMPKINSEED	2		
NETTING	FYKE NET	28-May-02	2088787	PUMPKINSEED	4		
ELECTROFI	BOOM SHOCKEI	26-Sep-02	13422154	PUMPKINSEED	10		
NETTING	FYKE NET	8-Jun-03	2107201	PUMPKINSEED	25		
NETTING	FYKE NET	8-Jun-03	2107204	PUMPKINSEED	6		
NETTING	FYKE NET	8-Jun-03	2107206	PUMPKINSEED	33		
NETTING	FYKE NET	8-Jun-03	2107222	PUMPKINSEED	6		
NETTING	FYKE NET	8-Jun-03	2107223	PUMPKINSEED	6		
NETTING	FYKE NET	8-Jun-03	2107224	PUMPKINSEED	8		
NETTING	FYKE NET	8-Jun-03	2107225	PUMPKINSEED	19		
NETTING	FYKE NET	8-Jun-03	2107226	PUMPKINSEED	16		
NETTING	FYKE NET	8-Jun-03	2107227	PUMPKINSEED	6		
NETTING	FYKE NET	9-Jun-03	2107236	PUMPKINSEED	6		
NETTING	FYKE NET	9-Jun-03	2107238	PUMPKINSEED	125		
NETTING	FYKE NET	9-Jun-03	2107255	PUMPKINSEED	2		
NETTING	FYKE NET	9-Jun-03	2107256	PUMPKINSEED	5		
NETTING	FYKE NET	9-Jun-03	2107257	PUMPKINSEED	14		
NETTING	FYKE NET	9-Jun-03	2107258	PUMPKINSEED	11		
NETTING	FYKE NET	9-Jun-03	2107259	PUMPKINSEED	28		
NETTING	FYKE NET	9-Jun-03	2107260	PUMPKINSEED	27		
NETTING	FYKE NET	9-Jun-03	2107261	PUMPKINSEED	8		
NETTING	FYKE NET	9-Jun-03	2107262	PUMPKINSEED	2		
NETTING	FYKE NET	9-Jun-03	2107263	PUMPKINSEED	1		
NETTING	FYKE NET	10-Jun-03	2107273	PUMPKINSEED	14		
NETTING	FYKE NET	10-Jun-03	2107275	PUMPKINSEED	26		
NETTING	FYKE NET	10-Jun-03	2107279	PUMPKINSEED	58		
NETTING	FYKE NET	13-Jun-03	2107284	PUMPKINSEED	10		
NETTING	FYKE NET	13-Jun-03	2107289	PUMPKINSEED	47		
NETTING	FYKE NET	13-Jun-03	2107295	PUMPKINSEED	40		
NETTING	FYKE NET	13-Jun-03	2107298	PUMPKINSEED	7		
NETTING	FYKE NET	13-Jun-03	2107299	PUMPKINSEED	3		
NETTING	FYKE NET	13-Jun-03	2107300	PUMPKINSEED	4		
NETTING	FYKE NET	13-Jun-03	2107301	PUMPKINSEED	2		
NETTING	FYKE NET	13-Jun-03	2107302	PUMPKINSEED	6		
NETTING	FYKE NET	13-Jun-03	2107303	PUMPKINSEED	20		
NETTING	FYKE NET	13-Jun-03	2107304	PUMPKINSEED	20		
NETTING	FYKE NET	13-Jun-03	2107305	PUMPKINSEED	27		
NETTING	FYKE NET	13-Jun-03	2107306	PUMPKINSEED	11		
NETTING	FYKE NET	13-Jun-03	2107307	PUMPKINSEED	2		
NETTING	FYKE NET	14-Jun-03	2107331	PUMPKINSEED	62		
NETTING	FYKE NET	14-Jun-03	2107341	PUMPKINSEED	20		
NETTING	FYKE NET	14-Jun-03	2107345	PUMPKINSEED	26		
NETTING	FYKE NET	15-Jun-03	2104404	PUMPKINSEED	7		
NETTING	FYKE NET	15-Jun-03	2104405	PUMPKINSEED	3		
NETTING	FYKE NET	15-Jun-03	2104406	PUMPKINSEED	6		
NETTING	FYKE NET	15-Jun-03	2104407	PUMPKINSEED	7		
NETTING	FYKE NET	15-Jun-03	2104408	PUMPKINSEED	20		
NETTING	FYKE NET	15-Jun-03	2104409	PUMPKINSEED	31		

NETTING	FYKE NET	15-Jun-03	2104410	PUMPKINSEED	48
NETTING	FYKE NET	15-Jun-03	2104411	PUMPKINSEED	54
NETTING	FYKE NET	15-Jun-03	2104412	PUMPKINSEED	19
NETTING	FYKE NET	15-Jun-03	2104413	PUMPKINSEED	4
NETTING	FYKE NET	15-Jun-03	2104414	PUMPKINSEED	1
NETTING	FYKE NET	15-Jun-03	2107364	PUMPKINSEED	57
NETTING	FYKE NET	15-Jun-03	2107369	PUMPKINSEED	30
NETTING	FYKE NET	15-Jun-03	2107375	PUMPKINSEED	40
NETTING	MINI FYKE NET	15-Jul-03	2115234	PUMPKINSEED	1
NETTING	MINI FYKE NET	15-Jul-03	2115256	PUMPKINSEED	1
NETTING	MINI FYKE NET	15-Jul-03	2115271	PUMPKINSEED	4
NETTING	MINI FYKE NET	15-Jul-03	2115272	PUMPKINSEED	2
NETTING	MINI FYKE NET	15-Jul-03	2115273	PUMPKINSEED	5
NETTING	MINI FYKE NET	15-Jul-03	2115274	PUMPKINSEED	5
NETTING	MINI FYKE NET	15-Jul-03	2115275	PUMPKINSEED	4
NETTING	MINI FYKE NET	15-Jul-03	2115276	PUMPKINSEED	7
NETTING	MINI FYKE NET	15-Jul-03	2115277	PUMPKINSEED	2
NETTING	MINI FYKE NET	15-Jul-03	2115278	PUMPKINSEED	1
NETTING	MINI FYKE NET	16-Jul-03	2115297	PUMPKINSEED	1
NETTING	MINI FYKE NET	16-Jul-03	2115298	PUMPKINSEED	3
NETTING	MINI FYKE NET	16-Jul-03	2115299	PUMPKINSEED	2
NETTING	MINI FYKE NET	16-Jul-03	2115300	PUMPKINSEED	7
NETTING	MINI FYKE NET	16-Jul-03	2115301	PUMPKINSEED	5
NETTING	MINI FYKE NET	16-Jul-03	2115302	PUMPKINSEED	7
NETTING	MINI FYKE NET	16-Jul-03	2115303	PUMPKINSEED	6
ELECTROFI	BOOM SHOCKE	1-Oct-03	2149523	PUMPKINSEED	1
ELECTROFI	BOOM SHOCKE	1-Oct-03	2149524	PUMPKINSEED	1
ELECTROFI	BOOM SHOCKE	1-Oct-03	2149525	PUMPKINSEED	1
ELECTROFI	BOOM SHOCKE	1-Oct-03	2149526	PUMPKINSEED	1
ELECTROFI	BOOM SHOCKE	1-Oct-03	2149527	PUMPKINSEED	1
ELECTROFI	BOOM SHOCKE	1-Oct-03	2149589	PUMPKINSEED	1
ELECTROFI	BOOM SHOCKE	1-Oct-03	2149590	PUMPKINSEED	1
ELECTROFI	BOOM SHOCKE	1-Oct-03	2149591	PUMPKINSEED	1
OTHER	HOOK AND LINE	11-May-05	2740672	PUMPKINSEED	1
OTHER	HOOK AND LINE	11-May-05	2740673	PUMPKINSEED	2
OTHER	HOOK AND LINE	11-May-05	2740674	PUMPKINSEED	1
OTHER	HOOK AND LINE	11-May-05	2740675	PUMPKINSEED	2
ELECTROFI	BOOM SHOCKE	4-Oct-07	6057591	PUMPKINSEED	1
ELECTROFI	BOOM SHOCKE	4-Oct-07	6057592	PUMPKINSEED	1
ELECTROFI	BOOM SHOCKE	4-Oct-07	6057593	PUMPKINSEED	2
ELECTROFI	BOOM SHOCKE	4-Oct-07	6057594	PUMPKINSEED	2
ELECTROFI	BOOM SHOCKE	4-Oct-07	6057595	PUMPKINSEED	2
ELECTROFI	BOOM SHOCKE	9-Jun-08	6783298	PUMPKINSEED	2
ELECTROFI	BOOM SHOCKE	9-Jun-08	6783299	PUMPKINSEED	2
ELECTROFI	BOOM SHOCKE	9-Jun-08	6783300	PUMPKINSEED	1
ELECTROFI	BOOM SHOCKE	9-Jun-08	6783301	PUMPKINSEED	1
ELECTROFI	BOOM SHOCKE	9-Jun-08	6783302	PUMPKINSEED	2
ELECTROFI	BOOM SHOCKE	9-Jun-08	6783303	PUMPKINSEED	5
ELECTROFI	BOOM SHOCKE	9-Jun-08	6783304	PUMPKINSEED	1
ELECTROFI	BOOM SHOCKE	9-Jun-08	6783305	PUMPKINSEED	1
ELECTROFI	BOOM SHOCKE	9-Jun-08	6783306	PUMPKINSEED	3
ELECTROFI	BOOM SHOCKE	9-Jun-08	6783307	PUMPKINSEED	1
ELECTROFI	BOOM SHOCKE	9-Jun-08	6783308	PUMPKINSEED	1
ELECTROFI	BOOM SHOCKE	9-Jun-08	6783309	PUMPKINSEED	1
ELECTROFI	BOOM SHOCKE	9-Jun-08	6783310	PUMPKINSEED	1
ELECTROFI	BOOM SHOCKE	9-Jun-08	6783311	PUMPKINSEED	1
ELECTROFI	BOOM SHOCKE	9-Jun-08	6783312	PUMPKINSEED	1
ELECTROFI	BOOM SHOCKE	9-Jun-08	6783313	PUMPKINSEED	1
ELECTROFI	BOOM SHOCKE	9-Jun-08	6783314	PUMPKINSEED	1
ELECTROFI	BOOM SHOCKE	9-Jun-08	6783315	PUMPKINSEED	1
ELECTROFI	BOOM SHOCKE	9-Jun-08	6783316	PUMPKINSEED	1



ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783317	PUMPKINSEED	1		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783318	PUMPKINSEED	1		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783621	PUMPKINSEED	2		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783622	PUMPKINSEED	2		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783623	PUMPKINSEED	1		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783624	PUMPKINSEED	1		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783625	PUMPKINSEED	1		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783626	PUMPKINSEED	1		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783627	PUMPKINSEED	1		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783628	PUMPKINSEED	2		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783629	PUMPKINSEED	1		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783630	PUMPKINSEED	1		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783631	PUMPKINSEED	1		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783632	PUMPKINSEED	1		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783633	PUMPKINSEED	1		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783634	PUMPKINSEED	1		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783635	PUMPKINSEED	1		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783636	PUMPKINSEED	1		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783637	PUMPKINSEED	3		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783638	PUMPKINSEED	1		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783639	PUMPKINSEED	2		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783640	PUMPKINSEED	4		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783641	PUMPKINSEED	1		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783642	PUMPKINSEED	1		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783643	PUMPKINSEED	1		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783644	PUMPKINSEED	1		
NETTING FYKE NET	23-Apr-14	10379762	PUMPKINSEED	1		
NETTING FYKE NET	23-Apr-14	10379789	PUMPKINSEED	1		
NETTING FYKE NET	23-Apr-14	10379791	PUMPKINSEED	1		
NETTING FYKE NET	23-Apr-14	10379795	PUMPKINSEED	1		
NETTING FYKE NET	24-Apr-14	10379873	PUMPKINSEED	1		
NETTING FYKE NET	24-Apr-14	10379937	PUMPKINSEED	1		
NETTING FYKE NET	24-Apr-14	10380016	PUMPKINSEED	1		
NETTING FYKE NET	24-Apr-14	10380017	PUMPKINSEED	1		
NETTING FYKE NET	24-Apr-14	10380018	PUMPKINSEED	1		
NETTING FYKE NET	24-Apr-14	10380019	PUMPKINSEED	1		
NETTING FYKE NET	24-Apr-14	10380020	PUMPKINSEED	1		
NETTING FYKE NET	24-Apr-14	10380021	PUMPKINSEED	1		
NETTING FYKE NET	24-Apr-14	10380118	PUMPKINSEED	1		
NETTING FYKE NET	24-Apr-14	10380119	PUMPKINSEED	1		
NETTING FYKE NET	26-Apr-14	10380422	PUMPKINSEED	2	1493	17.28%
ELECTROFI! BOOM SHOCKEI	27-Oct-65	8223481	REDHORSES	1		
ELECTROFI! BOOM SHOCKEI	27-Oct-65	8223496	ROCK BASS	1		
ELECTROFI! BOOM SHOCKEI	27-Oct-65	8223497	ROCK BASS	1		
ELECTROFI! BOOM SHOCKEI	27-Oct-65	8223498	ROCK BASS	1		
ELECTROFI! BOOM SHOCKEI	27-Oct-65	8223499	ROCK BASS	1		
ELECTROFI! BOOM SHOCKEI	27-Oct-65	8223500	ROCK BASS	1		
NETTING FYKE NET	13-Jun-03	2107325	ROCK BASS	1		
NETTING FYKE NET	14-Jun-03	2107338	ROCK BASS	1		
NETTING FYKE NET	15-Jun-03	2104423	ROCK BASS	1		
NETTING FYKE NET	15-Jun-03	2104424	ROCK BASS	1		
NETTING FYKE NET	10-Apr-05	4002787	ROCK BASS	1		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783684	ROCK BASS	1	12	0.14%
NETTING FYKE NET	10-Apr-05	4002781	SHORthead REDHORSE	1		
NETTING FYKE NET	11-Apr-05	4002775	SHORthead REDHORSE	1		
NETTING FYKE NET	11-Apr-05	4002776	SHORthead REDHORSE	1		
ELECTROFI! BOOM SHOCKEI	4-Oct-07	6057497	SHORthead REDHORSE	1		
ELECTROFI! BOOM SHOCKEI	4-Oct-07	6057565	SHORthead REDHORSE	1		
ELECTROFI! BOOM SHOCKEI	4-Oct-07	6057566	SHORthead REDHORSE	1		
NETTING FYKE NET	24-Apr-08	6774499	SHORthead REDHORSE	1		
NETTING FYKE NET	25-Apr-08	6774665	SHORthead REDHORSE	1		

NETTING	FYKE NET	25-Apr-08	6774666	SHORTHEAD REDHORSE	1		
NETTING	FYKE NET	25-Apr-08	6774667	SHORTHEAD REDHORSE	1		
ELECTROFI!	BOOM SHOCKEI	9-Jun-08	6783332	SHORTHEAD REDHORSE	1		
ELECTROFI!	BOOM SHOCKEI	9-Jun-08	6783680	SHORTHEAD REDHORSE	1		
ELECTROFI!	BOOM SHOCKEI	9-Jun-08	6783681	SHORTHEAD REDHORSE	1		
ELECTROFI!	BOOM SHOCKEI	9-Jun-08	6783682	SHORTHEAD REDHORSE	1	14	0.16%
ELECTROFI!	BOOM SHOCKEI	6-Oct-04	2724781	SILVER REDHORSE	1	1	0.01%
ELECTROFI!	BOOM SHOCKEI	25-Sep-06	3868326	SMALLMOUTH BASS	1		
ELECTROFI!	BOOM SHOCKEI	9-Jun-08	6783755	SMALLMOUTH BASS	1		
NETTING	FYKE NET	2-May-13	9967987	SMALLMOUTH BASS	1	3	0.03%
ELECTROFI!	BOOM SHOCKEI	27-Oct-65	8223464	SUCKERS	1		
ELECTROFI!	BOOM SHOCKEI	27-Oct-65	8223465	SUCKERS	1		
ELECTROFI!	BOOM SHOCKEI	27-Oct-65	8223466	SUCKERS	2		
ELECTROFI!	BOOM SHOCKEI	27-Oct-65	8223467	SUCKERS	1		
ELECTROFI!	BOOM SHOCKEI	27-Oct-65	8223468	SUCKERS	1		
ELECTROFI!	BOOM SHOCKEI	27-Oct-65	8223469	SUCKERS	1		
ELECTROFI!	BOOM SHOCKEI	27-Oct-65	8223470	SUCKERS	1		
ELECTROFI!	BOOM SHOCKEI	27-Oct-65	8223471	SUCKERS	1		
ELECTROFI!	BOOM SHOCKEI	27-Oct-65	8223472	SUCKERS	3		
ELECTROFI!	BOOM SHOCKEI	27-Oct-65	8223473	SUCKERS	2		
ELECTROFI!	BOOM SHOCKEI	27-Oct-65	8223474	SUCKERS	1		
ELECTROFI!	BOOM SHOCKEI	27-Oct-65	8223475	SUCKERS	1		
ELECTROFI!	BOOM SHOCKEI	27-Oct-65	8223476	SUCKERS	1		
ELECTROFI!	BOOM SHOCKEI	27-Oct-65	8223477	SUCKERS	1		
ELECTROFI!	BOOM SHOCKEI	27-Oct-65	8223478	SUCKERS	1		
ELECTROFI!	BOOM SHOCKEI	27-Oct-65	8223479	SUCKERS	1		
ELECTROFI!	BOOM SHOCKEI	27-Oct-65	8223480	SUCKERS	1	21	0.24%
NETTING	FYKE NET	11-Apr-05	4002773	TADPOLE MADTOM	1		
ELECTROFI!	BOOM SHOCKEI	9-Jun-08	6783687	TADPOLE MADTOM	1	2	0.02%
ELECTROFI!	BOOM SHOCKEI	27-Oct-65	8223525	WALLEYE	1		
ELECTROFI!	BOOM SHOCKEI	27-Oct-65	8223526	WALLEYE	1		
ELECTROFI!	BOOM SHOCKEI	27-Oct-65	8223527	WALLEYE	1		
ELECTROFI!	BOOM SHOCKEI	3-Oct-01	2068890	WALLEYE	19		
ELECTROFI!	BOOM SHOCKEI	3-Oct-01	2068891	WALLEYE	22		
ELECTROFI!	BOOM SHOCKEI	3-Oct-01	2068892	WALLEYE	11		
ELECTROFI!	BOOM SHOCKEI	3-Oct-01	2068893	WALLEYE	1		
ELECTROFI!	BOOM SHOCKEI	3-Oct-01	2068894	WALLEYE	1		
ELECTROFI!	BOOM SHOCKEI	3-Oct-01	2068895	WALLEYE	1		
ELECTROFI!	BOOM SHOCKEI	3-Oct-01	2068896	WALLEYE	6		
ELECTROFI!	BOOM SHOCKEI	3-Oct-01	2068897	WALLEYE	3		
ELECTROFI!	BOOM SHOCKEI	3-Oct-01	2068898	WALLEYE	2		
ELECTROFI!	BOOM SHOCKEI	3-Oct-01	2068899	WALLEYE	2		
ELECTROFI!	BOOM SHOCKEI	3-Oct-01	2068900	WALLEYE	1		
ELECTROFI!	BOOM SHOCKEI	3-Oct-01	2068901	WALLEYE	2		
ELECTROFI!	BOOM SHOCKEI	3-Oct-01	2068902	WALLEYE	1		
ELECTROFI!	BOOM SHOCKEI	3-Oct-01	2068903	WALLEYE	2		
ELECTROFI!	BOOM SHOCKEI	3-Oct-01	2068904	WALLEYE	1		
ELECTROFI!	BOOM SHOCKEI	3-Oct-01	2068905	WALLEYE	1		
ELECTROFI!	BOOM SHOCKEI	3-Oct-01	2068906	WALLEYE	2		
ELECTROFI!	BOOM SHOCKEI	3-Oct-01	2068907	WALLEYE	1		
ELECTROFI!	BOOM SHOCKEI	3-Oct-01	2068908	WALLEYE	1		
NETTING	FYKE NET	28-May-02	2088797	WALLEYE	1		
ELECTROFI!	BOOM SHOCKEI	26-Sep-02	1998655	WALLEYE	1		
ELECTROFI!	BOOM SHOCKEI	26-Sep-02	1998656	WALLEYE	1		
ELECTROFI!	BOOM SHOCKEI	26-Sep-02	1998657	WALLEYE	2		
ELECTROFI!	BOOM SHOCKEI	26-Sep-02	1998658	WALLEYE	2		
ELECTROFI!	BOOM SHOCKEI	26-Sep-02	1998659	WALLEYE	2		
ELECTROFI!	BOOM SHOCKEI	26-Sep-02	1998660	WALLEYE	2		
ELECTROFI!	BOOM SHOCKEI	26-Sep-02	1998661	WALLEYE	2		
ELECTROFI!	BOOM SHOCKEI	26-Sep-02	1998662	WALLEYE	4		
ELECTROFI!	BOOM SHOCKEI	26-Sep-02	1998663	WALLEYE	1		

ELECTROFI! BOOM SHOCKEI	26-Sep-02	1998664	WALLEYE	1
ELECTROFI! BOOM SHOCKEI	26-Sep-02	1998665	WALLEYE	2
ELECTROFI! BOOM SHOCKEI	26-Sep-02	1998666	WALLEYE	1
ELECTROFI! BOOM SHOCKEI	26-Sep-02	1998667	WALLEYE	1
ELECTROFI! BOOM SHOCKEI	26-Sep-02	1998668	WALLEYE	1
ELECTROFI! BOOM SHOCKEI	26-Sep-02	1998669	WALLEYE	1
ELECTROFI! BOOM SHOCKEI	26-Sep-02	1998670	WALLEYE	1
ELECTROFI! BOOM SHOCKEI	26-Sep-02	1998671	WALLEYE	1
NETTING FYKE NET	10-Jun-03	2107280	WALLEYE	1
NETTING FYKE NET	14-Jun-03	2107342	WALLEYE	1
NETTING FYKE NET	14-Jun-03	2107346	WALLEYE	1
NETTING FYKE NET	15-Jun-03	2104426	WALLEYE	1
NETTING FYKE NET	15-Jun-03	2104427	WALLEYE	1
ELECTROFI! BOOM SHOCKEI	1-Oct-03	2149303	WALLEYE	1
ELECTROFI! BOOM SHOCKEI	1-Oct-03	2149304	WALLEYE	5
ELECTROFI! BOOM SHOCKEI	1-Oct-03	2149305	WALLEYE	7
ELECTROFI! BOOM SHOCKEI	1-Oct-03	2149306	WALLEYE	6
ELECTROFI! BOOM SHOCKEI	1-Oct-03	2149307	WALLEYE	5
ELECTROFI! BOOM SHOCKEI	1-Oct-03	2149308	WALLEYE	2
ELECTROFI! BOOM SHOCKEI	1-Oct-03	2149309	WALLEYE	2
ELECTROFI! BOOM SHOCKEI	1-Oct-03	2149310	WALLEYE	1
ELECTROFI! BOOM SHOCKEI	1-Oct-03	2149311	WALLEYE	2
ELECTROFI! BOOM SHOCKEI	1-Oct-03	2149312	WALLEYE	1
ELECTROFI! BOOM SHOCKEI	1-Oct-03	2149439	WALLEYE	1
ELECTROFI! BOOM SHOCKEI	1-Oct-03	2149440	WALLEYE	1
ELECTROFI! BOOM SHOCKEI	1-Oct-03	2149441	WALLEYE	1
ELECTROFI! BOOM SHOCKEI	1-Oct-03	2149442	WALLEYE	1
ELECTROFI! BOOM SHOCKEI	6-Oct-04	2724712	WALLEYE	4
ELECTROFI! BOOM SHOCKEI	6-Oct-04	2724713	WALLEYE	1
ELECTROFI! BOOM SHOCKEI	6-Oct-04	2724714	WALLEYE	3
ELECTROFI! BOOM SHOCKEI	6-Oct-04	2724715	WALLEYE	1
ELECTROFI! BOOM SHOCKEI	6-Oct-04	2724716	WALLEYE	1
ELECTROFI! BOOM SHOCKEI	6-Oct-04	2724717	WALLEYE	2
ELECTROFI! BOOM SHOCKEI	6-Oct-04	2724718	WALLEYE	1
ELECTROFI! BOOM SHOCKEI	6-Oct-04	2724719	WALLEYE	2
ELECTROFI! BOOM SHOCKEI	6-Oct-04	2724720	WALLEYE	1
ELECTROFI! BOOM SHOCKEI	6-Oct-04	2724721	WALLEYE	1
ELECTROFI! BOOM SHOCKEI	6-Oct-04	2724722	WALLEYE	2
ELECTROFI! BOOM SHOCKEI	6-Oct-04	2724723	WALLEYE	1
ELECTROFI! BOOM SHOCKEI	6-Oct-04	2724724	WALLEYE	1
ELECTROFI! MINI BOOM SH	11-Apr-05	2740646	WALLEYE	1
ELECTROFI! MINI BOOM SH	11-Apr-05	2740647	WALLEYE	2
ELECTROFI! MINI BOOM SH	11-Apr-05	2740648	WALLEYE	1
ELECTROFI! MINI BOOM SH	11-Apr-05	2740649	WALLEYE	1
ELECTROFI! MINI BOOM SH	11-Apr-05	2740650	WALLEYE	1
ELECTROFI! MINI BOOM SH	11-Apr-05	2740651	WALLEYE	1
ELECTROFI! MINI BOOM SH	11-Apr-05	2740652	WALLEYE	2
ELECTROFI! MINI BOOM SH	11-Apr-05	2740653	WALLEYE	1
ELECTROFI! MINI BOOM SH	11-Apr-05	2740654	WALLEYE	1
ELECTROFI! MINI BOOM SH	11-Apr-05	2740655	WALLEYE	1
ELECTROFI! MINI BOOM SH	11-Apr-05	2740656	WALLEYE	1
ELECTROFI! MINI BOOM SH	11-Apr-05	2740657	WALLEYE	1
ELECTROFI! MINI BOOM SH	11-Apr-05	2740658	WALLEYE	1
ELECTROFI! MINI BOOM SH	11-Apr-05	2740659	WALLEYE	1
ELECTROFI! MINI BOOM SH	11-Apr-05	2740660	WALLEYE	1
ELECTROFI! BOOM SHOCKEI	25-Sep-06	3868302	WALLEYE	1
ELECTROFI! BOOM SHOCKEI	25-Sep-06	3868303	WALLEYE	2
ELECTROFI! BOOM SHOCKEI	25-Sep-06	3868304	WALLEYE	1
ELECTROFI! BOOM SHOCKEI	25-Sep-06	3868305	WALLEYE	1
ELECTROFI! BOOM SHOCKEI	25-Sep-06	3868306	WALLEYE	1
ELECTROFI! BOOM SHOCKEI	25-Sep-06	3868307	WALLEYE	1

ELECTROFI! BOOM SHOCKEI	25-Sep-06	3868308	WALLEYE	1		
ELECTROFI! BOOM SHOCKEI	25-Sep-06	3868309	WALLEYE	1		
ELECTROFI! BOOM SHOCKEI	25-Sep-06	3868310	WALLEYE	1		
ELECTROFI! BOOM SHOCKEI	4-Oct-07	6057382	WALLEYE	1		
ELECTROFI! BOOM SHOCKEI	4-Oct-07	6057383	WALLEYE	1		
ELECTROFI! BOOM SHOCKEI	4-Oct-07	6057384	WALLEYE	1		
ELECTROFI! BOOM SHOCKEI	4-Oct-07	6057385	WALLEYE	2		
ELECTROFI! BOOM SHOCKEI	4-Oct-07	6057386	WALLEYE	1		
ELECTROFI! BOOM SHOCKEI	4-Oct-07	6057387	WALLEYE	3		
ELECTROFI! BOOM SHOCKEI	4-Oct-07	6057388	WALLEYE	2		
ELECTROFI! BOOM SHOCKEI	4-Oct-07	6057389	WALLEYE	1		
ELECTROFI! BOOM SHOCKEI	4-Oct-07	6057550	WALLEYE	1		
ELECTROFI! BOOM SHOCKEI	4-Oct-07	6057551	WALLEYE	1		
NETTING FYKE NET	24-Apr-08	6774493	WALLEYE	3		
NETTING FYKE NET	24-Apr-08	6774494	WALLEYE	1		
NETTING FYKE NET	24-Apr-08	6774495	WALLEYE	1		
NETTING FYKE NET	24-Apr-08	6774496	WALLEYE	1		
NETTING FYKE NET	24-Apr-08	6774497	WALLEYE	1		
NETTING FYKE NET	24-Apr-08	6774498	WALLEYE	2		
NETTING FYKE NET	25-Apr-08	6774654	WALLEYE	1		
NETTING FYKE NET	25-Apr-08	6774655	WALLEYE	1		
NETTING FYKE NET	25-Apr-08	6774656	WALLEYE	1		
NETTING FYKE NET	25-Apr-08	6774657	WALLEYE	1		
NETTING FYKE NET	25-Apr-08	6774658	WALLEYE	1		
NETTING FYKE NET	25-Apr-08	6774659	WALLEYE	1		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783751	WALLEYE	1		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783752	WALLEYE	1		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783753	WALLEYE	1		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783754	WALLEYE	1		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783840	WALLEYE	1		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783841	WALLEYE	1		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783842	WALLEYE	1		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783843	WALLEYE	1		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783844	WALLEYE	1		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783845	WALLEYE	1		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783846	WALLEYE	1		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783847	WALLEYE	2		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783848	WALLEYE	2		
NETTING FYKE NET	2-May-13	9968018	WALLEYE	1		
NETTING FYKE NET	2-May-13	9968019	WALLEYE	1		
NETTING FYKE NET	2-May-13	9968020	WALLEYE	1		
NETTING FYKE NET	23-Apr-14	10379779	WALLEYE	1		
NETTING FYKE NET	23-Apr-14	10379780	WALLEYE	1		
NETTING FYKE NET	23-Apr-14	10379781	WALLEYE	1		
NETTING FYKE NET	23-Apr-14	10379812	WALLEYE	1		
NETTING FYKE NET	24-Apr-14	10379889	WALLEYE	1		
NETTING FYKE NET	24-Apr-14	10379892	WALLEYE	1		
NETTING FYKE NET	24-Apr-14	10379903	WALLEYE	1		
NETTING FYKE NET	24-Apr-14	10379915	WALLEYE	1		
NETTING FYKE NET	25-Apr-14	10380193	WALLEYE	1		
NETTING FYKE NET	25-Apr-14	10380252	WALLEYE	1		
NETTING FYKE NET	26-Apr-14	10380343	WALLEYE	1		
NETTING FYKE NET	26-Apr-14	10380427	WALLEYE	1	258	2.99%
NETTING FYKE NET	28-May-02	2088795	WHITE SUCKER	1		
NETTING FYKE NET	28-May-02	2088796	WHITE SUCKER	1		
NETTING FYKE NET	9-Jun-03	2107252	WHITE SUCKER	1		
NETTING FYKE NET	13-Jun-03	2107297	WHITE SUCKER	1		
NETTING FYKE NET	13-Jun-03	2107328	WHITE SUCKER	1		
NETTING FYKE NET	15-Jun-03	2104438	WHITE SUCKER	1		
NETTING MINI FYKE NET '	16-Jul-03	2115314	WHITE SUCKER	1		
ELECTROFI! BOOM SHOCKEI	1-Oct-03	2149342	WHITE SUCKER	1		

ELECTROFI! BOOM SHOCKEI	1-Oct-03	2149497	WHITE SUCKER	1		
ELECTROFI! BOOM SHOCKEI	1-Oct-03	2149498	WHITE SUCKER	1		
ELECTROFI! BOOM SHOCKEI	1-Oct-03	2149499	WHITE SUCKER	1		
ELECTROFI! BOOM SHOCKEI	1-Oct-03	2149500	WHITE SUCKER	1		
ELECTROFI! BOOM SHOCKEI	1-Oct-03	2149501	WHITE SUCKER	2		
ELECTROFI! BOOM SHOCKEI	1-Oct-03	2149561	WHITE SUCKER	1		
ELECTROFI! BOOM SHOCKEI	1-Oct-03	2149562	WHITE SUCKER	1		
ELECTROFI! BOOM SHOCKEI	1-Oct-03	2149563	WHITE SUCKER	1		
ELECTROFI! BOOM SHOCKEI	1-Oct-03	2149564	WHITE SUCKER	1		
ELECTROFI! BOOM SHOCKEI	6-Oct-04	2724778	WHITE SUCKER	3		
ELECTROFI! BOOM SHOCKEI	6-Oct-04	2724779	WHITE SUCKER	3		
ELECTROFI! BOOM SHOCKEI	6-Oct-04	2724780	WHITE SUCKER	3		
NETTING FYKE NET	8-Apr-05	4002725	WHITE SUCKER	1		
NETTING FYKE NET	8-Apr-05	4002726	WHITE SUCKER	1		
NETTING FYKE NET	9-Apr-05	4002730	WHITE SUCKER	1		
NETTING FYKE NET	10-Apr-05	4002780	WHITE SUCKER	1		
NETTING FYKE NET	10-Apr-05	4002785	WHITE SUCKER	1		
NETTING FYKE NET	11-Apr-05	4002770	WHITE SUCKER	1		
NETTING FYKE NET	11-Apr-05	4002771	WHITE SUCKER	1		
ELECTROFI! BOOM SHOCKEI	4-Oct-07	6057486	WHITE SUCKER	1		
ELECTROFI! BOOM SHOCKEI	4-Oct-07	6057487	WHITE SUCKER	1		
ELECTROFI! BOOM SHOCKEI	4-Oct-07	6057494	WHITE SUCKER	1		
ELECTROFI! BOOM SHOCKEI	4-Oct-07	6057496	WHITE SUCKER	1		
ELECTROFI! BOOM SHOCKEI	4-Oct-07	6057503	WHITE SUCKER	1		
ELECTROFI! BOOM SHOCKEI	4-Oct-07	6057562	WHITE SUCKER	1		
ELECTROFI! BOOM SHOCKEI	4-Oct-07	6057563	WHITE SUCKER	1		
ELECTROFI! BOOM SHOCKEI	4-Oct-07	6057564	WHITE SUCKER	1		
NETTING FYKE NET	24-Apr-08	6774500	WHITE SUCKER	1		
NETTING FYKE NET	24-Apr-08	6774501	WHITE SUCKER	1		
NETTING FYKE NET	24-Apr-08	6774502	WHITE SUCKER	1		
NETTING FYKE NET	24-Apr-08	6774503	WHITE SUCKER	1		
NETTING FYKE NET	24-Apr-08	6774504	WHITE SUCKER	1		
NETTING FYKE NET	25-Apr-08	6774661	WHITE SUCKER	1		
NETTING FYKE NET	25-Apr-08	6774662	WHITE SUCKER	1		
NETTING FYKE NET	25-Apr-08	6774663	WHITE SUCKER	1		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783333	WHITE SUCKER	1		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783334	WHITE SUCKER	2		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783335	WHITE SUCKER	1		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783336	WHITE SUCKER	1		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783337	WHITE SUCKER	1		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783338	WHITE SUCKER	1		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783339	WHITE SUCKER	2		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783340	WHITE SUCKER	1		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783341	WHITE SUCKER	1		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783342	WHITE SUCKER	1		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783343	WHITE SUCKER	1		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783344	WHITE SUCKER	1		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783345	WHITE SUCKER	1		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783346	WHITE SUCKER	1		
ELECTROFI! BOOM SHOCKEI	9-Jun-08	6783683	WHITE SUCKER	1	67	0.78%
ELECTROFI! BOOM SHOCKEI	27-Oct-65	8223482	YELLOW BULLHEAD	1		
ELECTROFI! BOOM SHOCKEI	27-Oct-65	8223483	YELLOW BULLHEAD	1		
ELECTROFI! BOOM SHOCKEI	27-Oct-65	8223484	YELLOW BULLHEAD	1		
ELECTROFI! BOOM SHOCKEI	27-Oct-65	8223485	YELLOW BULLHEAD	1		
ELECTROFI! BOOM SHOCKEI	27-Oct-65	8223486	YELLOW BULLHEAD	1		
ELECTROFI! BOOM SHOCKEI	4-Oct-07	6057499	YELLOW BULLHEAD	1		
ELECTROFI! BOOM SHOCKEI	4-Oct-07	6057500	YELLOW BULLHEAD	1		
NETTING FYKE NET	24-Apr-08	6774510	YELLOW BULLHEAD	2		
NETTING FYKE NET	25-Apr-08	6774670	YELLOW BULLHEAD	3	12	0.14%
ELECTROFI! BOOM SHOCKEI	27-Oct-65	8223519	YELLOW PERCH	1		
ELECTROFI! BOOM SHOCKEI	27-Oct-65	8223520	YELLOW PERCH	1		

ELECTROFIS BOOM SHOCKEI	27-Oct-65	8223521	YELLOW PERCH	1
ELECTROFIS BOOM SHOCKEI	27-Oct-65	8223522	YELLOW PERCH	1
ELECTROFIS BOOM SHOCKEI	27-Oct-65	8223523	YELLOW PERCH	1
ELECTROFIS BOOM SHOCKEI	27-Oct-65	8223524	YELLOW PERCH	1
NETTING FYKE NET	28-May-02	2088788	YELLOW PERCH	2
NETTING FYKE NET	28-May-02	2088789	YELLOW PERCH	1
ELECTROFIS BOOM SHOCKEI	26-Sep-02	13422158	YELLOW PERCH	15
NETTING FYKE NET	8-Jun-03	2107203	YELLOW PERCH	1
NETTING FYKE NET	8-Jun-03	2107209	YELLOW PERCH	1
NETTING FYKE NET	8-Jun-03	2107228	YELLOW PERCH	1
NETTING FYKE NET	8-Jun-03	2107229	YELLOW PERCH	1
NETTING FYKE NET	9-Jun-03	2107241	YELLOW PERCH	1
NETTING FYKE NET	9-Jun-03	2107264	YELLOW PERCH	3
NETTING FYKE NET	9-Jun-03	2107265	YELLOW PERCH	3
NETTING FYKE NET	9-Jun-03	2107266	YELLOW PERCH	3
NETTING FYKE NET	10-Jun-03	2107276	YELLOW PERCH	3
NETTING FYKE NET	13-Jun-03	2107285	YELLOW PERCH	1
NETTING FYKE NET	13-Jun-03	2107290	YELLOW PERCH	2
NETTING FYKE NET	13-Jun-03	2107296	YELLOW PERCH	1
NETTING FYKE NET	13-Jun-03	2107319	YELLOW PERCH	4
NETTING FYKE NET	13-Jun-03	2107320	YELLOW PERCH	4
NETTING FYKE NET	13-Jun-03	2107321	YELLOW PERCH	4
NETTING FYKE NET	13-Jun-03	2107322	YELLOW PERCH	4
NETTING FYKE NET	14-Jun-03	2107336	YELLOW PERCH	1
NETTING FYKE NET	15-Jun-03	2104376	YELLOW PERCH	5
NETTING FYKE NET	15-Jun-03	2104377	YELLOW PERCH	3
NETTING FYKE NET	15-Jun-03	2104378	YELLOW PERCH	5
NETTING FYKE NET	15-Jun-03	2104379	YELLOW PERCH	1
NETTING FYKE NET	15-Jun-03	2104380	YELLOW PERCH	2
NETTING FYKE NET	15-Jun-03	2104381	YELLOW PERCH	2
NETTING FYKE NET	15-Jun-03	2104382	YELLOW PERCH	1
NETTING FYKE NET	15-Jun-03	2104383	YELLOW PERCH	1
NETTING FYKE NET	15-Jun-03	2107365	YELLOW PERCH	2
NETTING FYKE NET	15-Jun-03	2107370	YELLOW PERCH	1
NETTING FYKE NET	15-Jun-03	2107376	YELLOW PERCH	1
NETTING MINI FYKE NET	15-Jul-03	2115233	YELLOW PERCH	1
NETTING MINI FYKE NET	15-Jul-03	2115281	YELLOW PERCH	1
NETTING MINI FYKE NET	16-Jul-03	2115304	YELLOW PERCH	1
NETTING MINI FYKE NET	16-Jul-03	2115305	YELLOW PERCH	1
NETTING MINI FYKE NET	16-Jul-03	2115316	YELLOW PERCH	1
ELECTROFIS BOOM SHOCKEI	1-Oct-03	2149576	YELLOW PERCH	1
ELECTROFIS BOOM SHOCKEI	1-Oct-03	2149577	YELLOW PERCH	1
ELECTROFIS BOOM SHOCKEI	1-Oct-03	2149578	YELLOW PERCH	1
ELECTROFIS BOOM SHOCKEI	1-Oct-03	2149579	YELLOW PERCH	1
ELECTROFIS BOOM SHOCKEI	6-Oct-04	2724775	YELLOW PERCH	3
ELECTROFIS BOOM SHOCKEI	6-Oct-04	2724776	YELLOW PERCH	3
ELECTROFIS BOOM SHOCKEI	6-Oct-04	2724777	YELLOW PERCH	3
NETTING FYKE NET	11-Apr-05	4002772	YELLOW PERCH	1
OTHER HOOK AND LINE	11-May-05	2740676	YELLOW PERCH	3
OTHER HOOK AND LINE	11-May-05	2740677	YELLOW PERCH	1
ELECTROFIS BOOM SHOCKEI	4-Oct-07	6057471	YELLOW PERCH	1
ELECTROFIS BOOM SHOCKEI	4-Oct-07	6057472	YELLOW PERCH	2
ELECTROFIS BOOM SHOCKEI	4-Oct-07	6057473	YELLOW PERCH	1
ELECTROFIS BOOM SHOCKEI	4-Oct-07	6057474	YELLOW PERCH	1
ELECTROFIS BOOM SHOCKEI	4-Oct-07	6057475	YELLOW PERCH	1
ELECTROFIS BOOM SHOCKEI	4-Oct-07	6057476	YELLOW PERCH	2
ELECTROFIS BOOM SHOCKEI	4-Oct-07	6057477	YELLOW PERCH	2
ELECTROFIS BOOM SHOCKEI	4-Oct-07	6057478	YELLOW PERCH	1
ELECTROFIS BOOM SHOCKEI	4-Oct-07	6057479	YELLOW PERCH	1
ELECTROFIS BOOM SHOCKEI	4-Oct-07	6057480	YELLOW PERCH	1
ELECTROFIS BOOM SHOCKEI	4-Oct-07	6057481	YELLOW PERCH	1

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ELECTROFI: BOOM SHOCKEI	4-Oct-07	6057597	YELLOW PERCH	1
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NETTING FYKE NET	24-Apr-08	6774340	YELLOW PERCH	1
NETTING FYKE NET	24-Apr-08	6774341	YELLOW PERCH	1
NETTING FYKE NET	24-Apr-08	6774342	YELLOW PERCH	1
NETTING FYKE NET	24-Apr-08	6774343	YELLOW PERCH	1
NETTING FYKE NET	24-Apr-08	6774344	YELLOW PERCH	4
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NETTING FYKE NET	24-Apr-08	6774346	YELLOW PERCH	3
NETTING FYKE NET	24-Apr-08	6774347	YELLOW PERCH	4
NETTING FYKE NET	24-Apr-08	6774348	YELLOW PERCH	1
NETTING FYKE NET	24-Apr-08	6774349	YELLOW PERCH	6
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NETTING FYKE NET	24-Apr-08	6774353	YELLOW PERCH	4
NETTING FYKE NET	24-Apr-08	6774354	YELLOW PERCH	3
NETTING FYKE NET	24-Apr-08	6774355	YELLOW PERCH	5
NETTING FYKE NET	24-Apr-08	6774356	YELLOW PERCH	3
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NETTING FYKE NET	24-Apr-08	6774358	YELLOW PERCH	2
NETTING FYKE NET	24-Apr-08	6774359	YELLOW PERCH	2
NETTING FYKE NET	24-Apr-08	6774360	YELLOW PERCH	3
NETTING FYKE NET	24-Apr-08	6774361	YELLOW PERCH	3
NETTING FYKE NET	24-Apr-08	6774362	YELLOW PERCH	5
NETTING FYKE NET	24-Apr-08	6774363	YELLOW PERCH	2
NETTING FYKE NET	24-Apr-08	6774364	YELLOW PERCH	4
NETTING FYKE NET	24-Apr-08	6774365	YELLOW PERCH	2
NETTING FYKE NET	24-Apr-08	6774366	YELLOW PERCH	2
NETTING FYKE NET	24-Apr-08	6774367	YELLOW PERCH	3
NETTING FYKE NET	24-Apr-08	6774368	YELLOW PERCH	1
NETTING FYKE NET	24-Apr-08	6774369	YELLOW PERCH	2
NETTING FYKE NET	24-Apr-08	6774370	YELLOW PERCH	3
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NETTING FYKE NET	25-Apr-08	6774514	YELLOW PERCH	2
NETTING FYKE NET	25-Apr-08	6774515	YELLOW PERCH	2
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NETTING FYKE NET	25-Apr-08	6774519	YELLOW PERCH	4
NETTING FYKE NET	25-Apr-08	6774520	YELLOW PERCH	3
NETTING FYKE NET	25-Apr-08	6774521	YELLOW PERCH	3
NETTING FYKE NET	25-Apr-08	6774522	YELLOW PERCH	7
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NETTING	FYKE NET	25-Apr-08	6774524	YELLOW PERCH	5
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NETTING	FYKE NET	25-Apr-08	6774527	YELLOW PERCH	7
NETTING	FYKE NET	25-Apr-08	6774528	YELLOW PERCH	2
NETTING	FYKE NET	25-Apr-08	6774529	YELLOW PERCH	5
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NETTING	FYKE NET	25-Apr-08	6774533	YELLOW PERCH	2
NETTING	FYKE NET	25-Apr-08	6774534	YELLOW PERCH	3
NETTING	FYKE NET	25-Apr-08	6774535	YELLOW PERCH	1
NETTING	FYKE NET	25-Apr-08	6774536	YELLOW PERCH	1
NETTING	FYKE NET	25-Apr-08	6774537	YELLOW PERCH	7
NETTING	FYKE NET	25-Apr-08	6774538	YELLOW PERCH	1
NETTING	FYKE NET	25-Apr-08	6774539	YELLOW PERCH	3
NETTING	FYKE NET	25-Apr-08	6774540	YELLOW PERCH	3
NETTING	FYKE NET	25-Apr-08	6774541	YELLOW PERCH	2
NETTING	FYKE NET	25-Apr-08	6774542	YELLOW PERCH	2
NETTING	FYKE NET	25-Apr-08	6774543	YELLOW PERCH	1
NETTING	FYKE NET	25-Apr-08	6774544	YELLOW PERCH	1
NETTING	FYKE NET	25-Apr-08	6774545	YELLOW PERCH	2
NETTING	FYKE NET	25-Apr-08	6774546	YELLOW PERCH	4
NETTING	FYKE NET	25-Apr-08	6774547	YELLOW PERCH	2
NETTING	FYKE NET	25-Apr-08	6774548	YELLOW PERCH	1
NETTING	FYKE NET	25-Apr-08	6774549	YELLOW PERCH	1
NETTING	FYKE NET	25-Apr-08	6774550	YELLOW PERCH	1
NETTING	FYKE NET	25-Apr-08	6774551	YELLOW PERCH	1
NETTING	FYKE NET	25-Apr-08	6774552	YELLOW PERCH	1
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ELECTROFI!	BOOM SHOCKEI	9-Jun-08	6783320	YELLOW PERCH	1
ELECTROFI!	BOOM SHOCKEI	9-Jun-08	6783321	YELLOW PERCH	1
ELECTROFI!	BOOM SHOCKEI	9-Jun-08	6783322	YELLOW PERCH	1
ELECTROFI!	BOOM SHOCKEI	9-Jun-08	6783323	YELLOW PERCH	1
ELECTROFI!	BOOM SHOCKEI	9-Jun-08	6783324	YELLOW PERCH	1
ELECTROFI!	BOOM SHOCKEI	9-Jun-08	6783325	YELLOW PERCH	1
ELECTROFI!	BOOM SHOCKEI	9-Jun-08	6783326	YELLOW PERCH	1
ELECTROFI!	BOOM SHOCKEI	9-Jun-08	6783327	YELLOW PERCH	1
ELECTROFI!	BOOM SHOCKEI	9-Jun-08	6783328	YELLOW PERCH	2
ELECTROFI!	BOOM SHOCKEI	9-Jun-08	6783329	YELLOW PERCH	1
ELECTROFI!	BOOM SHOCKEI	9-Jun-08	6783659	YELLOW PERCH	5
ELECTROFI!	BOOM SHOCKEI	9-Jun-08	6783660	YELLOW PERCH	1
ELECTROFI!	BOOM SHOCKEI	9-Jun-08	6783661	YELLOW PERCH	1
ELECTROFI!	BOOM SHOCKEI	9-Jun-08	6783662	YELLOW PERCH	1
ELECTROFI!	BOOM SHOCKEI	9-Jun-08	6783663	YELLOW PERCH	1
ELECTROFI!	BOOM SHOCKEI	9-Jun-08	6783664	YELLOW PERCH	1
ELECTROFI!	BOOM SHOCKEI	9-Jun-08	6783665	YELLOW PERCH	1
NETTING	FYKE NET	23-Apr-14	10379737	YELLOW PERCH	1
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NETTING	FYKE NET	23-Apr-14	10379783	YELLOW PERCH	1
NETTING	FYKE NET	23-Apr-14	10379784	YELLOW PERCH	1
NETTING	FYKE NET	23-Apr-14	10379786	YELLOW PERCH	1
NETTING	FYKE NET	23-Apr-14	10379787	YELLOW PERCH	1
NETTING	FYKE NET	23-Apr-14	10379793	YELLOW PERCH	1
NETTING	FYKE NET	23-Apr-14	10379794	YELLOW PERCH	1
NETTING	FYKE NET	23-Apr-14	10379796	YELLOW PERCH	1
NETTING	FYKE NET	23-Apr-14	10379797	YELLOW PERCH	1
NETTING	FYKE NET	23-Apr-14	10379798	YELLOW PERCH	1
NETTING	FYKE NET	23-Apr-14	10379799	YELLOW PERCH	1
NETTING	FYKE NET	23-Apr-14	10379800	YELLOW PERCH	1
NETTING	FYKE NET	23-Apr-14	10379801	YELLOW PERCH	1







**APPENDIX E-12**

**WDNR Namekagon River Fish Data Downstream of Hayward Dam**



**APPENDIX E-13      WDNR Lake Hayward 2022 Fish Survey Summary**



# 2022 SPRING FISHERIES SURVEY SUMMARY

## LAKE HAYWARD, SAWYER COUNTY

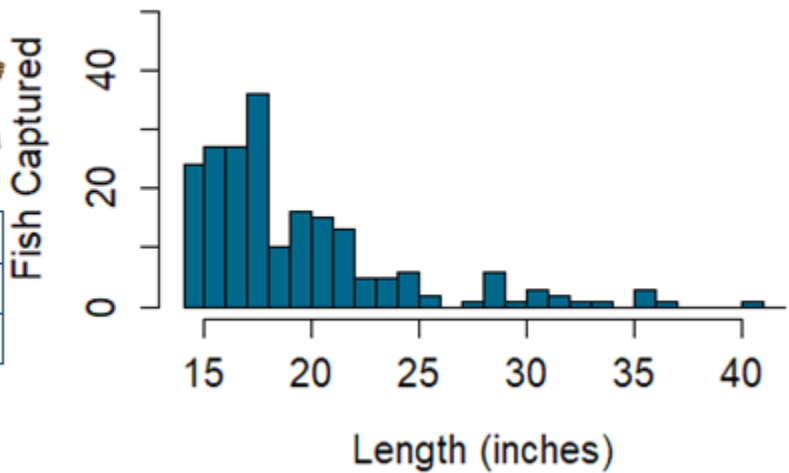
Report by Max Wolter

The Wisconsin Department of Natural Resources (DNR) Hayward Fisheries Management Team conducted a fyke netting survey on Lake Hayward (a.k.a. Hayward Lake) from April 17-19, 2022. The primary species targeted were Northern Pike and Walleye, but useful data were also gathered on Black Crappies and Yellow Perch. Up to eight nets were set overnight for two nights, which resulted in 16 total net-nights of effort. An electrofishing survey was conducted on June 1, 2022 to target Largemouth Bass and Bluegill and included 2.5 miles of shoreline. Quality, preferred and memorable sizes referenced in this summary are based on standard proportions of world record lengths developed for each species by the American Fisheries Society.

### Northern Pike



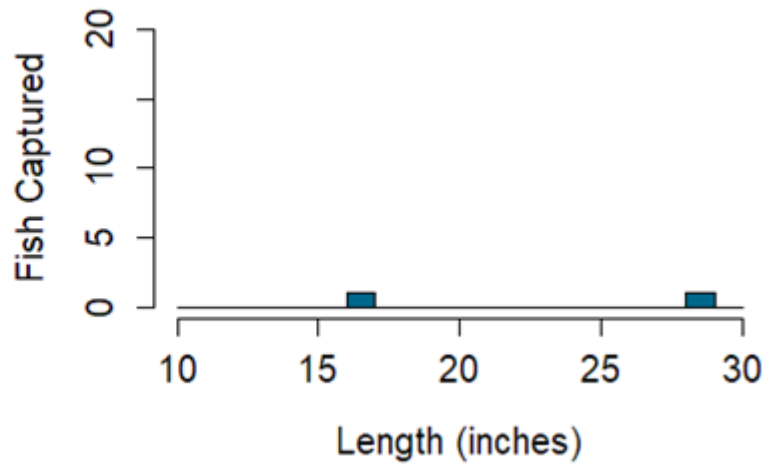
Captured 15 per net-night $\geq$ 14 inches	
Quality Size $\geq$ 21"	25%
Preferred Size $\geq$ 28"	9%



### Walleye (Adult)



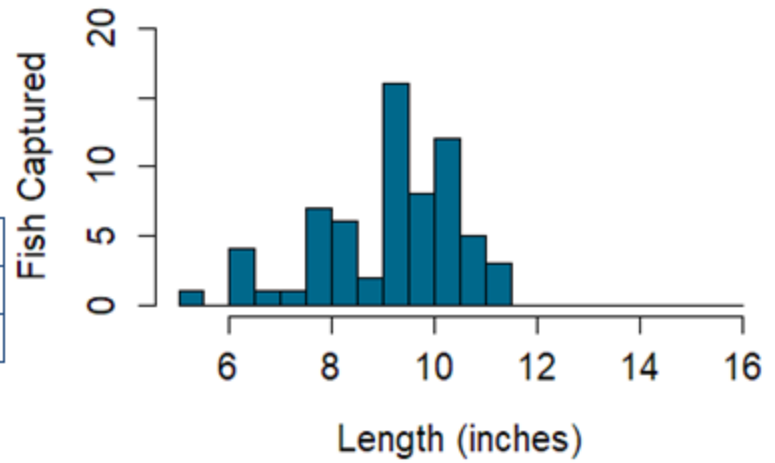
Captured 0.2 per net-night $\geq 10$ inches	
Quality Size $\geq 15''$	100%
Preferred Size $\geq 20''$	100%



### Black Crappie



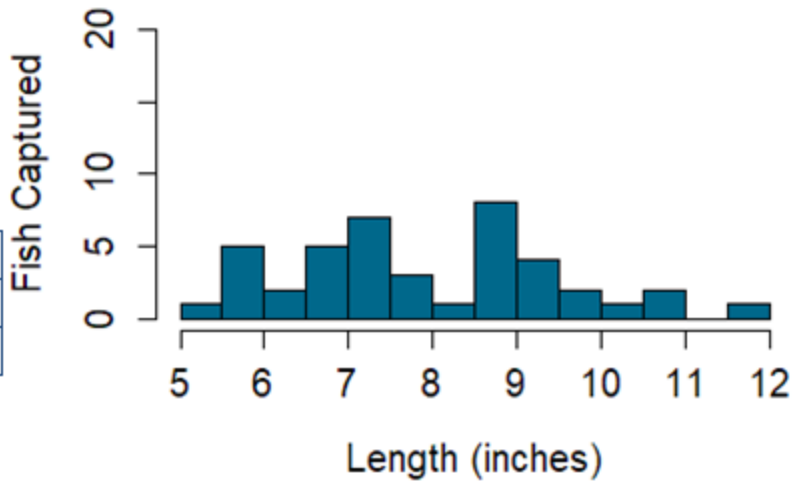
Captured 4.1 per net-night $\geq 5$ inches	
Quality Size $\geq 8''$	78%
Preferred Size $\geq 10''$	30%



### Yellow Perch



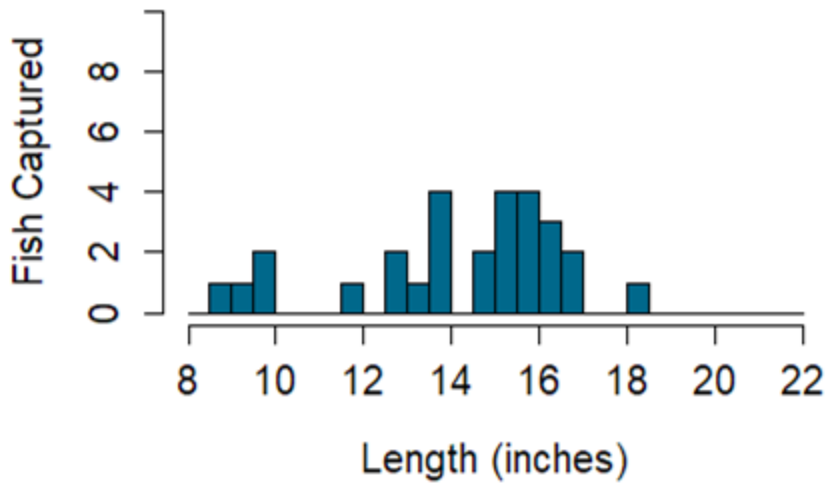
Captured 2.6 per net-night $\geq 5$ inches	
Quality Size $\geq 8''$	45%
Preferred Size $\geq 10''$	10%



### Largemouth Bass



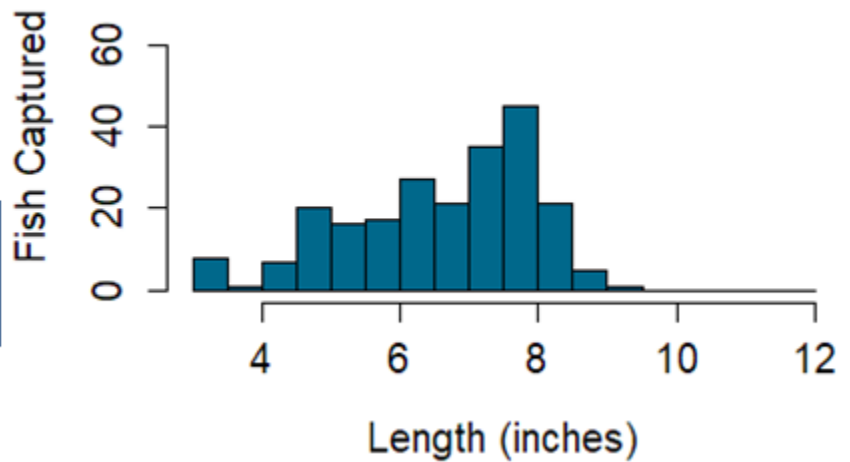
Captured 12 per mile $\geq$ 8 inches	
Quality Size $\geq$ 12"	82%
Preferred Size $\geq$ 15"	50%



### Bluegill



Captured 228 per mile $\geq$ 3 inches	
Quality Size $\geq$ 6"	69%
Preferred Size $\geq$ 8"	12%



## SUMMARY OF RESULTS

This netting survey was well-timed for Walleye and Northern Pike, capturing the start of spawning activity for each species. Nets were set immediately after ice out and covered a variety of habitat types. Water temperature was below the ideal range for capturing Black Crappies and Yellow Perch, but the results are still included in this report. The electrofishing survey was also well-timed for target species. Lake Hayward is a “Complex-Riverine” lake based on the DNR Fisheries lake class system. “Complex” refers to the number of gamefish present in the fish community. Riverine systems present challenges for both surveying and managing populations since fish can move from lake to river habitats. This report will compare catch rates from Lake Hayward in 2022 to other lakes of this same type.



## NORTHERN PIKE

Northern Pike catch rates (15 per net night) were exceptionally high (99th percentile) compared to lakes in the same class as Lake Hayward. Pike were generally small (75% were under 21 inches), but the top-end size was excellent. A 40-inch pike was captured in the survey, along with several others over 35 inches. Pike anglers in Lake Hayward should expect action from a lot of smaller pike, with a chance for a true trophy. There is no minimum length limit for Northern Pike, and anglers may harvest up to five per day. Harvest of smaller pike is encouraged.



DNR fisheries technician, Evan Sniadajewski, with a 40-inch Northern Pike from Lake Hayward. Northern Pike are abundant in this lake, but some reach excellent size. Photo courtesy of Max Wolter

## WALLEYE

Only two Walleye were captured in this survey, indicating a low abundance of the species. This matches previous surveys of Lake Hayward. The Walleye population is supported almost exclusively through stocking. Very little natural reproduction has been observed. However, stocked Walleye may not stay in Lake Hayward. Walleye have opportunities to leave Lake Hayward both upstream into Namekagon River and downstream over the dam. The Walleye regulation on Lake Hayward is a 15-inch minimum length limit, a 20-24-inch protected slot with only one fish over 24 inches, and a three fish daily bag limit.

## MUSKELLUNGE

Muskellunge are present in Lake Hayward, and trophy-sized fish have been caught in past surveys and local Muskellunge tournaments. No Muskellunge were captured during this survey. Muskellunge may not have been shallow enough to be captured due to very cold water temperatures at the time of the survey. Future efforts will try to document the status of this population. Muskellunge are stocked periodically into Lake Hayward, but some may move into the river, like Walleye.

## BLACK CRAPPIE

The Black Crappie catch rate was below average compared to lakes in the same class. Survey timing may have played a minor role in the catch rate, and higher rates may have been observed with a later netting survey. Still, Black Crappies in Lake Hayward have nice size, with about one in three being over 10 inches. The daily bag limit for panfish on Lake Hayward is 25 (for all panfish species combined).

## YELLOW PERCH

Yellow Perch catch rate was about average compared to other lakes in this class. Yellow Perch in Lake Hayward have good size, with a large percentage of the survey catch being over 8 inches. The daily bag limit for panfish on Lake Hayward is 25 (for all panfish species combined).

## LARGEMOUTH BASS

The catch rate for Largemouth Bass in Lake Hayward was close to average compared to lakes of the same class. Half of the Largemouth Bass captured in the survey were over 15 inches, offering a quality bass fishing opportunity for anglers focused more on size than catch rate. There is a 14-inch minimum length limit for bass and a five-fish daily bag limit. Smallmouth Bass are present in Lake Hayward, but none were captured in this survey. Smallmouth Bass likely prefer the riverine areas upstream from Lake Hayward more than the lake itself.

## BLUEGILL

The Bluegill catch rate was above average compared to other lakes in this class. Despite being relatively abundant, the size of Bluegill was excellent. More than 10% of Bluegill captured were over 8 inches long. Lake Hayward has a strong reputation as a Bluegill fishery, both during open water and through the ice. The daily bag limit for panfish on Lake Hayward is 25 (for all panfish species combined).

Other species present include: White Sucker, Northern Hogsucker, Pumpkinseed Sunfish, Rock Bass, several species of redhorse, Brown Trout and various minnow species.

Survey Crew: Max Wolter, Scott Braden and Evan Sniadajewski

*Reviewed and approved by Aaron Cole*

**APPENDIX E-14      WDNR Hayward Project Fish Stocking Data**

Stocking Year	Source	Stocked Waterbody Name	Local Waterbody Name	Location	Species	Strain(Stock)	Age Class	Number Fish Stocked	Avg Fish Length(IN)	
2019	DNR	HAYWARD LAKE		41N-9W-27	MUSKELLUNGE	UPPER CHIPPEWA RIVER	LARGE FINGERLING	100	12.6	
2014	DNR	HAYWARD LAKE		41N-9W-27	MUSKELLUNGE	UPPER CHIPPEWA RIVER	LARGE FINGERLING	253	10.7	
2012	DNR	HAYWARD LAKE		41N-9W-27	MUSKELLUNGE	UPPER CHIPPEWA RIVER	LARGE FINGERLING	247	12.8	
2010	DNR	HAYWARD LAKE		41N-9W-27	MUSKELLUNGE	UPPER WISCONSIN RIVER	LARGE FINGERLING	185	13.1	
2008	DNR	HAYWARD LAKE		41N-9W-27	MUSKELLUNGE	UPPER CHIPPEWA RIVER	LARGE FINGERLING	247	10.9	
2006	DNR	HAYWARD LAKE		41N-9W-27	MUSKELLUNGE	UPPER CHIPPEWA RIVER	LARGE FINGERLING	136	12.4	
2004	DNR	HAYWARD LAKE		41N-9W-27	MUSKELLUNGE	UNSPECIFIED	LARGE FINGERLING	247	11	
2002	DNR	HAYWARD LAKE		41N-9W-27	MUSKELLUNGE	UNSPECIFIED	LARGE FINGERLING	247	11.4	
2000	DNR	HAYWARD LAKE		41N-9W-27	MUSKELLUNGE	UNSPECIFIED	LARGE FINGERLING	124	12	
1998	DNR	HAYWARD LAKE		41N-9W-27	MUSKELLUNGE	UNSPECIFIED	LARGE FINGERLING	247	11.7	
1996	DNR	HAYWARD LAKE		41N-9W-27	MUSKELLUNGE	UNSPECIFIED	FINGERLING	247	10.7	
1993	DNR	HAYWARD LAKE		41N-9W-27	MUSKELLUNGE	UNSPECIFIED	FINGERLING	247	12	
1992	DNR	HAYWARD LAKE		41N-9W-27	MUSKELLUNGE	UNSPECIFIED	FINGERLING	347	10	
1991	DNR	HAYWARD LAKE		41N-9W-27	MUSKELLUNGE	UNSPECIFIED	FINGERLING	200	11	
1990	DNR	HAYWARD LAKE		41N-9W-27	MUSKELLUNGE	UNSPECIFIED	FINGERLING	200	11	
1988	DNR	HAYWARD LAKE		41N-9W-27	MUSKELLUNGE	UNSPECIFIED	FINGERLING	200	9	
1987	DNR	HAYWARD LAKE		41N-9W-27	MUSKELLUNGE	UNSPECIFIED	FINGERLING	247	9	
1986	DNR	HAYWARD LAKE		41N-9W-27	MUSKELLUNGE	UNSPECIFIED	FINGERLING	894	10	
1985	DNR	HAYWARD LAKE		41N-9W-27	MUSKELLUNGE	UNSPECIFIED	FINGERLING	247	9	
1983	DNR	HAYWARD LAKE		41N-9W-27	MUSKELLUNGE	UNSPECIFIED	FINGERLING	200	9	
1979	DNR	HAYWARD LAKE		41N-9W-27	MUSKELLUNGE	UNSPECIFIED	FINGERLING	300	13	total 5362 muskie
2003	DNR	HAYWARD LAKE		41N-9W-27	PANFISH	UNSPECIFIED	ADULT (FIELD TRANSFER)	250	6.5	unsp 250 panfish
2022	DNR	HAYWARD LAKE		41N-9W-27	WALLEYE	MISSISSIPPI HEADWATERS	SMALL FINGERLING	6678	1.7	
2021	DNR	HAYWARD LAKE		41N-9W-27	WALLEYE	MISSISSIPPI HEADWATERS	SMALL FINGERLING	6995	1.5	
2015	DNR	HAYWARD LAKE		41N-9W-27	WALLEYE	MISSISSIPPI HEADWATERS	SMALL FINGERLING	18542	1.4	
2004	DNR	HAYWARD LAKE		41N-9W-27	WALLEYE	MISSISSIPPI HEADWATERS	LARGE FINGERLING	2460	6.8	
2003	DNR	HAYWARD LAKE		41N-9W-27	WALLEYE	MISSISSIPPI HEADWATERS	LARGE FINGERLING	2470	7.7	
2001	DNR	HAYWARD LAKE		41N-9W-27	WALLEYE	UNSPECIFIED	LARGE FINGERLING	2470	6	
2000	DNR	HAYWARD LAKE		41N-9W-27	WALLEYE	UNSPECIFIED	LARGE FINGERLING	2470	7.5	
1999	DNR	HAYWARD LAKE		41N-9W-27	WALLEYE	UNSPECIFIED	LARGE FINGERLING	4940	6.4	
1998	DNR	HAYWARD LAKE		41N-9W-27	WALLEYE	UNSPECIFIED	LARGE FINGERLING	2470	8.3	
1997	DNR	HAYWARD LAKE		41N-9W-27	WALLEYE	UNSPECIFIED	LARGE FINGERLING	2460	7.9	
1996	DNR	HAYWARD LAKE		41N-9W-27	WALLEYE	UNSPECIFIED	FINGERLING	2470	7.4	
1995	DNR	HAYWARD LAKE		41N-9W-27	WALLEYE	UNSPECIFIED	FINGERLING	2520	6.15	
1994	DNR	HAYWARD LAKE		41N-9W-27	WALLEYE	UNSPECIFIED	FINGERLING	12460	2	
1992	DNR	HAYWARD LAKE		41N-9W-27	WALLEYE	UNSPECIFIED	FINGERLING	14880	2	
1990	DNR	HAYWARD LAKE		41N-9W-27	WALLEYE	UNSPECIFIED	FINGERLING	10176	3	
1988	DNR	HAYWARD LAKE		41N-9W-27	WALLEYE	UNSPECIFIED	FINGERLING	9982	3	
1986	DNR	HAYWARD LAKE		41N-9W-27	WALLEYE	UNSPECIFIED	FINGERLING	11046	3	
1983	DNR	HAYWARD LAKE		41N-9W-27	WALLEYE	UNSPECIFIED	FINGERLING	10215	3	
1982	DNR	HAYWARD LAKE		41N-9W-27	WALLEYE	UNSPECIFIED	FINGERLING	10325	3	136029 walleye

**APPENDIX E-15      Hayward Project Mussel Study Report**

**FRESHWATER MUSSEL STUDY FOR  
THE HAYWARD HYDROELECTRIC  
PROJECT**  
FERC No. 2417

Prepared for:



1702 Lawrence Drive  
De Pere, WI 54115

**Project No.:** 16082  
**Date:** 1/25/2023

Prepared by:



5070 Stow Rd.  
Stow, OH 44224  
800-940-4025  
[www.EnviroScienceInc.com](http://www.EnviroScienceInc.com)

Freshwater Mussel Study for the Hayward Hydroelectric  
Project

Prepared for: Mr. Shawn Puzen  
Mead & Hunt

Initial Study Report

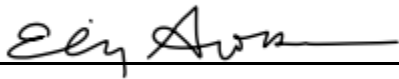
Document Date: 1/25/2023

Project No.: 16082

### Authorization for Release

*The analyses, opinions, and conclusions in this document are based entirely on EnviroScience's unbiased, professional judgment. EnviroScience's compensation is not in any way contingent on any action or event resulting from this study.*

*To the best of their knowledge, the undersigned attest that this document and the information contained herein are accurate and conform to EnviroScience's internal Quality Assurance standards.*



---

Emily Grossman  
Senior Scientist | Field Manager



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Becca Winterringer  
Senior Scientist | Project Manager

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## **ACKNOWLEDGEMENTS**

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Xcel Energy provided funding for the project through Mead & Hunt. Mr. Shawn Puzen was the point of contact for Mead & Hunt, and Mr. Matthew Miller was the point of contact for Xcel Energy. The project manager for EnviroScience, Inc. was Ms. Becca Winterringer. Wisconsin permitted malacologist Ms. Emily Grossman led the survey effort. Also assisting with the survey effort were Mr. Robert Williams, Mr. Ben Ebert, Mr. Paul Moreno, and Mr. Matt Gilkay. Ms. Grossman authored the report, which was reviewed by Ms. Winterringer and Ms. Melissa Vaccarino.

## 1.0 INTRODUCTION

---

EnviroScience, Inc. was contracted by Mead & Hunt to perform freshwater mussel studies at the Hayward Hydroelectric Project (Project) in Sawyer County, Wisconsin. The Project is located on the Namekagon River in Hayward, Wisconsin (Figure 1). Northern States Power Company – Wisconsin, a Wisconsin corporation (NSPW or Licensee/Applicant), operates and maintains the Project under a Federal Energy Regulatory Commission (FERC) license, which expires in November 2025. NSPW must submit a final license application no later than November 30, 2023, to obtain a subsequent license for continued operation of the Project (FERC Project No. 2417).

The Namekagon River is a tributary of the St. Croix River and harbors a diverse mussel assemblage. Thirteen (13) species have been reported from the Namekagon River in Sawyer County, including one Wisconsin species of special concern (Elktoe [*Alasmidonta marginata*]); however, all observations are dated on or before 1995. No recent survey information was available at the time of this report (Table 1; WDNR, 2018). No federally listed threatened or endangered species are known to occur in this reach of the Namekagon River (Table 1).

Freshwater mussels residing near the Project may be affected by continued operation of the facility. Flow modifications upstream or downstream of the Project may alter habitat for mussels, and mussels occurring in the reservoir may become stranded during drawdown events. The Wisconsin Department of Natural Resources (WDNR) requested that a mussel survey be completed as part of the FERC relicensing process. The objective of the survey was to characterize mussel habitat and determine mussel abundance and species richness in the Project vicinity. Data collected from this survey provides information on the baseline conditions for mussel density, diversity, and habitat in the Project area.

## 2.0 METHODS

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Mussel survey methods were developed in accordance with the 2015 WDNR Guidelines for Sampling Freshwater Mussels in Wadeable Streams (Guidelines; Piette, 2015). Mussel studies included field surveys of two riverine reaches, one above and one below the Hayward Dam. Surveys were led by a Wisconsin permitted malacologist and were conducted according to the survey plan approved by WDNR (Appendix A).

### 2.1 RIVERINE SURVEYS

Mussel studies were conducted within riverine habitat near the Project. Reach 1 (upstream reach) began approximately 430 meters (m) upstream of the State Highway 77 bridge and extended 1,000 m upstream. Reach 2 (downstream reach) began at the canoe portage put-in (near the intersection of S. 1<sup>st</sup> St. and S. Florida Ave.) downstream of the tailrace and extended 1,000 m downstream (Figure 1).

Within each reach, a series of transects extending bank to bank was established every 100 m, creating a series of 10 possible transects per reach. Transects were numbered sequentially from downstream to upstream, and a random number function in Microsoft Excel was used to select five transects for the survey within each reach.

Searches along each transect were conducted in 10-m segments and extended 0.5 m on each side of the transect. Each transect was evaluated for mussels using an adaptive sampling approach. First, a rapid visual search was conducted and entailed an initial search of 0.2 minutes

per m<sup>2</sup> (min/m<sup>2</sup>) along each 10-m segment to determine if mussels were present (living or shell material). If mussels were present in a segment, a semi-quantitative search was triggered and the search time was extended to 1 min/m<sup>2</sup>. If no mussels or evidence of mussels was observed in the rapid visual search, no additional effort was expended in that segment. During the semi-quantitative search, divers visually searched, probed the substrate, and turned over rocks to detect small, burrowed mussels.

General stream conditions and morphology were recorded within the study area. Water depth and river bottom substrate composition using the Wentworth Scale (% observed of silt, sand, gravel, etc.; Wentworth, 1922) were recorded for each 10-m transect segment. In addition, a general description of mussel habitat characteristics in the Project boundary was recorded. The Aquatic Habitat Classification on the St. Croix National Scenic Riverway (Wan et al., 2007) was referenced for habitat and substrate classification.

## **2.2 DATA AND MUSSEL HANDLING**

Live mussels were kept submersed in ambient river water and kept cool and moist during processing. All live mussels were identified to species, counted, measured (length in millimeters), aged (external annuli count), and sexed (sexually dimorphic species only) by the team malacologist. Dead shell specimens were scored as fresh dead (dead less than one year, lustrous nacre), weathered dead (dead one to many years; chalky nacre, fragmented, and worn periostracum), or subfossil (dead many years to many decades; severely worn and fragmented). Detailed digital images of the study area and representative mussel species were recorded and reported. Datasheets were populated and summarized per the Mussel Survey Summary Tables provided in Appendix 2 of the mussel study plan provided by Mead & Hunt. Mussel taxonomy followed the names presented by Williams et al., 2017.

## **3.0 RESULTS AND DISCUSSION**

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The mussel survey was conducted on June 19, 2022. Discharge on the Namekagon River at Leonards, WI (USGS 05331833) was 117 cubic feet per second. Maximum visibility was greater than 1 m, and the water temperature was approximately 18.9° Celsius (66° Fahrenheit). Photographs of sampling sites and species encountered are provided in Appendix B.

### **3.1 REACH 1 (UPSTREAM)**

The upstream portion of Reach 1 was riverine and consisted of a shallow run with moderate current velocity. The lower portion of Reach 1 was located at the confluence with Hayward Lake where the river was wider and current velocity was low. The surrounding land was primarily residential areas (29%) and forest (34%; USEPA, 2022a). Submerged vegetation was present in small amounts near the banks in the upstream portion of the reach but was more abundant in the downstream portion.

Transects 1, 2, 6, 7, and 8 were randomly selected for sampling in Reach 1. Transects 6, 7, and 8 were the upstream-most transects sampled and were within the shallow run habitat. Substrate along all three transects consisted of a mix of cobble, gravel, and sand and most closely aligned with substrate composition code 7 (abundant fine substrate, gravel, pebbles, and cobbles) in Wan et al. (2007). Woody debris and submerged aquatic vegetation were also present in some transect segments. Water depth did not exceed 0.9 m (3 feet [ft]) along these transects (Table 2; Figure 2).

Habitat along Transects 1 and 2 differed from the upstream transects. Depth reached a maximum of 1.2 m (4 ft) in the thalweg (deepest course along the length of the reach) along the right descending bank but did not exceed 0.9 m (3 ft) in most segments. Substrate in the thalweg contained mixed sand, clay, and silt. Transect 2 also spanned a shallow muddy area between the thalweg and the left descending bank which consisted almost entirely of silt, clay, and submersed aquatic vegetation (Table 2; Figure 2). Substrate along Transects 1 and 2 most closely corresponded with substrate composition code 1 (abundant fine substrate) in Wan et al. (2007).

No live mussels were collected in Reach 1. Weathered dead or subfossil shells of Threeridge (*Amblema plicata*), Wabash Pigtoe (*Fusconaia flava*), and Fatmucket (*Lampsilis siliquoidea*) were collected from Transect 6, and shells of the same species were observed atop the substrate while walking between transects (Table 3). The invasive Chinese Mystery Snail (*Cipangopaludina chinensis*) was abundant in both the coarse substrate observed from Transects 6 through 8 and the soft clay and silt substrate from Transects 1 and 2.

### 3.2 REACH 2 (DOWNSTREAM)

Reach 2 primarily consisted of a shallow glide/run with heterogeneous substrate and moderate current velocity. The streambanks were low and gradually sloping. While the riparian zones of both banks were forested throughout most of the reach (9%), surrounding land use was primarily commercial and residential (42%; USGS, 2022b). A series of wood piles spanned the width of the river near the upstream end of the reach.

Transects 2, 3, 4, 8, and 9 were randomly selected for sampling in Reach 2. Although some substrate variation was observed among the sampled transects, conditions were generally similar across all five. Substrate was comprised primarily of mixed cobble, gravel, and sand and most closely aligned with substrate composition code 7 (abundant fine substrate, gravel, pebbles, and cobbles) in Wan et al. (2007). Sand was generally more abundant near the banks while some transect segments featured small proportions of boulder, woody debris, and submerged vegetation. Maximum observed depth was 0.9 m (3 ft; Table 2; Figure 3).

A total of 373 live mussels of 10 species were collected in Reach 2 (Table 3). Mucket (*Actinonaias ligamentina*; 29.5%) and Fluted Shell (*Lasmigona costata*; 16.9%) were the most abundant species collected; Plain Pocketbook (*Lampsilis cardium*), Spike (*Eurynia dilatata*), Creeper (*Strophitus undulatus*), and Wabash Pigtoe (*Fusconaia flava*) were also commonly encountered. One Wisconsin species of special concern, Elktoe, was also present. Although species relative abundance varied somewhat among the transects, 7 of the 10 species were present on all five transects.

Mussel abundance was lowest along Transect 2, with only 37 individuals collected and ranged from 77 to 92 individuals in the remaining four transects. Surface density ranged from 1.23 mussels/m<sup>2</sup> on Transect 2 to 3.40 mussels/m<sup>2</sup> on Transect 3 and averaged 2.66 mussels/m<sup>2</sup> over all sampled transects (Table 3). Live mussels were present in all transect segments sampled except the left descending bank segments of Transects 2 and 4 (Figure 4).

Mussel community metrics for Reach 2 are summarized in Table 3. All but one individual had >5 external annuli; this may be due in part to the inherent bias of semi-quantitative sampling toward larger individuals. Simpson's diversity was 0.84 and Pielou's evenness was 0.34. The cumulative species curve suggests that additional species may be present in the reach. Based on the

trendline equation, 70 additional individuals would need to be collected to yield one additional species (Figure 5).

## **4.0 CONCLUSIONS**

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No live mussels were collected in Reach 1 upstream of Hayward Lake. The fine substrate observed in Transects 1 and 2 does not provide high-quality mussel habitat. The heterogeneous substrate and more moderate current velocity in Transects 6 – 8 may provide more suitable habitat, and relic shells were observed in this portion of the reach, suggesting that mussels may occur in low abundance in the upstream portion of Reach 1.

In contrast, a total of 373 live mussels of 10 species were collected in Reach 2, including one Wisconsin species of special concern. Mussels were present along all five sampled transects, and relic shells and live individuals were observed in the substrate while walking between transects as well. Habitat along the transects was characterized by heterogeneous substrate (cobble, gravel, sand) and moderate current velocity, and most of this reach appears to provide suitable habitat for mussels.

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Table 1. Mussel species reported from the Namekagon River in Sawyer County, Wisconsin.

Species	Common Name	Status <sup>1</sup>	Year of Observation <sup>2</sup>
<u>Pleurobemini</u>			
<i>Eurynia dilatata</i>	Spike		1987
<i>Fusconaia flava</i>	Wabash Pigtoe		1995
<i>Pleurobema sintoxia</i>	Round Pigtoe		1995
<u>Lampsilini</u>			
<i>Actinonaias ligamentina</i>	Mucket		1987
<i>Lampsilis cardium</i>	Plain Pocketbook		1987
<i>Lampsilis siliquoidea</i>	Fatmucket		1995
<i>Ligumia recta</i>	Black Sandshell		1987
<u>Anodontini</u>			
<i>Alasmidonta marginata</i>	Elktoe	SC/P	1987
<i>Anodontoides ferussacianus</i>	Cylindrical Papershell		1987
<i>Lasmigona compressa</i>	Creek Heelsplitter		1995
<i>Lasmigona costata</i>	Fluted Shell		1995
<i>Pyganodon grandis</i>	Giant Floater		1987
<i>Strophitus undulatus</i>	Creeper		1995
Total No. Species	13		

<sup>1</sup> SC/P = Wisconsin species of special concern (protected; WDNR, 2021)

<sup>2</sup> WDNR (2018)

Table 2. Habitat characteristics observed in Hayward riverine surveys, Namekagon River, 2022.

Reach	Transect/Segment	Depth (m)	Substrate Composition (%)											
			Bedrock	Boulder	Cobble	Gravel	Sand	Mud	Silt	LWD	Veg.	Shell	Detritus	
Reach 1 (US)	T1	0-10	0.61	0	0	0	30	40	0	10	10	10	0	0
	T1	10-20	0.91	0	10	10	0	40	0	40	0	0	0	0
	T1	20-30	0.91	0	0	0	0	0	70	20	0	10	0	0
	T1	30-40	0.91	0	0	0	0	0	80	15	0	5	0	0
	T1	40-50	0.91	0	0	0	0	0	60	20	0	20	0	0
	T1	50-60	1.22	0	0	0	0	20	0	30	10	40	0	0
	T1	60-70	1.22	0	0	0	10	40	0	20	0	30	0	0
	T1	70-80	0.91	0	0	0	0	20	0	70	0	10	0	0
Reach 1 (US)	T2	0-10	0.91	0	0	0	0	40	50	0	0	10	0	0
	T2	10-20	0.91	0	0	0	0	40	50	0	0	10	0	0
	T2	20-30	0.91	0	0	0	0	40	50	0	0	10	0	0
	T2	30-40	0.91	0	0	0	0	40	50	0	0	10	0	0
	T2	40-50	0.61	0	0	0	0	30	60	0	0	10	0	0
	T2	50-60	0.61	0	0	0	0	20	70	0	0	10	0	0
	T2	60-70	0.61	0	0	0	0	10	80	0	0	10	0	0
	T2	70-80	0.30	0	0	0	0	0	90	0	0	10	0	0
	T2	80-90	0.30	0	0	0	0	0	90	0	0	10	0	0
	T2	90-100	0.30	0	0	0	0	0	90	0	0	10	0	0
	T2	100-110	0.30	0	0	0	0	0	90	0	0	10	0	0
	T2	110-120	0.30	0	0	0	0	0	90	0	0	10	0	0
	T2	120-130	0.30	0	0	0	0	0	90	0	0	10	0	0
	T2	130-140	0.61	0	0	0	0	0	90	0	0	10	0	0
T2	140-150	0.61	0	0	0	0	0	50	0	0	50	0	0	
T2	150-160	0.61	0	0	0	0	0	80	0	0	20	0	0	
Reach 1 (US)	T6	0-10	0.30	0	5	30	20	40	0	0	5	0	0	0
	T6	10-20	0.91	0	0	20	40	20	0	0	20	0	0	0
	T6	20-30	0.91	0	0	0	30	50	0	0	0	20	0	0
	T6	30-40	0.91	0	0	20	20	30	0	0	0	30	0	0



Table 2. Habitat characteristics observed in Hayward riverine surveys, Namekagon River, 2022.

Reach	Transect/Segment	Depth (m)	Substrate Composition (%)											
			Bedrock	Boulder	Cobble	Gravel	Sand	Mud	Silt	LWD	Veg.	Shell	Detritus	
Reach 1 (US)	T7	0-10	0.46	0	0	30	40	20	0	0	10	0	0	0
	T7	10-20	0.76	0	0	20	30	50	0	0	0	0	0	0
	T7	20-30	0.91	0	0	10	50	40	0	0	0	0	0	0
	T7	30-35	0.30	0	0	10	50	40	0	0	0	0	0	0
Reach 1 (US)	T8	0-10	0.46	0	0	20	20	40	0	10	10	0	0	0
	T8	10-20	0.46	0	0	20	40	40	0	0	0	0	0	0
	T8	20-30	0.46	0	0	20	40	30	0	0	0	10	0	0
	T8	30-40	0.46	0	0	30	40	20	0	0	0	10	0	0
	T8	40-50	0.46	0	0	20	40	20	0	10	10	0	0	0
Reach 2 (DS)	T2	0-10	0.61	0	0	50	30	10	0	0	10	0	0	0
	T2	10-20	0.61	0	0	50	30	20	0	0	0	0	0	0
	T2	20-30	0.61	0	0	0	10	80	0	0	0	0	10	0
Reach 2 (DS)	T3	0-10	0.61	0	0	50	40	10	0	0	0	0	0	0
	T3	10-20	0.91	0	0	40	40	20	0	0	0	0	0	0
	T3	20-25	0.61	0	0	50	30	20	0	0	0	0	0	0
Reach 2 (DS)	T4	0-10	0.61	0	0	50	30	20	0	0	0	0	0	0
	T4	10-20	0.91	0	10	50	30	10	0	0	0	0	0	0
	T4	20-25	0.30	0	30	0	0	50	0	0	0	20	0	0
Reach 2 (DS)	T8	0-10	0.91	0	0	20	30	40	0	0	10	0	0	0
	T8	10-20	0.91	0	0	10	30	50	0	0	10	0	0	0
	T8	20-30	0.91	0	0	0	10	60	0	0	30	0	0	0
Reach 2 (DS)	T9	0-10	0.61	0	0	40	30	20	0	0	10	0	0	0
	T9	10-20	0.61	0	0	0	80	10	0	0	0	10	0	0
	T9	20-30	0.30	0	0	40	40	20	0	0	0	0	0	0

US = upstream; DS = downstream, LWD = large woody debris

Table 3. Summary of effort and mussels collected in Hayward riverine surveys, Namekagon River, 2022.

Species	Common Name	Reach 1 (Upstream)							Reach 2 (Downstream)					Total			
		T1	T2	T6	T7	T8	Total	%	T2	T3	T4	T8	T9	Total	%	Total	%
<u>Amblemini</u>																	
<i>Amblema plicata</i>	Threeridge	-	-	WD	-	-	WD	-	-	-	-	-	-	-	-	-	-
<u>Pleurobemini</u>																	
<i>Eurynia dilatata</i>	Spike	-	-	-	-	-	-	-	2	17	16	2	-	37	9.9	37	9.9
<i>Fusconaia flava</i>	Wabash Pigtoe	-	-	WD	-	-	WD	-	2	6	9	8	10	35	9.4	35	9.4
<u>Lampsilini</u>																	
<i>Actinonaias ligamentina</i>	Mucket	-	-	-	-	-	-	-	18	29	20	23	20	110	29.5	110	29.5
<i>Lampsilis cardium</i>	Plain Pocketbook	-	-	-	-	-	-	-	2	6	10	9	13	40	10.7	40	10.7
<i>Lampsilis siliquoidea</i>	Fatmucket	-	-	SF	-	-	SF	-	5	3	2	4	7	21	5.6	21	5.6
<i>Ligumia recta</i>	Black Sandshell	-	-	-	-	-	-	-	2	3	5	7	1	18	4.8	18	4.8
<u>Anodontini</u>																	
<i>Alasmidonta marginata</i>	Elktoe	-	-	-	-	-	-	-	2	1	5	1	1	10	2.7	10	2.7
<i>Lasmigona costata</i>	Fluted Shell	-	-	-	-	-	-	-	4	15	4	23	17	63	16.9	63	16.9
<i>Pyganodon grandis</i>	Giant Floater	-	-	-	-	-	-	-	-	-	1	1	-	2	0.5	2	0.5
<i>Strophitus undulatus</i>	Creper	-	-	-	-	-	-	-	-	5	5	14	13	37	9.9	37	9.9
Total Abundance		0	0	0	0	0	0	-	37	85	77	92	82	373	100.0	373	100.0
Live Species		0	0	0	0	0	0		8	9	10	10	8	10			
Effort (m <sup>2</sup> )		80	160	40	35	50	365		30	25	25	30	30	140		505	
Surface Density (no./m <sup>2</sup> )		0.00	0.00	0.00	0.00	0.00	0.00		1.23	3.40	3.08	3.07	2.73	2.66		0.739	
% ≤5 external annuli																	0.27
Simpson's Diversity																	0.84
Pielou's Evenness																	0.34

WD = weathered dead shell; SF = sub-fossil shell

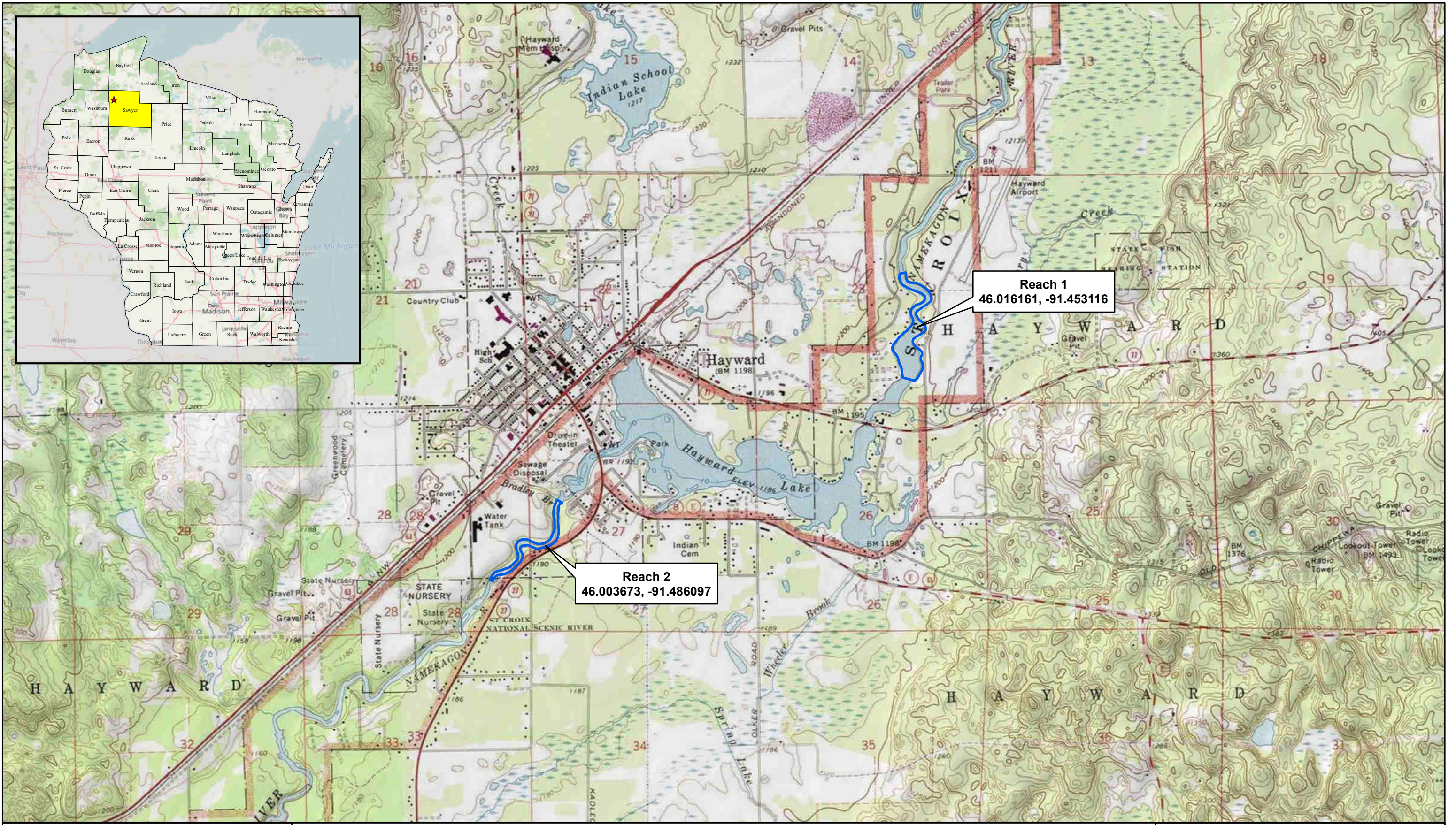
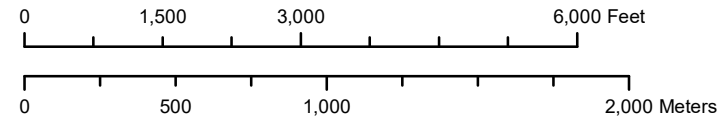


Figure 1. Hayward Project Location on USGS 7.5-minute Topographic Map of Hayward Quadrangle, Sawyer County, Wisconsin.

 Riverine Reach Study Area



Date: 8/24/2022 Path: P:\10\_Projects\MMead-and-Hunt\480M16082\_GIS\Map2\_Substrate\_R1\_Hayward.mxd

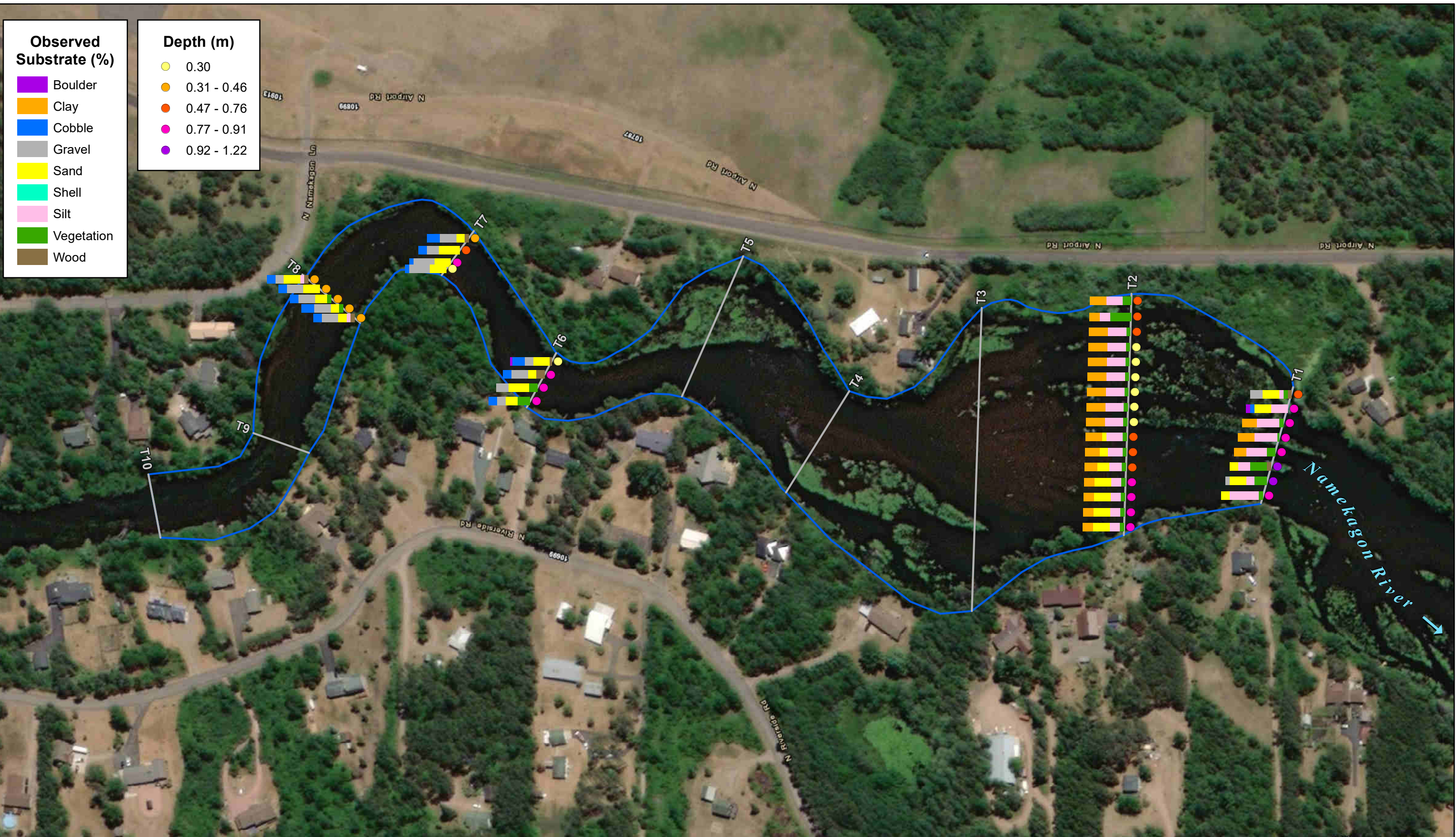
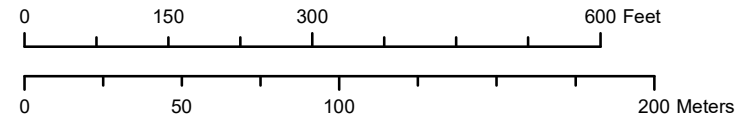
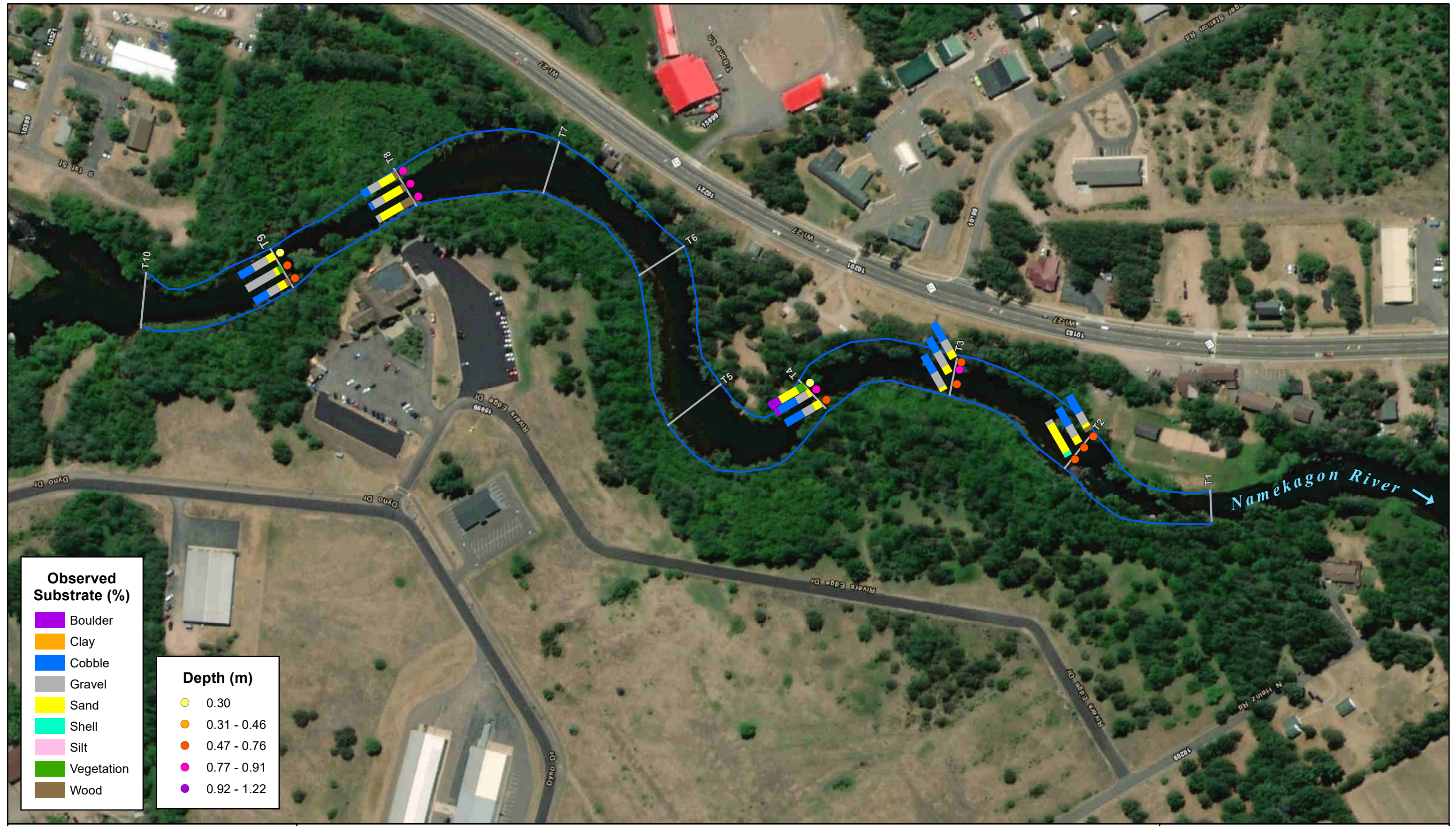


Figure 2. Substrate and Depth for the Hayward Project Reach One on the Namekagon River. Sawyer County, Wisconsin.

— Survey Transect  
 □ Riverine Reach Study Area





Observed Substrate (%)	
<span style="color: purple;">■</span>	Boulder
<span style="color: orange;">■</span>	Clay
<span style="color: blue;">■</span>	Cobble
<span style="color: gray;">■</span>	Gravel
<span style="color: yellow;">■</span>	Sand
<span style="color: cyan;">■</span>	Shell
<span style="color: pink;">■</span>	Silt
<span style="color: green;">■</span>	Vegetation
<span style="color: brown;">■</span>	Wood

Depth (m)	
<span style="color: yellow;">●</span>	0.30
<span style="color: orange;">●</span>	0.31 - 0.46
<span style="color: red;">●</span>	0.47 - 0.76
<span style="color: pink;">●</span>	0.77 - 0.91
<span style="color: purple;">●</span>	0.92 - 1.22

Figure 3. Substrate and Depth for the Hayward Project Reach Two on the Namekagon River. Sawyer County, Wisconsin.

— Survey Transect  
 Riverine Reach Study Area

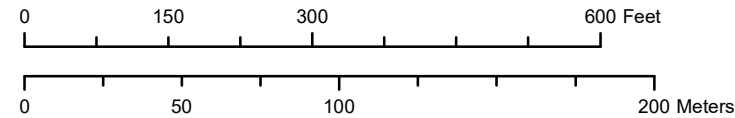
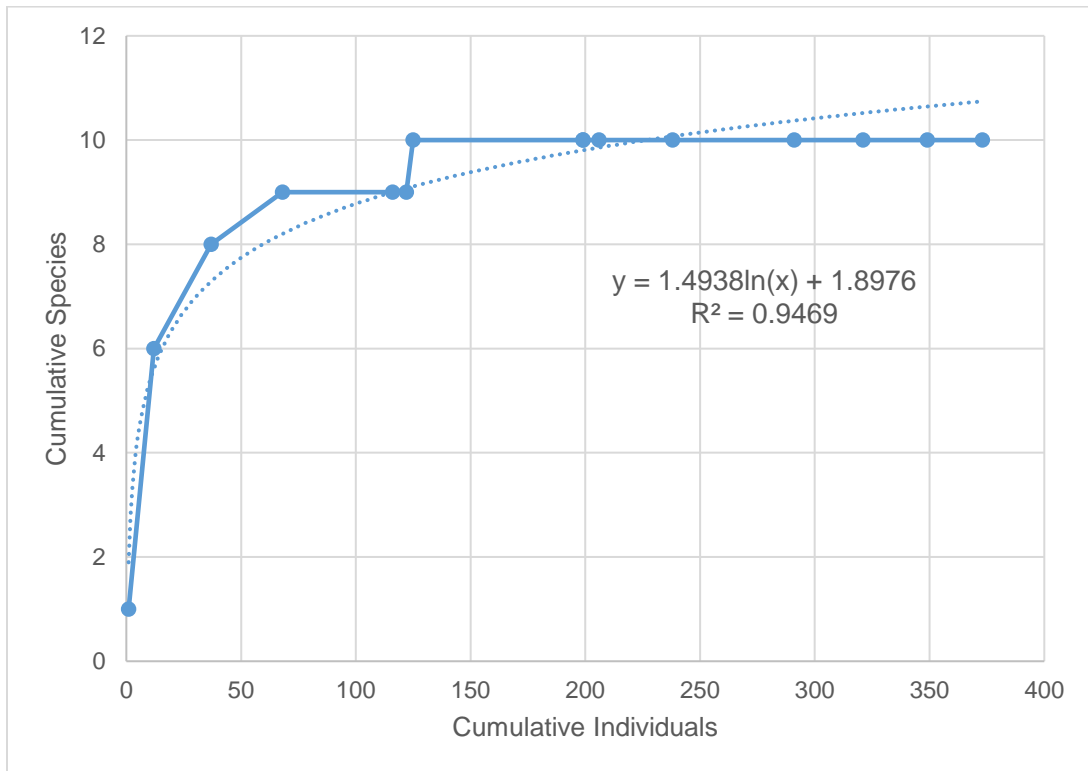




Figure 4. Mussel Abundance for the Hayward Project Reach Two on the Namekagon River. Sawyer County, Wisconsin.

Figure 5. Cumulative species curve for Hayward Project Reach Two on the Namekagon River.  
Sawyer County, Wisconsin



# **Appendix A**

## **Scientific Collecting Permits and Survey Plan**



State of Wisconsin  
DEPARTMENT OF NATURAL RESOURCES  
101 S. Webster Street  
Box 7921  
Madison WI 53707-7921

Tony Evers, Governor  
Preston D. Cole, Secretary  
Telephone 608-266-2621  
Toll Free 1-888-936-7463



July 30, 2021

Emily Grossman  
EnviroScience, Inc  
2977 Hwy K #226  
O'Fallon, MO 63368

Subject: WI E/T Permit Enclosed

Dear Emily:

With this letter we are updating your **ET Species Permit #1130**, per your request, as follows:

Species added to permit for removal and relocation to nearest suitable habitat outside impacted area:

- All Wisconsin threatened/endangered mussel species, collected as encountered on projects. Live mussels will be returned to the wild. Dead shells may be retained as vouchers and deposited in a reference collection, if permitted.

These updates are now part of your WI E/T Permit and will expire along with your original permit. Updated conditions are attached to this letter.

Please keep this letter and your E/T permit with you when conducting activities involving species listed on your permit.

Thank you for your efforts on behalf of Wisconsin's endangered and threatened resources.

Sincerely,

Drew Feldkirchner  
Bureau Director

## Wisconsin Endangered and Threatened Species Permit Conditions

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The following conditions apply to Wisconsin E/T Species Permit #1130 issued to **Emily Grossman**:

1. Bureau of Natural Heritage Conservation Mussels should not be surveyed when water temperatures are less than 40 ° F and air temperatures are less than 32° F.
2. Permit holder must follow equipment disinfection protocols as outlined in WDNR Manual Code 9183.1, found online at the [DNR public site](#).
3. Permit holder agrees to follow Mussel Relocation Protocol (if applicable) and Wisconsin Wadeable Protocol for Mussel Sampling unless approved by the DNR species expert.
4. If you anticipate encountering a [federally listed mussel species](#) while conducting mussel surveys, a federal permit may also be required. For further information, contact U.S. Fish and Wildlife Service, Twin Cities Field Office at (952) 252-0092.
5. If a federally listed species is not anticipated, but is encountered during a survey or relocation, the surveyor must contact the U.S. Fish and Wildlife Service's Twin Cities Field Office (612) 725-3548 ext. 2206 within 24 hours of the encounter, unless the surveyor is already authorized to handle the species under a federal permit.
6. Permit holder must contact [Lisie Kitchel](#) (608) 266-5248 prior to conducting field work for each new project.

### USACE GUIDELINES

1. Target and non-target species should be returned to point of capture, unless the project involves relocation. If the project involves relocation, please contact [Lisie Kitchel](#) (608) 266-5248).
2. Mussels should not be surveyed when water temperatures are less than 40 ° F and air temperatures are less than 32° F.
3. It is recommended to follow the equipment disinfection protocols for aquatic invasives as outlined in WDNR Manual Code 9183.1, found online at the [DNR public site](#).
4. It is recommended to follow the Mussel Relocation Protocol (if applicable) and Wisconsin Wadeable Protocol for Mussel Sampling.

State of Wisconsin  
 Department of Natural Resources  
 PO Box 7921, Madison WI 53707-7921

**Endangered and Threatened Species Permit**  
 Form 1700-002 (R 3/06)

The below named person is authorized by the Wisconsin Department of Natural Resources, pursuant to section 29.604, Wis. Stats., and Chapter NR 27, Wis. Adm. Code, to conduct the described activities for scientific or educational purposes.

**Permittee Information**

Last Name		First		DNR Permit Number		DNR Metal Tag Number	
Grossman		Emily		1130			
Street or Route		City		Date DNR Permit Issued		Date DNR Permit Expires	
21 Fort Zumwalt Dr		O'Fallon		07/24/2018		01/31/2024	
Phone Number		Email Address		Federal Permit Number		Date Federal Permit Expires	
(847) 269-4159		egrossman@enviroscienceinc.com					
Date of Birth		Eye Color		Hair Color		Weight	
3/19/1987		Blue		Brown		150	
State		ZIP Code		Height			
MO		63366		5'6"			

**Species or Study Information**

County(ies) of Activity  
 Statewide

Name and Number of Specimens or Description of Study

All Wisconsin threatened/endangered mussel species

Mussels will be collected as encountered on projects; specific numbers of each species are not known at this time

Source of Species or Area of Study	Where Species or Item Will Be Kept
Aquatic systems (rivers/streams/lakes) throughout Wisconsin	Live mussels will be returned to the wild. Dead shells may be retained as vouchers and deposited in a reference collection, if permitted.

Method of Taking and/or Transporting	During the Following Period of Time
Mussels will be collected by hand via wading/snorkeling/diving.	Duration of permit validity.

Purpose for Obtaining or Collection  
 Mussel surveys and possible translocation for construction and/or ecological monitoring projects

Final Disposition of Specimens  
 Live mussels will be returned to the wild. Dead shells may be retained as vouchers, if permitted.

Scientific Qualification of Permittee  
 See permit file.

Additional Conditions of This Permit  
 See attached letter with conditions.

**Permittee Certification**

I hereby certify that I have read, am familiar, and agree to comply with the regulations described herein. This permit is not transferable and must be exhibited to any authorized agent of the Department of Natural Resources on demand.

Permittee Signature	Date Signed
<i>Emily Grossman</i>	8/3/2021   12:23 PM CDT

BCABDB7B5AC8410...

STATE OF WISCONSIN  
 DEPARTMENT OF NATURAL RESOURCES  
 For the Secretary

DocuSigned by:  
 By: *Drew Feldkirchner*

F8586A547FC44E3...

Date: 7/30/2021 | 12:00 PM CDT

Address updated on 1/14/2022 by NRR.

## Emily Grossman

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**From:** Kitchel, Lisie E - DNR <Lisie.Kitchel@wisconsin.gov>  
**Sent:** Monday, June 6, 2022 3:00 PM  
**To:** Emily Grossman; Weinzinger, Jesse J - DNR  
**Cc:** Becca Winterringer  
**Subject:** RE: Mussel survey plans

Emily – all three look good, the only thing I would add would be to please note if there is an obvious ‘drawdown zone’ in any of the river reaches as a result of either consistent drawdown or seasonal drawdown where no mussels are present due to being dewatered, the classic ‘bathtub ring’, to document habitat that is impacted by operation or seasonal maintenance. This is especially important for the Gile Flowage which has a significant drawdown.

By document I mean not just if its present but the extent to which it occurs, 1 foot, 2 feet, 1 meter, etc. in width, or however best to describe it, not if it is not present.

Hope that is clear, give me a call if you want to discuss.

Have fun in northern Wisconsin!!

### Lisie Kitchel

Conservation Biologist  
Bureau of Natural Heritage Conservation  
Wisconsin Department of Natural Resources  
101 S. Webster St.  
Madison, WI 53707  
Cell Phone: (608-220-5180)



[dnr.wi.gov](http://dnr.wi.gov)



---

**From:** Emily Grossman <egrossman@enviroscienceinc.com>  
**Sent:** Monday, June 6, 2022 11:26 AM  
**To:** Kitchel, Lisie E - DNR <Lisie.Kitchel@wisconsin.gov>; Weinzinger, Jesse J - DNR <Jesse.Weinzinger@wisconsin.gov>  
**Cc:** Becca Winterringer <bwinterringer@enviroscienceinc.com>  
**Subject:** Mussel survey plans

**CAUTION: This email originated from outside the organization.  
Do not click links or open attachments unless you recognize the sender and know the content is safe.**

Lisie and Jesse,

EnviroScience was recently contracted by Mead and Hunt to conduct mussel surveys for four hydropower licensing/relicensing projects in northern Wisconsin. The locations and survey plans include:

- Hayward Lake and Trego Lake, Namekagon River near Hayward & Trego
- White River Flowage, White River near Ashland
- Gile Flowage, W. Fork Montreal River near Gile

Fieldwork will be led by either me (WI E/T permit #1130) or Becca Winterringer (WI E/T permit #1164). Per our permits, we wanted to notify you that we'll be conducting the surveys and request your review of the survey plans to ensure they're adequate. Based on the RFP we received, it looks like Mead and Hunt may have already discussed the survey methods with WIDNR, but please take a look at the attached plans and let me know if you have any comments or questions. We are hoping to start fieldwork in the next couple weeks, if possible, in order to complete the White River site before a planned drawdown of this reservoir in early July.

Again, please let me know if you have any questions/comments or need any additional info.




Thank you!


**Emily Grossman**

Senior Scientist/Project Manager



5070 Stow Road, Stow, OH 44224 | [EnviroScienceInc.com](http://EnviroScienceInc.com)  
O. 800.940.4025 | C. 847.269.4159 | 24-HR 888.866.8540

OH | TN | VA | WV | NC     
*Meet our new team in [North Carolina!](#)*

 <p><b>SCIENTIFIC RESEARCH AND COLLECTING PERMIT</b>          Grants permission in accordance with the attached general and special conditions  <b>United States Department of the Interior          National Park Service</b>  <b>Saint Croix</b></p>	<p><b>Study#:</b> SACN-00158  <b>Permit#:</b> SACN-2022-SCI-0013  <b>Start Date:</b> Jun 20, 2022  <b>Expiration Date:</b> Jul 08, 2022  <b>Coop Agreement#:</b>  <b>Optional Park Code:</b></p>
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<b>Name of principal investigator:</b>		
<b>Name:</b> Rebecca Winterringer	<b>Phone:</b> 6365444754	<b>Email:</b> bwinterringer@enviroscienceinc.com

<b>Name of institution represented:</b> EnviroScience, Inc.
--

<b>Additional investigators or key field assistants:</b>		
<b>Name:</b> Emily Grossman	<b>Phone:</b> 847-269-4159	<b>Email:</b> egrossman@enviroscienceinc.com
<b>Name:</b> Robert Williams	<b>Phone:</b> 423-802-3237	<b>Email:</b> rwilliams@enviroscienceinc.com
<b>Name:</b> Matt Gilkay	<b>Phone:</b> 763-222-5107	<b>Email:</b> mgilkay@enviroscienceinc.com
<b>Name:</b> Paul Moreno	<b>Phone:</b> 54-317-1740	<b>Email:</b> m256moreno@gmail.com
<b>Name:</b> Ben Ebert	<b>Phone:</b> 517-899-3403	<b>Email:</b> bebert@enviroscienceinc.com

<b>Study Title:</b> Mussel Studies for the Hayward (FERC No. 2417) and Trego (FERC No. 2711) Hydroelectric Projects, Namekagon River, Sawyer and Washburn Counties, Wisconsin.
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<b>Purpose of study:</b> The objective of the mussel studies is to provide data on freshwater mussel species and habitat within each of the Project areas. These studies aim to collect current mussel information to supplement historical data near the Project areas and document the resident mussel community above and below each dam. Coordination of the mussel studies has been undertaken by the Project owner and EnviroScience's client (Mead and Hunt). The mussel studies will follow the approved study plans submitted by Mead and Hunt related to correspondence from the NPS dated March 2, 2022.
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<b>Subject/Discipline:</b> Inventory Natural Resources Water Resources
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<b>Locations authorized:</b> Hayward Hydroelectric Project - Reach 1 will begin approximately 430 m above the Highway 77 bridge (approx. coordinates: 46.013296, -91.453639) and extend 1,000 m upstream. Reach 2 will begin at the canoe portage put-in (approximate coordinates: 46.002513, -91.489114) and will extend 1,000 m downstream.  Trego Hydroelectric Project - Reach 1 will begin at the Wagon Bridge Road crossing (approx. coordinates: 45.908514, -91.824905) and extend 1,000 m downstream. Reach 2 will begin 45 m below the Trego Dam (approx. coordinates: 45.948372, -91.888830) and extend 1,000 m downstream.
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<b>Transportation method to research site(s):</b> Access to each survey area will be via public boat or canoe launches in public parking designated areas.
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<b>Collection of the following specimens or materials, quantities, and any limitations on collecting:</b>
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<b>Name of repository for specimens or sample materials if applicable:</b> Repository type: Temporarily captured or handled (may include marking) and then released undamaged in place Objects collected: All freshwater mussels encountered will be inventories and released to their point of collection. Live mussels found will be kept submersed in ambient river water and kept cool and moist during processing. All live mussels will be identified to species, counted, measured (length in millimeters), aged (external annuli count), and sexed (sexually dimorphic species only) by the team malacologist. Dead shell specimens will be scored as fresh dead (dead less than one year, lustrous nacre), weathered dead (dead one to many years; chalky nacre, fragmented, and worn periostracum), or subfossil (dead many years to many decades; severely worn and fragmented). Detailed digital images of the study area and representative mussel species will be recorded and reported. Species likely to be encountered based on Wisconsin Observation by County and Waterbody:
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Black Sandshell - *Ligumia recta*  
Creek Heelsplitter - *Lasmigona compressa*  
Creeper - *Strophitus undulatus*  
Cylindrical Papershell - *Anodontoides ferussacianus*  
Deertoe - *Truncilla truncata*  
Elktoe - *Alasmidonta marginata*  
Fatmucket - *Lampsilis siliquoidea*  
Fluted-shell - *Lasmigona costata*  
Fragile Papershell - *Leptodea fragilis*  
Giant Floater - *Pyganodon grandis*  
Hickorynut - *Obovaria olivaria*  
Mapleleaf - *Quadrula quadrula*  
Mucket - *Actinonaias ligamentina*  
Paper Pondshell - *Utterbackia imbecillis*  
Pimpleback - *Quadrula pustulosa*  
Pink Heelsplitter - *Potamilus alatus*  
Plain Pocketbook - *Lampsilis cardium*  
Purple Wartyback - *Cyclonaias tuberculata*  
Round Pigtoe - *Pleurobema sintoxia*  
Salamander Mussel - *Simpsonaias ambigua*  
Spike - *Elliptio dilatata*  
Threeridge - *Amblema plicata*  
Wabash Pigtoe - *Fusconaia flava*

**NPS General Conditions for Scientific Research and Collecting Permit (available at the RPRS HELP page) apply to this permit. The following specific conditions or restrictions, and any attached conditions, also apply to this permit:**

**Plot Marking**

Route marking such as painting, blazing, or flagging is prohibited. Materials used to mark plots must be pre-approved by the Resource Management Specialist and must be as subtle as possible. Biodegradable flagging should be used to temporarily mark plots. All tags must have the researcher's name, project name, and date. Whenever possible, markers must not be readily visible to visitors.

**Aquatic Collecting**

All equipment must be free of zebra mussels.

Decontamination procedures are visual inspection, removal of plants, shells, etc., and a hot water rinse of 140 degrees F or out of water for at least 5 days.

**Other Permits**

This permit does not negate or replace other permits that may be required from local, state or other federal agencies.

**Summary of permitted field methods and activities:**

Mussel studies will include field surveys of two riverine reaches at each of the two Project locations. Mussel study methods were developed based on the Wisconsin Department of Natural Resources' (WDNR) Guidelines for Sampling Freshwater Mussels in Wadable Streams (Piette, 2015).

Mussel studies within riverine habitat will be conducted at each Project location. The survey area for each Project will include two riverine reaches, one upstream of the impoundment and one downstream of the Project powerhouse outside of the mixing zone. The upstream and downstream boundaries of each reach will be defined as follows:

Hayward Hydroelectric Project - Reach 1 will begin approximately 430 m above the Highway 77 bridge and extend 1,000 m upstream. Reach 2 will begin at the canoe portage put-in and will extend 1,000 m downstream.

Trego Hydroelectric Project - Reach 1 will begin at the Wagon Bridge Road crossing and extend 1,000 m downstream. Reach 2 will begin 45 m below the Trego Dam and extend 1,000 m downstream.

Within each reach, a series of transects extending bank to bank will be established every 100 m, creating a series of 10 possible transects per reach. Transects will be numbered sequentially from downstream to upstream, and a random number selector will be used to select five transects for the survey within each reach.

Searches along each transect will be conducted in 10-m segments and will extend 0.5 m on each side of the transect. A rapid visual search for signs of freshwater mussels (living or shell material) will be performed within each segment. The rapid visual search will entail an initial search of 0.2 minutes per m<sup>2</sup> (min/m<sup>2</sup>) along each 10-m segment to determine if mussels are present. If mussels are present in a segment, a semi-quantitative search will be triggered, and the time will be extended to 1 min/m<sup>2</sup>. During the semi-quantitative search, divers will visually search, probe the substrate, and turn over rocks to detect small, burrowed mussels.

EnviroScience will record general stream conditions and morphology within the study area and reference the Aquatic Habitat Classification on the St. Croix National Scenic Riverway for methodology and classifications. Water depth and river bottom substrate composition using the Wentworth Scale (% observed of silt, sand, gravel, etc.) will be recorded. The survey will be conducted only

when visibility at depth is at least 20 inches. In addition, a general description of mussel habitat in the Project boundary will be provided in reporting.

Live mussels found will be kept submersed in ambient river water and kept cool and moist during processing. All live mussels will be identified to species, counted, measured (length in millimeters), aged (external annuli count), and sexed (sexually dimorphic species only) by the team malacologist. Dead shell specimens will be scored as fresh dead (dead less than one year, lustrous nacre), weathered dead (dead one to many years; chalky nacre, fragmented, and worn periostracum), or subfossil (dead many years to many decades; severely worn and fragmented). Detailed digital images of the study area and representative mussel species will be recorded and reported. Datasheets will be populated and summarized per the Mussel Survey Summary Tables provided in Appendix 2 of each mussel study plan. Mussel taxonomy will follow the names presented by Williams et al., 2017.

If any living or dead federal or state-listed species are encountered, EnviroScience will notify Mead & Hunt immediately; per surveyor collection permits, WDNR, National Park Service (NPS), and the U.S. Fish & Wildlife Service (USFWS) will be notified within 24 hours. No live mussels will be harmed or taken during this Project. Any specimens of federally listed species that are encountered will be individually hand placed in their original locations.

Recommended by park staff(name and title):

\_\_\_\_\_

Approved by park official:

\_\_\_\_\_

Title:

Superintendent

Reviewed by Collections Manager:

Yes \_\_\_\_\_ No \_\_\_\_\_

Date Approved:

\_\_\_\_\_

**I Agree To All Conditions And Restrictions Of this Permit As Specified**  
(Not valid unless signed and dated by the principal investigator)

\_\_\_\_\_

(Principal investigator's signature)

\_\_\_\_\_

(Date)

**THIS PERMIT AND ATTACHED CONDITIONS AND RESTRICTIONS MUST BE CARRIED AT ALL TIMES WHILE CONDUCTING RESEARCH ACTIVITIES IN THE DESIGNATED PARK(S)**





## GENERAL CONDITIONS For SCIENTIFIC RESEARCH AND COLLECTING PERMIT

United States Department of the Interior  
National Park Service

- 1. Authority** - The permittee is granted privileges covered under this permit subject to the supervision of the superintendent or a designee, and shall comply with all applicable laws and regulations of the National Park System area and other federal and state laws. A National Park Service (NPS) representative may accompany the permittee in the field to ensure compliance with regulations.
- 2. Responsibility** - The permittee is responsible for ensuring that all persons working on the project adhere to permit conditions and applicable NPS regulations.
- 3. False information** - The permittee is prohibited from giving false information that is used to issue this permit. To do so will be considered a breach of conditions and be grounds for revocation of this permit and other applicable penalties.
- 4. Assignment** - This permit may not be transferred or assigned. Additional investigators and field assistants are to be coordinated by the person(s) named in the permit and should carry a copy of the permit while they are working in the park. The principal investigator shall notify the park's Research and Collecting Permit Office when there are desired changes in the approved study protocols or methods, changes in the affiliation or status of the principal investigator, or modification of the name of any project member.
- 5. Revocation** - This permit may be terminated for breach of any condition. The permittee may consult with the appropriate NPS Regional Science Advisor to clarify issues resulting in a revoked permit and the potential for reinstatement by the park superintendent or a designee.
- 6. Collection of specimens (including materials)** - No specimens (including materials) may be collected unless authorized on the Scientific Research and Collecting permit.

The general conditions for specimen collections are:

- Collection of archeological materials without a valid Federal Archeology Permit is prohibited.
- Collection of federally listed threatened or endangered species without a valid U.S. Fish and Wildlife Service endangered species permit is prohibited.
- Collection methods shall not attract undue attention or cause unapproved damage, depletion, or disturbance to the environment and other park resources, such as historic sites.
- New specimens must be reported to the NPS annually or more frequently if required by the park issuing the permit. Minimum information for annual reporting includes specimen classification, number of specimens collected, location collected, specimen status (e.g., herbarium sheet, preserved in alcohol / formalin, tanned and mounted, dried and boxed, etc.), and current location.
- Collected specimens that are not consumed in analysis or discarded after scientific analysis remain federal property. The NPS reserves the right to designate the repositories of all specimens removed from the park and to approve or restrict reassignment of specimens from one repository to another. Because specimens are Federal property, they shall not be destroyed or discarded without prior NPS authorization.
- Each specimen (or groups of specimens labeled as a group) that is retained permanently must bear NPS labels and must be accessioned and cataloged in the NPS National Catalog. Unless exempted by additional park - specific stipulations, the permittee will complete the labels and catalog records and will provide accession information. It is the permittee's responsibility to contact the park for cataloging instructions and specimen labels as well as instructions on repository designation for the specimens.
- Collected specimens may be used for scientific or educational purposes only, and shall be dedicated to public benefit and be accessible to the public in accordance with NPS policies and procedures.
- Any specimens collected under this permit, any components of any specimens (including but not limited to natural organisms, enzymes or other bioactive molecules, genetic materials, or seeds), and research results derived from collected specimens are to be used for

scientific or educational purposes only, and may not be used for commercial or other revenue-generating purposes unless the permittee has entered into a Cooperative Research And Development Agreement (CRADA) or other approved benefit-sharing agreement with the NPS. The sale of collected research specimens or other unauthorized transfers to third parties is prohibited. Furthermore, if the permittee sells or otherwise transfers collected specimens, any components thereof, or any products or research results developed from such specimens or their components without a CRADA or other approved benefit-sharing agreement with NPS, permittee will pay the NPS a royalty rate of twenty percent (20 %) of gross revenue from such sales or other revenues. In addition to such royalty, the NPS may seek other damages to which the NPS may be entitled including but not limited to injunctive relief against the permittee.

**7. Reports** - - The permittee is required to submit an Investigator's Annual Report and copies of final reports, publications, and other materials resulting from the study. Instructions for how and when to submit an annual report will be provided by NPS staff. Park research coordinators will analyze study proposals to determine whether copies of field notes, databases, maps, photos, and / or other materials may also be requested. The permittee is responsible for the content of reports and data provided to the National Park Service

**8. Confidentiality** - - The permittee agrees to keep the specific location of sensitive park resources confidential. Sensitive resources include threatened species, endangered species, and rare species, archeological sites, caves, fossil sites, minerals, commercially valuable resources, and sacred ceremonial sites.

**9. Methods of travel** - Travel within the park is restricted to only those methods that are available to the general public unless otherwise specified in additional stipulations associated with this permit.

**10. Other permits** - The permittee must obtain all other required permit(s) to conduct the specified project.

**11. Insurance** - If liability insurance is required by the NPS for this project, then documentation must be provided that it has been obtained and is current in all respects before this permit is considered valid.

**12. Mechanized equipment** - No use of mechanized equipment in designated, proposed, or potential wilderness areas is allowed unless authorized by the superintendent or a designee in additional specific conditions associated with this permit.

**13. NPS participation** - The permittee should not anticipate assistance from the NPS unless specific arrangements are made and documented in either an additional stipulation attached to this permit or in other separate written agreements.

**14. Permanent markers and field equipment** - The permittee is required to remove all markers or equipment from the field after the completion of the study or prior to the expiration date of this permit. The superintendent or a designee may modify this requirement through additional park specific conditions that may be attached to this permit. Additional conditions regarding the positioning and identification of markers and field equipment may be issued by staff at individual parks.

**15. Access to park and restricted areas** - Approval for any activity is contingent on the park being open and staffed for required operations. No entry into restricted areas is allowed unless authorized in additional park specific stipulations attached to this permit.

**16. Notification** - The permittee is required to contact the park's Research and Collecting Permit Office (or other offices if indicated in the stipulations associated with this permit) prior to initiating any fieldwork authorized by this permit. Ideally this contact should occur at least one week prior to the initial visit to the park.

**17. Expiration date** - Permits expire on the date listed. Nothing in this permit shall be construed as granting any exclusive research privileges or automatic right to continue, extend, or renew this or any other line of research under new permit(s).

**18. Other stipulations** - This permit includes by reference all stipulations listed in the application materials or in additional attachments to this permit provided by the superintendent or a designee. Breach of any of the terms of this permit will be grounds for revocation of this permit and denial of future permits.

## **SURVEY PLAN:**

### **FRESHWATER MUSSEL STUDIES FOR THE HAYWARD AND TREGO HYDROELECTRIC PROJECTS**

**(FERC Nos. 2417 and 2711)**

Prepared for:



On Behalf of :

**Mead  
& Hunt**

Prepared by:



5070 Stow Rd.  
Stow, OH 44224  
800-940-4025

[www.EnviroScienceInc.com](http://www.EnviroScienceInc.com)

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## 1.0 PROJECT OVERVIEW

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EnviroScience, Inc. is pleased to submit this survey plan to the Wisconsin Department of Natural Resources (WDNR) on behalf of Mead & Hunt to perform freshwater mussel studies associated with the Federal Energy Regulatory Commission (FERC) relicensing process for the Hayward Hydroelectric Project (FERC Project No. 2417) and Trego Hydroelectric Project (FERC Project No. 2711). Northern States Power Company – Wisconsin, d/b/a Xcel Energy (Licensee/Applicant), is required to evaluate existing freshwater mussel resources and potential impacts to freshwater mussel resources associated with continued project operations. The Hayward project is located on the Namekagon River near Hayward, Sawyer County, Wisconsin. The Trego project is located on the Namekagon River near Trego, Washburn County, Wisconsin.

## 2.0 MUSSEL SURVEY SCOPE OF WORK

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### TASK ONE: MUSSEL STUDIES

Mussel survey methods were developed following the 2015 WDNR Guidelines for Sampling Freshwater Mussels in Wadeable Streams (Guidelines; Piette, 2015). Mussel studies will include field surveys of two riverine reaches at each project location. One reach will be located upstream of the impoundment, and one will be downstream of the project powerhouse. The upstream and downstream boundaries of each reach will be defined as follows:

- Hayward Hydroelectric Project (22 MHT Work Scope): Reach 1 will begin approximately 430 m above the Highway 77 bridge and extend 1,000 m upstream. Reach 2 will begin at the canoe portage put-in and will extend 1,000 m downstream.
- Trego Hydroelectric Project (22 MHT Work Scope): Reach 1 will begin at the Wagon Bridge Road crossing and extend 1,000 m downstream. Reach 2 will begin 45 m below the Trego Dam and extend 1,000 m downstream.

Within each reach, a series of transects extending bank to bank will be established every 100 m, creating a series of 10 possible transects per reach. Transects will be numbered sequentially from downstream to upstream, and a random number selector will be used to select five transects for the survey within each reach.

Searches along each transect will be conducted in 10-m segments and will extend 0.5 m on each side of the transect. A rapid visual search for signs of freshwater mussels (living or shell material) will be performed within each segment. The rapid visual search will entail an initial search of 0.2 minutes per m<sup>2</sup> (min/m<sup>2</sup>) along each 10-m segment to determine if mussels are present. If mussels are present in a segment, a semi-quantitative search will be triggered, and the time will be extended to 1 min/m<sup>2</sup>. During the semi-quantitative search, divers will visually search, probe the substrate, and turn over rocks to detect small, burrowed mussels.

EnviroScience will record general stream conditions and morphology within the study area and will reference the Aquatic Habitat Classification on the St. Croix National Scenic Riverway (Wan et al., 2007) for methodology and classifications. Water depth and river bottom substrate composition using the Wentworth Scale (% observed of silt, sand, gravel, etc.) will be recorded. The survey will be conducted only when visibility at depth is at least 20 inches. In addition, a general description of mussel habitat in the project boundary will be provided.

### **Data and Mussel Handling**

Live mussels found will be kept submersed in ambient river water and kept cool and moist during processing. All live mussels will be identified to species, counted, measured (length in millimeters), aged (external annuli count), and sexed (sexually dimorphic species only) by the team malacologist. Dead shell specimens will be scored as fresh dead (dead less than one year, lustrous nacre), weathered dead (dead one to many years; chalky nacre, fragmented, and worn periostracum), or subfossil (dead many years to many decades; severely worn and fragmented). Detailed digital images of the study area and representative mussel species will be recorded and reported. Datasheets will be populated and summarized per the Mussel Survey Summary Tables provided in Appendix 2 of each mussel study plan provided by Mead & Hunt. Mussel taxonomy will follow the names presented by Williams et al., 2017.

If any living or dead federal or state-listed species are encountered, EnviroScience will notify Mead & Hunt immediately; per surveyor collection permits, WDNR, the National Park Service (NPS), and the U.S. Fish & Wildlife Service (USFWS) will be notified within 24 hours. No live mussels will be harmed or taken during this project. Any specimens of federally listed species that are encountered will be individually hand placed in their original locations.

### **TASK TWO: REPORTING**

EnviroScience will provide Mead & Hunt with draft reports for the Hayward and Trego projects for review within 30 days of completion of fieldwork or by October 31, 2022, whichever occurs first. Final draft reports for each project for distribution to the relicensing participants will be completed within seven days after receiving Mead & Hunt's comments. EnviroScience will review and address participant comments and provide a final study report within 30 days of receiving participant comments from Mead & Hunt.

Each report will include a description of mussel survey activities and the prescribed Mussel Survey Summary Tables of all data collected, including mussel species numbers, sizes, and distribution within the study area. GIS-based mapping will provide further visual presentations of the findings of the survey. Geo-referenced photos and GIS shapefiles will be provided electronically to Mead & Hunt.

### **MUSSEL SURVEY SCHEDULE**

Field work will be initiated following coordination with WDNR, receipt of permits, and when suitable weather and river conditions allow. Normal to low water conditions and good visibility must occur to conduct field work; project activities will be planned accordingly. Fieldwork is tentatively planned for mid-June 2022.

### 3.0 LITERATURE CITED

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- Piette, R. R. (2015). Guidelines for sampling freshwater mussels in wadable streams. Wisconsin Department of Natural Resources. 50pp.
- Wan, H., Perry, J., Ferrin, R., Moraska-LaFrancois, B., Wan, H., Perry, J., ... & Moraska-LaFrancois, B. (2007). Aquatic habitat classification on the St. Croix National Scenic Riverway. In Research report to the US National Park Service. University of Minnesota.
- Williams, J. D., Bogan, A. E., Butler, R. S., Cummings, K. S., Garner, J. T., Harris, J. L., ... & Watters, G. T. (2017). A revised list of the freshwater mussels (Mollusca: Bivalvia: Unionida) of the United States and Canada. *Freshwater Mollusk Biology and Conservation*, 20(2), 33-58.

# Appendix B

## Photographic Record

Appendix B. Index of photo locations, Hayward Mussel Survey, June 2022.

---

Photo No.	Coordinates				View direction
	UTM Zone 15N		NAD 1983		
	Northing	Easting	Latitude	Longitude	
Photo 1	5096967	619719	46.01581	-91.45344	South
Photo 2	5097182	619775	46.01774	-91.45266	Northeast
Photo 3	5097237	619857	46.01822	-91.45159	Southwest
Photo 4	5097329	619817	46.01905	-91.45209	Northwest
Photo 5	5095351	616891	46.00176	-91.49036	Southwest
Photo 6	5095745	617246	46.00525	-91.48567	North
Photo 7	5095745	617246	46.00525	-91.48567	South
Photo 8	5095837	617266	46.00607	-91.48540	Northeast
Photo 9	5095837	617266	46.00607	-91.48540	West
Photo 10	5095349	616856	46.00175	-91.49081	N/A
Photo 11	5095349	616856	46.00175	-91.49081	N/A
Photo 12	5095349	616856	46.00175	-91.49081	N/A
Photo 13	5095349	616856	46.00175	-91.49081	N/A
Photo 14	5095349	616856	46.00175	-91.49081	N/A
Photo 15	5095745	617246	46.00525	-91.48567	N/A
Photo 16	5095349	616856	46.00175	-91.49081	N/A
Photo 17	5095349	616856	46.00175	-91.49081	N/A
Photo 18	5095645	617232	46.00435	-91.48588	N/A
Photo 19	5095387	616948	46.00207	-91.48962	N/A
Photo 20	5097187	619767	46.01778	-91.45277	N/A

---



*Hayward Hydroelectric Project Mussel Survey  
Hayward, Wisconsin  
Photographed June 19, 2022*



Photo 1. Reach 1, view looking downstream toward Transect 2.



Photo 2. Reach 1, view looking upstream from Transect 6.

*Hayward Hydroelectric Project Mussel Survey  
Hayward, Wisconsin  
Photographed June 19, 2022*



Photo 3. Reach 1, view looking downstream from Transect 7.



Photo 4. Reach 1, view looking upstream from Transect 8.

*Hayward Hydroelectric Project Mussel Survey  
Hayward, Wisconsin  
Photographed June 19, 2022*



Photo 5. Reach 2, view looking downstream toward Transect 2.



Photo 6. Reach 2, view looking upstream at old wood piles above Transect 9.

*Hayward Hydroelectric Project Mussel Survey  
Hayward, Wisconsin  
Photographed June 19, 2022*



Photo 7. Reach 2, view looking downstream from Transect 9.



Photo 8. Reach 2, view looking upstream from Transect 10.

Hayward Hydroelectric Project Mussel Survey  
Hayward, Wisconsin  
Photographed June 19, 2022



Photo 9. Reach 2, view looking toward the right descending bank at Transect 10.



Photo 10. Representative photo of Mucket (*Actinonaias ligamentina*) collected in the study area.

Hayward Hydroelectric Project Mussel Survey  
Hayward, Wisconsin  
Photographed June 19, 2022



Photo 11. Representative photo of Elktoe (*Alasmidonta marginata*) collected in the study area.



Photo 12. Representative photo of Spike (*Eurynia dilatata*) collected in the study area.

Hayward Hydroelectric Project Mussel Survey  
Hayward, Wisconsin  
Photographed June 19, 2022



Photo 13. Representative photo of Wabash Pigtoe (*Fusconaia flava*) collected in the study area.

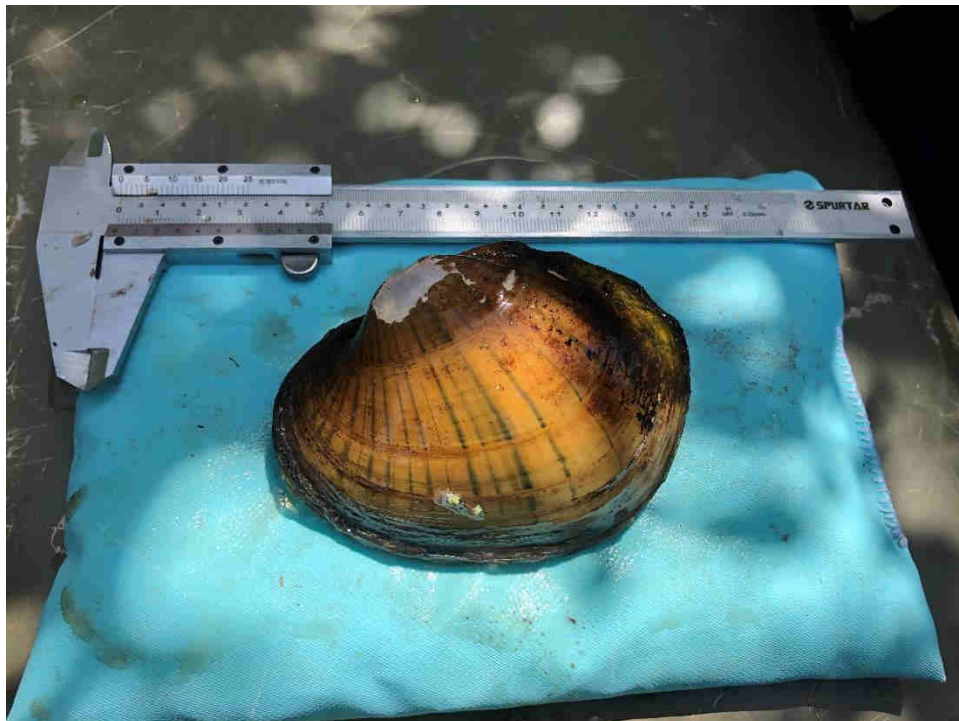


Photo 14. Representative photo of Plain Pocketbook (*Lampsilis cardium*) collected in the study area.

Hayward Hydroelectric Project Mussel Survey  
Hayward, Wisconsin  
Photographed June 19, 2022



Photo 15. Representative photo of Fatmucket (*Lampsilis siliquoidea*) collected in the study area.



Photo 16. Representative photo of Fluted Shell (*Lasmigona costata*) collected in the study area.



Hayward Hydroelectric Project Mussel Survey  
Hayward, Wisconsin  
Photographed June 19, 2022



Photo 17. Representative photo of Black Sandshell (*Ligumia recta*) collected in the study area.



Photo 18. Representative photo of Giant Floater (*Pyganodon grandis*) collected in the study area.

Hayward Hydroelectric Project Mussel Survey  
Hayward, Wisconsin  
Photographed June 19, 2022



Photo 19. Representative photo of Creeper (*Strophitus undulatus*) collected in the study area.



Photo 20. Representative photo of invasive Chinese Mystery Snail (*Cipangopaludina chinensis*) collected in Reach 1.

**APPENDIX E-16**

**WDNR Hayward Project Macroinvertebrate Sampling Data**

## Monitoring Station

Station ID 10029431  
 Station Name NAMEKAGON R 70 M US OF HOSPITAL RD.

Show specific parameter:  

### Sample Results

Previous 1-25 of 92 Next

Project	Date/Time	DNR Parameter	Species	Result	Units	Present/Absent	Lab Comments
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	PLECOPTERA CAPNIIDAE PARACAPNIA ANGULATA		3			
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	PLECOPTERA TAENIOPTERYGIDAE TAENIOPTERYX		1			
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	EPHEMEROPTERA EPHEMERELLIDAE EPHEMERELLA		18			
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	EPHEMEROPTERA EPHEMERELLIDAE EPHEMERELLA INVARIA		54			
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	EPHEMEROPTERA EPHEMERELLIDAE EPHEMERELLA SUBVARIA		1			
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	EPHEMEROPTERA EPHEMERELLIDAE EURYLOPHELLA BICOLOR		2			
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	EPHEMEROPTERA HEPTAGENIIDAE EPEORUS VITREUS		2			
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	EPHEMEROPTERA HEPTAGENIIDAE MACCAFFERTIUM		9			
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	EPHEMEROPTERA HEPTAGENIIDAE MACCAFFERTIUM MEDIOPUNCTATUM		8			
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	EPHEMEROPTERA HEPTAGENIIDAE MACCAFFERTIUM MODESTUM		2			
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	EPHEMEROPTERA HEPTAGENIIDAE LEUCROCUTA		6			
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	EPHEMEROPTERA ISONYCHIIDAE ISONYCHIA		2			
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	ODONATA GOMPHIDAE OPHIOGOMPHUS		1			
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	TRICHOPTERA BRACHYCENTRIDAE MICRASEMA RUSTICUM		1			
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	TRICHOPTERA HYDROPSYCHIDAE CHEUMATOPSYCHE		2			
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	TRICHOPTERA HYDROPSYCHIDAE CERATOPSYCHE ALTERNANS		1			
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	TRICHOPTERA HYDROPSYCHIDAE CERATOPSYCHE BRONTA		6			
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	TRICHOPTERA HYDROPSYCHIDAE CERATOPSYCHE VEXA		3			
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	TRICHOPTERA PSYCHOMYIIDAE PSYCHOMYIA FLAVIDA		1			
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	TRICHOPTERA UENOIDAE NEOPHYLAX		1			

NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	COLEOPTERA ELMIDAE OPTIOSERVUS	2
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	COLEOPTERA ELMIDAE OPTIOSERVUS TRIVITTATUS	42
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	DIPTERA TIPULIDAE DICRANOTA	1
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	DIPTERA TIPULIDAE PSEUDOLIMNOPHILA	1
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	DIPTERA TANYPODINAE 0 CONCHAPELOPIA	1

## Monitoring Station

Station ID 10029431  
 Station Name NAMEKAGON R 70 M US OF HOSPITAL RD.

Show specific parameter: <Show All> ▼

### Sample Results

[Previous](#) 26-50 of 92 [Next](#)

Project	Date/Time	DNR Parameter	Species	Result	Units	Present/Absent	Lab Comments
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	DIPTERA DIAMESINAE 2 PAGASTIA		1			
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	DIPTERA ORTHOCLADIINAE 1 ORTHOCLADIUS (ORTHOCLADIUS)		2			
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	DIPTERA CHIRONOMINAE 4 CLADOTANYTARSUS		4			
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	DIPTERA CHIRONOMINAE 4 CRYPTOCHIRONOMUS		2			
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	DIPTERA CHIRONOMINAE 4 MICROTENDIPES PEDELLUS GROUP PINDER, REISS 1983		1			
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	DIPTERA CHIRONOMINAE 4 NILOTHAUMA		1			
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	TRICLADIDA		1			
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	BASOMMATOPHORA ANCYLIDAE FERRISSIA		4			
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	VENEROIDA PISIDIIDAE SPHAERIUM		1			
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	DIPTERA ORTHOCLADIINAE 1 ORTHOCLADIUS (EUORTHOCLADIUS) RIVULORUM		4			
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	DIPTERA ORTHOCLADIINAE 1 CRICOTOPUS/ORTHOCLADIUS FERRINGTON ET AL. 2008		1			
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	Macroinvertebrate Index of Biological Integrity (IBI), Wadable		6.71113			
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	HILSENHOFF'S BIOTIC INDEX (HBI)		2.201			
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	FAMILY-LEVEL BIOTIC INDEX (FBI)		2.882			
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	HBI Max 10		2.916			
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	SPECIES RICHNESS		33			
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	GENERA RICHNESS		29			
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	PERCENT EPT INDIVIDUALS		64			
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	PERCENT EPT GENERA		45			
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	PERCENT CHIRONOMIDAE INDIVIDUALS		9			

NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	SHANNON'S DIVERSITY INDEX	3.29
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	PERCENT SCRAPERS	39
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	PERCENT FILTERER	8
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	PERCENT SHREDDERS	3
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	PERCENT GATHERERS	47

## Monitoring Station

Station ID 10029431  
 Station Name NAMEKAGON R 70 M US OF HOSPITAL RD.

Show specific parameter: <Show All> ▼

### Sample Results

[Previous](#) 51-75 of 92 [Next](#)

Project	Date/Time	DNR Parameter	Species Result	Units Present/Absent	Lab Comments
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	Macroinvertebrate Family Rank 1	EPHEMERELLIDAE		
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	Macroinvertebrate Family Rank 2	ELMIDAE		
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	Macroinvertebrate Family Rank 3	HEPTAGENIIDAE		
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	Macroinvertebrate Family Rank 4	CHIRONOMIDAE		
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	Macroinvertebrate Family Rank 5	HYDROPSYCHIDAE		
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	Macroinvertebrate Genus Rank 1	EPHEMERELLA		
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	Macroinvertebrate Genus Rank 2	OPTIOSERVUS		
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	Macroinvertebrate Genus Rank 3	MACCAFFERTIUM		
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	Macroinvertebrate Genus Rank 4	CERATOPSYCHE		
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	Macroinvertebrate Genus Rank 5	LEUCROCUTA		
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	Mean Pollution Tolerance Value	3		
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	DEPO Percent Individuals (DEP_PC_CNT)	75.401		
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	DEPO Genera (DEPO_G)	15		
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	DEPO, percent genera (DEP_PC_GEN)	50		
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	EPT Genera (EPT_GENERA)	13		
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	EPT Individuals (EPT_COUNT)	123		
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	EPT Percent Individuals (EPT_PC_CNT)	65.775		
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	Amph Percent Individuals (AMP_PC_CNT)	0		
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	EPT Percent Genera (EPT_PC_GEN)	50		
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	Isop Percent Individuals (ISO_PC_CNT)	0		
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	Isop Genera (ISOP_G)	0		
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	Isop Percent Genera (ISO_PC_GEN)	0		
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	Dipt Percent Genera (DIP_PC_GEN)	42.308		
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	Dipt Percent Individuals (DIP_PC_CNT)	10.16		
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	Chir Percent Individuals (CHI_PC_CNT)	9.091		



**Monitoring Station**

Station ID 10029431  
 Station Name NAMEKAGON R 70 M US OF HOSPITAL RD.

Show specific parameter: <Show All> ▼

**Sample Results**

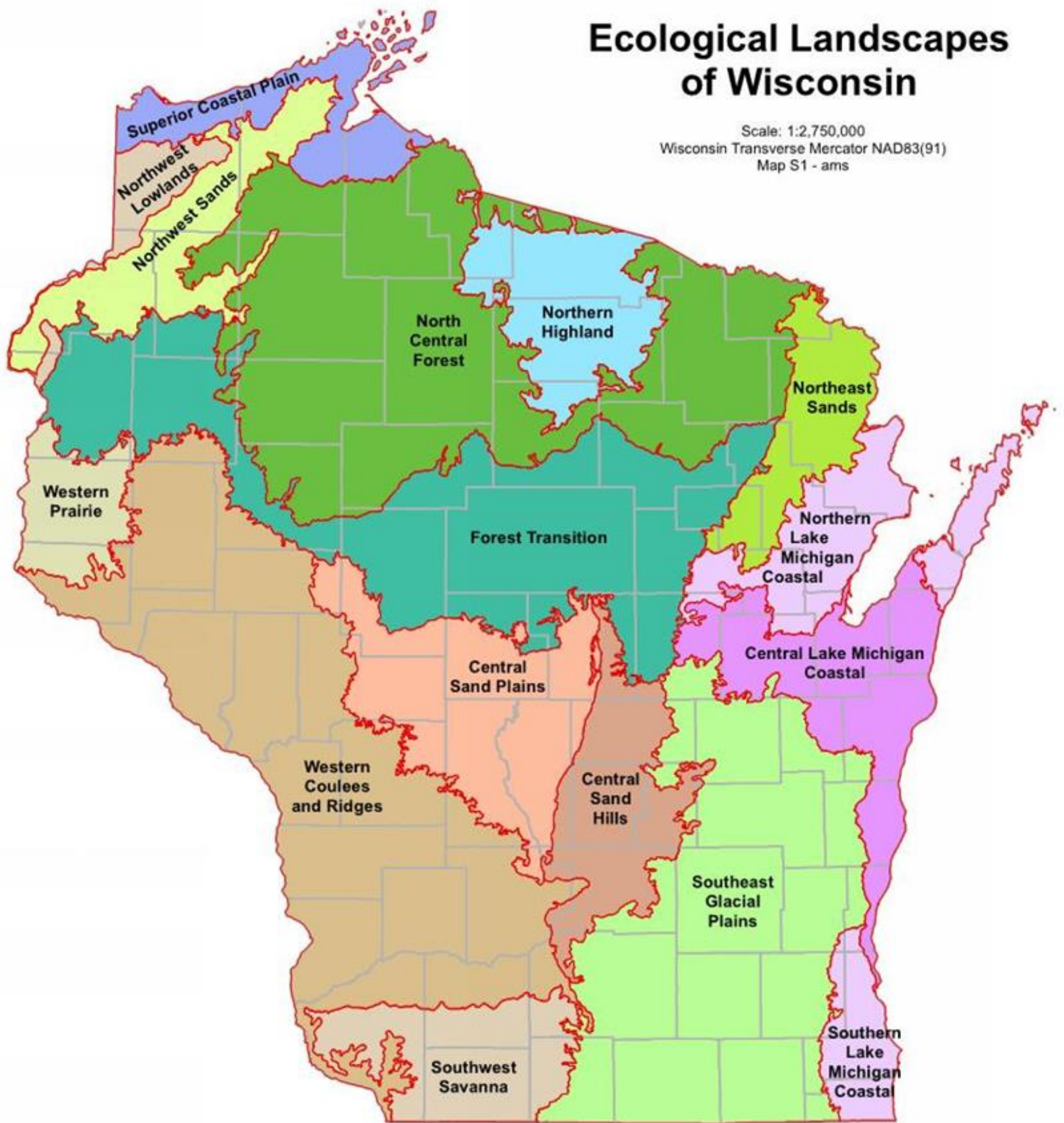
[Previous](#) 76-92 of 92 [Next](#)

<b>Project</b>	<b>Date/Time</b>	<b>DNR Parameter</b>	<b>Species Result</b>	<b>Units Present/Absent</b>	<b>Lab Comments</b>
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	Chir Percent Genera (CHI_PC_GEN)	34.615		
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	Gatherers Percent Individuals (GAT_PC_CNT)	48.387		
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	Gatherers Percent Genera (GAT_PC_GEN)	36		
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	Scrapers Percent Individuals (SCR_PC_CNT)	37.634		
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	Shredders Percent Individuals (SHR_PC_CNT)	3.226		
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	Insect Taxa (INSECT_T)	30		
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	Insect Percent Individuals (INSECT_PI)	96.891		
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	EPT Taxa (EPT_T)	17		
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	Dominance 3 Percent Individuals (DOM3_PI)	59.067		
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	Intolerant EPT 2 Percent Individuals (INTOL_EPT2_PI)	38.86		
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	Tolerant Chir Percent Individuals (TOL_CHIR8_PI)	1.036		
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	Functional Trait Niches (ECOFTN)	15		
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	Amph Isop Percent Individuals (A_I_PC_CNT)	0		
NOR Watershed Rotation Sites (Non_LTT)	10/25/2008 12:00 AM	Species Richness (Wadable IBI Intermediate)	33		
2018 CWA Impairment Assessments	10/25/2008 12:00 AM	Wadeable Stream 10 Year Mean mIBI Assessment Value	6.71113		
2018 CWA Impairment Assessments	07/15/2008 12:00 AM	Wadeable Stream 10 Year Mean fIBI Assessment Value	100		
2018 CWA Impairment Assessments	07/15/2008 12:00 AM	Assessment River Station Natural Community	COOL-WARM MAINSTEM		



**APPENDIX E-17      Ecological Landscapes of Wisconsin**

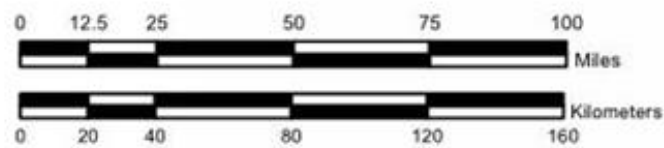
# Ecological Landscapes of Wisconsin

Scale: 1:2,750,000  
 Wisconsin Transverse Mercator NAD83(91)  
 Map S1 - ams



Wisconsin was divided into 16 ecoregions with similar ecology and management opportunities. Each of these ecoregions is called an Ecological Landscape. The Ecological Landscapes are based on the National Hierarchical Framework of Ecological Units (NHFEU; Cleland et al. 1997). There were too many NHFEU Subsections and too few NHFEU Sections to be useful for management purposes. Ecological Landscapes use the same boundaries as NHFEU Sections or Subsections. However, some NHFEU Subsections were combined to reduce the number of geographical units in the state to a manageable number. Therefore, Ecological Landscapes are at a size (scale) between NHFEU Sections and Subsections.

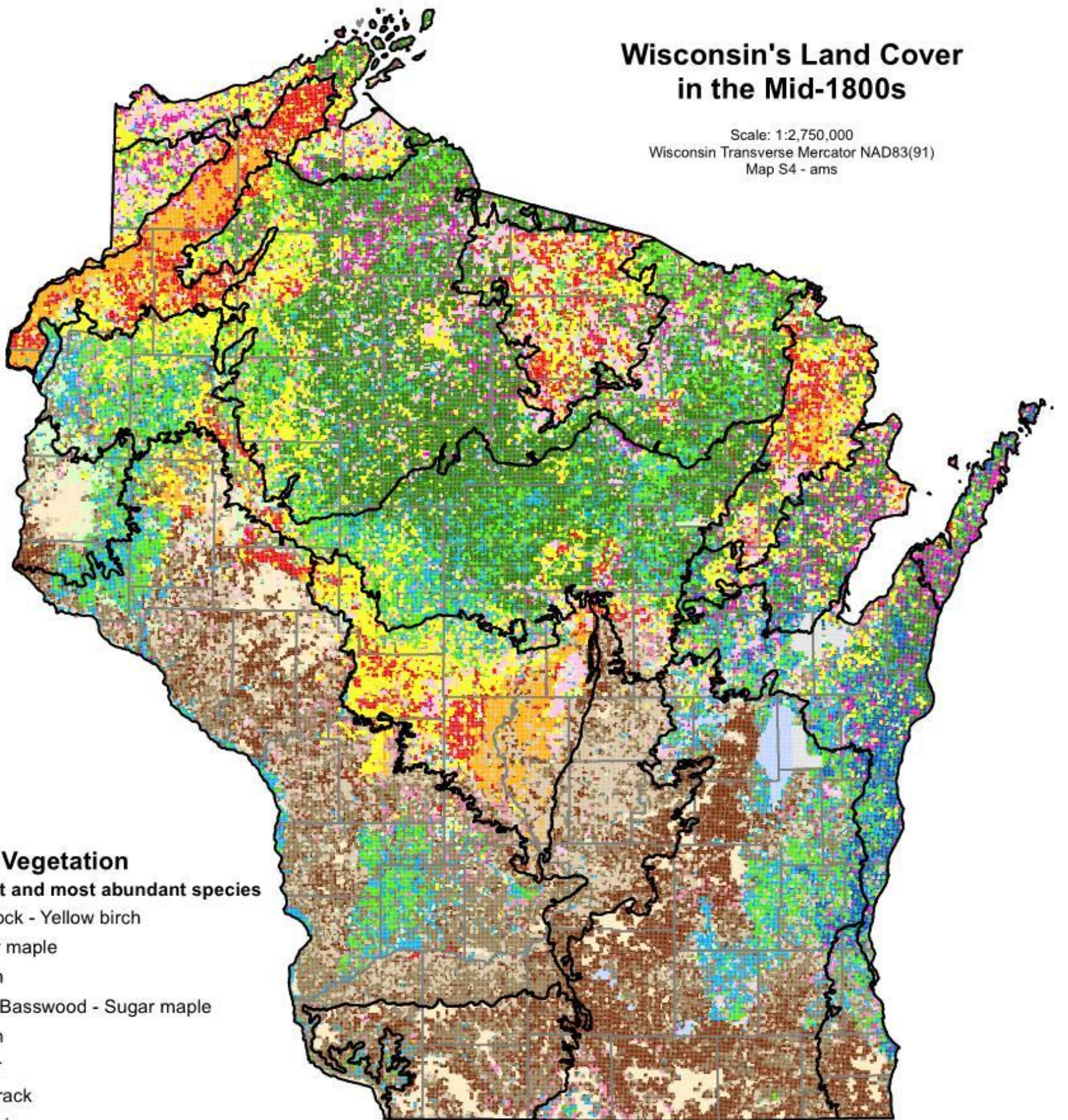
-  Ecological Landscapes
-  County Boundaries



**APPENDIX E-18      Land Cover in the Mid-1800's**











# Wisconsin's Land Cover in the Mid-1800s

Scale: 1:2,750,000  
 Wisconsin Transverse Mercator NAD83(91)  
 Map S4 - ams



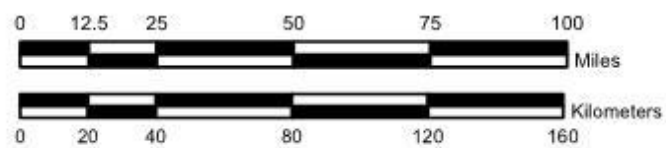
## Native Vegetation

### Dominant and most abundant species

-  Hemlock - Yellow birch
-  Sugar maple
-  Aspen
-  Elm - Basswood - Sugar maple
-  Beech
-  Cedar
-  Tamarack
-  Jack pine
-  Red pine
-  White pine
-  Red oak
-  Black oak - Jack oak
-  Bur oak
-  White oak
-  Prairie
-  Water
-  No data
-  Ecological Landscape
-  County Boundaries

This data was compiled by the Forest Landscape Ecology Lab at the University of Wisconsin - Madison (<http://landscape.forest.wisc.edu/>). It is published here courtesy of David J. Mladenoff.

For more information about the General Land Office Public Land Survey, see Schulte L.A. and Mladenoff D.J. 2001. The original Public Land Survey records: their use and limitations in reconstructing presettlement vegetation. *J. Forestry* 99(10) 5-10.

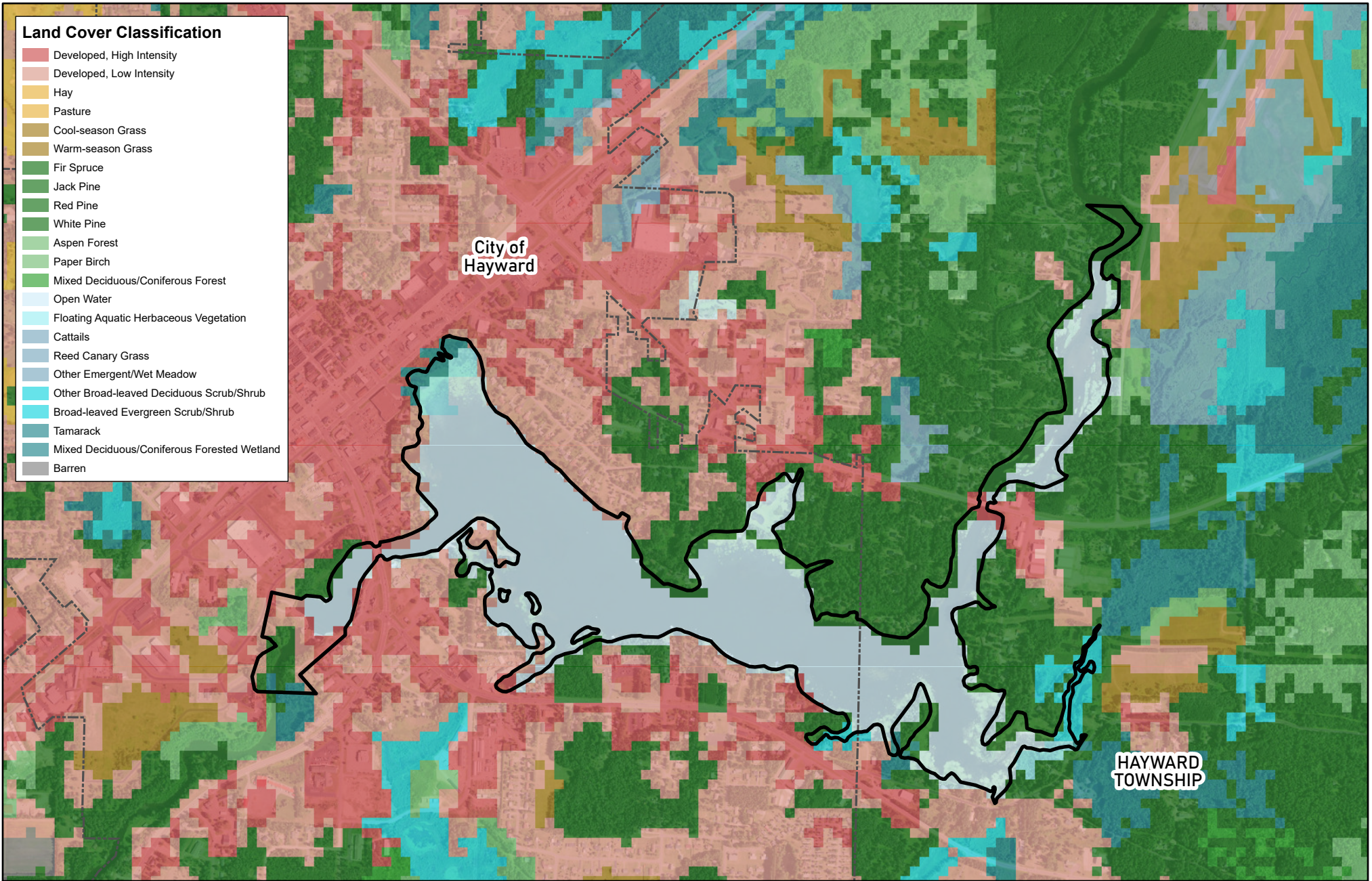


**APPENDIX E-19**

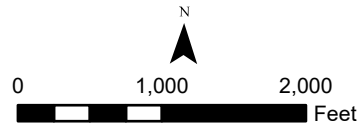
**Hayward Project WISCLAND 2 Cover Type Maps**

**Land Cover Classification**

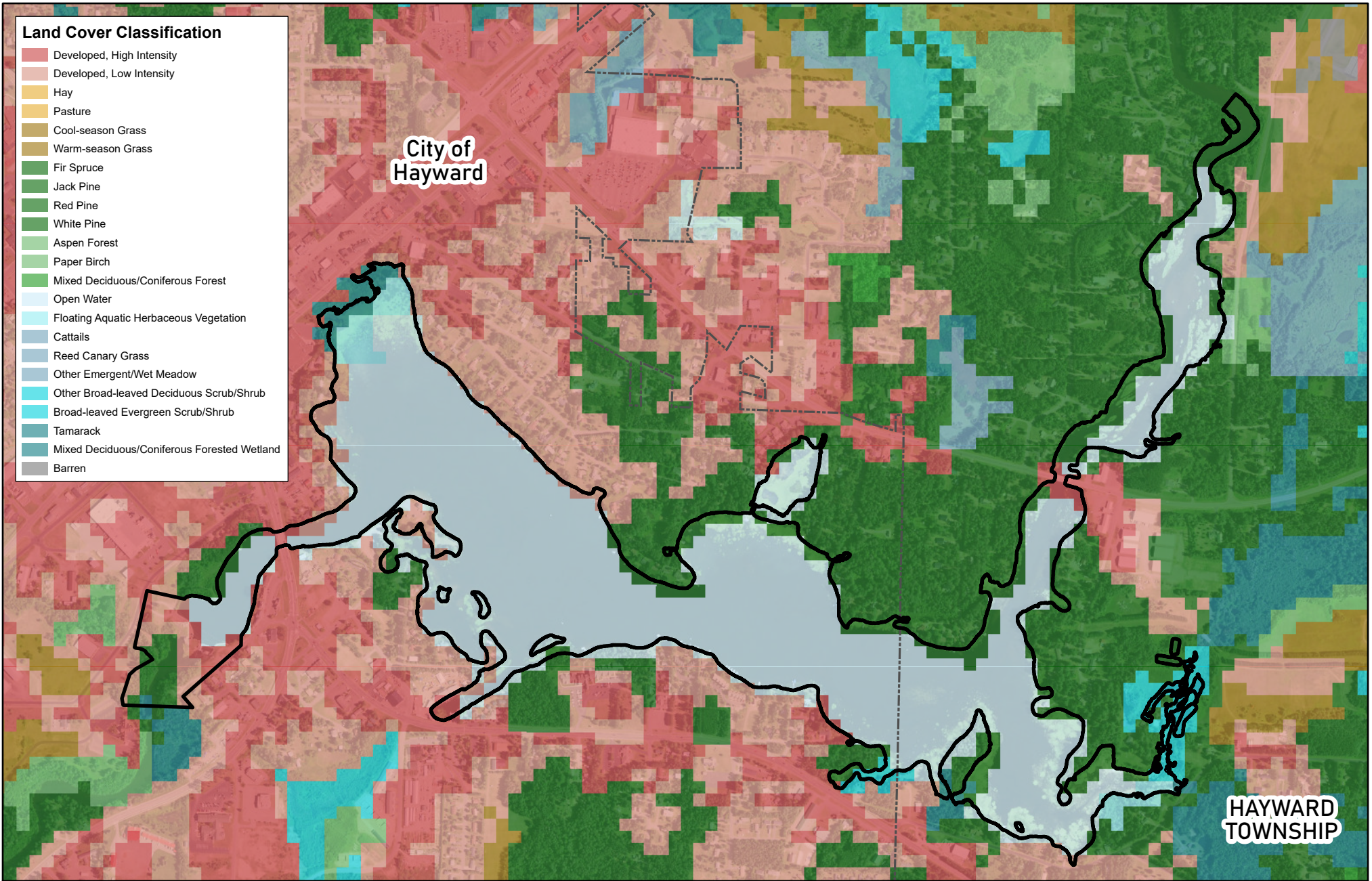
- Developed, High Intensity
- Developed, Low Intensity
- Hay
- Pasture
- Cool-season Grass
- Warm-season Grass
- Fir Spruce
- Jack Pine
- Red Pine
- White Pine
- Aspen Forest
- Paper Birch
- Mixed Deciduous/Coniferous Forest
- Open Water
- Floating Aquatic Herbaceous Vegetation
- Cattails
- Reed Canary Grass
- Other Emergent/Wet Meadow
- Other Broad-leaved Deciduous Scrub/Shrub
- Broad-leaved Evergreen Scrub/Shrub
- Tamarack
- Mixed Deciduous/Coniferous Forested Wetland
- Barren







Current Project Boundary  
 Municipal Boundary




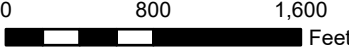
Hayward Hydroelectric Project  
 Major Land Cover in Vicinity of  
 Current Project Boundary  
 FERC No. 2417



 Proposed Project Boundary  
 Municipal Boundary

Note: the impounded Proposed Project Boundary is established at elevation 1,187.5 feet NGVD 1929.

Hayward Hydroelectric Project  
 Major Land Cover in Vicinity of  
 Proposed Project Boundary  
 FERC No. 2417

Source Layer: Wisconsin Department of Natural Resources WISCLAND 2019 update, WI 2022 NAIP (natural color, 0.6-meter resolution)

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**APPENDIX E-20**

**Hayward City Beach eBird Checklist**

# eBird Field Checklist

## Hayward Beach

Sawyer, Wisconsin, US

[ebird.org/hotspot/L7467018](http://ebird.org/hotspot/L7467018)

82 species (+4 other taxa) - Year-round, All years

**Date:** \_\_\_\_\_  
**Start time:** \_\_\_\_\_  
**Duration:** \_\_\_\_\_  
**Distance:** \_\_\_\_\_  
**Party size:** \_\_\_\_\_  
**Notes:** \_\_\_\_\_

This checklist is generated with data from eBird ([ebird.org](http://ebird.org)), a global database of bird sightings from birders like you. If you enjoy this checklist, please consider contributing your sightings to eBird. It is 100% free to take part, and your observations will help support birders, researchers, and conservationists worldwide.

Go to [ebird.org](http://ebird.org) to learn more!

### Waterfowl

- Canada Goose
- Trumpeter Swan
- Wood Duck
- Mallard
- Ring-necked Duck
- Greater/Lesser Scaup
- Bufflehead
- Common Goldeneye
- Hooded Merganser
- Common Merganser

### Grouse, Quail, and Allies

- Wild Turkey

### Grebes

- Pied-billed Grebe

### Pigeons and Doves

- Mourning Dove

### Nightjars

- Common Nighthawk

### Swifts

- Chimney Swift

### Shorebirds

- Killdeer

### Gulls, Terns, and Skimmers

- Ring-billed Gull
- Herring Gull
- Black Tern

### Loons

- Common Loon

### Herons, Ibis, and Allies

- Great Blue Heron
- Green Heron

### Vultures, Hawks, and Allies

- Turkey Vulture
- Osprey
- Sharp-shinned Hawk
- Bald Eagle
- Broad-winged Hawk

### Kingfishers

- Belted Kingfisher

### Woodpeckers

- Yellow-bellied Sapsucker
- Downy Woodpecker
- Hairy Woodpecker
- Pileated Woodpecker
- Northern Flicker

### Falcons and Caracaras

- American Kestrel

### Tyrant Flycatchers: Pewees, Kingbirds, and Allies

- Alder Flycatcher
- Least Flycatcher
- Eastern Phoebe
- Eastern Kingbird

### Vireos

- Yellow-throated Vireo
- Warbling Vireo
- Red-eyed Vireo

### Jays, Magpies, Crows, and Ravens

- Blue Jay

\_\_\_ American Crow  
\_\_\_ crow/raven sp.

**Tits, Chickadees, and Titmice**

\_\_\_ Black-capped Chickadee

**Martins and Swallows**

\_\_\_ Tree Swallow  
\_\_\_ Bank Swallow  
\_\_\_ swallow sp.

**Kinglets**

\_\_\_ Ruby-crowned Kinglet  
\_\_\_ Golden-crowned Kinglet

**Nuthatches**

\_\_\_ Red-breasted Nuthatch  
\_\_\_ White-breasted Nuthatch

**Wrens**

\_\_\_ House Wren

**Starlings and Mynas**

\_\_\_ European Starling

**Catbirds, Mockingbirds, and Thrashers**

\_\_\_ Gray Catbird  
\_\_\_ Brown Thrasher

**Thrushes**

\_\_\_ Eastern Bluebird  
\_\_\_ American Robin

**Waxwings**

\_\_\_ Cedar Waxwing

**Old World Sparrows**

\_\_\_ House Sparrow

**Finches, Euphonias, and Allies**

\_\_\_ Evening Grosbeak

\_\_\_ Purple Finch  
\_\_\_ House/Purple Finch  
\_\_\_ Common Redpoll  
\_\_\_ Pine Siskin  
\_\_\_ American Goldfinch

**New World Sparrows**

\_\_\_ Chipping Sparrow  
\_\_\_ Clay-colored Sparrow  
\_\_\_ American Tree Sparrow  
\_\_\_ Fox Sparrow  
\_\_\_ Dark-eyed Junco  
\_\_\_ Song Sparrow

**Blackbirds**

\_\_\_ Baltimore Oriole  
\_\_\_ Red-winged Blackbird  
\_\_\_ Common Grackle

**Wood-Warblers**

\_\_\_ Tennessee Warbler  
\_\_\_ Nashville Warbler  
\_\_\_ Common Yellowthroat  
\_\_\_ American Redstart  
\_\_\_ Yellow Warbler  
\_\_\_ Palm Warbler  
\_\_\_ Pine Warbler  
\_\_\_ Yellow-rumped Warbler  
\_\_\_ Wilson's Warbler

**Cardinals, Grosbeaks, and Allies**

\_\_\_ Scarlet Tanager  
\_\_\_ Northern Cardinal

This field checklist was generated using eBird (ebird.org)

**APPENDIX E-21      Hayward Project IPaC Official Species List**



# United States Department of the Interior



FISH AND WILDLIFE SERVICE  
Minnesota-Wisconsin Ecological Services Field Office  
3815 American Blvd East  
Bloomington, MN 55425-1659  
Phone: (952) 858-0793 Fax: (952) 646-2873

In Reply Refer To:  
Project Code: 2023-0058040  
Project Name: Hayward Hydroelectric Project FERC Relicensing

October 30, 2023

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

## To Whom It May Concern:

This response has been generated by the Information, Planning, and Conservation (IPaC) system to provide information on natural resources that could be affected by your project. The U.S. Fish and Wildlife Service (Service) provides this response under the authority of the Endangered Species Act of 1973 (16 U.S.C. 1531-1543), the Bald and Golden Eagle Protection Act (16 U.S.C. 668-668d), the Migratory Bird Treaty Act (16 U.S.C. 703-712), and the Fish and Wildlife Coordination Act (16 U.S.C. 661 *et seq.*).

### **Threatened and Endangered Species**

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and may be affected by your proposed project. The species list fulfills the requirement for obtaining a Technical Assistance Letter from the U.S. Fish and Wildlife Service under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the IPaC system by completing the same process used to receive the enclosed list.

### **Consultation Technical Assistance**

Please refer to our [Section 7 website](#) for guidance and technical assistance, including [step-by-step instructions](#) for making effects determinations for each species that might be present and for specific guidance on the following types of projects: projects in developed areas, HUD, CDBG, EDA, USDA Rural Development projects, pipelines, buried utilities, telecommunications, and requests for a Conditional Letter of Map Revision (CLOMR) from FEMA.

We recommend running the project (if it qualifies) through our **Minnesota-Wisconsin Federal Endangered Species Determination Key (Minnesota-Wisconsin ("D-key"))**. A [demonstration video](#) showing how-to access and use the determination key is available. Please note that the Minnesota-Wisconsin D-key is the third option of 3 available d-keys. D-keys are tools to help Federal agencies and other project proponents determine if their proposed action has the potential to adversely affect federally listed species and designated critical habitat. The Minnesota-Wisconsin D-key includes a structured set of questions that assists a project proponent in determining whether a proposed project qualifies for a certain predetermined consultation outcome for all federally listed species found in Minnesota and Wisconsin (except for the northern long-eared bat- see below), which includes determinations of "no effect" or "may affect, not likely to adversely affect." In each case, the Service has compiled and analyzed the best available information on the species' biology and the impacts of certain activities to support these determinations.

If your completed d-key output letter shows a "No Effect" (NE) determination for all listed species, print your IPaC output letter for your files to document your compliance with the Endangered Species Act.

For Federal projects with a "Not Likely to Adversely Affect" (NLAA) determination, our concurrence becomes valid if you do not hear otherwise from us after a 30-day review period, as indicated in your letter.

If your d-key output letter indicates additional coordination with the Minnesota-Wisconsin Ecological Services Field Office is necessary (i.e., you get a "May Affect" determination), you will be provided additional guidance on contacting the Service to continue ESA coordination outside of the key; ESA compliance cannot be concluded using the key for "May Affect" determinations unless otherwise indicated in your output letter.

**Note: Once you obtain your official species list, you are not required to continue in IPaC with d-keys, although in most cases these tools should expedite your review.** If you choose to make an effects determination on your own, you may do so. If the project is a Federal Action, you may want to review our section 7 step-by-step instructions before making your determinations.

### **Using the IPaC Official Species List to Make No Effect and May Affect Determinations for Listed Species**

1. If IPaC returns a result of "There are no listed species found within the vicinity of the project," then project proponents can conclude the proposed activities will have **no effect** on any federally listed species under Service jurisdiction. Concurrence from the Service is not required for **no effect** determinations. No further consultation or coordination is required. Attach this letter to the dated IPaC species list report for your records.
  2. If IPaC returns one or more federally listed, proposed, or candidate species as potentially present in the action area of the proposed project – other than bats (see below) – then project proponents must determine if proposed activities will have **no effect** on or **may affect** those species. For assistance in determining if suitable habitat for listed, candidate, or proposed species occurs within your project area or if species may be affected by project activities, you can obtain [Life History Information for Listed and Candidate Species](#) on our office website. If no impacts will occur to a species on the IPaC species list (e.g., there is no habitat present in the project area), the appropriate determination is **no effect**. No further consultation or coordination is required. Attach this letter to the dated IPaC species list report for your records.
-

3. Should you determine that project activities **may affect** any federally listed, please contact our office for further coordination. Letters with requests for consultation or correspondence about your project should include the Consultation Tracking Number in the header. Electronic submission is preferred.

### **Northern Long-Eared Bats**

Northern long-eared bats occur throughout Minnesota and Wisconsin and the information below may help in determining if your project may affect these species.

This species hibernates in caves or mines only during the winter. In Minnesota and Wisconsin, the hibernation season is considered to be November 1 to March 31. During the active season (April 1 to October 31) they roost in forest and woodland habitats. Suitable summer habitat for northern long-eared bats consists of a wide variety of forested/wooded habitats where they roost, forage, and travel and may also include some adjacent and interspersed non-forested habitats such as emergent wetlands and adjacent edges of agricultural fields, old fields and pastures. This includes forests and woodlots containing potential roosts (i.e., live trees and/or snags  $\geq 3$  inches dbh for northern long-eared bat that have exfoliating bark, cracks, crevices, and/or hollows), as well as linear features such as fencerows, riparian forests, and other wooded corridors. These wooded areas may be dense or loose aggregates of trees with variable amounts of canopy closure. Individual trees may be considered suitable habitat when they exhibit the characteristics of a potential roost tree and are located within 1,000 feet (305 meters) of forested/wooded habitat. Northern long-eared bats have also been observed roosting in human-made structures, such as buildings, barns, bridges, and bat houses; therefore, these structures should also be considered potential summer habitat and evaluated for use by bats. If your project will impact caves or mines or will involve clearing forest or woodland habitat containing suitable roosting habitat, northern long-eared bats could be affected.

Examples of unsuitable habitat include:

- Individual trees that are greater than 1,000 feet from forested or wooded areas,
- Trees found in highly developed urban areas (e.g., street trees, downtown areas),
- A pure stand of less than 3-inch dbh trees that are not mixed with larger trees, and
- A monoculture stand of shrubby vegetation with no potential roost trees.

If IPaC returns a result that northern long-eared bats are potentially present in the action area of the proposed project, project proponents can conclude the proposed activities **may affect** this species **IF** one or more of the following activities are proposed:

- Clearing or disturbing suitable roosting habitat, as defined above, at any time of year,
- Any activity in or near the entrance to a cave or mine,
- Mining, deep excavation, or underground work within 0.25 miles of a cave or mine,
- Construction of one or more wind turbines, or
- Demolition or reconstruction of human-made structures that are known to be used by bats based on observations of roosting bats, bats emerging at dusk, or guano deposits or stains.

*If none of the above activities are proposed*, project proponents can conclude the proposed activities will have **no effect** on the northern long-eared bat. Concurrence from the Service is not required for **No**

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**Effect** determinations. No further consultation or coordination is required. Attach this letter to the dated IPaC species list report for your records.

*If any of the above activities are proposed*, and the northern long-eared bat appears on the user's species list, the federal project user will be directed to either the range-wide northern long-eared bat D-key or the Federal Highways Administration, Federal Railways Administration, and Federal Transit Administration Indiana bat/Northern long-eared bat D-key, depending on the type of project and federal agency involvement. Similar to the Minnesota-Wisconsin D-key, these d-keys help to determine if prohibited take might occur and, if not, will generate an automated verification letter.

*Please note:* On November 30, 2022, the Service published a proposal final rule to reclassify the northern long-eared bat as endangered under the Endangered Species Act. On January 26, 2023, the Service published a 60-day extension for the final reclassification rule in the Federal Register, moving the effective listing date from January 30, 2023, to March 31, 2023. This extension will provide stakeholders and the public time to preview interim guidance and consultation tools before the rule becomes effective. When available, the tools will be available on the Service's northern long-eared bat website (<https://www.fws.gov/species/northern-long-eared-bat-myotis-septentrionalis>). Once the final rule goes into effect on March 31, 2023, the 4(d) D-key will no longer be available (4(d) rules are not available for federally endangered species) and will be replaced with a new Range-wide NLEB D-key (range-wide d-key). For projects not completed by March 31, 2023, that were previously reviewed under the 4(d) d-key, there may be a need for reinitiation of consultation. For these ongoing projects previously reviewed under the 4(d) d-key that may result in incidental take of the northern long-eared bat, we recommend you review your project using the new range-wide d-key once available. If your project does not comply with the range-wide d-key, it may be eligible for use of the Interim (formal) Consultation framework (framework). The framework is intended to facilitate the transition from the 4(d) rule to typical Section 7 consultation procedures for federally endangered species and will be available only until spring 2024. Again, when available, these tools (new range-wide d-key and framework) will be available on the Service's [northern long-eared bat website](#).

### **Whooping Crane**

Whooping crane is designated as a non-essential experimental population in Wisconsin and consultation under Section 7(a)(2) of the Endangered Species Act is only required if project activities will occur within a National Wildlife Refuge or National Park. If project activities are proposed on lands outside of a National Wildlife Refuge or National Park, then you are not required to consult. For additional information on this designation and consultation requirements, please review "[Establishment of a Nonessential Experimental Population of Whooping Cranes in the Eastern United States](#)."

### **Other Trust Resources and Activities**

*Bald and Golden Eagles* - Although the bald eagle has been removed from the endangered species list, this species and the golden eagle are protected by the Bald and Golden Eagle Act and the Migratory Bird Treaty Act. Should bald or golden eagles occur within or near the project area please contact our office for further coordination. For communication and wind energy projects, please refer to additional guidelines below.

*Migratory Birds* - The Migratory Bird Treaty Act (MBTA) prohibits the taking, killing, possession, transportation, and importation of migratory birds, their eggs, parts, and nests, except when specifically authorized by the Service. The Service has the responsibility under the MBTA to proactively prevent the

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mortality of migratory birds whenever possible and we encourage implementation of [recommendations that minimize potential impacts to migratory birds](#). Such measures include clearing forested habitat outside the nesting season (generally March 1 to August 31) or conducting nest surveys prior to clearing to avoid injury to eggs or nestlings.

*Communication Towers* - Construction of new communications towers (including radio, television, cellular, and microwave) creates a potentially significant impact on migratory birds, especially some 350 species of night-migrating birds. However, the Service has developed [voluntary guidelines for minimizing impacts](#).

*Transmission Lines* - Migratory birds, especially large species with long wingspans, heavy bodies, and poor maneuverability can also collide with power lines. In addition, mortality can occur when birds, particularly hawks, eagles, kites, falcons, and owls, attempt to perch on uninsulated or unguarded power poles. To minimize these risks, please refer to [guidelines](#) developed by the Avian Power Line Interaction Committee and the Service. Implementation of these measures is especially important along sections of lines adjacent to wetlands or other areas that support large numbers of raptors and migratory birds.

*Wind Energy* - To minimize impacts to migratory birds and bats, wind energy projects should follow the Service's [Wind Energy Guidelines](#). In addition, please refer to the Service's [Eagle Conservation Plan Guidance](#), which provides guidance for conserving bald and golden eagles in the course of siting, constructing, and operating wind energy facilities.

#### **State Department of Natural Resources Coordination**

While it is not required for your Federal section 7 consultation, please note that additional state endangered or threatened species may also have the potential to be impacted. Please contact the Minnesota or Wisconsin Department of Natural Resources for information on state listed species that may be present in your proposed project area.

##### *Minnesota*

[Minnesota Department of Natural Resources - Endangered Resources Review Homepage](#)

Email: [Review.NHIS@state.mn.us](mailto:Review.NHIS@state.mn.us)

##### *Wisconsin*

[Wisconsin Department of Natural Resources - Endangered Resources Review Homepage](#)

Email: [DNRERReview@wi.gov](mailto:DNRERReview@wi.gov)

We appreciate your concern for threatened and endangered species. Please feel free to contact our office with questions or for additional information.

#### Attachment(s):

- Official Species List
  - USFWS National Wildlife Refuges and Fish Hatcheries
  - Bald & Golden Eagles
  - Migratory Birds
  - Wetlands
-

## **OFFICIAL SPECIES LIST**

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

**Minnesota-Wisconsin Ecological Services Field Office**

3815 American Blvd East

Bloomington, MN 55425-1659

(952) 858-0793

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## PROJECT SUMMARY

Project Code: 2023-0058040

Project Name: Hayward Hydroelectric Project FERC Relicensing

Project Type: Dam - Operations

Project Description: Relicensing of the existing Hayward Hydroelectric Project in order to continue operating the project in a run-of-river mode for power generation. License application is due in 2023.

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@46.013981,-91.47752591375246,14z>



Counties: Sawyer County, Wisconsin

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## ENDANGERED SPECIES ACT SPECIES

There is a total of 6 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries<sup>1</sup>, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

- 
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

## MAMMALS

NAME	STATUS
Canada Lynx <i>Lynx canadensis</i> Population: Wherever Found in Contiguous U.S. There is <b>final</b> critical habitat for this species. Your location does not overlap the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/3652">https://ecos.fws.gov/ecp/species/3652</a>	Threatened
Gray Wolf <i>Canis lupus</i> Population: U.S.A.: All of AL, AR, CA, CO, CT, DE, FL, GA, IA, IN, IL, KS, KY, LA, MA, MD, ME, MI, MO, MS, NC, ND, NE, NH, NJ, NV, NY, OH, OK, PA, RI, SC, SD, TN, TX, VA, VT, WI, and WV; and portions of AZ, NM, OR, UT, and WA. Mexico. There is <b>final</b> critical habitat for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/4488">https://ecos.fws.gov/ecp/species/4488</a>	Endangered
Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/9045">https://ecos.fws.gov/ecp/species/9045</a>	Endangered
Tricolored Bat <i>Perimyotis subflavus</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/10515">https://ecos.fws.gov/ecp/species/10515</a>	Proposed Endangered

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## BIRDS

NAME	STATUS
Whooping Crane <i>Grus americana</i> Population: U.S.A. (AL, AR, CO, FL, GA, ID, IL, IN, IA, KY, LA, MI, MN, MS, MO, NC, NM, OH, SC, TN, UT, VA, WI, WV, western half of WY) No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/758">https://ecos.fws.gov/ecp/species/758</a>	Experimental Population, Non- Essential

## INSECTS

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/9743">https://ecos.fws.gov/ecp/species/9743</a>	Candidate

## CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

## USFWS NATIONAL WILDLIFE REFUGE LANDS AND FISH HATCHERIES

Any activity proposed on lands managed by the [National Wildlife Refuge](#) system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS OR FISH HATCHERIES WITHIN YOUR PROJECT AREA.

## BALD & GOLDEN EAGLES

Bald and golden eagles are protected under the Bald and Golden Eagle Protection Act<sup>1</sup> and the Migratory Bird Treaty Act<sup>2</sup>.

Any person or organization who plans or conducts activities that may result in impacts to bald or golden eagles, or their habitats<sup>3</sup>, should follow appropriate regulations and consider implementing appropriate conservation measures, as described below.

- 
1. The [Bald and Golden Eagle Protection Act](#) of 1940.
  2. The [Migratory Birds Treaty Act](#) of 1918.
  3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

**There are bald and/or golden eagles in your project area.**

---

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the **PROBABILITY OF PRESENCE SUMMARY** at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
<b>Bald Eagle <i>Haliaeetus leucocephalus</i></b> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. <a href="https://ecos.fws.gov/ecp/species/1626">https://ecos.fws.gov/ecp/species/1626</a>	Breeds Dec 1 to Aug 31
<b>Golden Eagle <i>Aquila chrysaetos</i></b> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. <a href="https://ecos.fws.gov/ecp/species/1680">https://ecos.fws.gov/ecp/species/1680</a>	Breeds Jan 1 to Aug 31

## PROBABILITY OF PRESENCE SUMMARY

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read the supplemental information and specifically the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

### Probability of Presence (■)

Green bars; the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during that week of the year.

### Breeding Season (■)

Yellow bars; liberal estimate of the timeframe inside which the bird breeds across its entire range.

### Survey Effort (|)

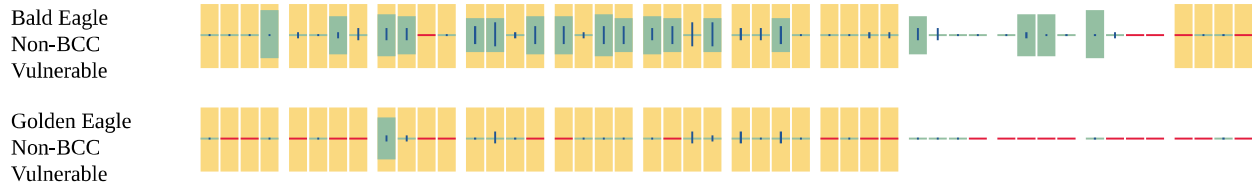
Vertical black lines; the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

### No Data (—)

A week is marked as having no data if there were no survey events for that week.

■ probability of presence   ■ breeding season   | survey effort   — no data

SPECIES      JAN   FEB   MAR   APR   MAY   JUN   JUL   AUG   SEP   OCT   NOV   DEC



Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds>
- Nationwide conservation measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>
- Supplemental Information for Migratory Birds and Eagles in IPaC <https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

## MIGRATORY BIRDS

Certain birds are protected under the Migratory Bird Treaty Act<sup>1</sup> and the Bald and Golden Eagle Protection Act<sup>2</sup>.

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats<sup>3</sup> should follow appropriate regulations and consider implementing appropriate conservation measures, as described below.

1. The [Migratory Birds Treaty Act](#) of 1918.
2. The [Bald and Golden Eagle Protection Act](#) of 1940.
3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
Bald Eagle <i>Haliaeetus leucocephalus</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. <a href="https://ecos.fws.gov/ecp/species/1626">https://ecos.fws.gov/ecp/species/1626</a>	Breeds Dec 1 to Aug 31

NAME	BREEDING SEASON
<p><b>Black Tern <i>Chlidonias niger</i></b>            This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.  <a href="https://ecos.fws.gov/ecp/species/3093">https://ecos.fws.gov/ecp/species/3093</a></p>	Breeds May 15 to Aug 20
<p><b>Black-billed Cuckoo <i>Coccyzus erythrophthalmus</i></b>            This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.  <a href="https://ecos.fws.gov/ecp/species/9399">https://ecos.fws.gov/ecp/species/9399</a></p>	Breeds May 15 to Oct 10
<p><b>Bobolink <i>Dolichonyx oryzivorus</i></b>            This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.  <a href="https://ecos.fws.gov/ecp/species/9454">https://ecos.fws.gov/ecp/species/9454</a></p>	Breeds May 20 to Jul 31
<p><b>Canada Warbler <i>Cardellina canadensis</i></b>            This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.  <a href="https://ecos.fws.gov/ecp/species/9643">https://ecos.fws.gov/ecp/species/9643</a></p>	Breeds May 20 to Aug 10
<p><b>Chimney Swift <i>Chaetura pelagica</i></b>            This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.  <a href="https://ecos.fws.gov/ecp/species/9406">https://ecos.fws.gov/ecp/species/9406</a></p>	Breeds Mar 15 to Aug 25
<p><b>Evening Grosbeak <i>Coccothraustes vespertinus</i></b>            This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.  <a href="https://ecos.fws.gov/ecp/species/9465">https://ecos.fws.gov/ecp/species/9465</a></p>	Breeds May 15 to Aug 10
<p><b>Golden Eagle <i>Aquila chrysaetos</i></b>            This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.  <a href="https://ecos.fws.gov/ecp/species/1680">https://ecos.fws.gov/ecp/species/1680</a></p>	Breeds Jan 1 to Aug 31
<p><b>Golden-winged Warbler <i>Vermivora chrysoptera</i></b>            This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.  <a href="https://ecos.fws.gov/ecp/species/8745">https://ecos.fws.gov/ecp/species/8745</a></p>	Breeds May 1 to Jul 20
<p><b>Wood Thrush <i>Hylocichla mustelina</i></b>            This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.  <a href="https://ecos.fws.gov/ecp/species/9431">https://ecos.fws.gov/ecp/species/9431</a></p>	Breeds May 10 to Aug 31

## PROBABILITY OF PRESENCE SUMMARY

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read the supplemental



information and specifically the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

**Probability of Presence (■)**

Green bars; the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during that week of the year.

**Breeding Season (■)**

Yellow bars; liberal estimate of the timeframe inside which the bird breeds across its entire range.

**Survey Effort (|)**

Vertical black lines; the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

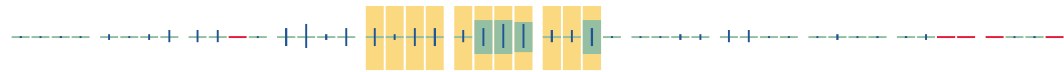
**No Data (-)**

A week is marked as having no data if there were no survey events for that week.



Non-BCC  
Vulnerable

Golden-winged  
Warbler  
BCC Rangewide  
(CON)



Wood Thrush  
BCC Rangewide  
(CON)



Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incident-take-migratory-birds>
- Nationwide conservation measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>
- Supplemental Information for Migratory Birds and Eagles in IPaC <https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

## WETLANDS

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

### RIVERINE

- R4SBC
- R2UBH
- R5UBH

### LAKE

- L2ABH
- L1UBH

### FRESHWATER FORESTED/SHRUB WETLAND

- PFO1/EM1Bg
- PSS1Bg
- PFO1/SS1Bg

- PFO1Bg
- PSS1/EM1Bg
- PFO1/4Bg
- PFO4/SS3Bg

FRESHWATER POND

- PUBGx
- PABG
- PUBH

FRESHWATER EMERGENT WETLAND

- PEM1C
-

## **IPAC USER CONTACT INFORMATION**

Agency: Mead & Hunt  
Name: Darrin Johnson  
Address: 2440 Deming Way  
City: Middleton  
State: WI  
Zip: 53562  
Email: darrin.johnson@meadhunt.com  
Phone: 6084430313

## **LEAD AGENCY CONTACT INFORMATION**

Lead Agency: Department of Energy

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**APPENDIX E-22      Hayward Project ER Review**

**This Appendix has been filed separately as a privileged document.**

**APPENDIX E-23      Wood and Blanding's Turtle Study Report**



# Lake Hayward and Trego Lake Wood and Blanding's Turtle Nesting Habitat Study Report

Northern States Power Company  
Hayward and Trego Hydroelectric Projects

GAI Project Number: R220323.02  
| FERC Nos. 2417 and 2711  
January 2023



Prepared by:  
GAI Consultants, Inc.  
3313 S Packerland Drive, Suite E  
De Pere, Wisconsin 54115

Prepared on behalf of:  
Mead & Hunt  
1702 Lawrence Drive  
De Pere, Wisconsin 54115

# Lake Hayward and Trego Lake Wood and Blanding's Turtle Nesting Habitat Study Report

Northern States Power Company  
Hayward Hydroelectric Project (FERC Project No. 2417)  
Trego Hydroelectric Project (FERC Project No. 2711)

GAI Project Number: R220323.02  
FERC #s: 2417, 2711

January 2023

Prepared for:  
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1702 Lawrence Drive  
De Pere, WI 54115

Prepared by:  
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3313 S Packerland Drive, Suite E  
De Pere, Wisconsin 54115

Report Authors:



Digitally signed by Laura Sass  
DN: cn=Laura Sass, o=GAI Consultants,  
Inc., ou=Oil & Gas MW SW,  
email=l.sass@gaiconsultants.com, c=US  
Date: 2023.01.30 10:27:49 -06'00'

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Laura Sass  
Senior Project Environmental Specialist



Digitally signed by Mary Rohde  
DN: cn=Mary Rohde, o, ou,  
email=m.rohde@gaiconsultants.com, c=US  
Date: 2023.01.30 13:32:29 -06'00'

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Mary Rohde  
Senior Environmental Manager / Associate



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## 1.0 Project Overview

The Hayward and Trego Hydroelectric Projects (Project or Projects) are located in the Town of Hayward, Sawyer County, Wisconsin and the Town of Trego, Washburn County, Wisconsin, respectively (Figures 1 and 2). The Projects are owned, operated, and maintained by Northern States Power Company, a Wisconsin corporation (Licensee) and operate under the authority of the Federal Energy Regulatory Commission (FERC). The current FERC license for both Hayward and Trego expire on November 30, 2025. As part of the relicensing process, the Wisconsin Department of Natural Resources (WDNR) requested the Licensee complete a wood and Blanding's turtle nesting habitat study to identify areas with suitable nesting habitat within the existing and proposed Project boundaries. On behalf of Mead & Hunt, GAI is pleased to submit the results of a Wood and Blanding's Turtle Nesting Habitat Study (Study or Studies) conducted June 6-8, 2022, to fulfill this request. This Study report provides baseline data on available suitable nesting habitat in the following areas for both Projects:

- Reservoir shorelines upstream (surveyed by boat) and downstream (surveyed on foot) of the Hayward and Trego dams,
- Upland shoreline owned by the Licensee and open to the public (Figure 3; surveyed on foot), and
- Upland areas within 200 feet of the river's edge for wood turtles and at least 984 feet for Blanding's turtles (surveyed on foot where feasible, and via remote desktop where access was not appropriate (i.e., private lands not owned by Licensee).

## 2.0 Introduction

Lake Hayward is a 191-acre impoundment located in the middle of the Namekagon River Watershed which is primarily forest and wetland. It is considered an outstanding/exceptional resource water under NR102 under the WDNR Fisheries Program. The city of Hayward, and in effect the lake's namesake, came from the last name of its founder who realized the potential of this area of the Namekagon River as a mill pond for timber storage. Dams were first constructed in 1882 for this purpose, a year after the railroad was constructed in this area. The large wood posts from the old railway that transported the lumber are still present in the lake today, now fulfilling a purpose as fish habitat.

Trego Lake is a 383-acre impoundment, also located in the middle of the Namekagon River Watershed and is considered an outstanding/exceptional resource water under NR102. As with most communities in the area, the Town of Trego was created in part by the railroads and a need for logging in the 1800s. The area is now popular for recreational activities. Trego Lake is managed for power generation, fishing, and swimming but is currently considered impaired due to excess algal growth per the WDNR Surface Water Data Viewer. Since 1989, the Trego Lake District has been working to improve the lake and water quality.

Both lakes are located on the mainstem of the Namekagon River, placing them within the St. Croix National Scenic Riverway.

The wood turtle (*Glyptemys insculpta*) is a state threatened species known to be present within the boundaries of both Projects. Wood turtles prefer flowing rivers and streams with adjacent wetlands and upland deciduous forests. The turtle is unique in that it is more terrestrial than many other turtles of Wisconsin, preferring to forage in open wet meadows and shrub-carr habitats. They overwinter in river areas that are protected from freezing solid such as deep holes and undercut banks. After emerging in the spring, these turtles will forage up to 300 meters (984 feet) from their waterbody. Wood turtles will build nests from late May to early July within 61 meters (200 feet) from water's edge, in open gravel or sandy areas. The young hatch the same summer and do not overwinter in the nest as some Wisconsin turtle species (WDNR 2015).

The Blanding's turtle (*Emydoidea blandingii*) is a Wisconsin special concern species that is also known to be present near both Projects. Blanding's turtles are most commonly found in shallow, slow-moving waters that have plentiful vegetation. Marshes that are adjacent to rivers provide ideal habitat. During the active season, adults prefer shallow water, and for overwintering, they prefer deeper water, up to 3 feet. Blanding's turtles are only be found in uplands when moving between wetlands, nesting, or moving to overwintering sites. Adults will travel up to several miles during the active season when foraging. Nesting occurs from mid-late May through early July and hatchlings emerge from early August through mid-October. Hatchlings do not typically overwinter in nests. Blanding's turtles have the slowest maturation of any turtle in the state, reaching sexual maturity between 17-20 years of age (WDNR 2017).

While wood turtles and Blanding's turtles are known to be present within or near both Project boundaries, and known suitable habitat is present for both species in the vicinity of both Projects, survey data is limited. As part of the relicensing process, the WDNR requested a wood and Blanding's turtle study to further the knowledge of turtle distribution within the watershed. This Study identifies areas of suitable wood turtle nesting habitat within 200 feet of the shoreline of Lake Hayward and Trego Lake and within 984 feet of the shoreline for Blanding's turtles. Surveys for presence/absence of basking and nesting wood turtles along the shoreline were conducted concurrently with the mapping efforts. This report summarizes the results of the 2022 Wood Turtle and Blanding's Turtle Nesting Habitat Study.

### 3.0 Methodology

Prior to performing the field work, GAI mapped 200-foot and 984-foot buffers of the shorelines within the Projects' areas (Figures 4 and 5). Topography maps and parcel ownership were then reviewed for terrestrial access feasibility. A portion of the buffer of the Hayward Project is predominantly urban-residential, defined by the WDNR as ground cover that consists of impermeable surfaces, landscaped areas, and manicured lawns having consistent grass coverage with height less than 6 inches between mowing. This landcover type is not considered suitable habitat for nesting turtles, and therefore was not surveyed (Figure 6).

Shorelines within the existing and proposed boundaries of each Project were surveyed for the presence of wood and Blanding's turtle nesting habitat. The reservoirs' shorelines were surveyed by boat, moving slowly, parallel to the shore and using binoculars to provide a good view into the riparian and upland areas (Figures 6 and 7). The bypassed reach at Hayward and the Namekagon River downstream of the Trego dam were surveyed on foot, as were the areas accessible to the public (Figure 3). Roads within the nesting buffers were driven to identify suitable nesting habitat in upland areas such as road shoulders, roads, driveways, and on private property that could be seen from the road.

Suitable turtle nesting habitat was mapped using a Trimble R1 GNSS Receiver with a GPS device. Any additional areas (i.e., those areas which could not be viewed from a publicly accessible vantage point) were assessed via desktop using the information gained from the road and boat surveys to approximate the extent of suitable nesting habitat as completely as possible. Surveys took place at Trego on June 6 and 8, and at Hayward on June 6 and 7, 2022 when air temperatures were between 50 - 80 degrees Fahrenheit (° F). High temperatures ranged from 69° F to 77° F. Suitable nesting habitat included a sand or gravel substrate that was either unvegetated or sparsely vegetated, received sun exposure for most of the day during late spring or summer, and was within 984 feet of the river's edge.

In addition to mapping the nesting habitat, the presence and species of any basking turtles was recorded as was any observed evidence of turtle nesting activity within the survey area. Visual encounter surveys (VES) for presence/absence of basking and nesting wood and Blanding's turtles on shorelines and along roadways were conducted concurrently, approximating WDNR survey guidelines

(WDNR PUB-ER-684, WDNR PUB-ER-683). Shoreline VES were completed by motoring around the perimeter of each lake by boat.

Licensee-owned property open to the public within 984 feet of the water was meandered on foot (Figure 3). Within these areas, two surveyors walked abreast approximately 10-15 meters apart along the shoreline, adjusting the intervals to accommodate for topography and vegetation restrictions. Roads within the nesting buffers were driven to look for turtles on road shoulders, roads, driveways, and on private property that could be seen from the road. Because the wood and Blanding's turtles are known to be present within the vicinity of both Projects, and it was assumed that the species are also present within the Project boundaries, the surveys to identify nesting and basking wood and Blanding's turtles were conducted only once, concurrent with the nesting habitat surveys.

## 4.0 Results and Discussion

During the visual encounter surveys, no wood or Blanding's turtles were observed at either the Hayward or Trego Projects. Basking painted turtles were observed at Hayward and were restricted to the eastern half of the lake, which contains substantially more natural shoreline and basking areas. Many painted turtles (*Chrysemys picta*), softshell turtles (*Apalone* spp.) and snapping turtles (*Chelydra serpentina*) were observed in the Trego Project area. The Trego Project had a higher number of turtles observed than the Hayward Project. On one log alone, 17 painted turtles and 1 snapping turtle were observed. Turtles were present throughout the lake and basking logs along the shoreline of Trego Lake were plentiful. Fewer logs and turtles were observed upstream where the project is more riverine. Observed species consisted primarily of painted turtles; however snapping and softshell turtles were also seen in more than one location. Photographs of turtle nesting habitat around Hayward and Trego Lakes can be found in Attachment A.

### 4.1 Hayward Project

A total of 1,529,800 square feet (35.12 acres) of turtle nesting habitat was mapped within 984 feet of Lake Hayward and therefore suitable for Blanding's turtle nesting; 278,653 square feet (6.40 acres) of this nesting habitat was within 200 feet of the shore and therefore suitable for wood turtle nesting (Figure 6). The majority of nesting habitat mapped consisted of gravel roads, road shoulders, driveways, and parking lots. Lake Hayward has a heavily developed shoreline and minimal suitable nesting habitat is present. Shoreline residential areas were generally dominated by manicured lawns and devoid of basking logs in the water; only a few residential property shorelines had small sandy areas that could be suitable for turtle nesting.

Wood and Blanding's turtles have been previously documented in the river below the Hayward Dam. This area presents high quality habitat for both turtles, providing flowing water, varied in-stream habitat, natural shorelines, and forage areas, yet suitable nesting area is relatively low in the more natural areas. The shoreline below the dam is mostly thick vegetation and alder thicket. The downstream shoreline also had an area of steep sloped bank, a creek, and an area having standing water. This type of habitat provides basking and forage habitat for both species.

While wood and Blanding's turtles are likely using the river where they have been documented below the Hayward Dam, and possibly the riverine area upstream of the impoundment (currently undocumented), it is less likely that they are using the lake proper. Shoreline development around the lake, lack of flow and shallow water, and lack of basking areas make Lake Hayward undesirable for both species. It is possible, however, that the turtles are using the lake to overwinter.

Aside from roads, driveways, and parking areas, only two very small natural areas were mapped below the dam as potential nesting habitat. High levels of open sandy/gravel areas associated with human transportation may increase human induced mortality, however, a

recent study has suggested that anthropogenic perturbation of this sort may actually increase turtle nesting success (Murphy et al. 2022).

## 4.2 Trego Project

A total of 1,190,355 square feet (27.33 acres) of turtle nesting habitat was mapped within 984 feet of the Project area shoreline and therefore suitable for Blanding's turtle nesting. Suitable wood turtle nesting habitat within 200 ft of the shoreline comprised approximately 210,344 square feet or 4.83 acres (Figure 7). As with the Hayward Project, most of the suitable nesting habitat mapped within the Trego Project boundary buffers were areas of human disturbance, including roads, roadsides, driveways, parking lots, and single-track off-road routes. However, overall residential development along the shoreline and throughout the buffers was much lower. Several natural sandy areas along the shoreline provided suitable nesting habitat as well as one beach area where basking softshell turtles were observed on multiple occasions.

Overall, high quality and varied habitat is present for turtles throughout the Project buffer, and it is likely that wood and Blanding's turtles are selectively using the adjacent riverine and wetland habitats. Wood turtles have been previously documented in the river below the dam, above the impoundment, and in Mackay Creek. Blanding's turtles have been reported within a mile of the Project, but not within the Namekagon River in this area. The Namekagon River presents high quality habitat for both turtle species, providing flowing water, varied in-stream habitat, natural shorelines, adjacent upland and wetland forage areas, and overwintering habitat. Mackay Creek flowing into the Project area also provides good flow, clear water, and varied natural habitat. This area is bordered by healthy wild rice beds and emergent marsh plants. It is likely that both turtle species are using the river and creek in the Project boundary, and likely to a lesser extent the lake. The lake is deeper than either turtle prefers, and flow velocity in the lake is low. Due to the ample prime habitat in adjacent areas, it is expected that the areas of deep water and low flow are not being selected by these turtles. It is possible that the turtles are using the lake to overwinter, but the adjacent riverine habitats also provide suitable overwintering areas.

## 5.0 Conclusion

No nesting wood or Blanding's turtles were observed, and no wood or Blanding's turtle nests were found during this survey. While the surveyors on this project did not document nesting turtles or turtle nests of any species, it is likely that nesting success is occurring, an assumption made based on the availability of open sandy/gravel areas that are associated with no or very low human transportation. The lack of observance is likely reflective of the time of day and the short period of time surveys were conducted. Turtles are generally more active in the early mornings and late evenings and possibly after storm events.

Recent research suggests the tradeoff between human induced turtle mortality along roads may be offset by the decrease of predation of nests in these areas (Murphy et al. 2022). Natural landscape in the area was historically wooded with few areas of exposed sandy/gravelly substrate suitable for nesting. When suitable nesting areas are limited, many turtles nest in the same area, and predators can easily find the aggregate nests. As anthropogenic development increases, areas of exposed sand and gravel, turtles are able to spread out their nests. Additionally, predation was found to be lower on nests occurring along a road in a linear fashion.

Nest site fidelity and other nesting ecological traits may put the wood turtle at risk (Walde et al. 2007). Female wood turtles have been found to have high nesting site fidelity. In addition, they may stage in an area for several days before completing a nest. Staging, nest-site fidelity, and a relatively short nesting season make them vulnerable to anthropogenic disturbances.

Comparatively, fewer turtles were observed at Hayward than Trego. A lack of basking logs was observed in Hayward compared to Trego. Turtle density has been correlated with the availability of

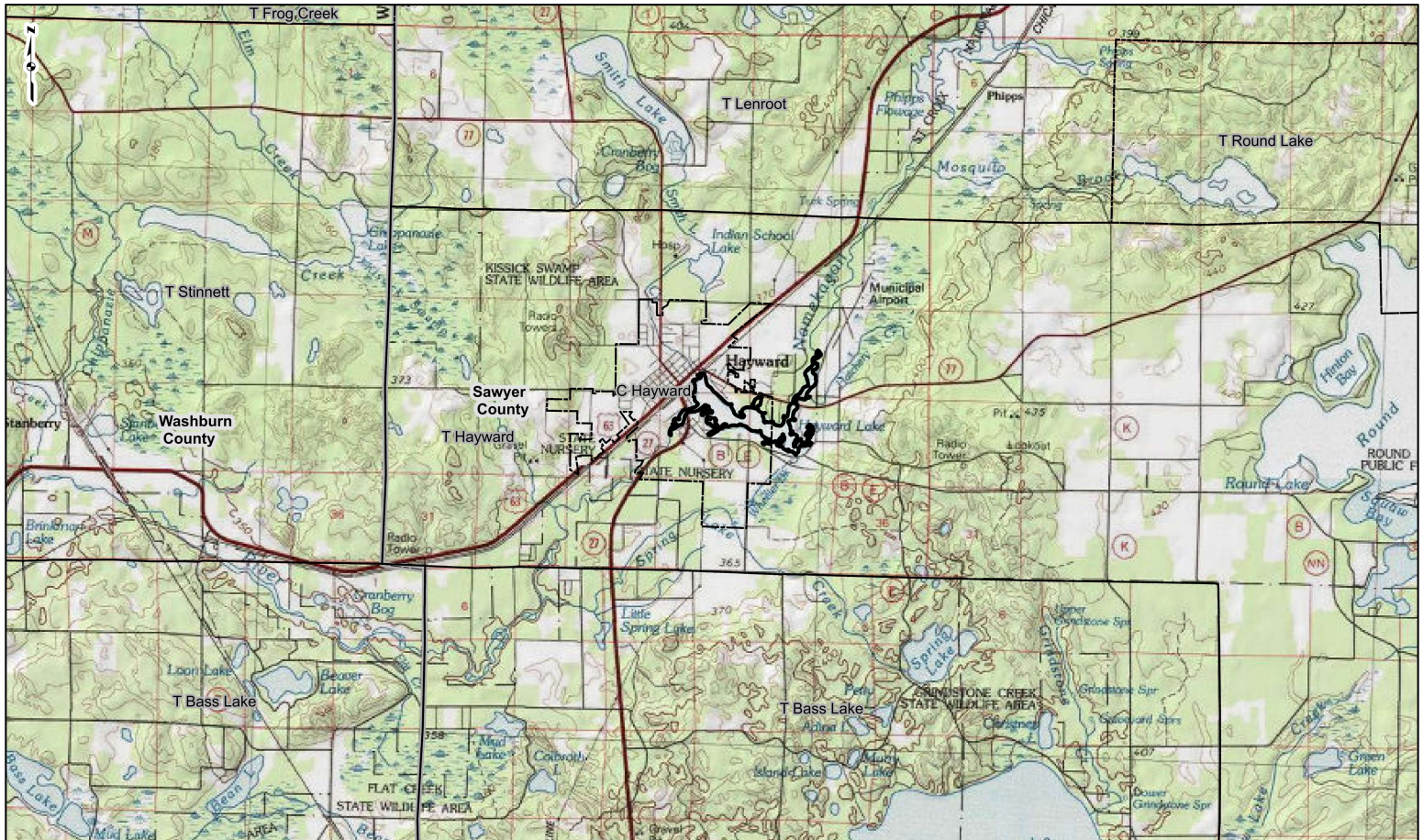
basking areas and lack of basking logs may have a detrimental effect on turtle densities (Lindeman 1999).

Overall, habitat for both wood and Blanding's turtles was observed to be present and of high quality in both locations. More undeveloped area was present within the Trego Project than the Hayward Project; Hayward having a great amount of anthropogenic development in the 984-foot buffer of that Project. Both Blanding's and wood turtles have been documented within or in the vicinity of each Project boundary, and while ample suitable habitat was mapped in each area, most of it was the result of roads and parking lots. Presence of naturally occurring suitable nesting habitat was low within both Project boundaries; Trego having more than Hayward.

## 6.0 References

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- Murphy, Rowan E., Amanda E. Martin, and Lenore Fahrig. 2022. Reduced Predation on Roadside Nests Can Compensate for Road Mortality in Road-Adjacent Turtle Populations." *Ecosphere* 13(2): e3946. <https://doi.org/10.1002/ecs2.3946>.
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- Wisconsin Department of Natural Resources. 2015. Wood Turtle (*Glyptemys insculpta*) Species Guidance. Bureau of Natural Heritage Conservation, Wisconsin Department of Natural Resources, Madison, Wisconsin. PUB-ER-684.
- Wisconsin Department of Natural Resources. 2017. Blanding's Turtle (*Emydoidea blandingii*) Species Guidance. Bureau of Natural Heritage Conservation, Wisconsin Department of Natural Resources, Madison, Wisconsin. PUB-ER-683.

**FIGURE 1**  
**Hayward Hydroelectric Project Location Map**



**PROJECT LOCATION**

SAWYER COUNTY, WI

REFERENCE: ESRI USA TOPO Maps 100k Quadrangles: Spooner (1982) and Solon Springs (1981). Accessed 8/30/2022. WDNr Counties, 2011. WISLR Community Boundary 2021.

**LEGEND**

- Shoreline within Project Area
- Community Boundary
- County Boundary

0 4,000 8,000 16,000 Feet

**FIGURE 1**  
**HAYWARD HYDROELECTRIC PROJECT LOCATION MAP**

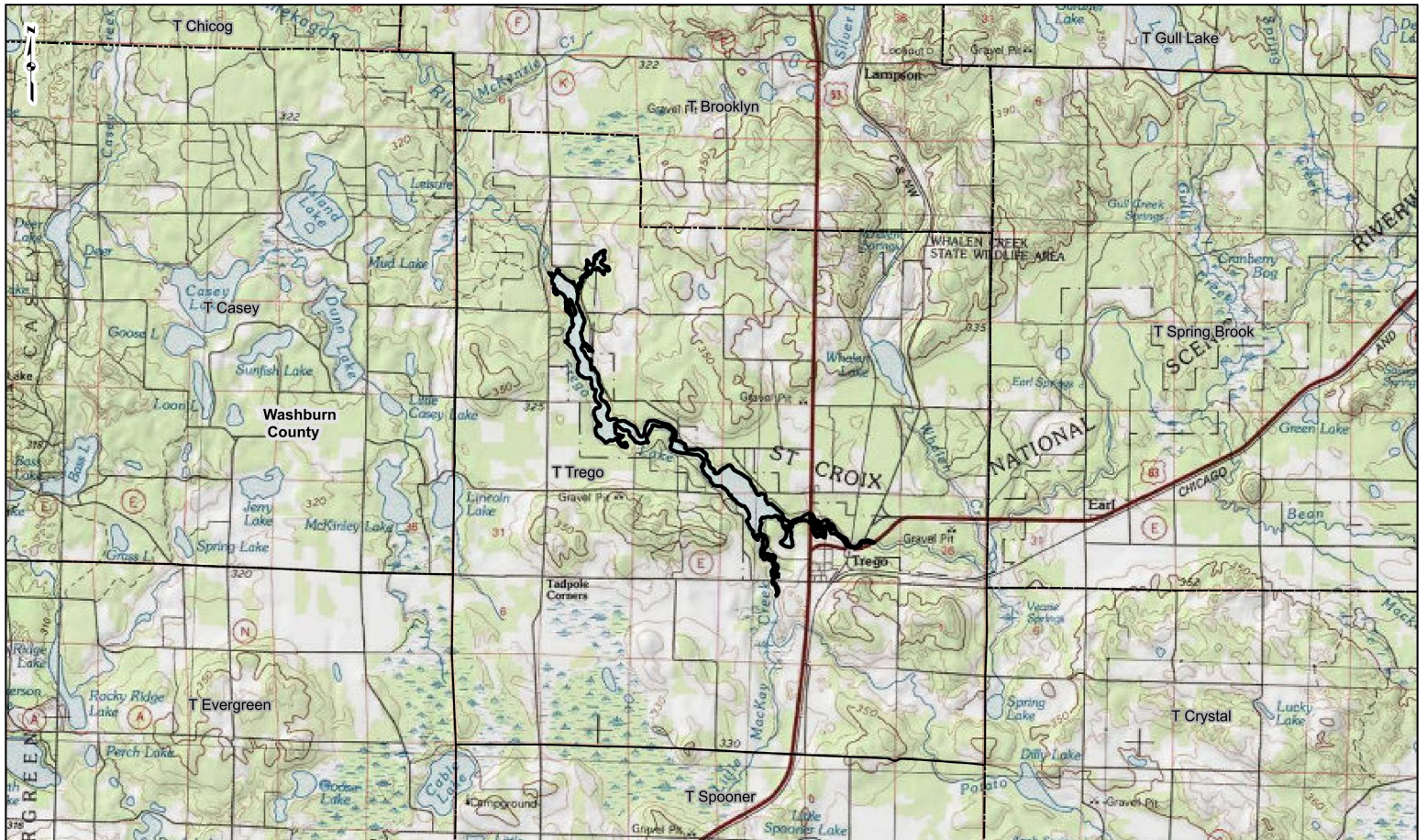
HAYWARD WOOD AND BLANDING'S TURTLE NESTING HABITAT STUDY

ga| consultants

DRAWN BY: EMW      DATE: 8/30/2022  
 CHECKED: TDB      APPROVED: LLS



**FIGURE 2**  
**Trego Hydroelectric Project Location Map**



**PROJECT LOCATION**

WASHBURN COUNTY, WI

REFERENCE: ESRI USA TOPO Maps  
 100k Quadrangles: Spooner (1982) and  
 Solon Springs (1981)  
 Accessed 8/30/2022. WDNr Counties, 2011.  
 WISLR Community Boundary 2021.

**LEGEND**

- Shoreline within Project Area
- County Boundary
- Community Boundary

0 4,000 8,000 16,000  
 Feet

**FIGURE 1**  
**TREGO HYDROELECTRIC**  
**PROJECT LOCATION MAP**

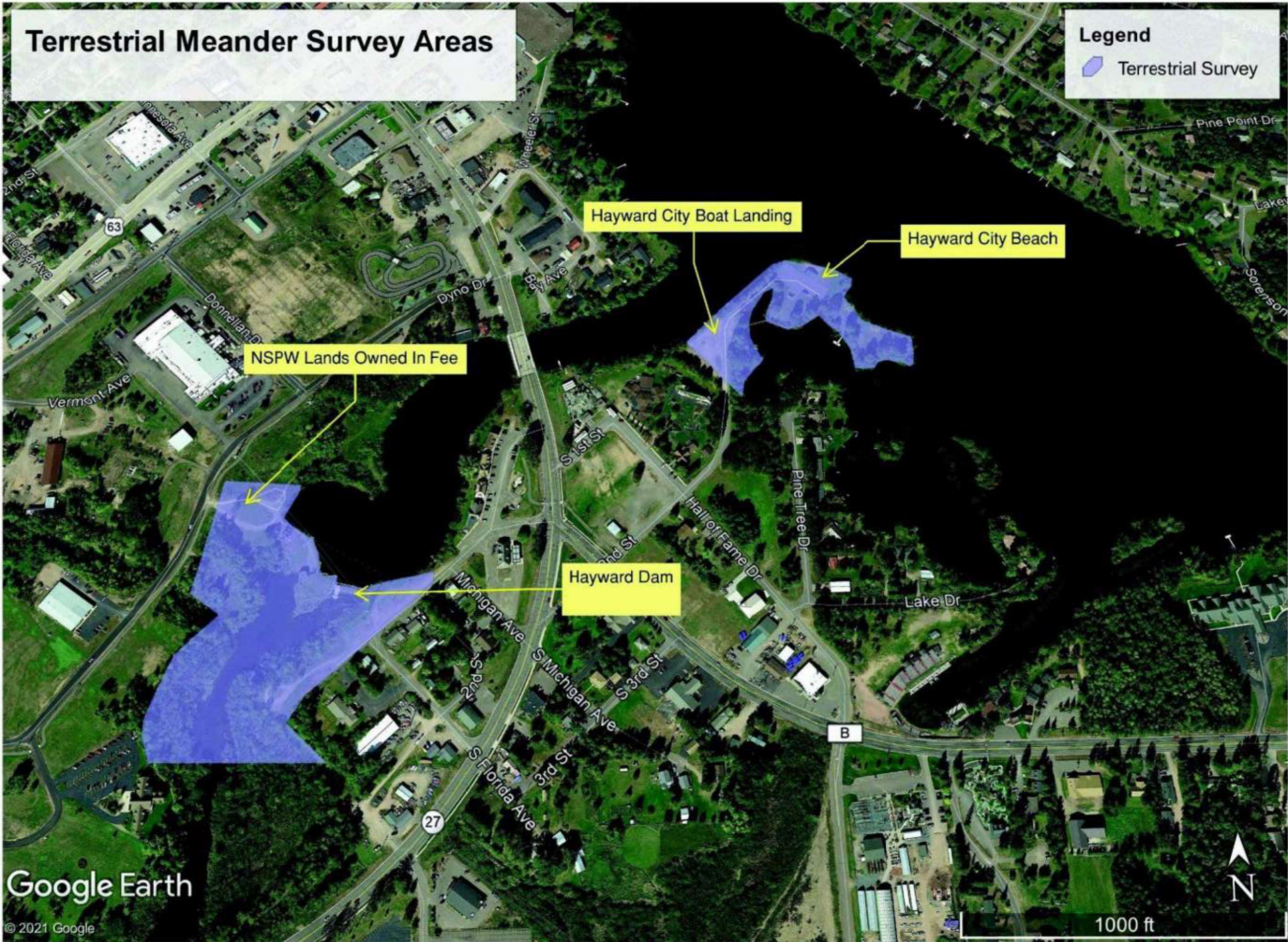
TREGO WOOD AND BLANDING'S TURTLE  
 NESTING HABITAT STUDY

gai consultants

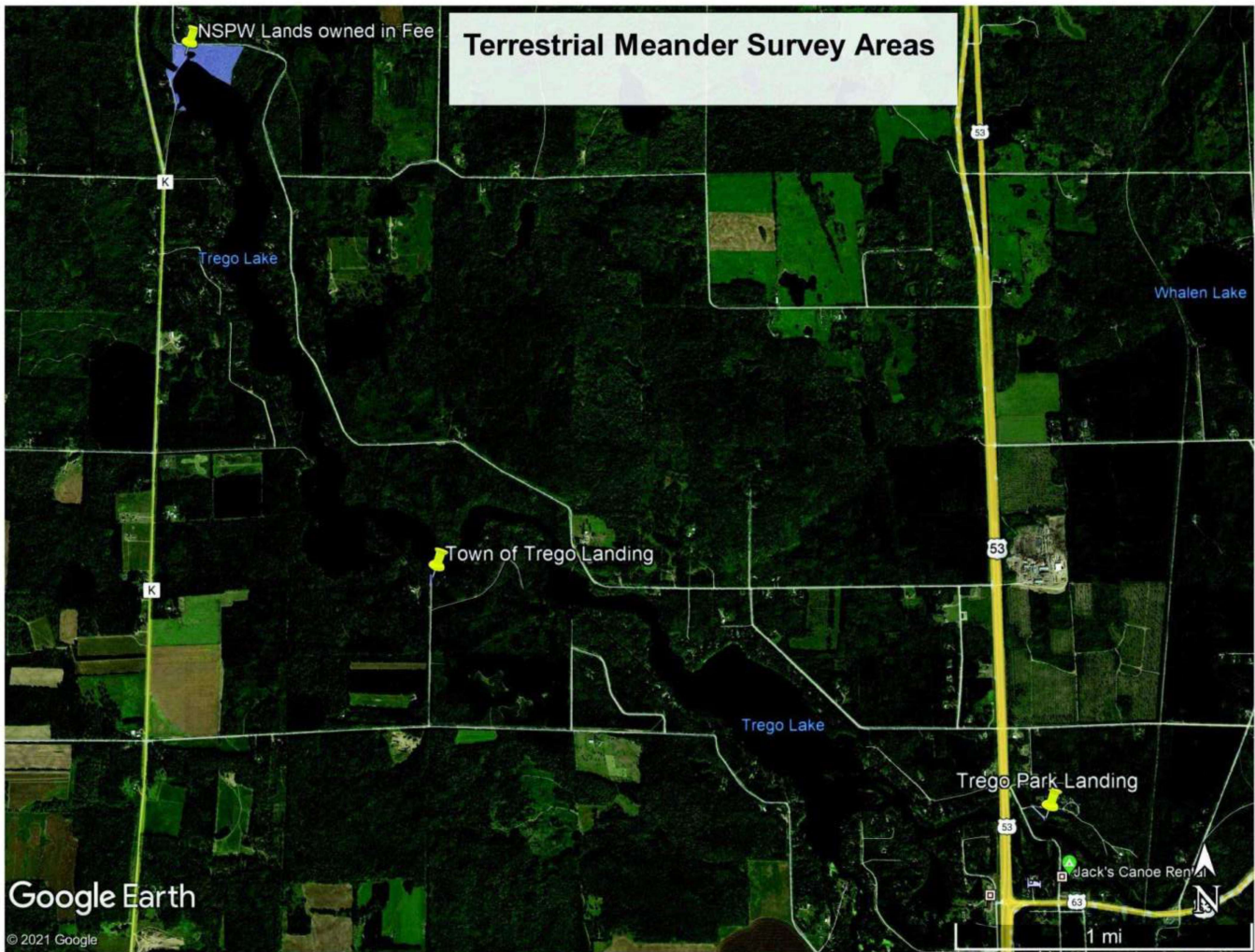
DRAWN BY: EMW      DATE: 8/30/2022  
 CHECKED: TDB      APPROVED: LLS

**FIGURE 3**  
**Hayward and Trego Lands Owned by Licensee and Open to the Public**

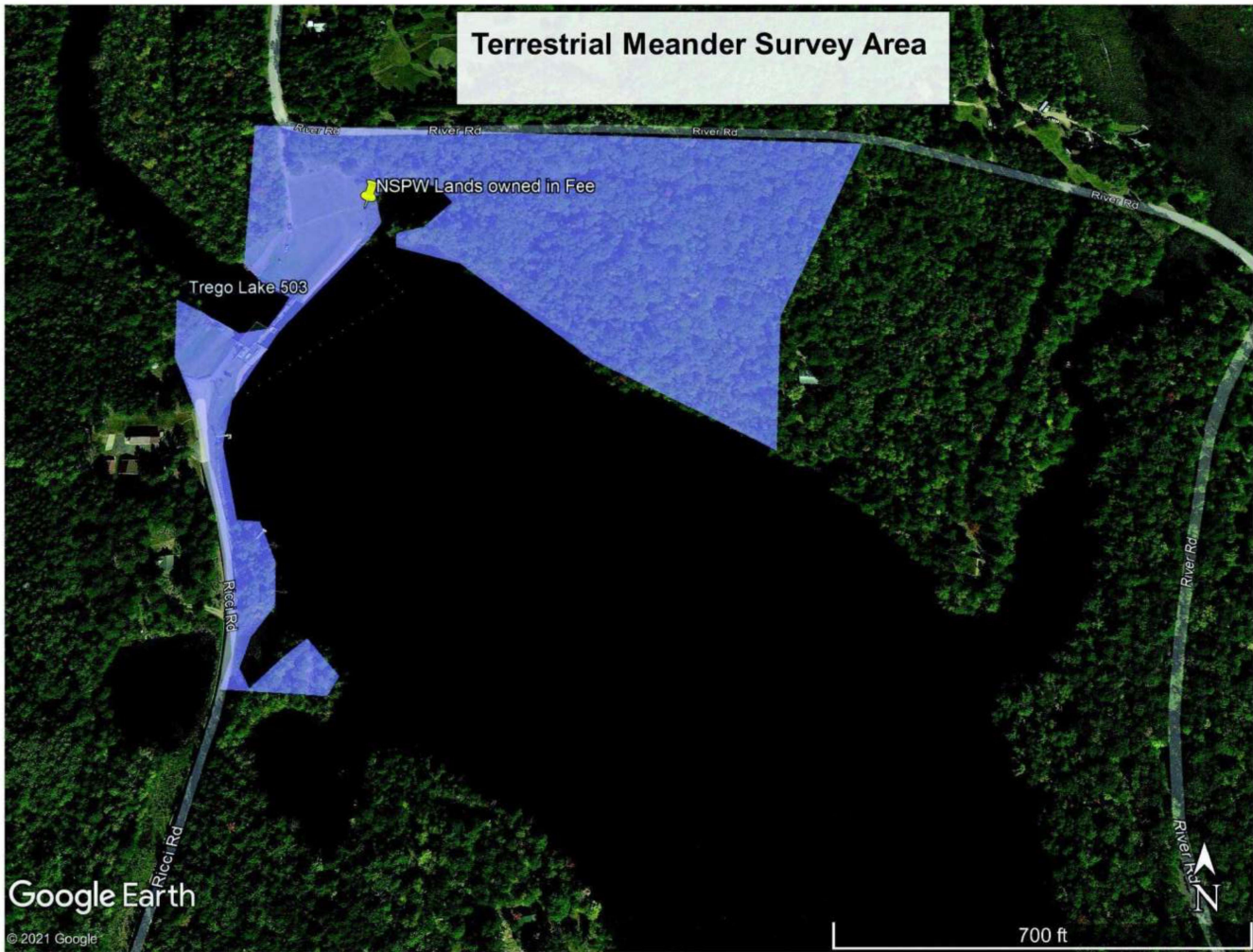
# Hayward Hydroelectric Project



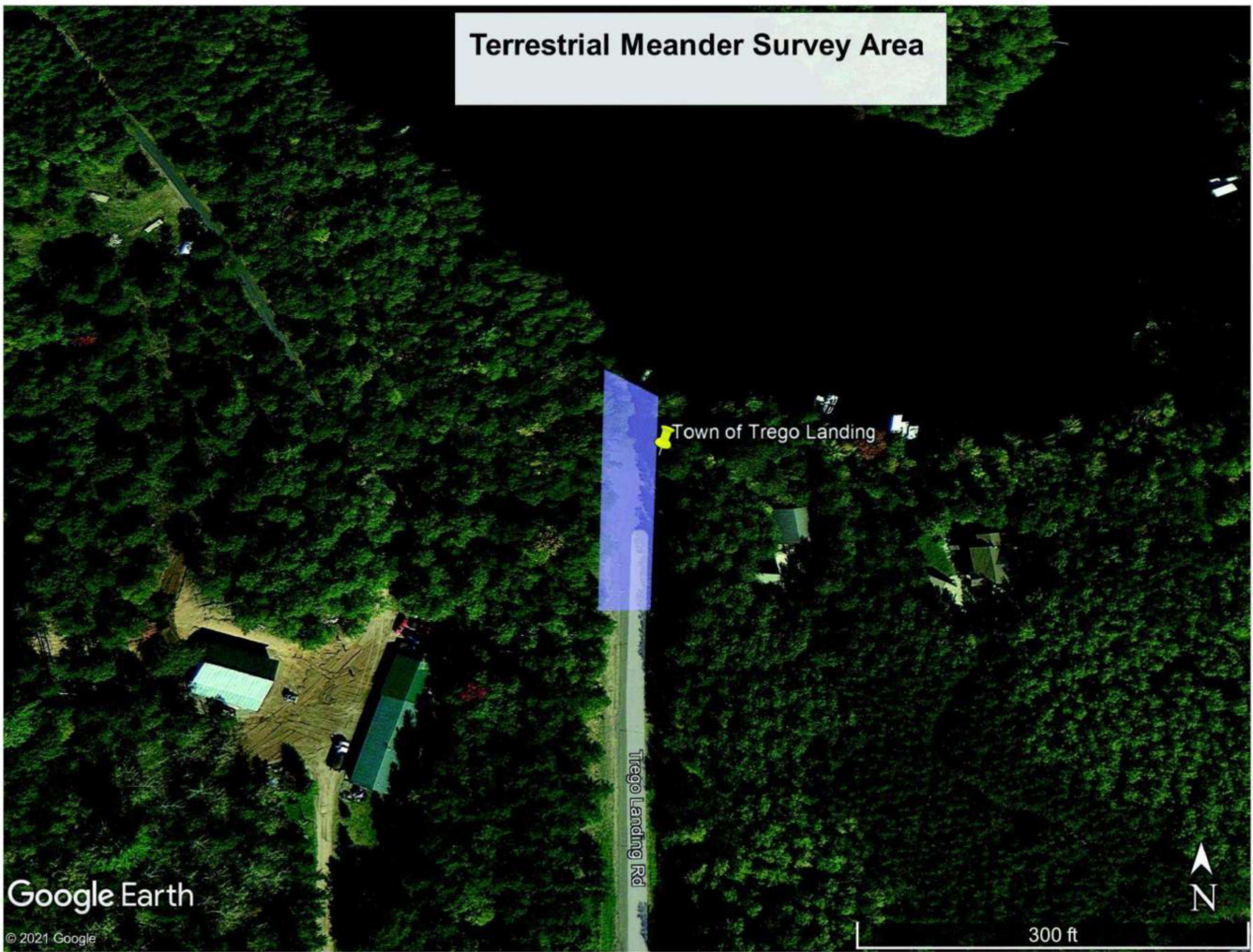
# Trego Hydroelectric Project



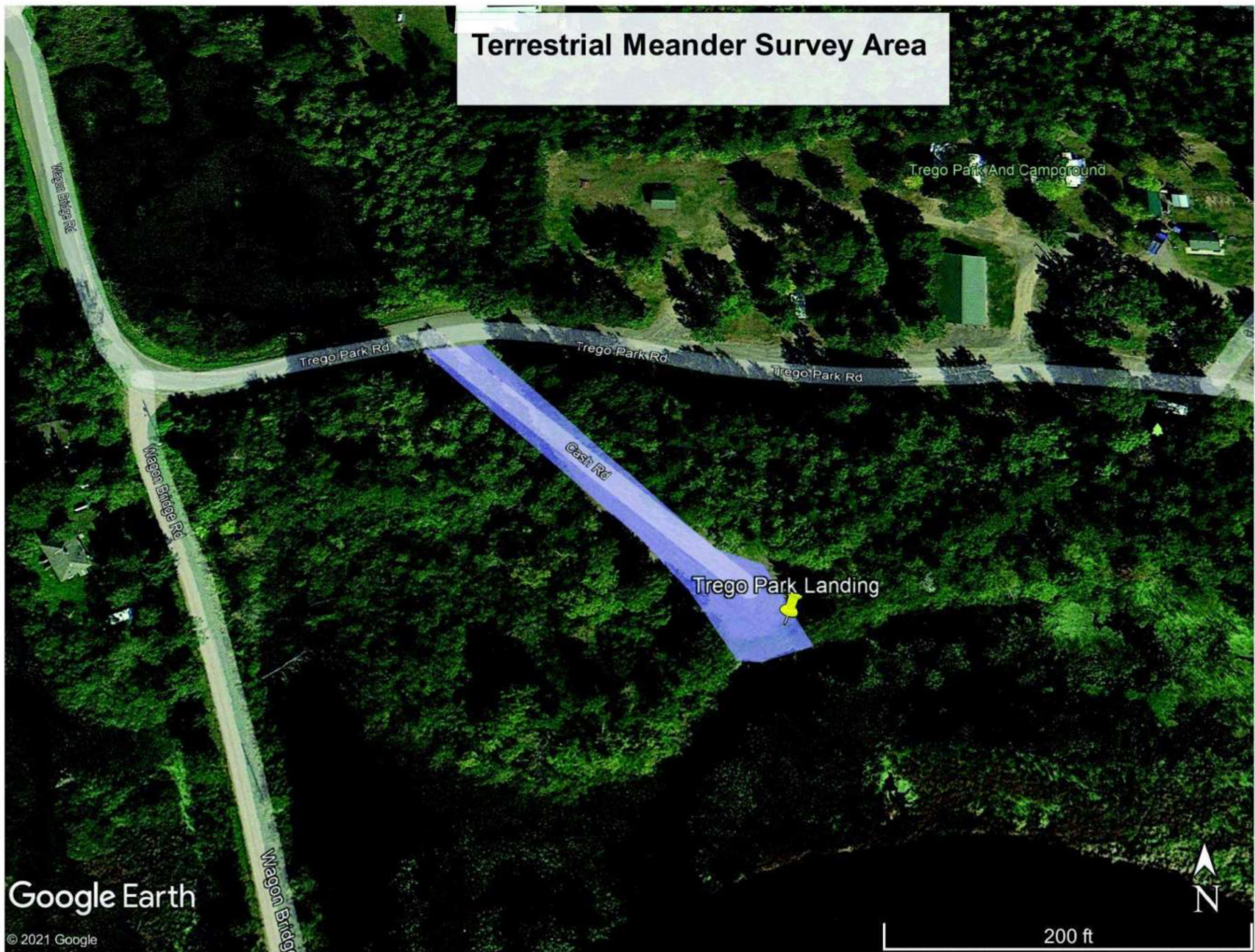
# Trego Hydroelectric Project



# Trego Hydroelectric Project

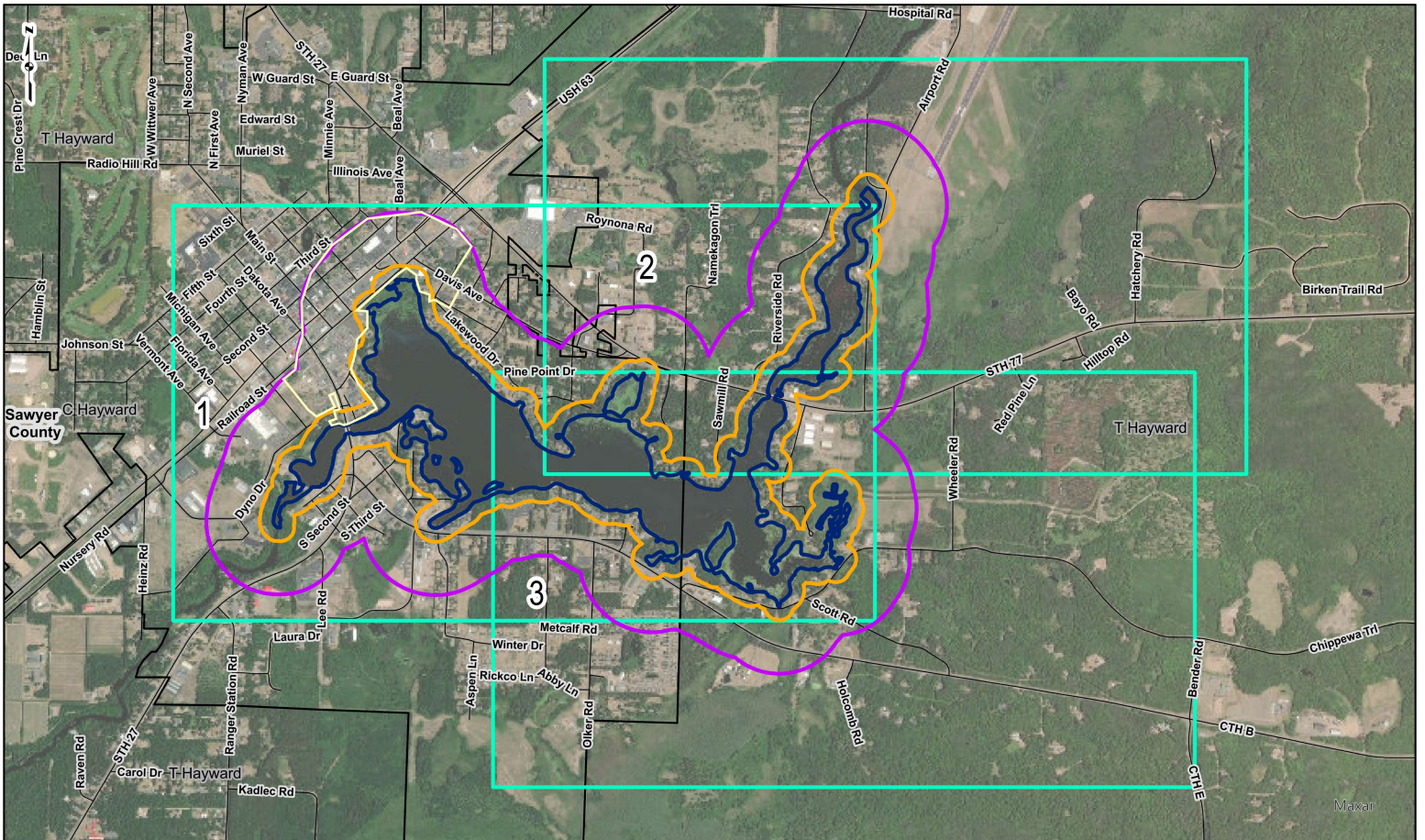


# Trego Hydroelectric Project





**FIGURE 4**  
**Hayward Overview Map**



**PROJECT LOCATION**

SAWYER COUNTY, WI

REFERENCE: ESRI World Imagery, Accessed 8/30/2022. WDNR Counties, 2011. WISLR Community Boundary 2021. WISDOT Road Centerlines, 2021.

**LEGEND**

- 200' Wood Turtle Buffer
- 984' Blanding's Buffer
- Shoreline within Project
- Sheet Index
- Hayward Urban Area
- Road Centerline
- Community Boundary
- County Boundary

0 1,000 2,000 4,000 Feet

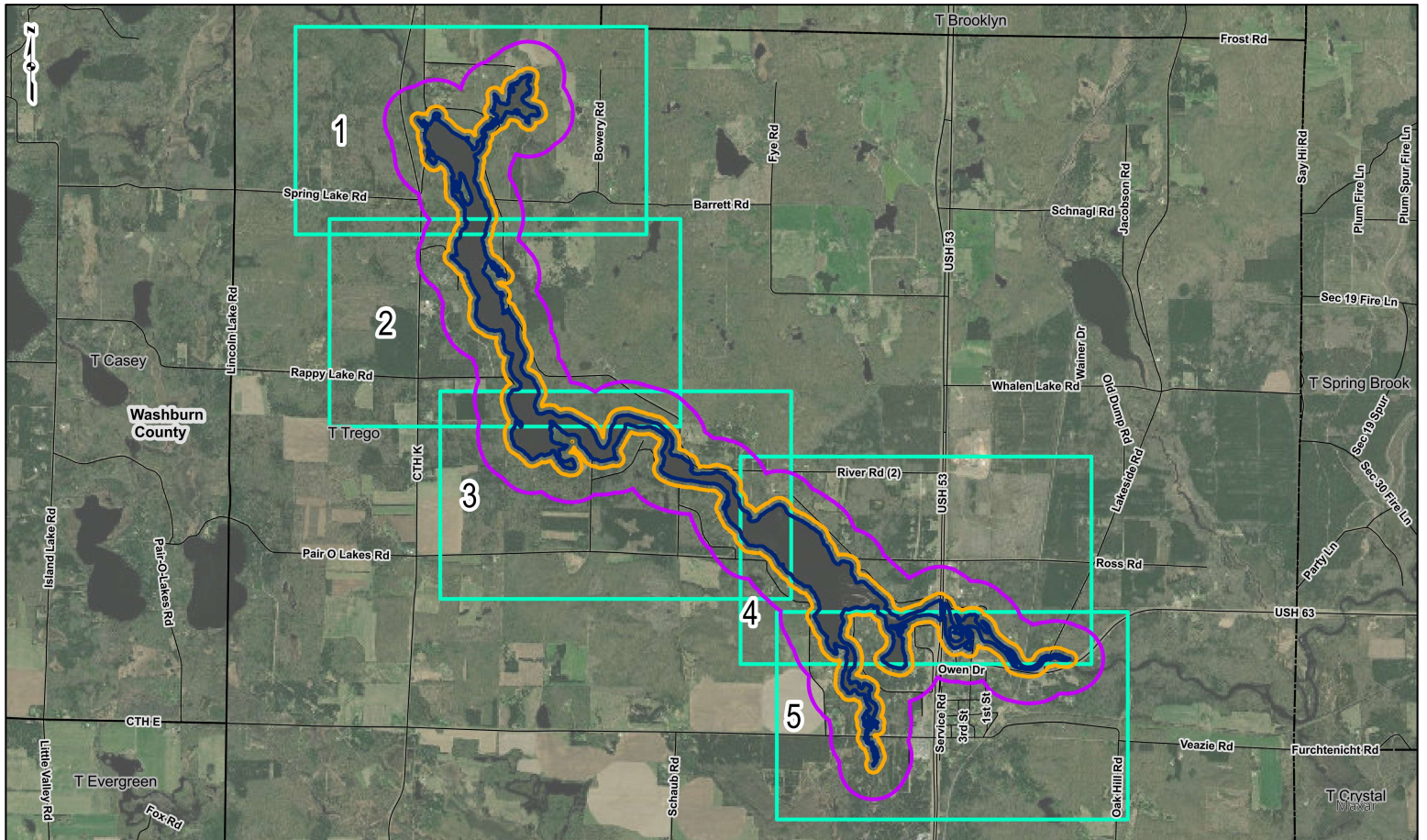
**FIGURE 4  
HAYWARD OVERVIEW MAP**

**HAYWARD WOOD AND BLANDING'S TURTLE  
NESTING HABITAT STUDY**

gai consultants Mead & Hunt

DRAWN BY: EMW      DATE: 8/30/2022  
 CHECKED: TDB      APPROVED: LLS

**FIGURE 5**  
**Trego Overview Map**



**PROJECT LOCATION**

WASHBURN COUNTY, WI

REFERENCE: ESRI World Imagery, Accessed 8/30/2022. WDNR Counties, 2011. WISLR Community Boundary 2021. WISDOT Road Centerlines, 2021.

**LEGEND**

- 200' Wood Turtle Buffer
- 984' Blanding's Buffer
- Shoreline within Project
- Sheet Index
- Road Centerline
- Community Boundary
- County Boundary

0 2,000 4,000 8,000 Feet

**FIGURE 5  
TREGO OVERVIEW MAP**

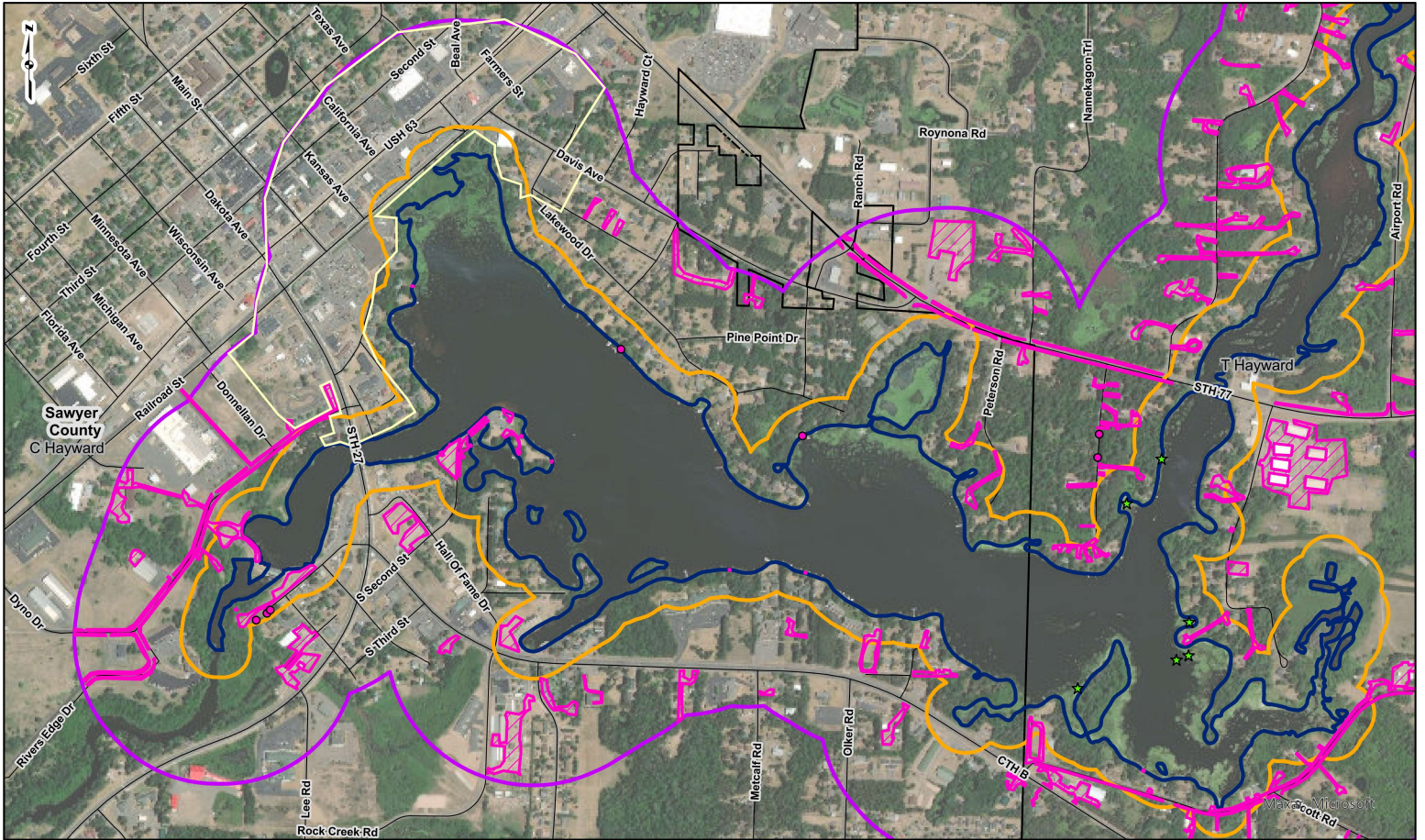
**TREGO WOOD AND BLANDING'S TURTLE  
NESTING HABITAT STUDY**

**Mead & Hunt**

gai consultants

DRAWN BY: EMW      DATE: 8/30/2022  
 CHECKED: TDB      APPROVED: LLS

**FIGURE 6**  
**Hayward Wood and Blanding's Turtle Nesting Habitat and Basking Areas**



**PROJECT LOCATION**

SAWYER COUNTY, WI

REFERENCE: WI DNR Leaf Off Imagery, Accessed 8/30/2022. WDNr Counties, 2011. WISLR Community Boundary 2021. WISDOT Road Centerlines, 2021.

★ Turtle Basking Location	Shoreline within Project Area
● Turtle Nesting Habitat	Hayward Urban Area
▨ Turtle Nesting Habitat	Road Centerline
▨ 200' Wood Turtle Buffer	Community Boundary
▨ 984' Blanding's Buffer	County Boundary

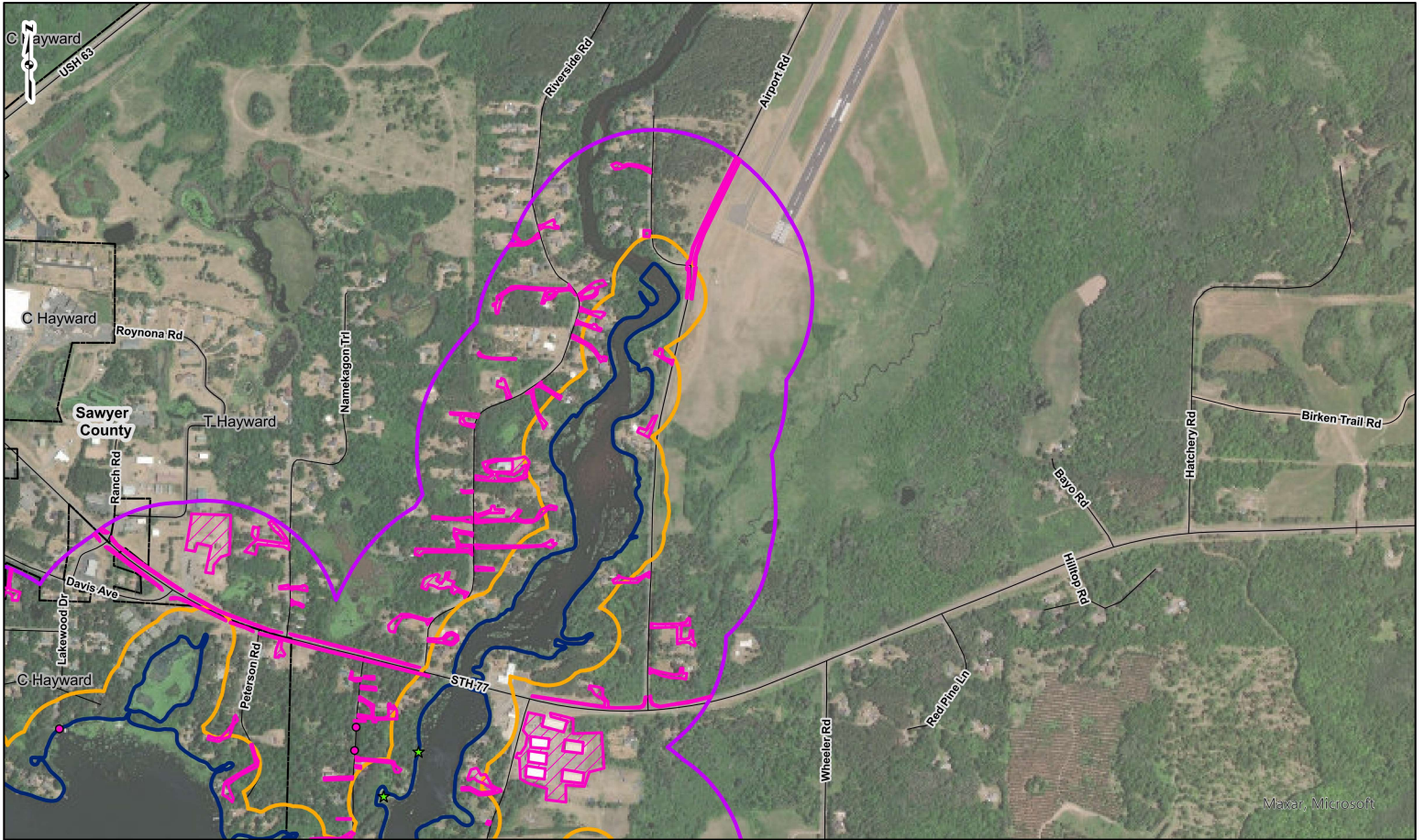
0 500 1,000 2,000 Feet

**FIGURE 6**  
**HAYWARD WOOD AND BLANDING'S TURTLE NESTING HABITAT AND BASKING AREAS**  
 SHEET 1 of 3

**HAYWARD WOOD AND BLANDING'S TURTLE NESTING HABITAT STUDY**

gai consultants **Mead & Hunt**

DRAWN BY: EMW DATE: 8/30/2022  
 CHECKED: TDB APPROVED: LLS



**PROJECT LOCATION**

SAWYER COUNTY, WI

REFERENCE: WI DNR Leaf Off Imagery, Accessed 8/30/2022. WDNR Counties, 2011. WISLR Community Boundary 2021. WISDOT Road Centerlines, 2021.

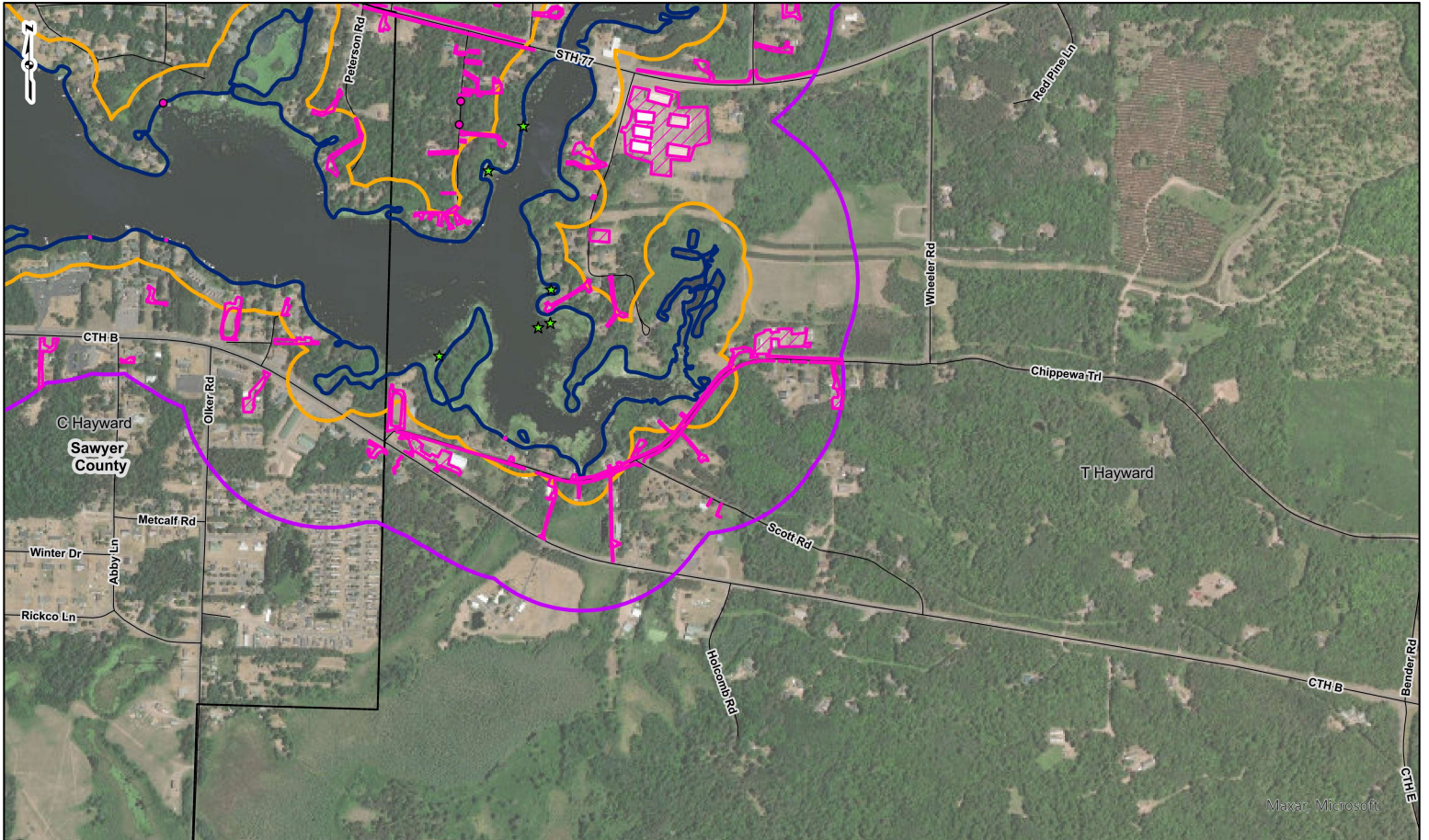
★ Turtle Basking Location	Shoreline within Project Area
● Turtle Nesting Habitat	Hayward Urban Area
▨ Turtle Nesting Habitat	Road Centerline
▨ 200' Wood Turtle Buffer	Community Boundary
▨ 984' Blanding's Buffer	County Boundary

0 500 1,000 2,000 Feet

**FIGURE 6**  
**HAYWARD WOOD AND BLANDING'S TURTLE NESTING HABITAT AND BASKING AREAS**  
 SHEET 2 of 3

HAYWARD WOOD AND BLANDING'S TURTLE NESTING HABITAT STUDY

DRAWN BY: EMW      DATE: 8/30/2022  
 CHECKED: TDB      APPROVED: LLS



**PROJECT LOCATION**

SAWYER COUNTY, WI

REFERENCE: WI DNR Leaf Off Imagery, Accessed 8/30/2022. WDNR Counties, 2011. WISLR Community Boundary 2021. WISDOT Road Centerlines, 2021.

★ Turtle Basking Location	Shoreline within Project Area
● Turtle Nesting Habitat	Hayward Urban Area
▨ Turtle Nesting Habitat	Road Centerline
▨ 200' Wood Turtle Buffer	Community Boundary
▨ 984' Blanding's Buffer	County Boundary

0 500 1,000 2,000 Feet

**FIGURE 6**  
**HAYWARD WOOD AND BLANDING'S TURTLE NESTING HABITAT AND BASKING AREAS**  
 SHEET 3 of 3

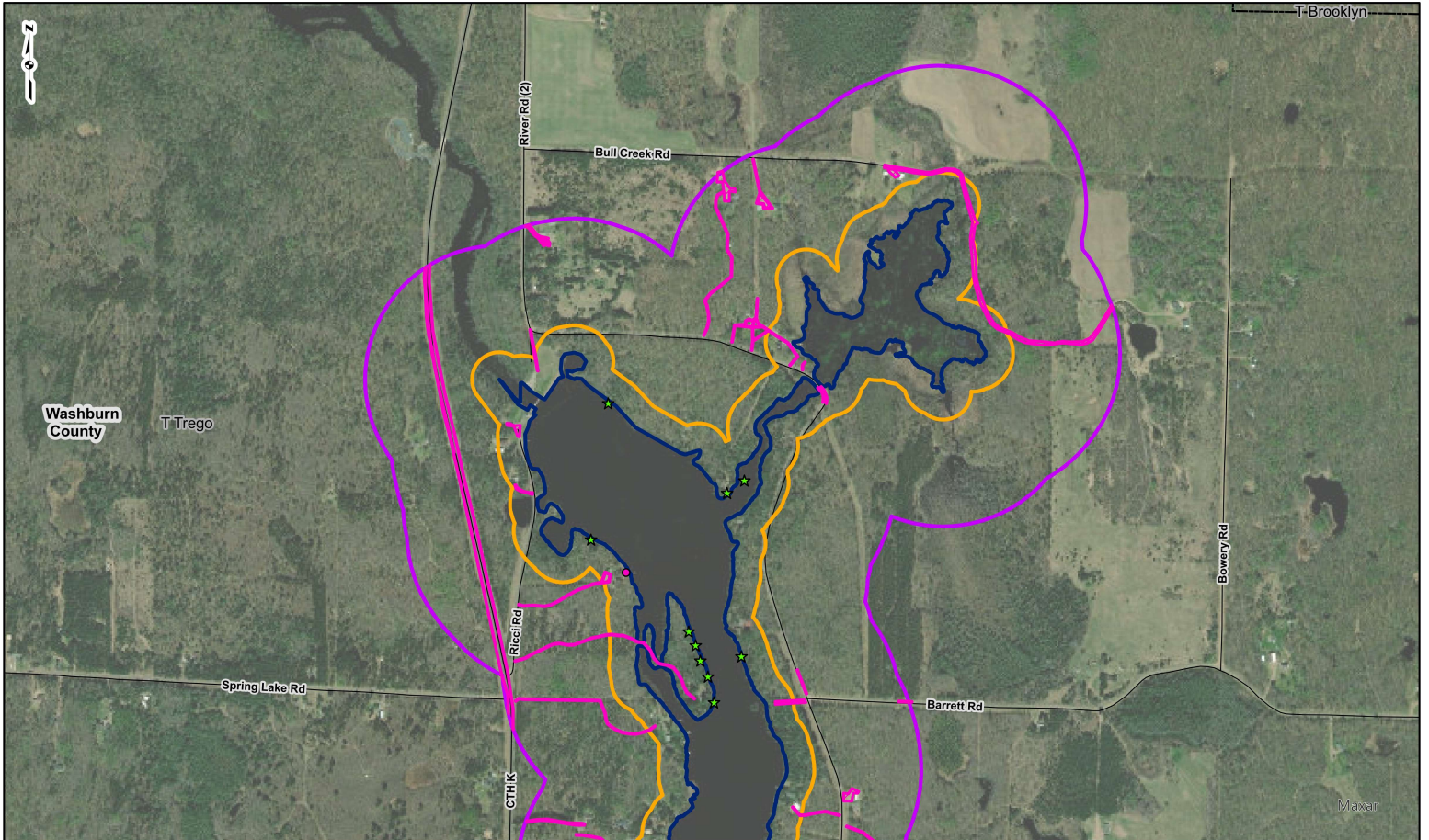
HAYWARD WOOD AND BLANDING'S TURTLE NESTING HABITAT STUDY

gai consultants

DRAWN BY: EMW      DATE: 8/30/2022  
 CHECKED: TDB      APPROVED: LLS



**FIGURE 7**  
**Trego Wood and Blanding's Turtle Nesting Habitat and Basking Areas**



**PROJECT LOCATION**

WASHBURN COUNTY, WI

REFERENCE: ESRI World Imagery, Accessed 8/30/2022. WDNr Counties, 2011. WISLR Community Boundary 2021. WISDOT Road Centerlines, 2021.

★ Turtle Basking Location	▭ Shoreline within Project Area
● Turtle Nesting Habitat	— Road Centerline
▨ Turtle Nesting Habitat	- - - Community Boundary
▭ 200' Wood Turtle Buffer	▭ County Boundary
▭ 984' Blanding's Buffer	

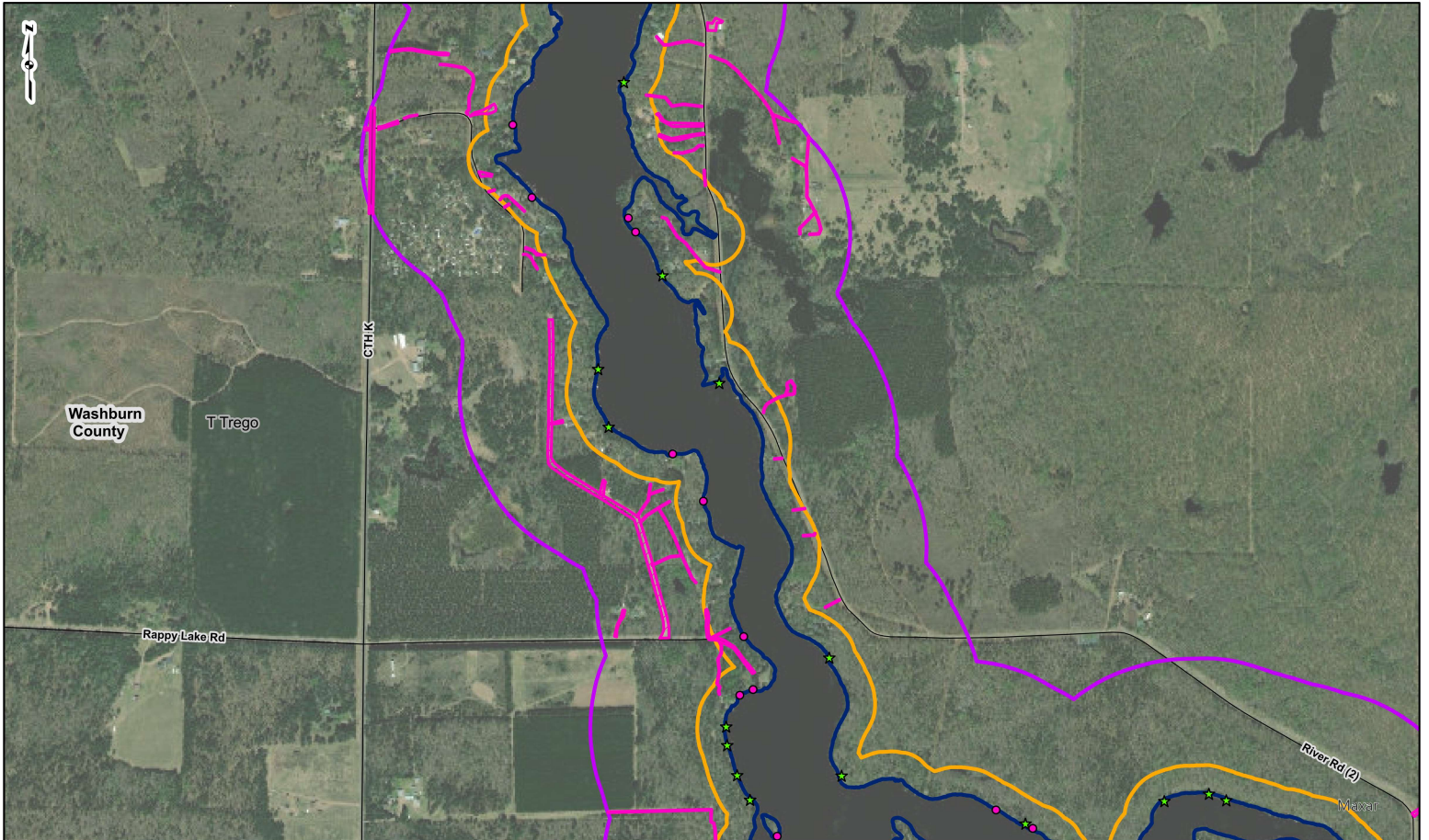
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**FIGURE 7**  
**TREGOO WOOD AND BLANDING'S TURTLE NESTING HABITAT AND BASKING AREAS**  
 SHEET 1 of 5

TREGOO WOOD AND BLANDING'S TURTLE NESTING HABITAT STUDY

ga consultants

DRAWN BY: EMW      DATE: 8/30/2022  
 CHECKED: TDB      APPROVED: LLS



**PROJECT LOCATION**

WASHBURN COUNTY, WI

REFERENCE: ESRI World Imagery, Accessed 8/30/2022. WDNr Counties, 2011. WISLR Community Boundary 2021. WISDOT Road Centerlines, 2021.

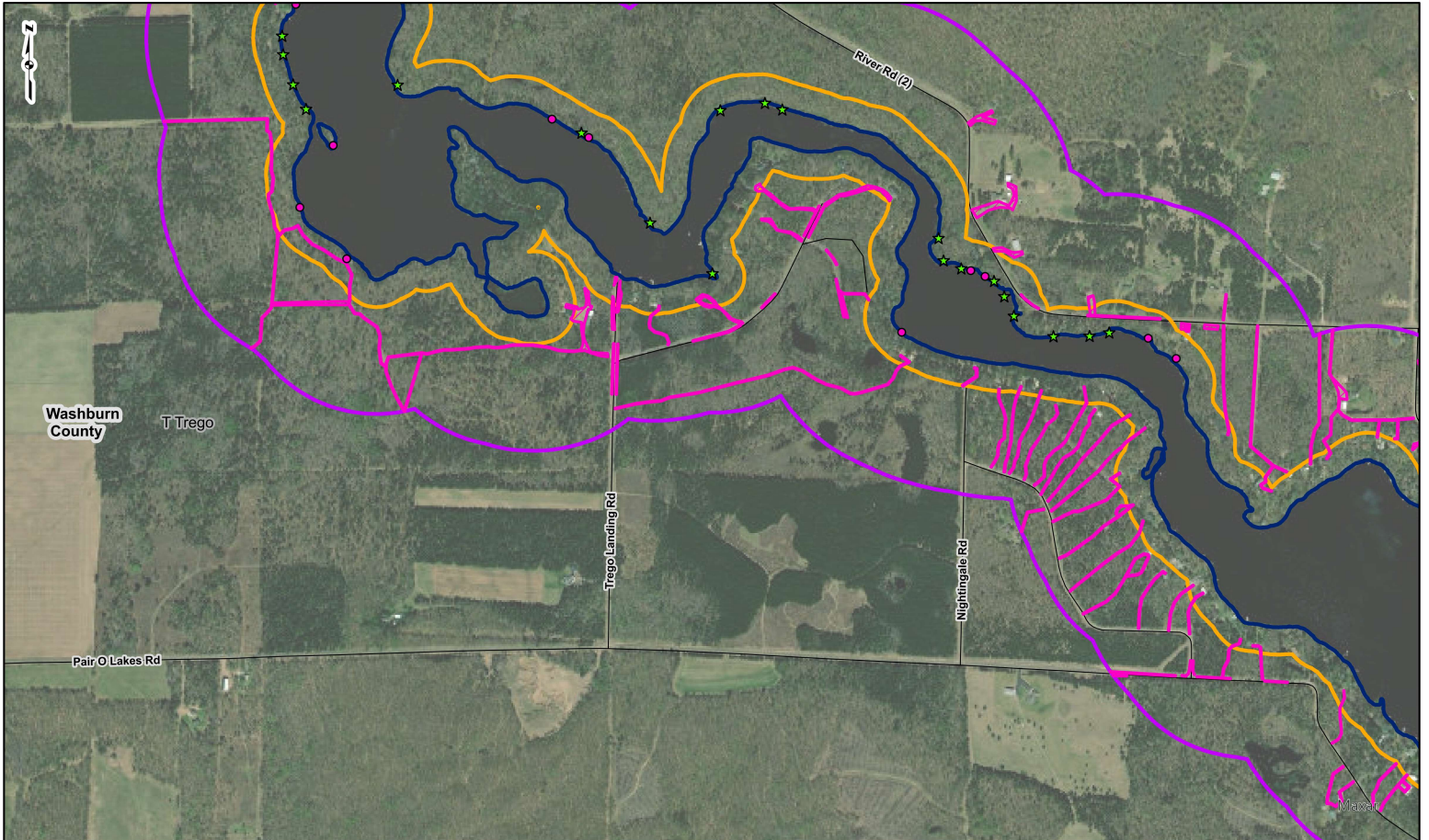
★ Turtle Basking Location	Shoreline within Project Area
● Turtle Nesting Habitat	— Road Centerline
▨ Turtle Nesting Habitat	- - - Community Boundary
▨ 200' Wood Turtle Buffer	▭ County Boundary
▨ 984' Blanding's Buffer	

0 500 1,000 2,000 Feet

**FIGURE 7**  
**TREGO WOOD AND BLANDING'S TURTLE NESTING HABITAT AND BASKING AREAS**  
 SHEET 2 of 5

TREGO WOOD AND BLANDING'S TURTLE NESTING HABITAT STUDY

DRAWN BY: EMW DATE: 8/30/2022  
 CHECKED: TDB APPROVED: LLS



**PROJECT LOCATION**

WASHBURN COUNTY, WI

REFERENCE: ESRI World Imagery, Accessed 8/30/2022. WDNR Counties, 2011. WISLR Community Boundary 2021. WISDOT Road Centerlines, 2021.

★ Turtle Basking Location	▭ Shoreline within Project Area
● Turtle Nesting Habitat	— Road Centerline
▨ Turtle Nesting Habitat	- - - Community Boundary
▭ 200' Wood Turtle Buffer	▭ County Boundary
▭ 984' Blanding's Buffer	

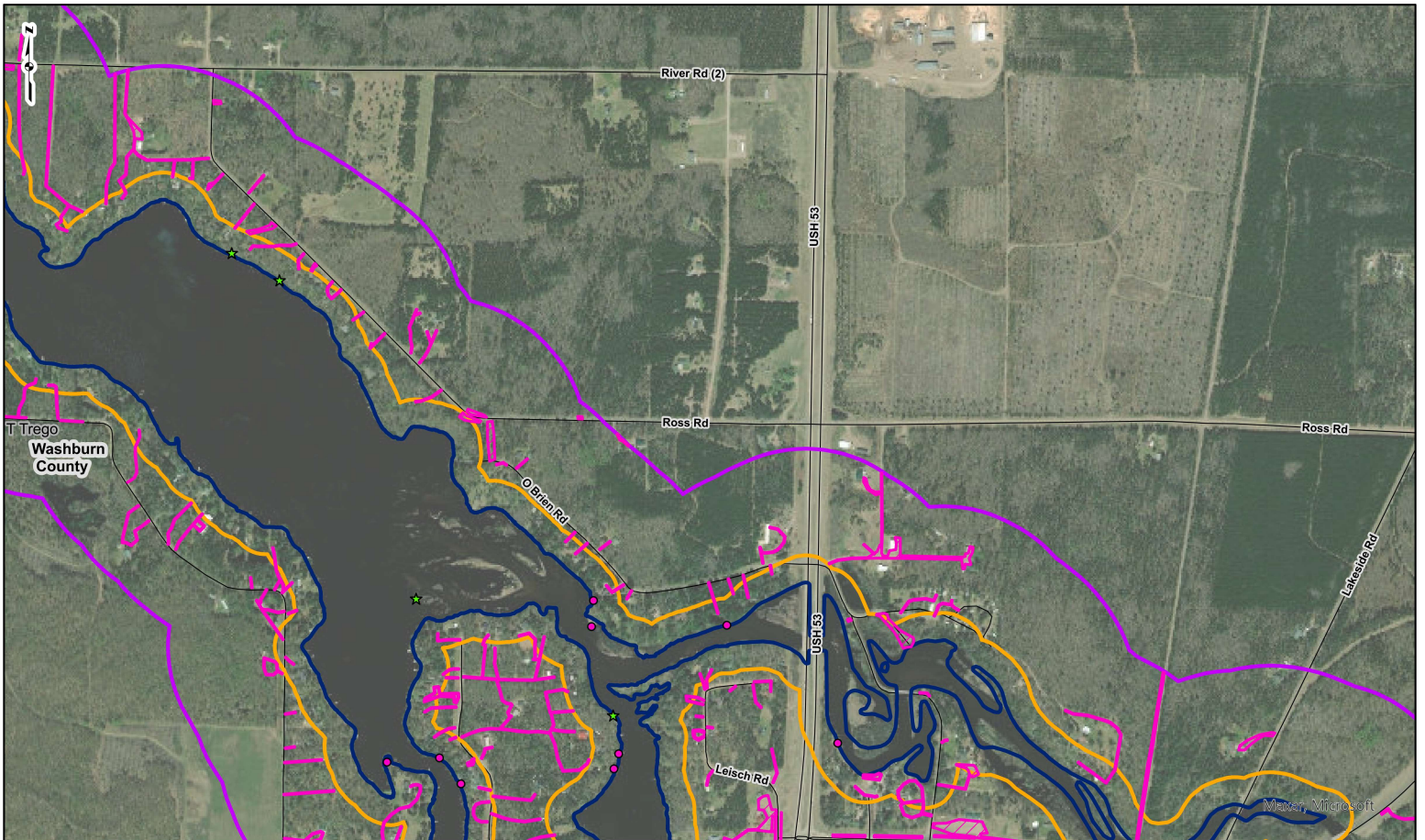
0 500 1,000 2,000 Feet

**FIGURE 7**  
**TREGO WOOD AND BLANDING'S TURTLE NESTING HABITAT AND BASKING AREAS**  
 SHEET 3 of 5

TREGO WOOD AND BLANDING'S TURTLE NESTING HABITAT STUDY

gai consultants

DRAWN BY: EMW      DATE: 8/30/2022  
 CHECKED: TDB      APPROVED: LLS



**PROJECT LOCATION**

WASHBURN COUNTY, WI

REFERENCE: ESRI World Imagery, Accessed 8/30/2022. WDNr Counties, 2011. WISLR Community Boundary 2021. WISDOT Road Centerlines, 2021.

★ Turtle Basking Location	▭ Shoreline within Project Area
● Turtle Nesting Habitat	— Road Centerline
▨ Turtle Nesting Habitat	- - - Community Boundary
▨ 200' Wood Turtle Buffer	▭ County Boundary
▨ 984' Blanding's Buffer	

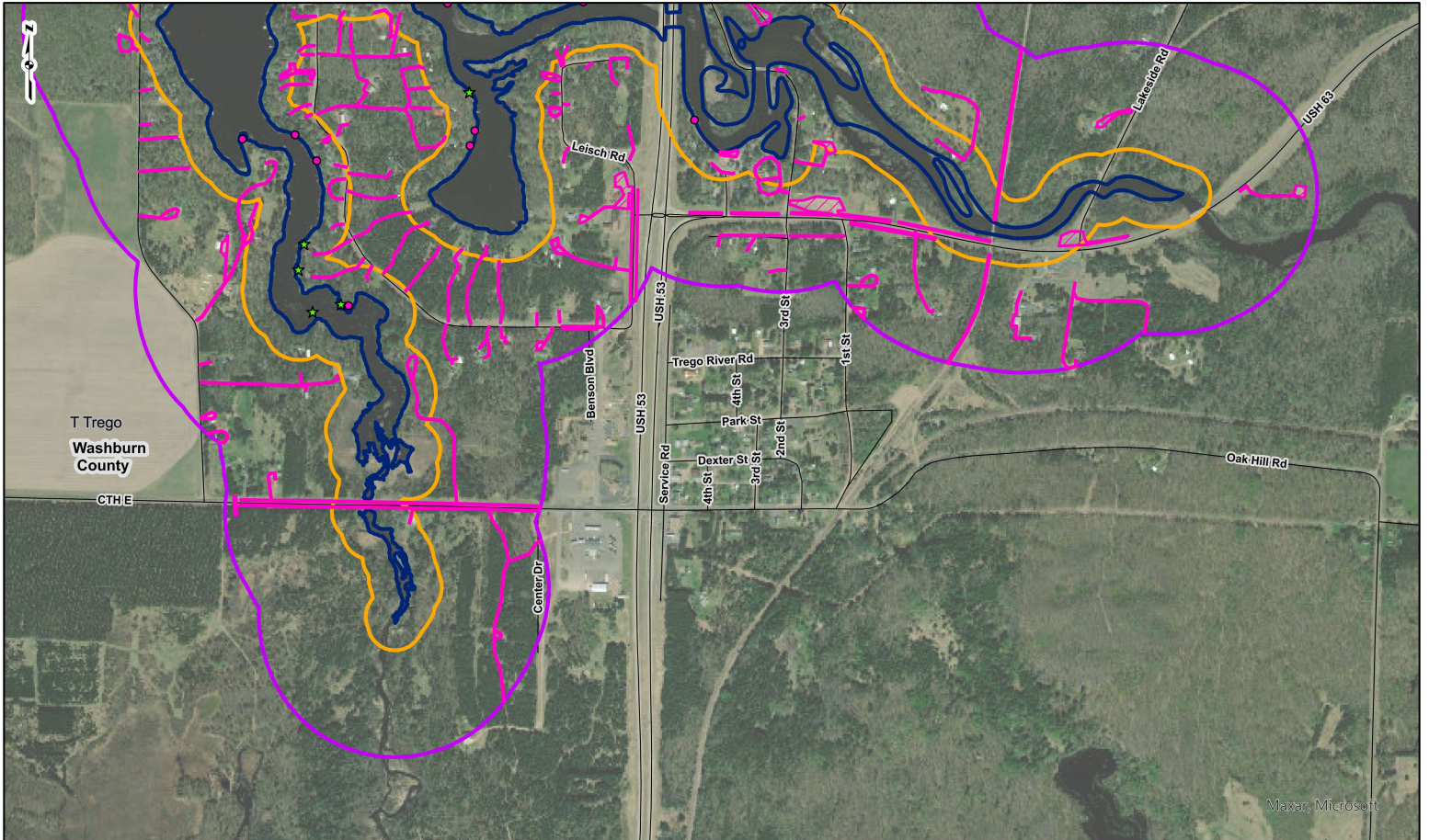
0 500 1,000 2,000 Feet

**FIGURE 7**  
**TREGO WOOD AND BLANDING'S TURTLE NESTING HABITAT AND BASKING AREAS**  
 SHEET 4 of 5

TREGO WOOD AND BLANDING'S TURTLE NESTING HABITAT STUDY

gai consultants **Mead & Hunt**

DRAWN BY: EMW DATE: 8/30/2022  
 CHECKED: TDB APPROVED: LLS



**PROJECT LOCATION**

WASHBURN COUNTY, WI

REFERENCE: ESRI World Imagery, Accessed 8/30/2022. WDNR Counties, 2011. WISLR Community Boundary 2021. WISDOT Road Centerlines, 2021.

★ Turtle Basking Location	▭ Shoreline within Project Area
● Turtle Nesting Habitat	— Road Centerline
▨ Turtle Nesting Habitat	- - - Community Boundary
▨ 200' Wood Turtle Buffer	▭ County Boundary
▨ 984' Blanding's Buffer	

0 500 1,000 2,000 Feet

**FIGURE 7**  
**TREGO WOOD AND BLANDING'S TURTLE NESTING HABITAT AND BASKING AREAS**  
 SHEET 5 of 5

TREGO WOOD AND BLANDING'S TURTLE NESTING HABITAT STUDY

DRAWN BY: EMW DATE: 8/30/2022  
 CHECKED: TDB APPROVED: LLS

# ATTACHMENT A

## Photo Log

# Hayward and Trego Lake Wood and Blanding's Turtle Nesting Habitat Study Report Photo Log

	
<p>Turtle nesting habitat along a riparian property owner's shoreline on Hayward Lake. 46.0123972, -91.479827 June 7, 2022</p>	<p>Turtle nesting habitat by the Hayward Lake public boat launch parking lot. 46.00913357, -91.47874544 June 7, 2022</p>
	
<p>Sandy open area along Pair-O-Lakes Road; potential turtle nesting habitat by Trego Lake. 45.91378814, -91.85412314 June 8, 2022</p>	<p>Area of potential suitable turtle nesting habitat at the south end of Trego Lake by the Cash Rd. boat launch. 45.90998076, -91.82530134 August 4, 2022</p>



	
<p>Area of potential turtle nesting habitat near the Hayward dam.  46.0059694167, -91.4842388889  June 7, 2022</p>	<p>Foraging habitat at the north end of Trego Lake.  45.94828775, -91.88574416  August 4, 2022</p>
	
<p>Trego wetland area that appears to be prime habitat for Blanding's turtles.  45.948597, -91.880114  August 15, 2022</p>	<p>Hayward wetland area that appears to be prime habitat for Blanding's turtles.  46.011373, -91.465597  August 5, 2022</p>

**APPENDIX E-24      BITP/A for Wisconsin Cave Bats**

# Broad Incidental Take Permit and Broad Incidental Take Authorization for Wisconsin Cave Bats

Conservation Plan - November 2022

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During this COVID-19 pandemic, there is increasing concern that symptomatic or asymptomatic humans could inadvertently pass the virus that causes COVID-19 disease in humans to mammals, including bats, during handling. As a reminder, any handling of bats by a pest control operator requires an Endangered/Threatened (E/T) Species Permit (this is not required for a landowner). In addition, please be sure to continue following disinfection protocols for any equipment used during bat removals or exclusions (see Appendix 4).

The department has issued this broad incidental take authorization (used by state agencies) and broad incidental take permit (used by non-state agencies and individuals), as provided for under s. 29.604, Wis. Stats., to allow for the incidental taking of state listed cave bats in Wisconsin that may occur as a result of specific public health concerns, bat removals, building demolitions, tree cutting, bridge demolitions, miscellaneous building repairs and wind energy development projects.

This permit and authorization cover the above activities only if the associated minimization measures are followed and take is reported (where required). These measures must be followed when a bat is present or suspected to be present (e.g., evidence of bat presence, Endangered Resources Review). Please note that the northern long-eared bat is currently listed as threatened in Wisconsin and threatened with 4(d) rule at the federal level by the United States Fish and Wildlife Service (USFWS, <http://www.fws.gov/Midwest/endangered/mammals/nleb/index.html>). For the activities listed above, this Conservation Plan includes both state and federal requirements. The state cannot permit or authorize take of a federally listed species, however this Conservation Plan was written to incorporate both state and federal requirements.

For activities not listed above, contact the Wisconsin Department of Natural Resources' Endangered Resources Review Program ([DNRRERReview@wi.gov](mailto:DNRRERReview@wi.gov)) for more information on state and federal requirements. Please note that building demolition, tree cutting, bridge projects, miscellaneous building projects and wind energy development typically require a full Endangered Resources Review <http://dnr.wi.gov/topic/ERReview/Review.html> to determine impacts to other wildlife species as well.

An incidental take permit or authorization is typically issued on a project-by-project basis, however a broad incidental take permit and broad incidental take authorization were created for this situation so that neither an application nor a permit fee are required. An individual following the minimization measures listed below is automatically covered by this broad incidental take permit/authorization. Take will be minimized by following specific minimization measures and the Department has concluded that the projects covered under this permit/authorization are not likely to jeopardize the continued existence and recovery of the state population of these bats or the whole plant-animal community of which they are a part; and has benefit to the public health, safety or welfare that justifies the action.

## **Project Location**

Statewide

## **Project Information**

This permit/authorization cover specific public health concerns, bat removals, building demolitions, forestry activities, bridge demolitions, miscellaneous building repairs and wind energy development projects as described in *Minimization Measures*.

## **Species Information**

This permit/authorization cover all cave bats currently listed in Wisconsin (NR 27.07, Wis. Admin. Code):

- **Big brown bat (*Eptesicus fuscus*)** – State Threatened  
The big brown bat is a large insectivorous bat, weighing 15.0-26.0 grams. Fur color is russet to dark brown, and the muzzle is black and hairless. In summer, big brown bats commonly roost in artificial structures such as barns, but these bats will also use crevices in trees and rock faces. Big brown bats migrate short distances to caves and mines where they will hibernate for the winter.
- **Tricolored bat (*Perimyotis subflavus*)** – State Threatened  
The tricolored bat (formerly eastern pipistrelle) is Wisconsin's smallest bat weighing 4.0-8.0 grams. Fur color ranges from golden brown to reddish brown, and the wing membrane is black with red forearms. The tricolored bat is an insectivorous bat. In summer, these bats commonly roost in the branches of deciduous trees disguised as a leaf. This species migrates short distances to caves and mines in the fall where they hibernate over the winter.
- **Little brown bat (*Myotis lucifugus*)** – State Threatened  
The little brown bat is a medium-sized member of the genus *Myotis*. This insectivorous bat weighs 5.0-12.5 grams, and has tan, reddish-brown or dark brown fur. This species commonly uses artificial structures such as attics and barns as summer roosting sites, but will also roost in crevices and cavities of trees. In fall, little brown bats make local long-distance migrations of up to 279 miles to caves and mines where they will hibernate for the winter.
- **Northern long-eared bat (*Myotis septentrionalis*)** – State Threatened and Federally Threatened  
The northern long-eared bat is dark brown with a gray belly, weighing 5.0-8.0 grams and is insectivorous. In summer this bat roosts in trees behind loose bark and in cracks/crevices/holes along the trunk of the tree. It rarely roosts in artificial structures. Unlike most of the state's bats, this species commonly forages in forest interior. In fall the northern long-eared bat migrates to caves and mines where they will hibernate for the winter.

## **Likely Impact to Species**

Although minimization measures to protect the big brown, tricolored, little brown and northern long-eared bats are incorporated into this broad incidental take permit/authorization, it is not possible to fully avoid incidental take of these species in all situations. Due to the nature of activities covered under this permit/authorization, it is difficult to determine the exact number of individuals that could be taken as a result of the project; however take will be minimized by following specific minimization measures. The Department has concluded that the take allowed for under this permit/authorization is not likely to jeopardize the continued existence and recovery of the state

population of these bats or the whole plant-animal community of which they are a part.

### **Alternative Actions**

The following alternatives were considered for this permit/authorization:

*Alternative 1: Do not allow for any take of cave bats.*

This alternative was determined to not be feasible, due to the large number of affected activities, and is not an appropriate public health decision.

*Alternative 2: Do not allow for any take of cave bats during the summer roosting period but allow for some take throughout the remainder of the year.*

This alternative was determined to not be feasible, due to the large number of affected activities that occur during the summer roosting period, and is not an appropriate public health decision.

*Alternative 3: Allow for some take of cave bats, with minimization measures in place, during the summer roosting period and throughout the remainder of the year.*

This option was the preferred alternative because it addresses public health concerns; protects a large number of bats; and allows for most affected activities to continue as planned, or with minimal modifications.

### **Minimization Measures**

This permit/authorization covers the activities listed below only if the associated minimization measures are followed and take is reported (where required). These measures must be followed when a bat is present or suspected to be present (e.g., evidence of bat presence, Endangered Resources Review). Please note that the northern long-eared bat is currently listed as threatened in Wisconsin and threatened with 4(d) rule at the federal level by the United States Fish and Wildlife Service (USFWS, <http://www.fws.gov/Midwest/endangered/mammals/nleb/index.html>). For the activities listed below, this Conservation Plan includes both state and federal requirements. The state cannot permit or authorize take of a federally listed species, however this Conservation Plan was written to incorporate both state and federal requirements.

For activities not listed below, contact the Wisconsin Department of Natural Resources' Endangered Resources Review Program ([DNRRERReview@wi.gov](mailto:DNRRERReview@wi.gov)) for more information on state and federal requirements. Please note that building demolition, tree cutting, bridge projects, miscellaneous building projects and wind energy development typically require a full Endangered Resources Review <http://dnr.wi.gov/topic/ERReview/Review.html> to determine impacts to other wildlife species as well.

*Note: Take covered under this permit/authorization must be reported within 5 working days (where required below). Take not reported within 5 working days is not legally covered and is in violation of the Wisconsin Endangered Species Law (s. 29.604, Wis. Stats.). Reports can be submitted via email ([DNRBats@wi.gov](mailto:DNRBats@wi.gov)), or by submitting a sick/dead bat report using the form: <http://wiatri.net/Inventory/Bats/Report/BatForm.cfm>. When using the form, state that you are reporting take in the "Additional Comments" section.*

## A. Health Exceptions

The landowner, rather than the DNR, is allowed to determine if they believe there is a health risk under this section (Section A).

Centers for Disease Control and Prevention (CDC) protocols should be followed for all situations where rabies or histoplasmosis is a possibility or may become a possibility if action is not taken (see Appendix 1).

Additionally, exclusions completed from June 1 through August 15 must be reported to the Department by submitting a Health Exemption Form in order to be covered under this permit or authorization. The landowner is responsible for completing and submitting the form, which is available online (<http://dnr.wi.gov/topic/erreview/itbats.html>). This form must be completed and submitted to the Department within **5 working days of start of work**.

If an activity qualifies as a health exception, it is exempt from timing minimization measures, and maximum take limits, but exclusions done during the non-exclusion period for human health reasons must still minimize take by following the approved exclusion protocols listed in Appendix 5. Exclusion practices used that are not described in Appendix 5 are in violation of this permit/authorization.

## B. Bat Removals and Exclusions

Exclusion is defined as the process of allowing a colony of bats to leave the structure but not re-enter (i.e., use of one-way doors, see Appendices 2 and 5). Physically removing the colony of bats is not included in the definition of exclusion and is not covered under this section of the permit/authorization. Bats may be removed from the living space of a building at any time (see B.1. below).

Approved exclusion practices may be reviewed in Appendix 5. Exclusion practices used that are not described in Appendix 5 are in violation of this permit/authorization

If bats must be handled or transported for any reason during the exclusion process, the person conducting the exclusion must possess a valid Endangered/Threatened (E/T) Species Permit (<http://dnr.wi.gov/topic/endangeredresources/permits.html>). By obtaining the E/T Permit, the pest control operator can assure the landowner that practices used by the pest control company are in accordance with state law and no fines should incur while exclusion is completed. If bats must be handled during the exclusion, an E/T Permit holder (i.e. a rehabilitator or licensed pest control operator) may be contacted to handle the bats.

Practices that cause intentional take of the bats (i.e., sticky traps, sealing the entry/exit points to the roost with bats inside, large-hole netting that traps bats) are not considered exclusion methods, are not covered under this permit/authorization and are in violation of Wisconsin's Endangered Species Law (s. 29.604, Wis. Stats.).

### 1. Living Space or Place of Work

A living space is defined as a place of residence that is routinely and consistently inhabited. A living space does not include attics that are empty or used as storage.

If individual bats (5 or fewer) enter a living space or place of work, reasonable attempts must first be made to remove or exclude the bats alive and unharmed (see Appendix 2). If individual bats cannot realistically be removed unharmed, up to 5 bats may be killed for the purpose of removing them from a living space or place of work. No more than 5 bats may be

killed within any 24 hour period and a maximum of 10 bats may be killed from June 1 – August 15 (**take report recommended** – see “**Note**” above).

Removals and exclusions from June 1 – August 15 are allowed in hospitals, medical clinics, day cares centers, nursing homes, assisted living facilities and restaurants.

2. Storage Areas, Attics, Barns, etc.

Bats found in storage areas, attics, barns, etc., may be excluded from the area August 16 – May 31 (see Appendix 2). Exclusion may not occur from June 1 – August 15 unless a health exemption report form is filed (see Section A).

3. In an effort to help curb the spread of white-nose syndrome (WNS), bat exclusion professionals and pest control operators must follow these guidelines concerning cleaning equipment (NR 40, Wis. Admin. Code.):

- Equipment used outside of Wisconsin should be thoroughly cleaned and disinfected before use in Wisconsin following the protocols in Appendix 4.
- Equipment used at multiple sites within Wisconsin should be cleaned thoroughly and disinfected between uses following the protocols in Appendix 4. Materials that come in direct contact with bats such as bat cones or exclusion devices should not be used at multiple sites and should be discarded after use.

C. Building Demolition

*Please note that timing restrictions in this section vary slightly from those listed for other activities. Bats typically leave summer roosts (in buildings or other locations) in late fall and begin to return in early spring. However, one bat species in Wisconsin is known to hibernate in buildings in winter. Bats are not actively flying during winter hibernation and can appear dead. As a result, traditional exclusion methods do not work.*

1. For projects occurring where there is no evidence of bat presence (see Appendix 3), there are no restrictions.
2. For building demolition occurring from June 1 – August 15, where there is evidence of bat presence (see Appendix 3):
  - Building demolition and bat exclusions are generally not permitted during this time period in order to protect flightless pups in the roost. Exclusion and subsequent demolition may occur only if the bats are considered by the landowner to be a health risk. In these situations, a health exemption form must be completed within 5 days of starting work (see section A).
3. For building demolition occurring from August 16 – October 31 or March 16 – May 31, where there is evidence of bat presence (see Appendix 3):
  - Bats must be excluded from the building for at least 7 consecutive days immediately prior to demolition. Full exclusion is not required if the building is unsafe to enter, however reasonable attempts should still be made to exclude as many bats as possible while keeping all people safe. (Report required for unsafe buildings – see “Note” on Page 3.)
4. For building demolition occurring from November 1 – March 15, where there is evidence of bat presence (see Appendix 3):

- For any bats found prior to demolition work or encountered during the demolition phase, attempts must be made to transfer the bats to a wildlife rehabilitator for the remainder of the hibernation period OR the DNR's bat biologists must be consulted for additional options (Paul White, 608-267-0813 and [john.white@wi.gov](mailto:john.white@wi.gov), or Heather Kaarakka, 608-266-2576 and [heather.kaarakka@wi.gov](mailto:heather.kaarakka@wi.gov)).

#### D. Tree Cutting

Northern long-eared bats are federally protected in trees that are known maternity roosts (from June 1 – July 31) and in areas where known hibernacula could be impacted (including tree removal within 0.25 miles of a hibernacula entrance). If you will be cutting trees, please have an Endangered Resources Review <http://dnr.wi.gov/topic/ERReview/Review.html> conducted to determine if known northern long-eared bat maternity roosts or hibernacula exist near your project. If the Endangered Resources Review states that these areas do not exist near your project, there are no restrictions for tree cutting; however special consideration should be given to protecting snags or dying trees, particularly from June 1 – August 15.

#### E. Bridge Projects

The process for assessing transportation project impacts to listed species and the associated minimization measures will follow existing protocols.

1. Bridge repairs or demolition occurring from August 16 – May 31 do not have any restrictions. If bats are present, reasonable attempts should be made to prevent take by excluding the bats from the structure prior to demolition.
2. Emergency bridge repairs or demolition occurring from June 1 – August 15 are covered under this permit/authorization but must be reported within 5 working days (**report required – see “Note” above**).
3. Non-emergency bridge repairs or demolition may not occur from June 1 - August 15 unless bats are excluded prior to April 1 to prevent bats from using the bridge during the maternity period.

#### F. Miscellaneous Building Projects (e.g., roofing, painting, siding)

1. For projects occurring where there is no evidence of bat presence (see Appendix 3):
  - Full bat exclusions are not required.
  - If roofing, painting or siding and bats are found incidentally under shingles or roof vents, or behind shutters or siding, set the shutters or siding down and leave the area. Once the bats have left, continue with repairs. If bats do not leave, attempts should be made to transfer the bats to a wildlife rehabilitator OR the DNR's bat biologists should be consulted for additional options (Paul White, 608-267-0813 and [john.white@wi.gov](mailto:john.white@wi.gov), or Heather Kaarakka, 608-266-2576 and [heather.kaarakka@wi.gov](mailto:heather.kaarakka@wi.gov)).
2. For projects occurring from June 1 – August 15, where there is known bat presence (see Appendix 3):
  - Building projects with the potential to impact bats and bat exclusions are generally not permitted during this time period in order to protect flightless pups in the roost. Exclusion and subsequent building repairs may occur only if the bats are considered



by the landowner to be a health risk. In these situations, a health exemption form must be completed within 5 days of starting work (see section A).

- If roofing, painting or siding and bats are found incidentally under shingles or roof vents, or behind shutters or siding, set the shutters or siding down and leave the area. Once the bats have left, continue with repairs. If bats do not leave, attempts should be made to transfer the bats to a wildlife rehabilitator OR the DNR's bat biologists should be consulted for additional options (Paul White, 608-267-0813 and [john.white@wi.gov](mailto:john.white@wi.gov), or Heather Kaarakka, 608-266-2576 and [heather.kaarakka@wi.gov](mailto:heather.kaarakka@wi.gov)). Note that full bat exclusions are not required when bats are only incidentally found during miscellaneous building projects.
3. Projects occurring from August 16 – May 31 where there is known bat presence (see Appendix 3):
- Take should be minimized during the course of the project by following applicable exclusion protocols listed in Appendix 5. Exclusion practices used that are not described in Appendix 5 are in violation of this permit/authorization.
  - If roofing, painting or siding and bats are found incidentally under shingles or roof vents, or behind shutters or siding, set the shutters or siding down and leave the area. Once the bats have left, continue with repairs. If bats do not leave, attempts should be made to transfer the bats to a wildlife rehabilitator OR the DNR's bat biologists should be consulted for additional options (Paul White, 608-267-0813 and [john.white@wi.gov](mailto:john.white@wi.gov), or Heather Kaarakka, 608-266-2576 and [heather.kaarakka@wi.gov](mailto:heather.kaarakka@wi.gov)). Note that full bat exclusions are not required when bats are only incidentally found during miscellaneous building projects.

#### G. Wind Energy Development

Wind energy projects typically affect tree bat species (not currently listed) and only impact cave bat species in certain situations (e.g., projects located near cave bat hibernacula may increase the occurrence of impacts to cave bats especially during fall migration in August and September). Further, there is not enough data at this time to determine the impact of potential mortality to local bat populations. Because of this uncertainty and the scope of impacts, no additional actions, above those currently requested by the Department, will be required of this industry at this time.

#### **Mitigation**

For every take of a cave bat that occurs, reasonable attempts must be made to prevent future take in the same area (e.g., exclusion of bats from the area, sealing of siding or eaves after bats are gone).

#### **Responsible Parties**

Landowners are responsible for all actions and costs incurred as a result of following this Broad Incidental Take Permit/Authorization.

#### **Funding**

Landowners are responsible for all costs incurred as a result of following this Broad Incidental Take Permit/Authorization.

Appendix 1: Health Information

Appendix 2: Removing and Excluding Bats

Appendix 3: Determining Bat Presence

Appendix 4. Cleaning and Disinfection Protocols for Bat Exclusion Professionals

Appendix 5. WDNR Exclusion Protocol

## **Appendix 1: Health Information**

The following information was created by the Center for Disease Control and Prevention (CDC): <http://www.cdc.gov/rabies/bats/contact/index.html>. This information should be followed when handling or testing bats for rabies or histoplasmosis.

Recent data suggest that transmission of rabies virus can occur from minor, seemingly unimportant, or unrecognized bites from bats. Human and domestic animal contact with bats should be minimized, and bats should never be handled by untrained and unvaccinated persons or be kept as pets.

In all instances of potential human exposures involving bats, the bat in question should be safely collected, if possible, and submitted for rabies diagnosis. Rabies postexposure prophylaxis is recommended for all persons with bite, scratch, or mucous membrane exposure to a bat, unless the bat is available for testing and is negative for evidence of rabies.

Postexposure prophylaxis should be considered when direct contact between a human and a bat has occurred, unless the exposed person can be certain a bite, scratch, or mucous membrane exposure did not occur.

In instances in which a bat is found indoors and there is no history of bat-human contact, the likely effectiveness of postexposure prophylaxis must be balanced against the low risk such exposures appear to present. Postexposure prophylaxis can be considered for persons who were in the same room as a bat and who might be unaware that a bite or direct contact had occurred (e.g., a sleeping person awakens to find a bat in the room or an adult witnesses a bat in the room with a previously unattended child, mentally disabled person, or intoxicated person) and rabies cannot be ruled out by testing the bat. Postexposure prophylaxis would not be warranted for other household members.

If you woke up because a bat landed on you while you were sleeping or if you awakened and found a bat in your room, you should try to safely capture the bat and have it tested. The same precautions should be used if you see a bat in a room with an unattended child, or see a bat near a mentally impaired or intoxicated person.

The small teeth of the bat can make a bite difficult to find. Be safe and in these situations, try to safely capture the bat, have the bat tested, and seek medical advice.

## **Appendix 2: Removing and Excluding Bats**



# Bat Exclusion

Method used by The Wisconsin Bat Program

## A PROVEN SOLUTION

**Do you have bats that you would like to remove from your living space?** The following description is the widely accepted, non-lethal approach for excluding bats from your home. Killing the bats you will find does not solve the root problem which involves locating and sealing the actual access point that the bats are using. The remaining bats and future bats will still find their way into your attic or similar roosting space until you locate and seal all access points. Bats are NOT rodents and therefore will NOT chew their way into your house if you close off the opening. They use only existing openings.

As you may already know, bats are extremely beneficial to have in your neighborhood and many property owners spend a lot of effort trying to attract bats to their area by providing artificial roosts for them. If you have bats in your home you are half-way to experiencing the benefits of these insect-eating mammals without having to share your living space. The first step is already done; you have the bats interested in your location. The second step involves providing these bats with alternative roosting options that allows them to remain on the property without having access to your home. Finally, after a successful exclusion, the bats you saved will have a good chance of staying nearby. Why should you care if they stay? A single bat can eat 1,000 or more mosquito-sized insects in one hour

and the equivalent of the bat's own body weight per night. As that is just a single bat, you can imagine what a colony of 20 to 100 bats can eat in one night.

Bats will NOT attack you while you are enjoying an evening on your porch. Instead, they are enjoyable to view as they capture 100's and 1,000's of insect pests that would normally be interrupting your relaxing night outside. They conduct this service to you for free. You simply need to provide these bats with an alternative place to live that is not in your home. Like bird houses, a bat house is relatively easy to build yourself, inexpensive to purchase, and readily available from a variety of organizations.

## Let's get started with the process.

First of all, timing is important when excluding bats from the home. Do not attempt to exclude bats during the summer months when the colony is established and the young are unable to fly. Bat exclusions should not be conducted from May 1st through August 31. Exclusions occurring during this time period will separate mothers from their pups, leaving the pups to die of starvation. Frantic mothers, searching for an opening to reach their pups, may enter your living space and be more difficult to deal with than what you started with. By trapping the flightless young inside, you may also have created another unexpected

problem involving the smell of dead animals.

### **Step 1: OBSERVE**

#### **Where are the bats entering?**

At sunset or just before sunrise, have one or more persons located around the house observe where the bats are exiting the building. Observers should be able to see the entire structure without turning their heads; bats can exit and take flight in a matter of seconds. Make observations



**Bat Guano**

for several nights. This will ensure that all or most exit-points are identified. Pay special attention to areas in which bats commonly find access to your home: corners, eaves, louvers, loose siding, window air conditioners, and loose or damaged screens. Search the building for other various structural defects needing maintenance as the bats may search for alternative openings to their former roosting site after exclusion. It may take a second year of observation to ensure you have located all possible entry points.

Visible signs such as staining and guano (bat droppings) will also help identify openings. The body oils of bats can cause



**Bat guano in front of garage**

staining on the main access areas of the building, though you will need to look carefully because it is not always obvious. One of the best ways to find an opening is somewhat counter-intuitive: looking down instead of up. Guano found on the ground indicates bat activity from their opening above. When you find a concentration of these small droppings on the ground next to the foundation, you will often have a better chance of finding the access point.

### **Step 2: INSTALL**

#### **Can we still keep the bats here in my yard by putting up a bat house?**

YES. Want to provide bats with a home, just not your own? We recommend installing an alternative roost, commonly referred to as a “bat house”, in the general vicinity of the entry-points. If you exclude in the fall, installing the bat house a year before the exclusion or during the start of summer, provides the best chance for



**Two types of bat houses**

success. As bats come and go, they will become familiar with the structure. Upon exclusion, this familiarity will provide the best possible chance for the successful inhabitation of the bat house by the recently excluded bats. If you are interested in purchasing or building bat houses, contact the Wisconsin Bat Monitoring program. The program staff can help you decide on where to purchase the best bat house design with proven success. The Wisconsin Bat Monitoring program can also give you instructions for building your own bat house. Read our information pamphlet titled: "Building a Bat House" to learn how to build and locate your bat house. Location and design are critical pieces as bats are more difficult to attract to a bat house than birds are to a bird house.

### **Step 3: EXCLUDE**

- 1. One-way doors**
- 2. One-week wait,**
- 3. Seal all of the holes.**

After all openings have been discovered, install one-way exits. These exits will allow bats to leave, but will not allow them to re-enter. Keep in mind the time of year as you do not want to trap the flightless young inside. Avoid excluding bats between May 1<sup>st</sup> and August 31<sup>st</sup>.

One-way exclusion devices can be created using plastic netting with one-sixth inch (0.4 centimeter) or smaller mesh. Shape the plastic netting so that it covers the opening entirely and extends at least two feet below it. Using staples or duct tape, attach the top and side edges of the



**Applying screen for one-way door**

plastic netting to the building, leaving the bottom edge open. Be conscious of the netting's tautness; you should be able to slide your hand into the bottom opening though not so loose that the bats may easily crawl back up the opening. At sunset the following night, some of the bats will escape through the open, bottom portion. Leave the netting up for five to seven days; this will ensure that all bats have exited the building. After all bats have been excluded, you may then seal the openings permanently with appropriate construction materials.



**Space on bottom for bats to escape**

Remember that bats will not chew their way back inside your house. So, after you've found and sealed all of the access points you will have successfully excluded the bats from your living space.

Other materials can be used to create one-way exits, such as plastic sheeting or PVC pipe. Install the plastic sheeting in the exact manner as the plastic netting. A portion of PVC pipe, which should be similar in size to a tube of caulk, can be inserted into the opening. Seal the



**PVC one-way door**

remaining portion of the opening that surrounds the outer rim of the pipe.

### **Clean-up**

After the bats have been successfully excluded, most people will want to clean the guano out of the building. When cleaning enclosed spaces, there is one simple precaution you should take in protecting yourself from being exposed to a disease known as histoplasmosis. Histoplasmosis is a respiratory disease caused by a fungus that can grow on accumulations of bird and bat guano and may become airborne if disturbed during the cleaning process. The fungus is not necessarily present at your site; however it is best to approach any clean-up with some safety measures. Symptoms of histoplasmosis usually appear within 3 to 17 days after exposure, and may resemble a cold or chronic cough. The risk of histoplasmosis can be reduced and even prevented by wearing a face mask and gloves while working. Wash all clothes and equipment after cleaning out the previously occupied space. If you want nothing to do with a possible risk to your health there are professional cleaning services that can do this for you. Search online or in your phone directory for a local business. There are also a number of exclusion professionals that deal specifically with bat removal in the State of Wisconsin if you are not comfortable with the do-it-yourself method.



## Summary

This is how you conduct widely accepted, non-lethal approach to excluding bats from your living space.

1. Observe your building around sunset or sunrise to detect all locations bats are using for access.
2. Install a bat house prior to conducting exclusion in order to maintain the beneficial insect-eating service of the bats in your back yard.
3. Install a one-way door over the opening(s) and wait a week until all of the bats have left.
4. Permanently seal the access points with appropriate materials.
5. Enjoy a night on your deck or patio and watch your relocated colony of bats eat 100's to 1,000's of mosquito-sized insects.
6. Let us know how it worked out as we would like to hear your success story about relocating bats from your attic to their own bat house.
7. For additional information on bats of Wisconsin check out our bat website.

### **Wisconsin Bat Monitoring Program**

<http://wiatri.net/inventory/bats>

## Bat Access points to your living space

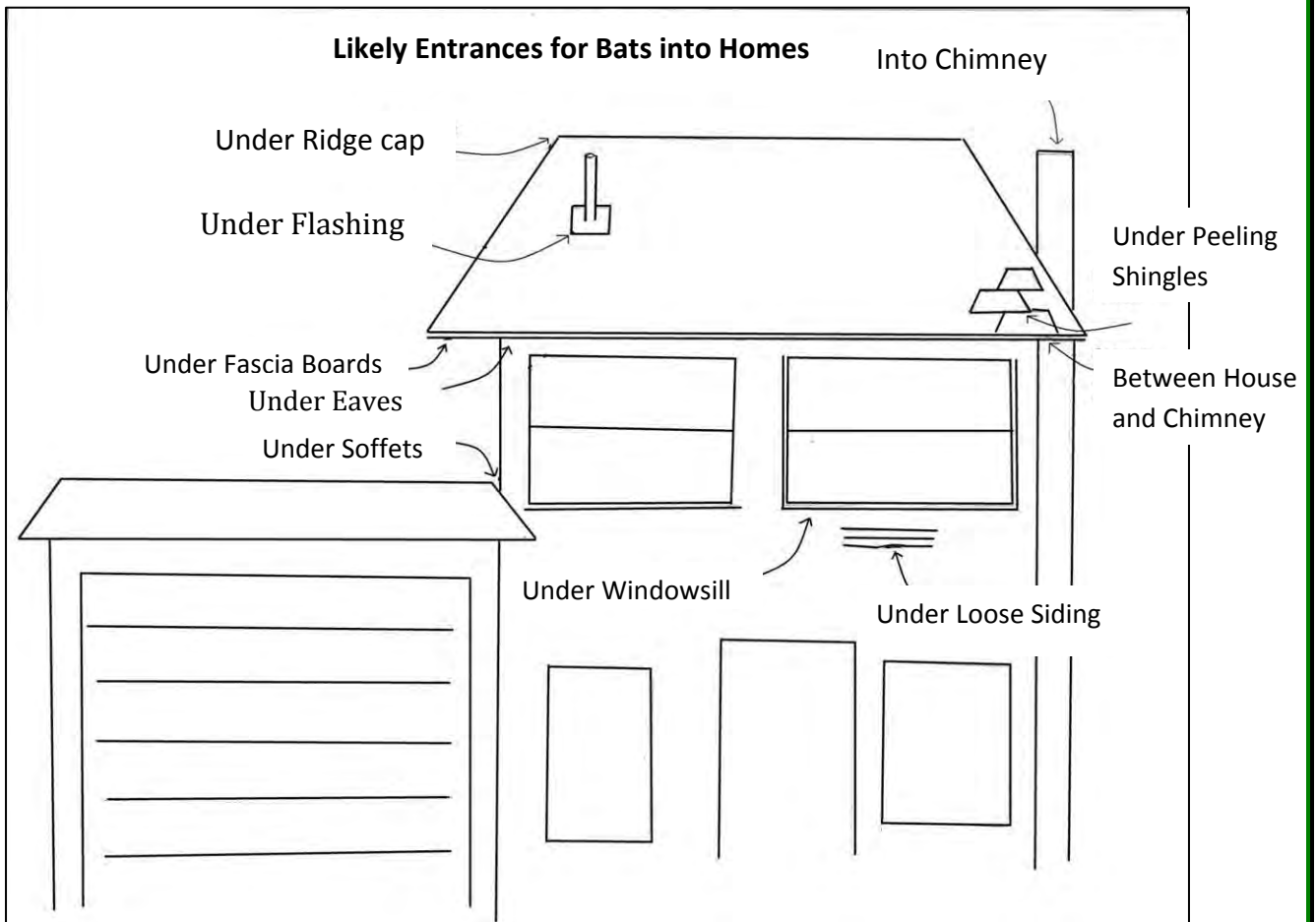


Figure 1: There are several common entry points for bats to find their way into your home. Check for guano piles and stains around these points first in locating the entry points.

## Exit Only

### One-way Doors for Bat Exclusion

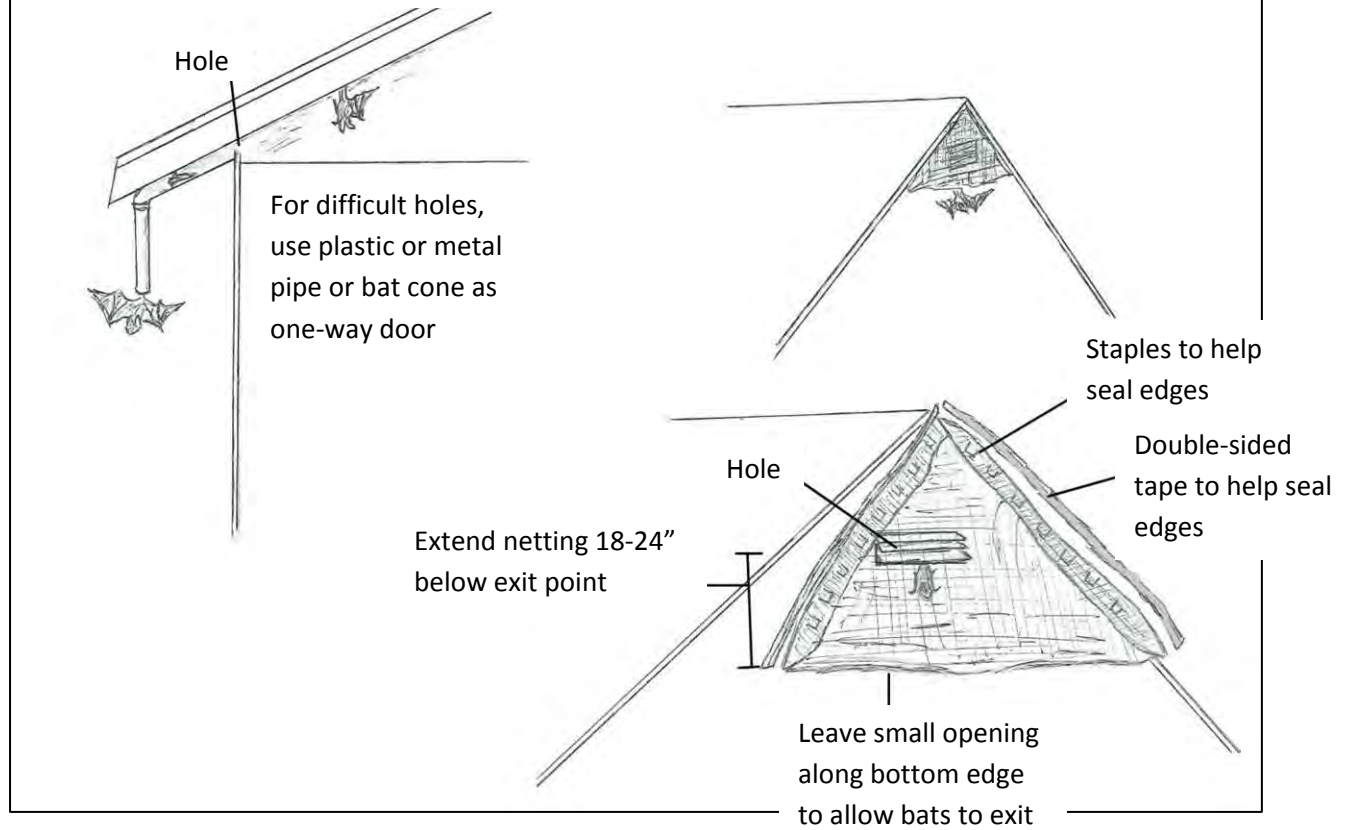


Figure 2: Two common one-way door designs: PVC tube for a small oddly-shaped hole, and netting or mesh for larger holes.

### **Appendix 3: Determining Bat Presence**

1. Take note of places where bats are likely to enter your home. Bats can enter through holes smaller than a quarter in size. Places like fascia boards, where two buildings meet, between the building and a chimney, under loose shingles, under ridge caps, under windows, through vents into attics, under flashing, under eaves and under loose siding are all common places for bats to enter.
2. Look for evidence on the ground. Bats will defecate while they roost, and piles of guano usually indicate where bats are roosting.
3. Look for evidence on the building itself. Places where bats enter and exit often have stains from urine and skin oils on the siding and holes. These can be good indications of where bats are entering.
4. Monitor in the evening. Even if no visible signs occur, bats may still be roosting in a building. Observe the building at dusk to see if any bats fly out of openings. Listening at this time can also alert the observer to the presence of bats. Bats will often become very vocal 5-10 minutes before they take flight to forage. Bats make an audible buzzing and clicking while they are roosting.

#### Appendix 4.

The WDNR is requiring cleaning of all equipment and clothing that comes in contact with cave bats and their habitat at any point during the year in an effort to control human transmission of white-nose syndrome. The fungus that causes white-nose syndrome, *Pseudogymnoascus destructans* was listed as prohibited invasive species in 2011 under NR. 40, and allow for the following control measures.

All equipment and clothing that is used outside of the state of Wisconsin and at multiple sites within the state during exclusion must be cleaned according to the protocols listed in appendix 4. Protocols are in accordance with U.S. Fish and Wildlife Service white-nose syndrome decontamination procedures: <http://whitenosesyndrome.org>.

Additionally, to minimize risk of possible transfer of the SARS-CoV-19 to North American bats, follow these guidelines for proper Personal Protective Equipment during work.

1. Per CDC guidelines for COVID-19, to block or minimize exchange of respiratory droplets wear a mask when doing work involving bats, including installation of one-way doors and cleaning of attics.
2. Use of disposable equipment and coverings (gloves, coveralls and booties) is highly recommended.
3. All equipment used during the exclusion process should be thoroughly scrubbed or brushed to remove all organic material.
4. Once scrubbed of organic material, clothing and equipment must be sealed in a plastic container or bag to be transported to a suitable site for cleaning. Anything that can be disposed of must be sealed in a plastic trash bag and discarded.
  - a. All equipment and clothing that can be **completely submersed** must be washed with Woolite in wash cycle, rinsed, then
    - i. submersed in hot water (>131 degrees F) for a minimum 20 minutes
    - ii. soaked in 1:10 bleach solution for a minimum of 10 minutes,
    - iii. soaked in 1:128 Lysol for a minimum of 10 minutes.
  - b. All equipment that **cannot be completely submerged** in a solution or hot water or must be used immediately between sites must be scrubbed to remove all organic material and wiped with Lysol disinfecting wipes so that the entire surface is disinfected.
5. All equipment and clothing must air dry.
6. Prior to entering the vehicle, clean or remove clothing and footwear to avoid contaminating vehicles.

## Appendix 5: WDNR Exclusion Protocol

Exclusion activities outside of the following protocol are not covered under the Broad Incidental Take Permit/Authorization and mortality may incur fines. The landowner and/or the pest control operator completing the work may be liable for fines.

Exclusion is the act of allowing bats to leave but not return to a building through the use of one-way doors. One-way doors may be comprised of the following materials and design:

1. **Tubing**- Tubes for exclusion may be plastic or metal and should hang down at least 10-15 inches from the opening. Netting may be installed at the end of the tube to prevent re-entry but the mesh must be plastic with holes smaller than 1/6<sup>th</sup> inch.
2. **Mesh or netting**- Netting may be installed over entry/exit points, but the netting must have holes 1/6<sup>th</sup> inch or smaller so as to not trap bats, and must extend at least two feet below the entry point. The mesh/netting must be open at the bottom to allow bats to exit under the screen.
  - a. If it is found the netting used is tangling and trapping bats, the pest control operator must remove the bats and release them, and the netting must be replaced with smaller mesh or with a different type of one-way door.
3. **Plastic sheeting**- Plastic sheeting may be installed in a similar fashion to the mesh. There should be enough space behind the plastic to allow the bats to crawl out from behind the sheeting. It must be open at the bottom to allow the bats to exit.
4. **Changes to roosting environment**- changes can be made to the roosting habitat to discourage use by bats. These may include, but are not limited to, installation of windows to increase light in the roost, or installation of sheet metal on roosting surface to limit ability of bats to hang. Any changes to the roost environment must not cause take.

Exclusion devices must remain up for at least 5 days prior to sealing the openings, and there must not be bats in the roost when building is sealed.

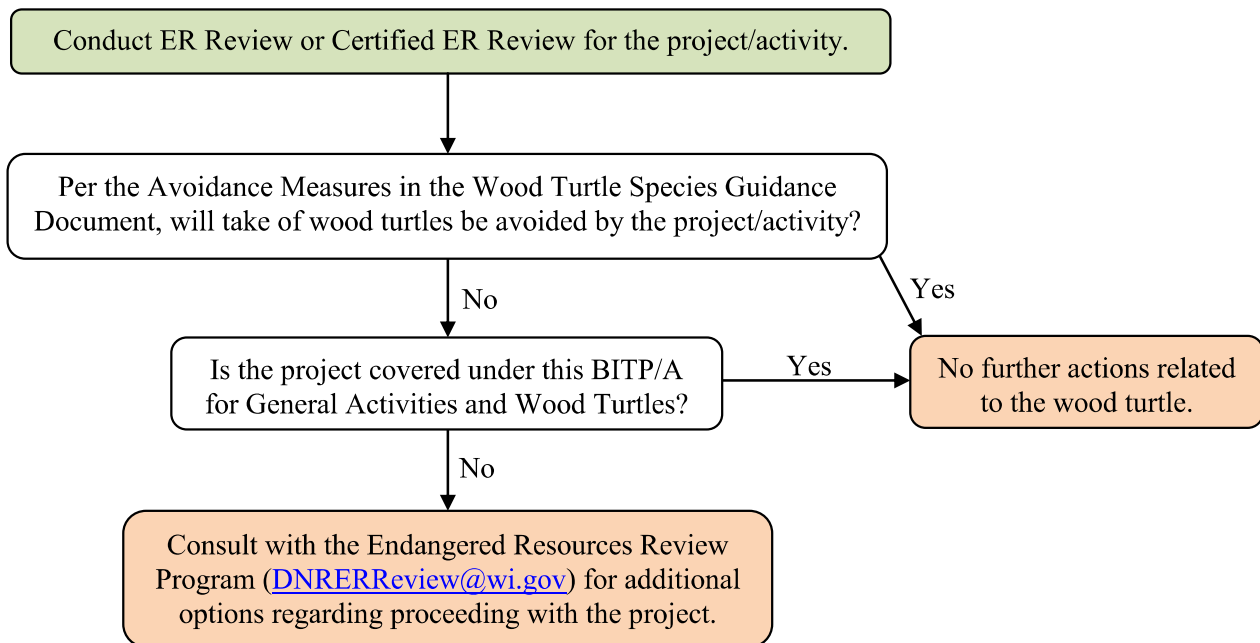
**APPENDIX E-25      BITP/A for Wisconsin Wood Turtles**

**Wisconsin Department of Natural Resources  
Broad Incidental Take Permit/Authorization for Common Activities**

**General Activities  
and  
Wood Turtle (*Glyptemys insculpta*)**

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If an Endangered Resources (ER) Review or Certified ER Review has indicated the likely presence of the wood turtle and avoidance is not possible (per the Wood Turtle Species Guidance document: <http://dnr.wi.gov/files/PDF/pubs/er/ER0684.pdf>), this Broad Incidental Take Permit/Authorization (BITP/A) should be followed. In general, this BITP/A covers most activities that do not permanently impact habitat (e.g., land management, forestry activities, utility activities) but does not cover land conversion activities (e.g., commercial development, residential development, road expansion).





April 2016

**The following activities are NOT covered under this Broad Incidental Take Permit/Authorization but may be eligible to apply for an individual Incidental Take Permit/Authorization or an Endangered/Threatened (E/T) Permit<sup>1</sup>:**

1. Land conversion activities (e.g., commercial development, residential development, road expansion) that permanently alter or reduce habitat.
2. Ground disturbance, heavy equipment operation or supply/equipment storage within nesting habitat (exposed sand or gravel areas within 200 ft of a suitable stream/river) during the nesting season (May 20 – September 18), unless *erosion/sediment control fencing or amphibian/reptile exclusion fencing is installed around the project area during the inactive period (November 1 – March 14) to prevent turtles from accessing the work area.*
3. Prescribed burning during the egg laying period (May 20 – July 5) within nesting habitat (exposed sand or gravel areas within 200 ft of a suitable stream/river), unless *erosion/sediment control fencing or amphibian/reptile exclusion fencing is installed around the project area during the inactive period (November 1 – March 14) to prevent turtles from accessing the burn area.*
4. Instream work and drawdowns during the maximum overwintering period (October 1 – April 30). In stream work includes, but is not limited to, streambank/rip rap installation, ford installations, open cut trenching, and dredging.
5. Intentional killing or collection of wood turtles (includes eggs, hatchlings, juveniles and adults).

**All projects not listed above are covered under this Broad Incidental Take Authorization if the following measures are followed:**

1. Project personnel (individuals on site for project purposes rather than for the purpose of looking for turtles) must move any turtles observed on site out of harm's way.
2. Only the following herbicides may be used during periods when the turtles could be negatively impacted: 2, 4-D salt at concentrations of 40 ppm or less (2, 4-D ester should not be used), clopyralid (e.g., Transline), Cutrine without a surfactant, diquat (dibromide) at concentrations of 1.0 ppm or less, glyphosate without a surfactant (e.g., Aquaneat), hexazinone (e.g., Velpar), imazapyr (e.g., Arsenal, Chopper), Triclopyr ester and salt concentrations of less than 2.0 ppm. Other herbicides may be approved on a case by case basis by the Endangered Resources Review Program ([DNRRERReview@wi.gov](mailto:DNRRERReview@wi.gov)). *Note – these herbicide brand names are only provided for reference and are not an endorsement of any specific brand.*

**Voluntary Conservation Measures (these are strictly voluntary measures at the discretion of the landowner but would help to conserve this species, wherever possible):**

1. For streambank stabilization/rip rap projects, it is recommended that all voids in exposed rock above the Ordinary High Water Mark be filled with soil and seeded with a native seed mix

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<sup>1</sup> Consult with the Endangered Resources Review Program ([DNRRERReview@wi.gov](mailto:DNRRERReview@wi.gov)) for more information

## April 2016

appropriate for the habitat. It is recommended that any riprap not able to be top-dressed with soil and seeded will have the interstitial voids filled with 0.5 to 2.0 inch gravel to ensure that hatchling turtles cannot become entrapped in large voids between rocks.

2. It is recommended that activities during the turtle's active season that occur within 100 feet of a suitable wood turtle stream/river take place when 100% of the area is naturally snow covered.
3. It is recommended that activities during the turtle's active season that occur greater than 100 feet from a suitable wood turtle stream/river take place at any time of year when 50% or more of the harvest area is naturally snow covered.
4. Minimize work within wood turtle upland foraging areas (measured out from a suitable stream/river shoreline).

Dates*	Wood Turtle Upland Foraging Area (Recommend Minimizing Disturbance in These Areas)
Nov 1 - Mar 14	none
Mar 15 – May 14	0-75 m (0-264 ft)
May 15 – Sept 15	0-300 m (0-984 ft)
Sept 16 - Oct 31	0-75 m (0-264 ft)

*\*The dates listed can change each year based on annual weather conditions (e.g., cold spring, late snowfall, early frost). These changes will be posted on the DNR website:*

<http://dnr.wi.gov/topic/WildlifeHabitat/Herps.asp#regs>.

*\*\*Uplands are defined as any area that is not a stream/river (i.e., not overwintering habitat).*

5. If erosion matting (also known as an erosion control blanket, erosion mat or erosion mesh netting) will be used, the following matting (or something similar) should be installed: Use matting that incorporate a “leno” or “gauze” weave (where strands have independent movement). Ensure the weave is loose and the strands have good mobility. American Excelsior “FibreNet” or “NetFree” products; East Coast Erosion biodegradable jute products; Erosion Tech biodegradable jute products; ErosionControlBlanket.com biodegradable leno weave products; North American Green S75BN, S150BN, SC150BN or C125BN; or Western Excelsior “All Natural” products. *Note – these brand names are only provided for reference and are not an endorsement of any specific brand.*
6. Nest site creation/restoration/enhancement (if you are interested in this option, please contact a District Ecologist or the Endangered Resources Review Team for more information).
7. Invasives clearing from a nesting or foraging area (if you are interested in this option, please contact a District Ecologist or the Endangered Resources Review Team for more information).
8. Install culverts under roads with turtle exclusion fencing (if you are interested in this option, please contact a District Ecologist or the Endangered Resources Review Team for more information).

**APPENDIX E-26**

**2021 NSPW Hayward Project Recreation Report**



1414 West Hamilton Avenue  
PO Box 8  
Eau Claire, WI 54702-0008

February 24, 2021

VIA Electronic Mail

Ms. Cheryl Laatsch  
Wisconsin DNR  
N7725 Hwy 28  
Horicon, WI 53032

Ms. Angela Tornes  
National Park Service  
626 E. Wisconsin Ave., Suite 400  
Milwaukee, WI 53202

Mr. Nick Utrup  
U.S. Fish & Wildlife Service  
4101 American Boulevard East  
Bloomington, MN 55425

Mr. John McCue  
City of Hayward Public Works  
P.O. Box 969  
Hayward, WI 54843

**Subject: Recreation Report  
Hayward Hydro – FERC Project No. 2417**


Dear Ms. Laatsch, Ms. Tornes, Mr. Utrup and Mr. McCue:

Enclosed for your review is the 2021 Recreation Report for the Hayward Hydroelectric Project (Project). Pursuant to Article 414 of the Federal Energy Regulatory Commission's license for the Project, Northern States Power Company (licensee), d/b/a Xcel Energy, is required to monitor recreational use every six years to determine whether existing recreation facilities are meeting recreation needs. License Article 414 further directs licensee to allow the agencies 30 days to provide comment on the recreation report.

Please provide any comments you may have by **March 27, 2021**. If I do not hear from you by then, I will assume that you are satisfied with the report and will file it with the Commission accordingly. Should you have any questions, please feel free to contact me at (715) 225-8841 or [matthew.j.miller@xcelenergy.com](mailto:matthew.j.miller@xcelenergy.com).

Sincerely,

**Matthew J.  
Miller**  
Matthew Miller  
Hydro License Compliance Consultant

 Digitally signed by Matthew J. Miller  
DN: cn=Matthew J. Miller, o=Xcel Energy,  
ou=Energy Supply,  
email=matthew.j.miller@xcelenergy.com, c=US  
Date: 2021.02.24 13:50:15 -06'00'

Enclosure: Hayward Recreation Report

c: Marty Sneen – EA Associates (via e-mail)  
Scott Crotty, Rob Olson – Xcel Energy (via e-mail)  
Hayward Project Files



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# **Recreation Report for the Hayward Hydroelectric Project (FERC Project No. 2417)**

*Prepared for*

Northern States Power Company - Wisconsin  
d/b/a Xcel Energy  
P.O. Box 8  
Eau Claire, Wisconsin 54702

*Prepared by*

EA Engineering, Science, and Technology, Inc., PBC  
225 Schilling Circle, Suite 400  
Hunt Valley, Maryland 21031  
(410) 584-7000

February 2021  
Version: DRAFT  
EA Project No. 1605201

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# **Recreation Report for the Hayward Hydroelectric Project (FERC Project No. 2417)**

*Prepared for*

Northern States Power Company - Wisconsin  
d/b/a Xcel Energy  
P.O. Box 8  
Eau Claire, Wisconsin 54702

*Prepared by*

EA Engineering, Science, and Technology, Inc., PBC  
225 Schilling Circle, Suite 400  
Hunt Valley, Maryland 21031  
(410) 584-7000

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Name 1  
Title

Date

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Name 2  
Title

Date

February 2021  
Version: DRAFT  
EA Project No. 1605201

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### APPENDIX A: AGENCY CORRESPONDENCE

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### **LIST OF ACRONYMS AND ABBREVIATIONS**

ADA	Americans with Disabilities Act
COVID-19	Coronavirus Disease 2019
FERC	Federal Energy Regulatory Commission
NPS	National Park Service
WDNR	Wisconsin Department of Natural Resources

## 1. INTRODUCTION

Lake Hayward is a 247-acre impoundment of the Namekagon River located in the City of Hayward, Sawyer County, Wisconsin, (Figure 1-1). Lake Hayward contains 8.64 miles of shoreline, with approximately 11 percent of the lakeshore accessible to the public and the remainder heavily developed. In general, Lake Hayward is a popular summer resort area that receives tourists from around the country. Recreation on Lake Hayward accounts for a small percent of the overall summer recreation that occurs in the Hayward area. Individual homes are located along the shoreline of Lake Hayward and these homeowners also use the lake for recreational opportunities on a regular basis. Lake Hayward is also a popular resort area for winter recreation including snowmobiling and cross-country skiing. Some visitors use Lake Hayward during the winter season for recreation. The American Birkebeiner, a large internationally known cross-country ski race, crosses Lake Hayward. During this event, thousands of skiers cross the lake on one weekend each winter.

The Hayward Hydroelectric Project (FERC Project No. 2417) operates under a 30-year license issued by the Federal Energy Regulatory Commission (FERC). License Article 414 requires that the Licensee (Xcel Energy) monitor recreational use of the Hayward Hydroelectric Project area to determine whether existing recreational facilities are meeting recreational needs. In December 2018, FERC amended their regulations to remove §8.11, eliminating the requirement for licensees to file a Licensed Hydropower Development Recreation Report, designated as FERC Form No. 80 (Form 80). Form 80 solicited information on the use and development of recreational facilities at hydropower projects licensed by the Commission under the Federal Power Act. Therefore, a Recreation Study of Lake Hayward was conducted in 2020 to comply with both the license article and amended FERC regulations.

The goals of the 2020 Lake Hayward Recreation Study were to:

- provide updates on the inventory and condition of the recreational facilities at Lake Hayward;
- estimate the recreational usage on Lake Hayward both as a whole and at specific recreational facilities;
- determine the adequacy of each of the recreational facilities and their ability to meet the current recreational demand; and
- obtain feedback from users on the recreational facilities to help gauge facility adequacy and receive input from the public on recommended improvements to the recreational facilities.

The results of the Hayward Recreation Study are presented in this Recreation Report which includes the following items:

- annual recreation counts based on the data collected in 2013–2014 and the 2020 population and recreation trends;
- a discussion of the adequacy of the Licensee's recreational facilities in the project area to meet recreational demand;
- a description of the methodology used to extrapolate the 2013–2014 data to determine the recreational use of Hayward in 2020; and
- recommendations to accommodate recreational needs in the project area.



Figure 1-1 Location of Lake Hayward, Hayward, Wisconsin

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## 2. METHODS

This section describes the methods used to collect, summarize, and extrapolate the recreation data for 2020. Each subsection focuses on the different types of data and information collected.

### 2.1 INVENTORY OF FACILITIES

A list and inventory of public and private recreational facilities at Lake Hayward was created using previous recreation studies, maps and aerial images of the area, internet resources, and interviews. Section 3 describes each of the following public recreational facilities in detail:

- Hayward Boat Landing Area
- Hayward Beach and Park Area
- Tailwater Access and Canoe Portage
- Other Access Points.

### 2.2 INTERVIEWS WITH OWNERS AND OPERATORS OF FACILITIES AND OTHER KEY PERSONNEL

Phone interviews with key personnel associated with the recreational facilities on Lake Hayward were conducted during Fall 2020. Interviews were conducted with the hydroelectric project operator and staff from the Wisconsin Department of Natural Resources (WDNR), National Park Service (NPS), and City of Hayward Public Works. The goals of these interviews were to characterize current recreation, assess the adequacy of the facilities, identify any changes that have occurred since the 2013–2014 Recreation Study, and discuss improvements that are planned to take place over the next several years. Details of each interview are contained in Section 4.

### 2.3 COUNTS OF RECREATIONAL USERS

Field surveys or passive counting efforts were not conducted on Lake Hayward in 2020. Instead, estimated counts of recreational users were based on local population change occurring since data were collected during the 2013–2014 Recreation Study. For detailed descriptions of data collection and analysis methodologies used to produce the 2013–2014 Recreation Study, see Great Lakes Environmental Center (2015).

In order to quantify how recreational use of Lake Hayward may have changed between the 2013–2014 study period and the 2020 study period, estimates of population change at the county level were applied to the data reported in the 2013–2014 Recreation Study. Population estimates for three counties were obtained from the U.S. Census Bureau (2020) for the years 2013, 2014, and 2019 (being the most recent year for which estimates are available). Counties selected were Sawyer County, where Lake Hayward is located, and the two neighboring counties nearest to Lake Hayward, i.e., Washburn and Bayfield counties. Population estimates were summed for all counties for the years 2013, 2014, and 2019 (Table 2-1). The tri-county population estimate averaged between years 2013 and 2014 was subtracted from the tri-county 2019 population

estimate to yield the population change across all counties. The percent population change relative to the 2013–2014 average was then applied to the recreational use data reported in the 2013–2014 Recreation Study to produce estimates for recreational use in 2020 (see Section 5).

**Table 2-1 Estimated local population change, Lake Hayward tri-county area (2013/2014–2019)**

	Population, 2013	Population, 2014	Average Population, 2013–2014	Population, 2019	Population Change, 2013/14–2019	Population Change (percent)
Sawyer County	16,474	16,357	16,416	16,558	+143	+0.9
Washburn County	15,661	15,658	15,660	15,720	+61	+0.4
Bayfield County	15,113	14,973	15,043	15,036	-7	0.0
<b>All Counties</b>	<b>47,248</b>	<b>46,988</b>	<b>47,118</b>	<b>47,314</b>	<b>+196</b>	<b>+0.4</b>


Note: Due to rounding, sums may not add up as presented.

## 2.4 SELF-REPORTING SURVEYS

A self-reporting survey form was developed to capture detailed information on visitor use and satisfaction of the recreational facilities at Lake Hayward (Figure 2-1). Weatherproof survey boxes that housed the uncompleted blank and completed survey forms were placed at various facilities around Lake Hayward (Figure 2-2). Completed forms were removed by hydroelectric project operators on a regular basis. The goals of the self-reporting surveys were to:

- collect and characterize information about visitors including party size, length of stay, types of recreational activities, and mode of travel;
- collect opinions of the adequacy of recreational facilities at Lake Hayward and obtain suggestions for improvements to any of the facilities or recreational opportunities in general; and
- Determine how Coronavirus Disease 2019 (COVID-19) has influenced visitors' recreational experience.

Data collected were used to support extrapolation of visitor use data and to identify improvements needed in the future. Summary results of the self-reporting surveys can be found in Section 6.



Lake Hayward Recreation Survey 2020

### Lake Hayward Recreation Use Survey Form

1. In 2020 (January through December), how many days and nights have you spent or do you plan to spend recreating in the Lake Hayward area in the following months?

# Days/Nights	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep t.	Oct.	Nov.	Dec.
Days												
Nights												

2. In 2020, (January through December), what percentage of your time recreating in the Lake Hayward area is during:  
 Weekdays \_\_\_\_\_ Weekends/holidays \_\_\_\_\_ (Total should equal 100%)

3. During your recreation visits at Lake Hayward in 2020 (January through December), how many hours on average do you spend each day during the following time periods:  
 6AM to 10AM \_\_\_\_\_ 10AM to 2 PM \_\_\_\_\_ 2PM to 6PM \_\_\_\_\_ 6PM to 10PM \_\_\_\_\_ 10PM to 6 AM \_\_\_\_\_

4. What is the average amount of time you spend at Lake Hayward during a recreational visit? \_\_\_\_\_ hours

5. When recreating at the Lake Hayward area, how many people on average are in your party? \_\_\_\_\_

6. When traveling to Lake Hayward recreation areas, what percentage of time do you travel by the following:  
 Car/Truck: \_\_\_% Motorcycle: \_\_\_% Bicycle: \_\_\_% Foot: \_\_\_%

7. Select up to five activities below that you usually participate in at the Lake Hayward area.

<input type="checkbox"/> Fishing (Boat)	<input type="checkbox"/> Biking	<input type="checkbox"/> Sports
<input type="checkbox"/> Fishing (Shoreline)	<input type="checkbox"/> Walking/Running	<input type="checkbox"/> Playgrounds
<input type="checkbox"/> Boating	<input type="checkbox"/> Camping	<input type="checkbox"/> Relaxing
<input type="checkbox"/> Jet skiing	<input type="checkbox"/> Picnicking	<input type="checkbox"/> Hunting
<input type="checkbox"/> Water Skiing/Tubing	<input type="checkbox"/> Photography	<input type="checkbox"/> Other (specify) _____
<input type="checkbox"/> Swimming	<input type="checkbox"/> Wildlife Viewing	

8. For the following facilities at Lake Hayward, indicate what percentage of time was spent recreating at each facility from January 2020 through December 2020 (Total should be equal to 100%). Then on a scale from 1 to 5, rate the status of each facility. If you are unfamiliar with the facility, please leave blank. **1 = Facility is not at all adequate. 5 = Facility is totally adequate.** Please provide comments where applicable to the specific facility.

Facility	% Recreation Time	Rating (1-5)	Comment
Hayward Boat Landing Area			
Hayward Beach/Park Area			
Tailrace Area			
Canoe Portage Area			
Other (specify)			
Other (specify)			

9. How do you rate your overall recreation experiences at Lake Hayward on a scale from 1 to 10?  
**Very Poor 1 2 3 4 5 6 7 8 9 10 Very Good**

10. Has or will the COVID-19 pandemic change your 2020 usage of the Lake Hayward recreation areas? YES NO  
 a. If YES, is change in recreational use an \_\_\_\_\_ increase, or a \_\_\_\_\_ decrease?

11. Please note anything you feel would be helpful in understanding the recreational opportunities at Lake Hayward.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Figure 2-1 Lake Hayward Self-Reporting Recreational Use Survey Form**



**Figure 2-2 Example of survey boxes installed at select recreational facilities**

### **3. DESCRIPTIONS OF RECREATIONAL FACILITIES AT LAKE HAYWARD**

Each of the public recreational facilities located on Lake Hayward are described below. Discussions of the use and adequacy of each facility are presented in subsequent sections of this report. Unless otherwise noted by interviewees or survey respondents, the quantity and state of amenities at each facility are assumed to be consistent with the 2013–2014 inventory. Facility locations are depicted in Figure 3-1. Other facilities such as parks, trails, and other recreational areas are present in the general area of Lake Hayward; however, these facilities are not within the study boundary and are not included in this report.

#### **3.1 LAKE HAYWARD BOAT LANDING**

The City of Hayward owns and maintains Lake Hayward Boat Landing, a single launch boat landing on the west end of the lake. It is the only public landing on the lake and consists of a cement launch with a paved approach but no dock. The adjacent gravel parking lot is large enough to accommodate approximately 15 vehicles with trailers. The City does not charge a fee for the use of this launch and no other amenities are present. The landing is in good condition and is adequate for the light to moderate (and sometimes heavy) use it receives. A light pole situated in the parking area provides lighting during the evening hours. The parking lot, which has recently been regraded and leveled, also serves as overflow parking for users of the beach and park area.

#### **3.2 LAKE HAYWARD BEACH AND PARK**

The City of Hayward owns Lake Hayward Beach and Park which is located near the boat landing on the west end of the lake. It features a 100-foot sand beach with a designated swimming area, changing rooms, restroom facilities, playground, picnic areas, and shore fishing opportunities. A paved parking lot is provided that can accommodate 24 vehicles [two parking spaces are designated Americans with Disabilities Act (ADA) accessible spaces]. The area also features an ADA-compliant fishing pier that was constructed in Fall 2013 and is very popular with anglers. The area receives moderate to heavy use in the summer and on weekends, with swimming and fishing being the primary activities. Overall, the facility is in good condition and is adequate for the current usage. There is no fee associated with the use of the park or beach.

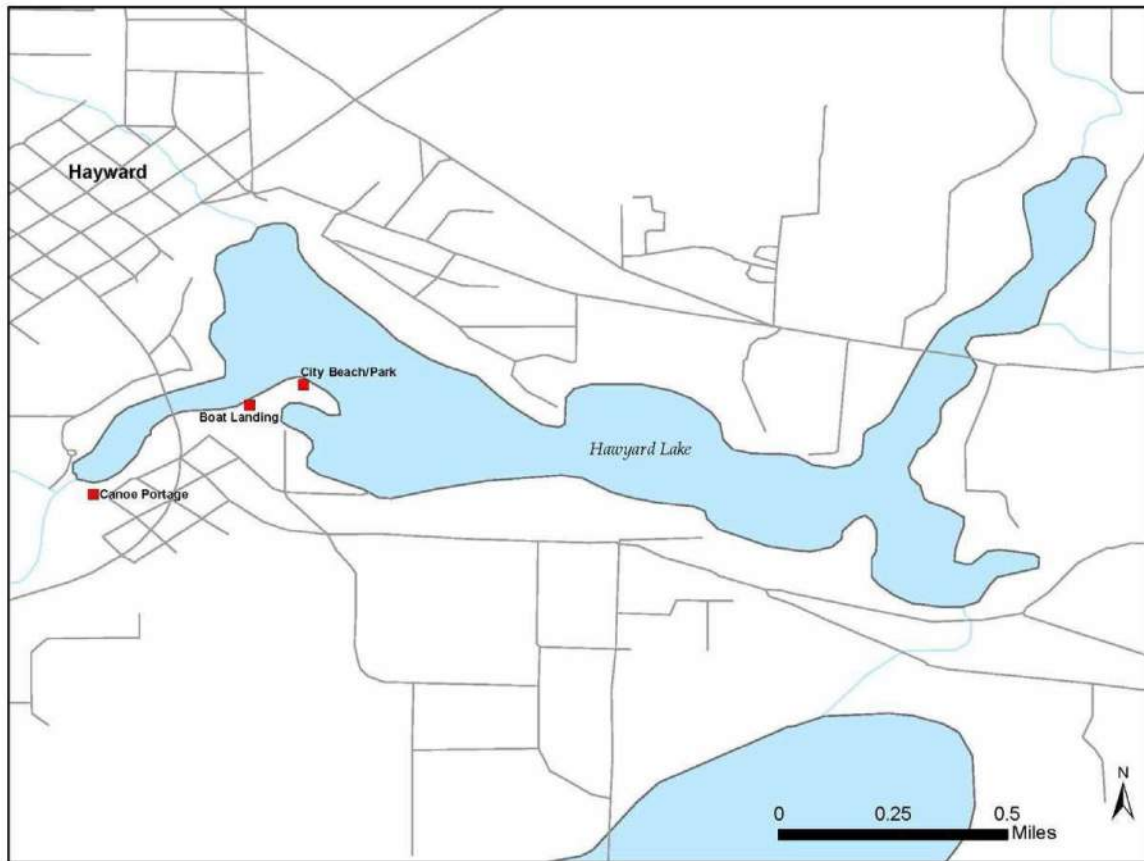
#### **3.3 TAILWATER ACCESS AND CANOE PORTAGE**

Xcel Energy owns and maintains the tailwater access and canoe portage area which includes tailwater fishing access on both sides of the river. The canoe portage take-out was refurbished in 2019 and is located just upstream of the spillway along the east shoreline of Lake Hayward. The canoe portage trail, which features good signage, proceeds from the take-out in a southwesterly direction approximately 600 ft. to the downstream put-in location. The portage enables canoeists who are navigating from an upstream location to a downstream location to safely bypass the Hayward Dam. There are no fees associated with the use of this area. No additional amenities are provided and overall, the area is adequate for the moderate but consistent use it receives.

### **3.4 OTHER ACCESS POINTS**

The City of Hayward owns one unimproved access to the lake on the north-central portion of Lake Hayward. The access is open to the public, but not commonly used as there are no signs that indicate its location.

There is one additional access point to the lake located off of a local road, Chippewa Trail, that is popular with anglers in the winter who want to walk out on to Bartz's Bay to ice fish. This access is an unimproved trail located on private land (essentially between two residential lots). Users park along Chippewa Trail which causes occasional traffic congestion.



**Figure 3-1 Map of Lake Hayward showing location of recreational facilities**

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#### **4. SUMMARIES OF INTERVIEWS WITH KEY PERSONNEL**

This section provides a brief summary of the interviews with owners/operators of recreational facilities and other key personnel that have detailed knowledge of the recreational facilities and opportunities on Lake Hayward.

##### **4.1 CHRIS ROMPORTL – NPS**

Mr. Chris Romportl has been with NPS for 18 years, and he primarily works on the Namekagon River out of Trego, Wisconsin. Since Lake Hayward is not under the responsibility of NPS, Mr. Romportl does not visit the boat landing or beach park as part of his routine activities. While he says his personal observations suggest that there has been increased recreational activity on Lake Hayward, he cannot validate that statement. He confirmed that the American Birkebeiner crosses Lake Hayward in normal years but the past year has been different and he is not sure how it will be handled this year due to COVID-19.

Regarding the Tailwater Access and Canoe Portage, he confirmed there is no fee, that there have been no updates to facilities, and that the area remains lightly used. However, there is an increasing number of outfitters using this access point and he expects that could increase beyond light use in the near future. The signage at the site is faded as of last year and could potentially need replacing.

##### **4.2 MAX WOLTER – WDNR**

Mr. Max Wolter is a fisheries biologist who has been working with the WDNR for 8 years and has a total of 20 years' experience. Over the past 5 years, Mr. Wolter stated that recreation has increased at Lake Hayward especially for canoeing and kayaking. Year-round fishing occurs with more use on the weekends, although there is still plenty of fishing during the weekdays. The months of May and June are peak fishing months at Lake Hayward. Overall, boating has the highest use, followed by fishing and swimming. The American Birkebeiner is still being planned to cross Lake Hayward.

The Hayward Boat Landing and parking lot is a free launch in average condition. There are potholes throughout the parking area. There are plans to construct a dock if a grant from Xcel Energy becomes available. The Hayward Beach and Park is a popular area in the spring and summer and use is moderate to heavy in the summer for swimming. An ADA-accessible fishing area was added to the site in 2014. The Tailwater Access and Canoe Portage is an area owned and maintained by Xcel Energy. Use of the area for fishing and canoe portage is considered to be light, but consistent. The access area owned by the City of Hayward on the north-central portion of Lake Hayward is still there but is not commonly used. The access point off of the Chippewa Trail is still common with anglers in the winter. Parking along the Chippewa Trail can be problematic. Visitors walk out on Bartz's Bay Ice Access to icefish.

### **4.3 RICKY REICHERT – XCEL ENERGY**

Mr. Ricky Reichert is a hydroelectric operator for Xcel Energy and is responsible for maintaining its recreational facilities. Overall, Mr. Reichert feels that use of Lake Hayward has been consistent with previous years. Recreational fishing, boating, and canoeing/kayaking are the most popular activities. Weekends and evenings are the busiest times for recreation at Lake Hayward. The canoe portage receives moderate, but consistent use. The canoe take-out was refurbished in 2019 to include steps, which now makes it easier for canoers and kayakers to exit the lake.

The City of Hayward boat landing and parking lot are free for users. The light pole on the parking lot provides sufficient lighting in the evening. The overall condition of the landing and parking lot is good and the area receives light to moderate use. The Hayward Beach and Park is free to users and receives moderate to heavy use on the weekends. Fishing in this area is popular.

### **4.4 JOHN MCCUE – CITY OF HAYWARD PUBLIC WORKS**

Mr. John McCue has been the Director of Public Works for the City of Hayward for 16 years. He oversees the water, sewer, parks, and streets. He stated that the overall use of Lake Hayward has slightly increased or has stayed the same. Since COVID-19, fishing has become more popular. Swimming, water skiing, and jet skiing are also popular. The American Birkebeiner was held this year, but it will not be held next year.

WDNR installed a fishing pier in 2013 at the Hayward Beach and Park. The facility is accessible by driving from the beach or from a walkable pier/bridge that was rebuilt with wood. The pier is a floating structure made of plastic and aluminum, is ADA compliant, and in excellent condition. Fishing, including ice fishing, is popular in this area. There is heavier use during the summer between Memorial Day and Labor Day.

There is a need for a boat dock at the Hayward Boat Landing, as visitors who are alone need to beach their boat after launching in order to park their vehicle. WDNR has applied for a grant to install a dock. The parking lot has been regraded and leveled. There is one overhead streetlight that provides sufficient lighting in the evening. The landing receives moderate use.

### **4.5 AARON KOSHATKA – WDNR**

Mr. Aaron Koshatka has been a Conservation Warden with WDNR since 2018. He has worked at Lake Hayward since January 2019. Mr. Koshatka stated that overall, there has been an increase in fishing, pontoon boating, and paddle boarding on the lake. The lake is least used for ice fishing. The American Birkebeiner crossed Lake Hayward this year, however, it may not in 2021 due to impacts from COVID-19. In general, recreational use becomes busy the last few weeks of April and continues through the summer. Weekends and holidays receive the heaviest use, however; this year's use was heavy nearly every day that had good weather.

The Hayward Boat Landing is in good condition and receives moderate to occasional heavy use. The Hayward Beach and Park also receives moderate to heavy use and is a very popular fishing area. The foot access to Bartz's Bay is also popular with anglers seeking to ice fish this area of the lake.

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## 5. RECREATIONAL USE ESTIMATES

For the 2013–2014 Recreation Study, daytime recreational use estimates were extrapolated from multiple sources including a WDNR creel survey, trail counter, and event registration. Use estimates are in “recreation days” which is defined as each visit by a person to a development (e.g., facility) for recreational purposes during any portion of a 24-hour period. These methods do not account for recreational use on the lake that is not associated with a monitored facility or controlled site (i.e., residents or users of other unmonitored areas); therefore, recreational use extrapolations do not refer to the total use occurring on the lake itself, just at the monitored facilities. Use estimates for Lake Hayward were generated for daytime use only, due to the lack of any overnight use facilities (campgrounds, hotels, etc.).

In 2020, fieldwork did not involve replicating the data collection methods used in 2013 and 2014. Instead, in order to report daytime use values across Lake Hayward facilities, months and days of the week estimates were extrapolated from the data reported in the 2013–2014 Recreation Study. The use values were based on local population change estimates from the U.S. Census Bureau (see Methods in Section 2).

Total annual daytime use for the study period was estimated at 20,441 recreation days, representing an increase of 85 recreation days above the value reported for 2013–2014 (Table 5-1). Facility use is estimated to range from 279 recreation days at the Bartz’s Bay Ice Access (up by 1 since 2013–2014), to 8,615 recreation days at Hayward Beach/Park (an increase of 36 days since 2013–2014). Monthly use across all facilities is estimated to range from 0 recreation days in April (unchanged since 2013–2014) to 7,892 recreation days in February (an increase of 33 days since 2013–2014) (Table 5-1).

During the summer months, the average number of recreation days (i.e., visitors) was estimated at 68 per weekday, 94 per day on weekends, and 135 per day on peak weekends (Table 5-2). These estimates represent a slight increase in recreation days only on peak weekends. Highest day-use on weekdays was in summer (i.e., June) while weekend use was highest in winter (i.e., February) and peak use varied throughout summer (Figure 5-1). During the winter months, the average number of recreation days (i.e., visitors) was estimated at 29 per weekday, 120 per day on weekends, and 135 per day on peak weekends (Table 5-2). These estimates represent a slight increase in recreation days only on weekends and peak weekends.

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**Table 5-1 Estimated count for daytime recreational use (in recreation days), Lake Hayward (January–December 2020)**

Month	Hayward Boat Landing Area	Hayward Beach/Park Area	ADA Fishing Pier and Adjacent Shore	Bartz' s Bay Ice Access	Tailrace Area	Canoe Portage Area	Cross Country Ski Races	Total by Month
January	0	7	0	74	0	0	0	81
February	0	12	0	30	0	0	7,850	7,892
March	0	7	0	72	0	0	0	79
April	0	0	0	0	0	0	0	0
May	182	508	308	0	189	70	0	1,257
June	175	3,883	386	0	253	59	0	4,756
July	295	2,202	341	0	221	24	0	3,084
August	175	1,577	285	0	156	108	0	2,301
September	113	263	86	0	92	30	0	585
October	42	121	27	0	58	20	0	268
November	0	13	0	0	0	0	0	13
December	0	22	0	102	0	0	0	125
Total by Facility	982	8,615	1,434	279	969	312	7,850	20,441

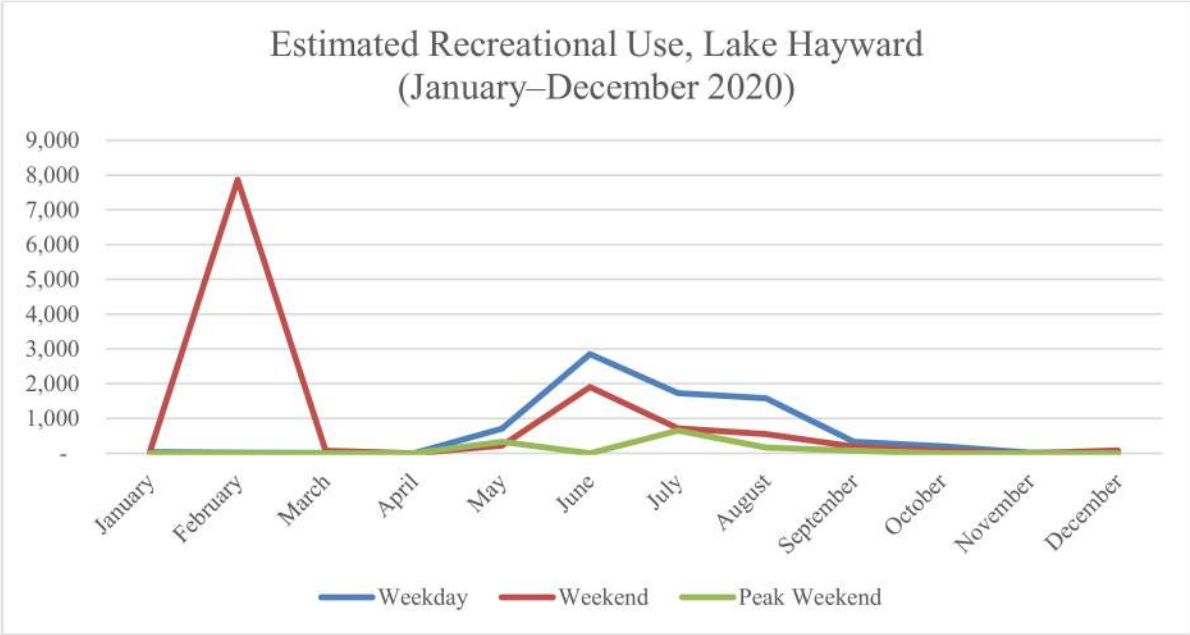
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**Table 5-2 Estimated recreation days by type of day, Lake Hayward  
(January–December 2020)**

	<b>Weekdays</b>	<b>Weekends</b>	<b>Peak Weekends</b>
<b>Summer Months</b>			
May	706	220	331
June	2,857	1,899	-
July	1,724	710	651
August	1,581	553	166
September	329	190	66
<i>TOTAL</i>	<i>7,197</i>	<i>3,572</i>	<i>1,214</i>
<i># of Days</i>	<i>106</i>	<i>38</i>	<i>9</i>
<i>Average per Day</i>	<i>68</i>	<i>94</i>	<i>135</i>
<b>Winter Months</b>			
January	33	48	-
February	18	7,874	-
March	6	73	-
April	0	0	-
October	195	73	-
November	12	1	-
December	45	79	-
<i>TOTAL</i>	<i>309</i>	<i>8,149</i>	<i>-</i>
<i># of Days</i>	<i>153</i>	<i>60</i>	<i>-</i>
<i>Average per Day</i>	<i>2</i>	<i>136</i>	<i>N/A</i>
<b>Year</b>			
<i>TOTAL</i>	<i>7,506</i>	<i>11,721</i>	<i>1,214</i>
<i># of Days</i>	<i>259</i>	<i>98</i>	<i>9</i>
<i>Average per Day</i>	<i>29</i>	<i>120</i>	<i>135</i>

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**Figure 5-1 Recreational use estimates in recreation days, Lake Hayward (January–December 2020)**

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## 6. RESULTS OF SELF-REPORTING SURVEYS

Only one survey was submitted and collected during the course of the study. The submitted survey was completed in its entirety. Survey boxes were located in three places throughout the Lake Hayward area: Hayward Boat Landing, Hayward Beach, and Hayward Canoe Portage.

### 6.1 POPULAR ACTIVITIES

The survey asked respondents to list up to five activities they usually participate in at Lake Hayward. The lone respondent indicated that shoreline fishing, swimming, picnicking, playgrounds, and relaxing are his/her top activities at Lake Hayward.

### 6.2 VISITOR SATISFACTION

Overall, the sole respondent was satisfied with the recreational facilities at Lake Hayward, which the survey form listed as:

- Hayward Boat Landing Area
- Hayward Beach/Park Area
- Tailrace Area
- Canoe Portage Area.

The sole respondent rated two facilities and Lake Hayward as a whole (Table 6-1).

**Table 6-1 Ratings of recreational facilities (on a scale of 1 to 5) and overall recreational experiences (on a scale of 1 to 10), Lake Hayward (January–December 2020) (n = 1)**

	Hayward Boat Landing Area	Hayward Beach/Park Area	Tailrace Area	Canoe Portage Area	OVERALL RECREATIONAL EXPERIENCES
Respondent Rating	4	5	n/a	n/a	9

The sole survey respondent provided a comment regarding the facilities at Hayward Beach (Table 6-2).

**Table 6-2 General visitor comments, Lake Hayward (January–December 2020)**

Comment	Topic	Topic 2
The wood chips at the playground area at Hayward Beach are very dangerous. They cut the kids' feet. Please, please change it!!	Facility	Safety

### 6.3 REPORTED RECREATIONAL USE

Respondents were asked to provide information on how they usually travel to Lake Hayward. Of the listed options, the sole respondent reported arriving 100 percent of the time by car/truck.

The sole respondent indicated what proportion of his/her time at Lake Hayward was spent at any of the four listed recreational facilities (Table 6-3).

**Table 6-3 Percent of recreation time (0- 100%) spent at facilities, Lake Hayward (January–December 2020) (n = 1)**

	Hayward Boat Landing Area	Hayward Beach/Park Area	Tailrace Area	Canoe Portage Area
Percent of total time	95%	5%	0%	0%

Respondents were asked to provide estimates of their time spent throughout 2020 at Lake Hayward in general, broken down by month, day vs. night, weekdays vs. weekend days and holidays, and time of day.

The sole respondent provided the number of days and nights spent at Lake Hayward each month (Table 6-4). In general, daytime use is more popular than nighttime use, and the sole respondent spends more days per month at Lake Hayward in the summer (May through September) than in the winter (January through April, and October through December). Throughout the year, the sole respondent reports visiting Lake Hayward a total of 195 days and 95 nights.

**Table 6-4 Average number of days and nights spent recreating, Lake Hayward (January–December 2020) (n = 1)**

	Days	Nights
<b>Summer Months</b>		
May	20	10
June	20	10
July	20	10
August	20	10
September	20	10
<i>Summer Monthly Average</i>	<i>20</i>	<i>10</i>
<b>Winter Months</b>		
January	10	5
February	10	5
March	15	5
April	20	10
October	20	10
November	10	5
December	10	5
<i>Winter Monthly Average</i>	<i>13.6</i>	<i>6.4</i>
<b>Year</b>		
<i>2020 Annual Total</i>	<i>195</i>	<i>95</i>

The sole respondent reported spending 75 percent of his/her time at Lake Hayward during weekdays, and 25 percent during weekends or holidays.

Respondents were asked to report the number of hours typically spent at Lake Hayward during listed time periods. The sole respondent recorded hours between 10 AM and 10 PM (Table 6-5).

**Table 6-5 Average number of hours spent at Lake Hayward during listed time periods (January–December 2020) (n = 1)**

	6 AM to 10 AM	10 AM to 2 PM	2 PM to 6 PM	6 PM to 10 PM	10 PM to 6 AM
Hours Reported	0	4	3	1	0

Survey respondents were asked to provide estimates of the average length of stay while recreating at Lake Hayward, as well as estimates of average party size. The sole respondent reported spending 4 hours at Lake Hayward with an average party size of 5 people.

Finally, the survey form asked respondents whether the COVID-19 pandemic changed their 2020 usage of the Lake Hayward recreational areas. The sole respondent indicated that the pandemic has increased his/her usage.

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## 7. DISCUSSION OF ADEQUACY OF CURRENT FACILITIES

Overall, the Lake Hayward area offers a sufficient amount of recreational opportunities for both land and water-based activities. The recreational facilities, while limited in number, are in good condition and receive regular maintenance and upgrades when required. The number and size/capacity of the facilities appear sufficient to accommodate the current amount of use on all but the busiest of days.

Recreational use at a minimum has remained consistent and apparently increased gradually over the past 5 years. Estimated total recreational use throughout 2020 is 20,441 recreation days (Table 5-1); however, this count, which is based on population growth, may underestimate the acute visitor pressure exerted on Lake Hayward facilities during the COVID-19 pandemic. One person interviewed remarked that Lake Hayward received high recreational use nearly every fair-weather day in 2020.

Based on survey responses and personnel interviews, recreational facilities at Lake Hayward may be considered adequate for meeting the recreational demand of the community. When rating recreational experience at Lake Hayward in general, the sole survey respondent in 2020 gave a positive rating of 9 out of 10 (Table 6-2). Personnel interviewed commented on the average-to-excellent condition of the amenities at Lake Hayward's recreational facilities. New and updated amenities include a new dock at Hayward Beach and Park and the refurbished take-out at the Canoe Portage. Lighting at the Hayward Boat Landing and parking lot is considered sufficient. Recreational use of the Canoe Portage area remains moderate; however, an increase in use by outfitters has been observed.

Recreational use at Lake Hayward is most concentrated in the evening hours and on weekends. The average number of visitors per day in 2020 was estimated to be 29 on weekdays, 120 on weekends, and 135 on peak weekends (Table 5-2). Personnel associated with Lake Hayward recreational facilities indicated that Hayward Beach and Park and the Hayward Boat Landing remain popular facilities. All facilities at Lake Hayward provide opportunities for recreation that are well suited to social distancing. Personnel observed that fishing, pontoon boating, paddle boarding, canoeing, and kayaking have increased in recent years and/or in 2020. Swimming, water skiing, and jet skiing are likewise popular activities. Fishing occurs year-round; however, this activity is more popular in May and June than in the winter.

While the recreational facilities at Lake Hayward are generally considered adequate, there are possible areas for improvement. The sole survey respondent criticized the quality and safety of the playground area at Hayward Beach. The Hayward Boat Landing may benefit from a boat dock to facilitate use by individual boaters. Finally, the Tailwater Access and Canoe Portage areas could use new signs.

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## 8. RECOMMENDATIONS FOR FUTURE USE

Based on the results of this Recreation Study, including the evaluation of existing facilities and discussions with key personnel associated with Lake Hayward, the following actions are recommended. Please note that these recommendations are solely the opinion of the author(s) and do not necessarily reflect those of Xcel Energy, the applicable resource agencies, or any of the organizations/persons referenced in this report.

### City of Hayward

- Consider adding a dock to the Hayward Boat Landing to make loading and unloading boats easier.
- Consider adding signage at Hayward Beach and Park recommending safe practices for use of the playground.
- Evaluate the condition of parking lots, especially regarding potholes, and consider enhanced maintenance.
- Consider adding signage that indicates the location of the north-central lake access point.
- Evaluate the traffic congestion caused by lake users parking on Chippewa Trail and consider providing designated parking areas.

### Xcel Energy

- Evaluate the condition of signage at the Tailwater Access and Canoe Portage areas and consider replacing.

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## 9. REFERENCES

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## **Appendix A**

### **Agency Correspondence (pending)**

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**APPENDIX E-27**

**Sawyer County Plan for Outdoor Recreation**

**A PLAN FOR OUTDOOR RECREATION**

**SAWYER COUNTY, WISCONSIN**

**2021-2025**

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# Introduction

The primary purpose of this recreation plan is to provide continued direction toward meeting the current and future recreation needs of Sawyer County. This is accomplished by investigating Sawyer County's existing outdoor recreational resources, studying population trends, anticipating future demands, and developing guidelines and recommendations for public outdoor recreation facilities. These comments and suggestions are intended as guides for the County and its municipalities.

## Objectives

- Meet existing as well as the foreseeable future recreational needs of Sawyer County residents and visitors.
- Maintain quality recreation areas while protecting Sawyer County's natural and scenic resources.
- Provide and improve the aesthetic and environmental values of the county's resources through acquisition, easements, zoning and other legislation, and to provide educational programs.
- Identify and preserve sites having scientific, historic, architectural or archeological significance.
- Consider this plan a program for development of year-round recreational facilities which will provide opportunities for all citizens and visitors.
- Encourage the efforts of municipalities to provide "community" recreation facilities such as ball fields, playgrounds, tennis courts etc.
- Encourage private development of quality recreational areas.
- Provide recreational opportunities for people with disabilities whenever feasible and environmentally possible.
- Develop coordinated countywide recreational trail systems.

# Background

## Population

Sawyer County, the 5<sup>th</sup> largest county in land area in the state, had a 2010 population of 16,557 according to census data, which is approximately 0.3 percent of the total state population. Overall, Sawyer County population trends do not reflect recreational activity in the county as overnight visitors and second homeowners account for a substantial recreation use. Based on 2010 census data, 50.6 % of homes within the county are second homes designated as seasonal or for recreational use.

### Population Trends in Sawyer County (1980-2010)

Municipality	1980 CENSUS	1990 CENSUS	2000 CENSUS	2010 CENSUS	CHANGE 1980-2010	PERCENT CHANGE
Town of Bass Lake	1,288	1,717	2,244	2,483	1,195	48%
Town of Couderay	394	386	469	479	85	18%
Town of Draper	242	208	171	208	-34	-16%
Town of Edgewater	441	509	586	640	199	31%
Town of Hayward	2,331	3,017	3,279	3,601	1,270	35%
Town of Hunter	594	557	765	841	247	29%
Town of Lenroot	926	966	1,165	1,349	423	31%
Town of Meadowbrook	202	192	146	155	-47	-30%
Town of Meteor	105	111	170	183	78	43%
Town of Ojibwa	264	250	267	327	63	19%
Town of Radisson	394	412	465	480	86	18%
Town of Round Lake	786	727	962	1,115	329	30%
Town of Sand Lake	768	821	774	885	117	13%
Town of Spider Lake	331	362	391	419	88	21%
Town of Weirgor	386	356	370	424	38	9%
Town of Winter	704	801	969	1,135	431	38%
Village of Couderay	114	92	96	94	-20	-21%
Village of Exeland	219	180	212	206	-13	-6%
Village of Radisson	280	237	222	218	-62	-28%
Village of Winter	376	383	344	353	-23	-7%
City of Hayward	1,698	1,897	2,129	2,340	642	27%

## Landscape Characteristics

Sawyer County is geographically located in the northwest corner of the state in what could be defined as the “Northwoods” region of Wisconsin. The County lies primarily within the North Central Forest physiographic region of Wisconsin. The topography of the county has glacial origin, glaciers eroded hilltops and filled valleys, thus reducing relief resulting in a topography best described as an undulating plain dissected by many lakes, rivers, and streams. The northeastern corner of the County is quite hilly and the southwestern corner contains many high quartzite ridges. The highest elevation (1800 feet) occurs at Meteor Hill with the “Blue Hills” region of southern Sawyer County. The terrain in the southeastern portion of the County is generally considered flat.

## Climate

The climate of Sawyer County is classified as continental with an average annual temperature of 42.5 degrees Fahrenheit according to the Hayward Ranger Station weather station. The winters are long, cold and snowy, while summers are relatively short and warm with only brief periods of hot, humid weather. Springs and falls are often short and mixtures of both summer and winter. Mean temperatures drop below freezing in mid-November and freeze up of lakes follows soon after. The average annual precipitation in Hayward is 31.67 inches, snowfall averages between 60 and 70 inches per year. The growing season averages about 120 days with the date of the last killing frost ranging from mid-May to mid-June.

## Land-use

Sawyer County encompasses 863,859 acres with the greatest percentage of the county being rural and semi-wilderness in nature. Over 38% of Sawyer County’s land base is under some form of public ownership or management. Public lands are prevalent across much of the northern and eastern areas of the county. Sawyer County has 115,197 acres in county forest lands.

The federal government owns and manages 126,728 acres of land in Sawyer County. The largest federal holding is the Chequamegon-Nicolet National Forest (CNNF). There are currently 123,805 acres of National Forest System lands within Sawyer County. The National Park Service (NPS) also owns and manages 2,922 acres of land within the Saint Croix National Scenic Riverway.

The State of Wisconsin owns and manages 81,719 acres of land within Sawyer County, the largest contiguous state holding is the Flambeau River State Forest which manages 64,707 acres. Approximately 14,000 acres of state-owned lands are adjacent to the Chippewa Flowage, the largest wilderness lake in Wisconsin. Numerous state-owned islands are located within the flowage, the remaining approximately 3,000 acres of state land is comprised of state wildlife and fishery areas and recreational trails.

Nearly two-thirds of the landscape of Sawyer County is covered by forestlands while open water and wetlands cover nearly one-third, less than six percent of the landscape is considered cropland or developed areas.

## Soils

The soils of Sawyer County are primarily upland and outwash from glacial drift, generally acidic in nature. The sandy soils occur along the Namekagon River, Lac Courte Oreilles, Round and Grindstone Lakes region. More organic soils, including silt loams and peats are found in much of the eastern half of the County.

# Supply of Existing Recreation Resources

## Introduction

In 2020, all of the major recreational facilities and resources in Sawyer County were inventoried to determine the types and numbers of recreational areas and facilities available for public use. From this inventory, it was determined that Sawyer County has an extensive base of recreational resources and facilities.

## WATER BASED ACTIVITIES

### Fishery Resources

Many of the surface waters in Sawyer County provide excellent fishing opportunities. Of the 550 named and unnamed lakes in the county, 220 lakes with an area of 53,716 acres have game and panfish populations. The remaining 330 lakes with an area of 3,127 acres have no fish or only minnow populations. The lakes are further classified in Table 2 by the number of lakes and their total acreage where each game and panfish species occur.

There are also nearly 690 miles of perennial streams and rivers in the county, including 265 miles of trout stream which are also important to the county's fishery resources.

Table 2. Lake Fishery Resources in Sawyer County		
Fish Species	Occurrence (number of lakes)	Acres
Muskellunge	67	42,093
Walleye	82	49,568
Northern Pike	76	43,365
Largemouth Bass	170	52,560
Smallmouth Bass	53	44,693
Panfish	194	53,619
Trout Lakes and Springs	37	1,527
Minnow only, or none	330	3,127

### Boating

There are 15 natural lakes and impoundments of over 500 acres in size that offer a total of 40,235 acres of surface water. There are an additional 20 lakes between 200 and 500 acres providing another 6,075 acres of surface water to the boater. Altogether these 35 lakes account for 81 percent of all the surface water (46,310 acres) in the county. The largest of these lakes are the Chippewa Flowage, Lac Courte Oreilles, Round, Grindstone, Nelson, Chetac, Moose, Lost Land, Spider, Teal, Sand, Tiger Cat, Sissabagama, Whitefish, and Windigo. Boating



is available on a number of the other named lakes and flowages throughout the county, depending on access and some lakes may have local restrictions on speeds and water skiing.

Of the 35 lakes over 200 acres, thirty have one or more public access points.

Canoeing-Kayaking-Paddle Sports

Sawyer County contains a large number of paddling rivers, many of them are often categorized as the best in the Midwest. Fourteen different rivers lend themselves to a variety of paddling experiences with a total mileage of approximately 268 miles. Rivers and mileage are shown in table 3. Access is good and varies from developed landing sites to more rustic bridge put-ins. The numerous area lakes and flowages also offers paddling opportunities.

<b>Table 3. Canoeing/Kayaking Rivers in Sawyer County</b>	
<b>River Name</b>	<b>Length (miles)</b>
Brunet River	40
Chief River	6.1
Chippewa River	27.1
Couderay River	16.3
East Fork Chippewa River	17
Moose River	10.1
Namekagon River	26.7
North Fork Flambeau River	32.8
South Fork Flambeau River	7.7
Teal River	4.1
Thornapple River	39.3
Torch River	3
Totogatic River	11.2
West Fork Chippewa River	27.4
<b>Total Miles</b>	<b>268.8</b>

Swimming Areas

Sawyer County has many lakes which provide excellent sand beaches for swimming. Both developed and undeveloped sites located in the county. Table 4 lists the developed swimming areas and location. Other lakes may also have boat access, privately owned beaches, or road rights-of-way where public swimming may be permitted.

Table 4. Developed Swimming Areas in Sawyer County		
Name	Ownership	Location
Round Lake Peninsula Beach	Town of Hayward	Northwest
Smith Lake	Town of Lenroot	Northwest
Silverthorn Lake	Town of Lenroot	Northwest
Hayward Beach	City of Hayward	Northwest
Connors Lake	Flambeau River State Forest	Southeast
Black Lake	Chequamegon-Nicolet National Forest	Northeast
Moose Lake	Chequamegon-Nicolet National Forest	Northeast

## **LAND BASED ACTIVITIES**

### **Camping**

Camping on the county forest is permitted in many areas, in general, most of the forest is open to camping with a tent, trailer, truck camper or other camping shelter for a period not to exceed ten days. A camping permit is required for a per night fee. A large percentage of campers on the county forest are hunters during the gun hunting deer season. At this time, there are no designated campgrounds on Sawyer County Forest Lands.

The Flambeau River State Forest offers two family campgrounds, primitive canoe sites along the Flambeau River and an ADA accessible yurt. The Lake of the Pines Campground has a total of 30 sites, all non-electric and there are no ADA designated sites. Connors Lake Campground has 29 sites with two ADA designated sites, 4 sites have electric service. There are also 12 primitive canoe campsites along the Flambeau River within Sawyer County. Each landing provides room for one to three individual campsites and includes a picnic table, fire ring and pit toilet.

The Chippewa Flowage contains 18 primitive island campsites. Each public campsite is marked with a sign and has a fire ring, picnic table and open-air box latrines. All campsites are accessible by water only. Of the 18 total campsites on the flowage, 11 are on WDNR owned islands, one is on an island under Chequamegon-Nicolet National Forest ownership and the remaining 6 are on Lac Courte Oreilles Tribal ownership and are managed by the Lac Courte Oreilles Conservation Department.

The St. Croix National Scenic Riverway provides 11 different primitive shoreline campsites along the Namekagon River.

The Chequamegon-Nicolet National Forest offers camping facilities at two campground recreation areas. Black Lake Recreation Area provides 29 sites on Black Lake. All campsites provide a hardened parking area, picnic table, and fire ring. Some sites can accommodate a 45-foot trailer. Moose Lake Recreation Area offers 15 campsites, 3 of which are tent only, the rest

can accommodate RV's from 25-45 feet. Each site is equipped with a parking spur, picnic table and campfire rings.

Several Towns in Sawyer County also offer campground facilities. The Town of Ojibwa provides camping at Ojibwa Park. The park has 16 camper sites and 3 tent sites. The park is bordered by the Chippewa River and the Tuscobia State Trail. An RV dump station, drinking water, and pit toilets are available. The Town of Draper has a tent and RV campground located off the Tuscobia Trail. The sites are level and graveled, have fire rings and picnic tables. Electric service is available for each site. The Town of Radisson provides camping along the Couderay River.

Other private campgrounds are distributed throughout the county with a variety of camping amenities and densities, there is a growing demand in recent years for seasonal campsite rentals with many sites in private campgrounds being occupied by the same campers all season long.

#### Picnic Areas-Day Use Parks

Sawyer County has many picnic and day use area parks distributed throughout the county, county, state, federal, township and villages all provide day use areas with multiple amenities and facilities available.

#### Nature Study and Hiking Trails

There are many suitable areas for nature study and hiking within the county. Among the designated trails are:

- Uhrenholdt Memorial Forest, 1.8 miles of trail through WDNR forest management demonstration area.
- Ojibwa Park Trails, 1-mile Turkey Feather Nature Trail. Also, a 1.5-mile skiing/hiking trail.
- Town of Hayward County Hill Recreational Forest Trails
- Sawyer County Forest Green Lake/Little Sissabagama non-motorized trail, 2.5 miles.
- Mino-giizhigad Trail, WDNR trail located east of the CC North Boat Landing.
- Moss Creek-Hay Creek skiing/hiking trails on WDNR land on the north side of the Chippewa Flowage, 2.0 miles.
- Hatchery Creek Park Nature Trail
- Lynch Creek State Wildlife Area, ¼ mile interpretive nature trail.

#### Bicycling- Mountain Biking

Sawyer County offers a wide variety of biking opportunities. From paved county and town roads, paved bike paths, to excellent trail riding mountain biking.

There are no marked or signed bike routes for road touring within Sawyer County, there are, however, many paved county and town roads that offer excellent low traffic routes. A map for Sawyer County designating road and highways as routes for bicycle travel is available from the Wisconsin Department of Transportation at <https://wisconsindot.gov/Pages/travel/bike/bike-maps/county.aspx>

The City of Hayward provides a 6.6-mile paved bike path and connecting road routes. The path is slightly sloped, is separated from traffic and has safety signals at road crossings. A map can be viewed at <https://cityofhaywardwi.gov/wp-content/uploads/bike-trail.jpg>

There are great trail and off-road biking opportunities in Sawyer County on public lands. The Sawyer County Forest, Chequamegon-Nicolet National Forest, and Hayward Area Memorial Hospital provide miles of trails, including winter fat biking opportunities. The trail system was developed, built, marked, mapped and maintained by the Chequamegon Area mountain Bike Association (CAMBA). It provides a diverse, beginner to expert variety of mountain biking trails and includes approximately 41.5 miles of singletrack trails, 46-miles of winter Fat Bike trails, over 220 miles of gravel road and two-track road routes throughout Sawyer County.

Additionally, built in 2016 the Hatchery Creek Bike Park located at Sawyer County Forest Hatchery Creek Park is a popular facility among CAMBA's trail and riding experiences. The bike park includes a pump track, singletrack climbing trail and two descending lines: a jump line and a flow line. The bike park also includes a skills area designed to accommodate beginner, intermediate and more advanced riders. Features include: rock gardens, skinnies, drops, benchcut singletrack, teeter-totters, log lifts/ride-overs, and ladder bridges. Maps can be viewed for Sawyer County mountain bike and fat bike opportunities at the CAMBA website: <https://cambatrails.org/trails/>

### ATV/UTV Trails

ATV/UTV (All terrain vehicle/ Utility terrain vehicle) is a popular activity that continues to grow throughout the county. Trail systems are provided for on the Sawyer County Forest, Chequamegon-Nicolet National Forest (CNNF), Flambeau River State Forest (FRSF), Tuscobia State Trail, and some private landowners within Sawyer County. Sawyer County currently manages 150.4 miles of summer use state funded trails which includes the Tuscobia State Trail and trails on the CNNF in cooperation with the Sawyer County Snowmobile and ATV Alliance which is the primary contract holder for all maintenance and grooming. There are approximately 25-miles of additional trail available on the FRSF as well as on the Lac Courte Oreilles Tribal Lands. There is also 149.8 miles of winter use ATV trails available in the county.

In 2012, the State of Wisconsin established a permanent program for UTV's, also known as side-by-sides, are allowed on all ATV trails managed by Sawyer County. These vehicles have been increasing in popularity every year.

## Snowmobile Trails

Sawyer County has one of the best snowmobile trail networks in the Midwest. The trail system has over 600 miles of groomed trails which includes 383.2 miles of state funded trails under the management of Sawyer County. This system is part of the statewide network of snowmobile trails which links Sawyer County with adjoining counties as well as the rest of the state. The County has a single contract with the Sawyer County Snowmobile and ATV Alliance to maintain the state-funded trails. The Alliance is very dedicated to keeping the trails in good condition.

The Sawyer County Snowmobile and ATV Alliance is a non-profit corporation made up of 11 snowmobile and ATV clubs within Sawyer County. The purpose of the Alliance is to help create and maintain some of the best ATV/Snowmobile trails around.

A link to the snowmobile and ATV trails within Sawyer County can be found at:

<https://sawyercountyalliance.com/sawyer-county-snowmobile-atv-trail-maps/>

## Cross-Country Skiing

There are extensive cross-country ski trails and associated facilities throughout Sawyer County. The American Birkebeiner Ski Trail includes trails from the north county line of Sawyer County to Highway 77 just outside of Hayward, which covers 32.5 miles of the original trail as well as the more recent addition of the classical trail which runs from the county line to the double OO trailhead facility. Facilities and trailheads associated with the birkie trail include Fish Hatchery Park- with parking, drinking water, pit toilet, warming building. Mosquito Brook – with parking, warming building, drinking water. Double “OO” Trailhead Building – with parking, indoor bathrooms and gathering area, and drinking water. Boedecker Trailhead – with warming building, parking, and drinking water. Firetower – Warming building, limited parking, drinking water.

Several loop trails are available at Hatchery Creek Park, Hayward Area Memorial Hospital Trails, Mukwonago Ski trail on CNNF, Seeley Hills Ski trail on Sawyer County Forest, Town of Hayward Recreational Forest Trail, Flambeau Hills Ski Trail on FRSF and the Turkey Feather Ski Trail in Ojibwa Park.

Lighted ski trails are also located at the “OO” trail facility on the Birkie Trail and at the Hatchery Creek Park.

## Snowshoeing

Anywhere hiking is permitted in the county snowshoeing is also possible. The CAMBA single track trails at Hatchery Creek Park are a designated snowshoe trail. Mosquito Brook and “OO” trailheads also have designated and marked snowshoe trails. The Hayward Hospital trails as well as the Town of Hayward Recreational Forest Trail also provide trail opportunities.

## Hunting

There are approximately 330,000 acres of publicly owned lands open for hunting in Sawyer County. There are 115,197 acres of county land, 81,719 acres of state land, and 126,728 acres of federal land. A map of public lands in Sawyer County is included in this plan. In addition to public lands, hunting is also permitted by law on over 86,000 acres of private forest under the State's forestry tax programs.

## State Natural Areas Within Sawyer County

State natural areas (SNA's) protect outstanding examples of Wisconsin's native landscape of natural communities, significant geological formations and archeological sites. Sawyer County has 16 valuable state natural areas for research and educational use, the preservation of genetic and biological diversity and for providing benchmarks for determining the impact of use on managed lands. They also provide some of the last refuges for rare plants and animals. Sawyer County has the following SNA's

- Bass lake Peatlands
- Flambeau River Hardwood Forest
- Ghost Lake
- Hanson Lake Wetlands
- Kissick Alkaline Bog Lake
- Lake Helene
- Lake of the Pines Conifer – Hardwoods
- Moose River Cedar Hills
- No-Name Lake
- Oxbo Pines
- Snoose Creek
- Spring Brook Drumlins
- Swamp Lake
- Thornapple Hemlocks
- Upper Brunet River
- Wilson Lake

More information can be found at <https://dnr.wi.gov/topic/Lands/naturalareas/index.asp>

# Recommendations

## Introduction

Previous sections of this plan have dealt with supplies, trends, and demands of recreational facilities of Sawyer County. This final section will analyze existing facilities and makes recommendations for possible improvements.

The plan is divided into two sections, the first discusses the projected needs by activity and makes general recommendations that may be implemented by a variety of governmental units. Existing parks, trails, and recreation facilities are listed in the next section, with more specific recommendations where applicable.

## Recreational Needs by Activity

### Water Based Activities

#### Fishing

Sawyer County's abundance of lakes, rivers and streams assures of an adequate fishery resource for many years to come. Improvements that could be considered are additional development of public access sites.

On the larger lakes, increased parking could be developed. Boat ramps could be improved to hard-surfaced concrete planks or cement pads. Handicap accessible docks should also be incorporated. Small lake public access sites should be designed to discourage deep draft boats and large motors. Walk-in access for small, lightweight hand-carried crafts should be provided on smaller bodies of water where possible.

#### Boating

According to the 2019-2023 Wisconsin Statewide Comprehensive Outdoor Recreation Plan (SCORP), motorboating remains a high recreational demand in the northwest region of the state. In order to continue to accommodate a large number of boaters in the county, additional public boat launches may need to be developed, and existing launches and facilities improved.

#### Canoeing/Kayaking

Rivers and streams suitable for canoeing and kayaking are abundant in Sawyer County. Increased public access points and maintaining the existing access should be adequate to meet projected demands.

#### Swimming

Sawyer County has several beaches throughout the county, but many areas of the county need well-developed public swimming areas.

### **Land Based Activities**

#### **Camping**

Sawyer County has a number of private campgrounds as well as public campgrounds available on state and federal lands. Primitive camping is available throughout the county forest. Much of the increased demand for camping is provided for through private campgrounds.

#### **Picnic – Day Use Areas**

There hasn't been a demand for additional picnic facilities in Sawyer County. Picnic facilities will generally be better utilized if combined with other recreation activities such as swimming beaches, recreational trails/trailheads, playground equipment etc. Picnic areas should be included at any new park development.

A number of parks are being recommended for future improvements, additional grills and picnic tables will be incorporated into the parks to accommodate day-use activities.

#### **Nature Study and Hiking Trails**

Sawyer County offers many hiking and nature study opportunities to the public. Development of any hiking trails could include modifying the trail for disabled individuals, constructing boardwalks, providing interpretive signs and trail brochures, and creating overlooks and rest areas along the trail. These improvements will help satisfy nature study and hiking trail demands.

The Grindstone Lake Foundation currently has a project acquisitioning a former cranberry bog on Grindstone Lake to provide water quality protection, provide low-impact public recreation and educational experiences and demonstration of wetland, shoreline and nearshore habitats and land restoration which would be a benefit for Sawyer County for nature study.

#### **Bicycling-Mountain Biking**

Mountain biking is a sport that is increasing in popularity in Sawyer County every year. Sawyer County provides many miles of both singletrack, two track, and gravel road routes throughout the county. Proposed improvements to the trails system would include on-going trail maintenance, improvements and rehabilitation of older trails. Reclamation of degraded trail segments. Expansion of gravel route system, including mapping and marking routes. Upgrading trailhead kiosk facilities and upgrading wayfinding signage.

#### **ATV/UTV Riding**

As ATV/UTV use is constantly growing, facilitating trail improvements and developments on the Sawyer County state funded trail system will be a priority. Trail rehabilitations, developments



of new trail and trail facilities will help to address the growing demand for trail riding opportunities. Sawyer County will continue to work with the Sawyer County Snowmobile and ATV Alliance as well as other units of government and other landowners to maintain and improve the trails. Bridge and trail rehabilitation will continue as needed. Development of shelters, restrooms and other trailhead facilities are recommended for remote locations along the trail system. Trail interconnectivity will also be a focus for any future developments.

### Snowmobile Trails

Sawyer County continues to be a destination for snowmobiling and continues to experience a high demand on snowmobile trails throughout the county. Sawyer County will continue to work with the Sawyer County Snowmobile and ATV Alliance as well as other units of government and landowners to maintain and improve the trails. Bridge and trail rehabilitation will continue as needed. Development of shelters, restrooms and other trailhead facilities are recommended for remote locations along the trail system. Trail interconnectivity will also be a focus for any future developments.

### Cross-Country Skiing

Sawyer County also continues to be a destination for cross country skiing as well, with the world-famous American Birkebeiner Ski Trail as well as several other smaller loop trail systems throughout the county provides facilities for the increasingly popular activity in the county. Sawyer County will continue to work with the American Birkebeiner Ski Foundation and other local groups to provide and improve trail and trailhead facilities within the county.

### Summary

Sawyer County has ample natural resources that are attractive to residents and nonresidents alike. The key to keeping this attractive is adequate resource protection, maintenance of current facilities, and expansion of facilities in the areas previously discussed.

The next section analyzes and makes recommendations for improving existing parks and facilities.

## Recommendations

### County Facilities

- Hatchery Creek Park

A former DNR fish hatchery, Hatchery Creek Park was established as the first county park in 1984. Hatchery Creek Park has become a focal point for many events including the Chequamegon Fat Tire mountain bike race, American Birkebeiner ski race, and regional high school cross-country meets. These events bring thousands of participants and spectators from around the world to the area each year.

In addition to large, competitive events the park hosts many smaller, private functions and provides opportunities for outdoor education and recreation. Opportunities include ski trails with lights for night skiing, trout fishing, picnicking and a nature trail for hiking. Mountain bikers access singletrack trails and pump park bike area from the trailhead at the park. Located at the park, the Hatchery Creek Trailhead provides access to the southern portion of the Birkie trail within a short distance of Hayward

#### Existing Facilities

- Paved parking area and trailhead on the southern portion of Sawyer County Forest Seeley Block
- Restrooms
- Heated log pavilion/shelter with picnic tables
- Fire ring and benches
- Picnic tables and grills
- Trail information
- Lighted ski loops
- Nature/ educational trail
- Drinking water

#### Recommendations

- Increase opportunities for multi-season use
- Improve nature/educational hiking trail signs
- Replace picnic tables and grills

- American Birkebeiner Trail

The primary focus of development will be for year-round recreational use as well as providing support for annual events.

#### Existing Facilities

- Mosquito Brook Trailhead
  - Warming Building
  - Parking

- Drinking water
- Pit Road Trailhead
  - Warming building
  - Limited parking
  - Drinking water
- Double OO Trailhead Center
  - Indoor bathrooms
  - Meeting area
  - Parking
  - Fitness park
  - Drinking water
- Boedecker Road Trailhead
  - Warming building
  - Limited parking
  - Drinking water
- FireTower Trailhead
  - Warming building
  - Limited parking
  - Drinking water
- Birkie Ridge Trailhead
  - Parking area

### Seeley Fire Tower

The location of the now removed Seeley Fire Tower provides a unique vista south across miles of the Sawyer County Forest. The site is adjacent to the birkie trail and CAMBA singletrack bike trails and is used as a stopping point by hikers, mountain bikers, skiers and snowmobilers.

### Recommendations

- Develop an elevated overlook
- Information kiosk

### Nelson Lake Wayside

Former Department of Transportation wayside located on State Highway 27 North, adjacent to the County owned Totogatic Dam that forms Nelson Lake and immediately upstream from the WDNR Totogatic Wildlife Area. Managed in cooperation with the Town of Lenroot.

### Existing Facilities

- Paved parking Area
- Picnic table and grills
- Pit toilets
- Boat landing

- Pavilion
- Native plant display

### Eagles Landing Park

A 1.42 acre park and landing on the Namekagon River, which is accessible from Airport Road. Improvements will emphasize the natural setting and aesthetics of the Namekagon River and improve wildlife and shoreline habitat.

#### Existing Facilities

- Gravel parking area
- Artesian well
- Handicap accessible restroom
- Wildlife viewing benches
- Picnic area
- Walkway to river access
- Pier for river access

#### Recommendations

- Shelter/pavilion

### Sawyer County Fairgrounds

A 10.65 acre site adjacent to the County Highway Shop on CTY Hwy B. The fairgrounds are available to organizations for events and storage of county equipment.

#### Existing Facilities

- Pavilion
- Exhibit hall
- Large animal barn
- Hog/sheep barn
- Poultry barn
- Milking parlor
- Motocross track
- Grandstand
- 4-H building
- Large parking area

#### Recommendations

- Surface improvements for walkways and road
- Insulate and install HVAC system in exhibit hall
- Bleachers
- Outdoor public bathrooms
- Storage building for fair equipment

#### Boat Landings

- Nelson lake Dam Boat Landing, developed
- Nelson Lake Tag Alder Landing, developed
- Weirgor Lake, walk in landing
- Price Dam Landing, Lake Winter, developed
- Windfall lake, developed
- Spring Lake, developed
- Tiger Cat Flowage, developed
- Deer Lake, developed
- Winter Dam, Chippewa Flowage, developed
- Green Lake, undeveloped

### **Township Recreational Facilities**

#### Town of Bass Lake

##### Existing Facilities

- Durphee Boat Landing – Cement ramp with limited parking located on County Road KK
- Grindstone Scenic Overlook
- Grindstone Shallows Park – Boat landing, pavilion, picnic area, grills, restrooms and rustic nature trail
- Harvey Park – Rustic walkway with benches at LCO shoreline with limited parking located on Circle Drive at the end of County Road KK.
- Henks Park
- Little LCO Boat Landing
- Spring Lake Boat Ramp – Cement ramp and dock with limited parking located at the junction of Williams Road and County Road E
- Windigo Boat Landing – Cement boat ramp with dock, gazebo, view shed, large paved parking area, picnic area, grills and restroom located on Highline Road.

#### Town of Draper

##### Loretta/Draper Municipal Park

##### Existing Facilities

- Pavilion
- Picnic area
- Restrooms
- Ball field

### Tent/RV Campground

#### Town of Hayward

The Town of Hayward maintains a lake access and swimming area on Peninsula road and boat landing with parking on Linden Road, both sites are on the west side of Round Lake.

#### County Hill Recreational Forest

A year-round park for non-motorized recreation located on County Hill Road adjacent to the WDNR Kissick Swamp Wildlife Area.

##### Existing Facilities

- Picnic/warming shelter
- Handicap accessible restroom
- Gravel parking area
- Sledding hill
- Natural lake
- Trail system for hiking, hunter walking trail, snowshoeing, cross-country skiing

##### Recommendations

- Signage
- Develop interpretive trail for forest management practices and native trees and vegetation
- Benches
- Power to shelter building
- Trail lighting
- Develop Kozniesky pond area
- Gravel pit reclamation for skating rink

#### Town of Lenroot

The town of Lenroot owns and maintains two recreation facilities and a boat landing. The facilities are on Silverthorn Lake and Smith Lake, with the boat landing on Nelson lake.

## Eytcheson Park – Smith lake

### Existing Facilities

- Boat landing and parking
- Swimming beach
- Restrooms
- Picnic area
- Pavilion

## Silverthorn Lake Park

### Existing Facilities

- Swimming beach
- Shelter/pavilion
- Restrooms
- Tennis court
- Playground equipment
- Baseball field

## Town of Meteor

### Existing Facilities:

- Softball field
- Sand volleyball court
- Paved court area
- Picnic pavilion with grill and tables

### Recommendations:

- Continue development of recreation center at Town Hall.

## Town of Ojibwa

### Ojibwa Park

The Town of Ojibwa owns and maintains the former Ojibwa State Park. The Town has a 4 member park committee who oversees maintenance/ management of the Ojibwa Park. The Park provides access for snowmobilers and ATVs to the Tuscobia State Trail, as well as a campground. The Turkey Feather Trail is a one mile marked hiking trail on the north side of Highway 70 in Ojibwa Park. A two mile ski loop starts at the Turkey Feather Trailhead.

### Existing Facilities:

- Restrooms
- Picnic areas & large grill
- Sixteen camper sites and three tent sites

### Existing Facilities

- Drinking water
- RV waste station
- Shelter building
- Playground equipment for pre-school to age 10
- Turkey Feather Trail – hiking & skiing

### Recommendations:

- Develop/install shower unit in campground

### Baird Community Park

Located on the north side of the Chippewa River.

### Existing Facilities:

- Picnic tables
- Grills
- Restrooms
- Ball Field with dugouts
- Concession stand
- Canoe access to the river

### Recommendations:

- Replace concrete floor in shelter
- Roll grounds in ball park outfield

### Ojibwa Park-Canoe Access

A small parking area adjacent to the Ojibwa Park that provides scenic access and a canoe take-out point on the north side of the Chippewa River.

### Existing Facilities:

- Picnic area
- Improved canoe access point
- Gravel parking area

### Town of Round Lake

The Town of Round Lake utilizes the Town Hall located on CTH A for Town meetings and annual functions. Hall/Community Building is also used by multiple lake and property associations for meetings and informational forums.

### Existing Facilities:

- Parking area



- Non-motorized boat launch
- Scenic area with fishing access (West Fork Chippewa River)
- Battle of the Horsefly historical site/marker

Recommendations:

- Develop picnic facilities including grills and tables, pavilion, and landscaping.
- Restrooms
- Drinking water
- Hiking/Snowshoe trail development on 40 acres of town property adjacent to Town Hall.
- Develop water access/swim/picnic area, possibly in conjunction with adjacent Towns.

Town of Sand Lake

Recreation facilities in the Town of Sand Lake are provided primarily for Stone Lake area residents, visitors and tourists.

Stone Lake Lions Park

The park is located on STH 70

Existing Facilities:

- Softball field with improved fencing and players benches
- Pavilion. With adjoining serving area (roll serving doors and picnic tables)
- Picnic areas with tables and grilles
- Fire Pit
- Playground Equipment
- Equipment Storage Building and Garage
- Restrooms (Pit Toilets)
- Basketball court
- Pickle Ball court
- Volley Ball court

Recommendations:

- Add Horseshoe courts
- Provide a water source to the park
- Paint the existing Pit toilets
- Build Restrooms with running water and sewer.

Stone Lake Elementary School

Previously the Stone Lake Elementary school building, the building and lot is now owned by the Stone Lake Cranberry Fest, Inc. and used as a community park.

Existing Facilities:

- Playground Equipment , 2 groupings

Recommendations:

- Move one grouping of Playground equipment to Lions Park (Replacement) or Lions Hall (New Play Area)

Town of Winter

Archery Range – Lagoon Road

Existing Facilities:

- Pavilion
- Small storage shed
- Parking
- Porta-potty (owned by archery club)

Recommendations:

- Expand facility to include rifle and pistol range
- Expand parking area to accommodate approximately 20 vehicles and/or trailers
- Develop recreational vehicle operation training area for youth lessons/certifications
- Plant a buffer of trees
- Provide a water source to the area
- Provide restroom facilities
- Provide playground equipment
- Develop a picnic area with shelter, tables and grills
- Provide electricity to site

Lake Winter Boat Landing – Tower Road (NE side of lake)

Existing Facilities:

- Seasonal boat dock
- Handicap accessible fishing dock
- Parking area

Recommendations:

- Develop playground area with shelter and equipment
- Provide electricity to picnic area
- Provide picnic tables
- Provide water source
- Provide restroom facilities

## **Village recreational facilities**

### Village of Couderay

The recreation facilities are provided within the village located on the Couderay River.

### Ed Anderson Recreation Area

#### Existing Facilities:

- Two ball fields
- Playground equipment
- New pavilion
- Picnic area
- Restrooms

#### Recommendations:

- New barrier free restrooms should be added
- New chain-link backstops on both fields
- New line fencing on both fields
- Picnic area with tables and grills could be developed along the river within the park
- Acquire Eddy Creek Park from the County and improve

### Village of Radisson

Four outdoor recreation areas are located in the village. All town roads are open to ATV and Snowmobiles.

#### New Project Recommendations:

- Create path and rehabilitation of boat landing/public rest area on Couderay River. Property lies within Town of Radisson and owned by North Central Power.
- Develop biking/walking/rollerblade path to Tuscobia Trail to create a circular recreational path

### Radisson Recreational Park

#### Existing Facilities:

- Eight campsites with electric & water hookup
- 5 tent sites
- Picnic tables
- Pavilion with electricity & water
- Restrooms
- Playground equipment for preschool
- Volleyball net

- Basketball hoop
- RV waste station
- ATV wash station
- ATV unloading ramp

Recommendations:

- Shower building
- Blacktop parking area

Radisson Ball Park

Existing Facilities:

- Restrooms
- Concession stand
- Ball field

Recommendations:

- Add a chain-link backstop and outfield fence

Village Firehall Park

Located adjacent to the Firehall on the Tuscobia State Trail.

Existing Facilities:

- Pavilion
- Restrooms inside the pavilion
- Basketball court

Recommendations:

- Remodel Village Hall restrooms

Former Radisson Elementary School

Existing Facilities:

- Ball field
- New playground equipment

Recommendations:

- Upgrade existing ball fields for youth leagues

Village of Winter

Excellent outdoor recreation facilities are provided in the village.

### Dr. H.A. Smith Park and V.F.W.

#### Existing Facilities:

- Picnic area
- Ball field
- Pavilion
- Restrooms – barrier free 2006

#### Recommendations:

- Park signage
- Recondition softball diamond
- Repaving
- Event shelters with electricity
- Construct two ballpark dugouts
- Construct ballpark concession stand

### CM Olson Athletic Field

The Winter School District also provides excellent facilities at the school.

#### Existing Facilities:

- Baseball diamond
- Asphalt track
- Playground equipment

### Friends of Tuscobia – Winter Depot Trailhead

#### Existing Facilities:

- Historic Village of Winter railroad depot near the Tuscobia Trail for use as a multi-use trailhead including ATV, snowmobiles, hiking, and biking.

#### Recommendations:

- Provide entrance and parking areas to accommodate vehicles and trailers
- Establish picnic area with shelter, tables and grills
- Establish a water source
- Restrooms
- Lighting
- Landscaping
- Fencing
- Signage

### Village of Exeland

The Village of Exeland has excellent and well used recreation facilities.

## Swan Creek Park

### Existing Facilities:

- Shelter.
- Camping.
- Water pump.
- Restrooms.
- Horseshoe pits.
- Little League field.
- Grass open play area with playground equipment.

### Recommendations:

- Create a multi-use community recreation facility. A fishing area for children could be developed at the park where the Swan and Weirgor Creeks come together. A small shelter and a stream-side handicap accessible fishing dock could be included.
- Ice skating rink
- Tennis courts
- Bathroom/shower facility for camp area

## Exeland Sports Center

Excellent recreation opportunities are available at this facility.

### Existing Facilities:

- Rod & Gun Club with a trap and rifle range
- Softball field
- The major facility of the Exeland baseball field
- New restrooms
- Concession stand
- New batting cages & dugouts
- Pavilion
- New sand volleyball court
- Playground equipment
- Open and covered bleachers

## **City recreational facilities**

### City of Hayward

Hayward, the county seat of Sawyer County, has shown substantial growth in the past thirty years-

-from a 1980 population of 1,698 to a 2010 census population of 2,340, an increase of 27 percent.

The Town of Hayward, which surrounds the city, increased from 2,331 in 1980 to 3,601 people in the 2010 census. This is an increase of 35 percent. The City and Town of Hayward now have a combined population total just under 6,000.

This dramatic increase has placed increased pressure on existing recreation facilities and created demand for new recreational opportunities. The City of Hayward's existing recreation facilities receive extremely heavy use during high tourist periods. The lack of major picnic open-space play area is evident. The city swimming beach, which is the only public swimming area in Hayward, is now accessible via the biking/walking trail that circumnavigates the city limits.

Hayward functions as a popular service center for area second home residents, and resorts and receives extremely sharp population increases in the summer months. Special events as the Musky Festival, Lumberjack World Championships, Winterfest, Fat Tire Festival and the American Birkebeiner cross-country ski race bring additional thousands of visitors into the area. Hayward is also fortunate to be the home of the National Fresh Water Fishing Hall of Fame. This facility is located adjacent to the city beach.

The Hayward area presently supports men's and women's summer softball leagues, Little League baseball, a men's city baseball team, youth soccer, logrolling and amateur ice hockey programs. The majority of organized team recreation activities take place at the Hayward Sports Center located adjacent to the Middle School.

### Hayward Community School District

#### Hayward Primary School

##### Existing Facilities:

- Ball fields
- New playground equipment
- Gymnasium
- Soccer field
- Paved parking

##### Recommendations:

- Upgrade ball fields (new backstops)

#### Hayward Intermediate School

##### Existing Facilities:

- Access to paved fitness trail
- New playground equipment

- Gymnasium
- Paved parking

### Hayward Middle School

#### Existing Facilities:

- Shares outdoor fields with Sports Center and High School
- Large gymnasium
- Paved parking
- Football field
- Sand volleyball court

### Hayward Senior High School

#### Existing Facilities:

- Baseball fields
- Softball fields
- Track facility
- Football field
- Soccer fields
- 4 tennis courts
- Auditorium
- Access to paved fitness trail

#### Recommendations:

- Upgrade tennis courts

### Erik and Randy Lawry Skate Park

Excellent skateboard and rollerblade park (44,167 sq ft.). Located adjacent to the High School and Middle School. Open to the public.

### Hayward Sports Center

This 28 acre sports complex is on land owned by the City of Hayward but is administered by the Hayward Sports Center Board of Directors and provides recreation opportunities for Sawyer County and area residents, and visitors.

#### Existing Facilities:

- 28,000 sq. ft. indoor arena providing ice hockey, meetings, concession, restrooms, and year round activities
- Softball field with restrooms
- 3 Little League fields with concession and storage
- Playground equipment



Recommendations:

- Bury overhead electric lines
- Develop swim park

Dog Park (formerly Nyman Park)

A 9.2-acre parcel located along Smith Lake Creek on the north side of the city with 77,700 sq. ft. of mowed area.

Existing Facilities:

- Vehicle parking area
- Designated area for unleashed dogs
- Walking trail for leashed dogs

Smith Creek

Recommendations:

- Develop a plan to address problems and utilize the potential of the creek.

Upper Shues Pond

This area is adjacent to the Senior Citizens Center.

Existing Facilities:

- Benches
- Trails (.3 miles)

Recommendations:

- Develop a picnic area with a small pavilion

Pedestrian/Bike Trail

Year-round, paved fitness trail originates near the City Beach, continues through the business park, past the school campuses and down Nyman Ave, continuing past the Sherman & Ruth Weiss public library, and ends at the city limits on Highway 77 near Walmart/Slumberland. The trail provides access to the Middle School, Sports Center, Intermediate School, and Primary School locations, as well as the public library.

Recommendations:

- Complete bike/walking trail and work with adjacent townships to make a regional trail.
- Utilize the trail corridor for the Tree City/Bird City initiative

Jaycees Tot Lot

This small playground and ice skating rink is located at the corner of Wisconsin and Fourth Street

in the City of Hayward (34,956 sq. ft.).

Existing Facilities:

- Playground equipment
- Outdoor skating rink

Recommendation:

- Additional lighting

City Beach

Existing Facilities (121,000 sq. ft.):

- Swimming beach
- Restrooms
- Open shelter
- Basketball court
- Boat ramp
- Accessible Pier
- Picnic area with tables and grills
- Playground with a variety of equipment

Recommendations:

- Define parking for boat access

Shues Pond

This attractive area provides beautiful inter-city open space (90,000 sq. ft.). The annual “Lure of the Lights” display is held here. The pond is used by a variety of wildlife, and many residents enjoy viewing the wildlife while having lunch.

Existing Facilities:

- Gazebo
- Picnic tables
- Flag pole
- Playground equipment

Recommendations:

- Plant a pollinator garden to attract birds and butterflies.
- Utilize the area for the Tree City/Bird City initiative

Library Nature Park

Existing Facilities:

- Nature park
- Walking trails
- Viewing pier
- Bridge
- Informational kiosks
- Plant identification signs
- Outdoor amphitheater/classroom

Recommendations:

- Upgrade/improve/maintain outdoor amphitheater
- Conserve and restore the wetland and upland areas
- Invasive species control
- Reforestation/habitat management

## **SUMMARY**

Sawyer County has a diverse natural resource base providing a variety of recreational opportunities. Many of the opportunities take place on public lands such as Sawyer County Forest, Chequamegon National Forest, State of Wisconsin lands managed by the DNR, and the Namekagon River National Scenic Riverway. The area offers many nationally recognized recreational events.

Sawyer County has a unique group of citizens who, through volunteer efforts, are able to make things happen, and provide unique recreational opportunities and world class recreation events. The county's role is that of managing and maintaining its vast county forest system as a viable multi-use recreation base as well as providing quality forest products. The municipalities in the county must continue to provide and maintain community based recreation facilities that have made Sawyer County one of the most livable areas in the Midwest.

# APPENDIX A - FINANCIAL AIDS

## PROGRAM DESCRIPTION

### **Land and Water Conservation Fund (LWCF) Program**

This is a federal program administered in all states that encourages creation and interpretation of high-quality outdoor recreational opportunities. Funds received by the DNR for this program are split between DNR projects and grants to local governments for outdoor recreation activities.

Grants cover 50 percent of eligible project costs.

### **Eligible applicants**

Towns, villages, cities, counties, tribal governments, school districts or other state political subdivisions are eligible to apply for grants for acquisition and/or development of public outdoor recreation areas and facilities.

### **Eligible projects**

- Land acquisition or development projects that will provide opportunities for public outdoor recreation.
- Property with frontage on rivers, streams, lakes, estuaries and reservoirs that will provide water based outdoor recreation.
- Property that provides special recreation opportunities, such as floodplains, wetlands and areas adjacent to scenic highways.
- Natural areas and outstanding scenic areas, where the objective is to preserve the scenic or natural values, including wildlife areas and areas of physical or biological importance. These areas shall be open to the general public for outdoor recreation use to the extent that the natural attributes of the areas will not be seriously impaired or lost.
- Land or development within urban areas for day use picnic areas.
- Land or development of nature-based outdoor recreation trails.
- Development of basic outdoor recreation facilities.
- Renovation of existing outdoor recreation facilities which are in danger of being lost for public use.

### **Ineligible project examples**

- A project that is not supported by a local comprehensive outdoor recreational plan.
- Acquisition and development of golf courses.
- A project where storm water management is the primary purpose.
- Motorized recreation trails.
- Lands that include cell towers.
- Land that will be used for non-outdoor public recreation purposes.

### **Deadlines and funding cycles**

- Submit completed applications by **May 1** of each year

to: [Lavane Hessler](#)

**Local government grant manager**

Department of Natural Resources

P.O. Box 7921

Madison WI 53707-7921

608-267-0497

- Department of Natural Resources regional staff review and rate eligible projects in **early June**.
- Final project listing is compiled in **July** with projects ranking the highest selected for grants to the extent funds are available.
- Final selected projects will be reviewed and approved by the National Park Service prior to the sponsor receiving an agreement with the DNR.

### **Application materials**

Because these grants are often coupled with grants from the Knowles-Nelson Stewardship Program, LWCF grant application materials appear in the same booklet as [Stewardship Local Assistance grant application materials](#).

**APPENDIX E-28**

**NPS Namekagon River Recreation Sites, Maps 1-4**

## Enjoy the River Safely and Responsibly.

### Regulations

#### Boating and Paddling (36CFR 3)

- Wear your life jacket! Approved life jackets for each person are required on your vessel.
- Children under 13 are required to wear a life jacket.
- Slow-no wake, which is operation of a motorboat at the slowest possible speed necessary to maintain steerage, is in effect within 100 feet of
  - o A downed water skier;
  - o A person swimming, wading, fishing from shore or floating with the aid of a flotation device;
  - o A designated launch site; or
  - o A manually propelled, anchored or drifting vessel.
- Use of personal watercraft is prohibited. (Defined in 36CFR 1.4)

#### Camping (36CFR 2.10)

- Camping is only allowed at designated sites on a first-come, first-served basis.
- Camping stay limit is 3 consecutive nights at a campsite.
- Individual campsites accommodate a maximum of 8 people and 3 tents. Group sites accommodate a maximum of 16 people and 6 tents.
- Tents must be occupied on the first night of stay. Equipment left unattended to hold a site will be treated as abandoned.

#### Campfires and Firewood (36CFR 2.1)

- Open campfires are allowed only in metal campfire rings.
- Dead and down wood may be collected for campfires from shoreline areas but not from islands.

- The cutting of live vegetation is strictly prohibited.
- To prevent the spread of emerald ashborer, only use firewood that is kiln dried or collected within 25 miles of where it will be used.
- Campfires must be out and cold before you leave the area.

#### Fishing (36CFR 2.3)

- Dumping or release of live bait is prohibited.
- Use of live crayfish as bait is prohibited.
- Help prevent the introduction of invasive species. Never release bait, bait water, or water from live bait wells into the river.

#### Sanitation and Refuse (36CFR 2.14)

- Where a pit toilet is not available, human waste and pet waste must be removed from the park or be buried at least 6 inches underground and a minimum of 100 feet from any water source, high water mark, trail, or facility.
- Carry out all trash.
- Littering is not allowed.
- Please do not put trash in toilets.

#### Resource Protection (36CFR 2.1)

- Collecting live or dead mussels, empty mussel shells, historical artifacts, or wildflowers is prohibited.

### General

- Pets must be on a leash no longer than 6 feet. Pet waste must be removed from the park or buried. (36CFR 2.15(a)(1))
- Possession or shooting of fireworks are prohibited. (36CFR 2.38(b))
- Quiet hours are from 10:00 pm to 6:00 am. (36CFR 2.10(b)(4))
- Do not jump or dive from cliffs, trees, swing ropes, or bridges. (36CFR 1.5)

### Safety Tips

- Check river conditions before launching [www.nps.gov/sacn/planyourvisit/current-conditions](http://www.nps.gov/sacn/planyourvisit/current-conditions).
- Know your paddling ability. Not all stretches of the Riverway are suitable for beginners.
- Avoid trees that have fallen into the river. They can catch and overturn your vessel.
- Wear sunscreen, sunglasses, and a hat to prevent sunburn.
- Use alcohol responsibly.
- Do not bring glass containers to the Riverway. Broken glass cuts bare feet.
- Protect your feet with river shoes or sandals
- Bring your own drinking water. River water is not safe to drink unless purified.
- Check for ticks.
- Watch for poison ivy.

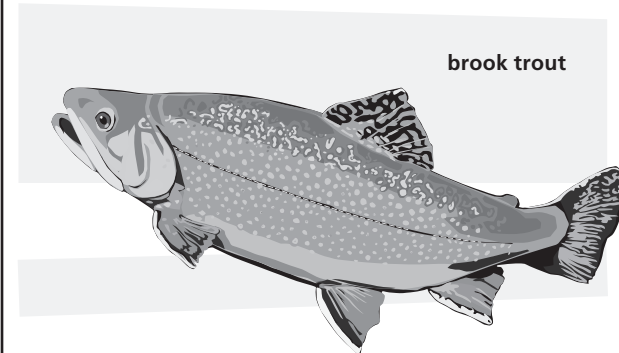
For COVID-19 updates, see [www.nps.gov/sacn](http://www.nps.gov/sacn).

Codes: Superintendent's Compendium, park specific rules under 36 Code of Federal Regulations (36CFR), [www.nps.gov/sacn/learn/compendium.htm](http://www.nps.gov/sacn/learn/compendium.htm).

National Park Service  
St. Croix National Scenic Riverway



## Namekagon River Map 1: Namekagon Dam to Hayward Landing



*Native brook trout are found in the colder waters of the upper Namekagon River.*

### In This Stretch

- The first ten miles of this stretch are isolated. Expect numerous beaver dams, downed trees, and three low bridges. Water levels can be extremely low and impassable during dry conditions.
- From **Phillipi Landing** to **Cable Wayside**, water levels tend to be slightly better.
- At the old **Phipps Dam** site, you can usually run the rapids or look for the portage on the right.
- From **Trout Run Landing** to Hospital Road you may encounter large groups of people on tubes.
- Hayward Lake is large and open, making paddling difficult during a strong headwind. You must portage the **Hayward Dam**.
- **ALERT:** Construction of Tag Alder Rd. begins May/June 2022. Portage around the bridge will be needed at times.



# St. Croix National Scenic Riverway

## Namekagon River Map 1: Namekagon Dam to Hayward Landing

Namekagon River Visitor Center  
 Highway 63, half mile east of Highway 53  
 Trego, Wisconsin  
 715-635-8346

[www.nps.gov/sacn](http://www.nps.gov/sacn)

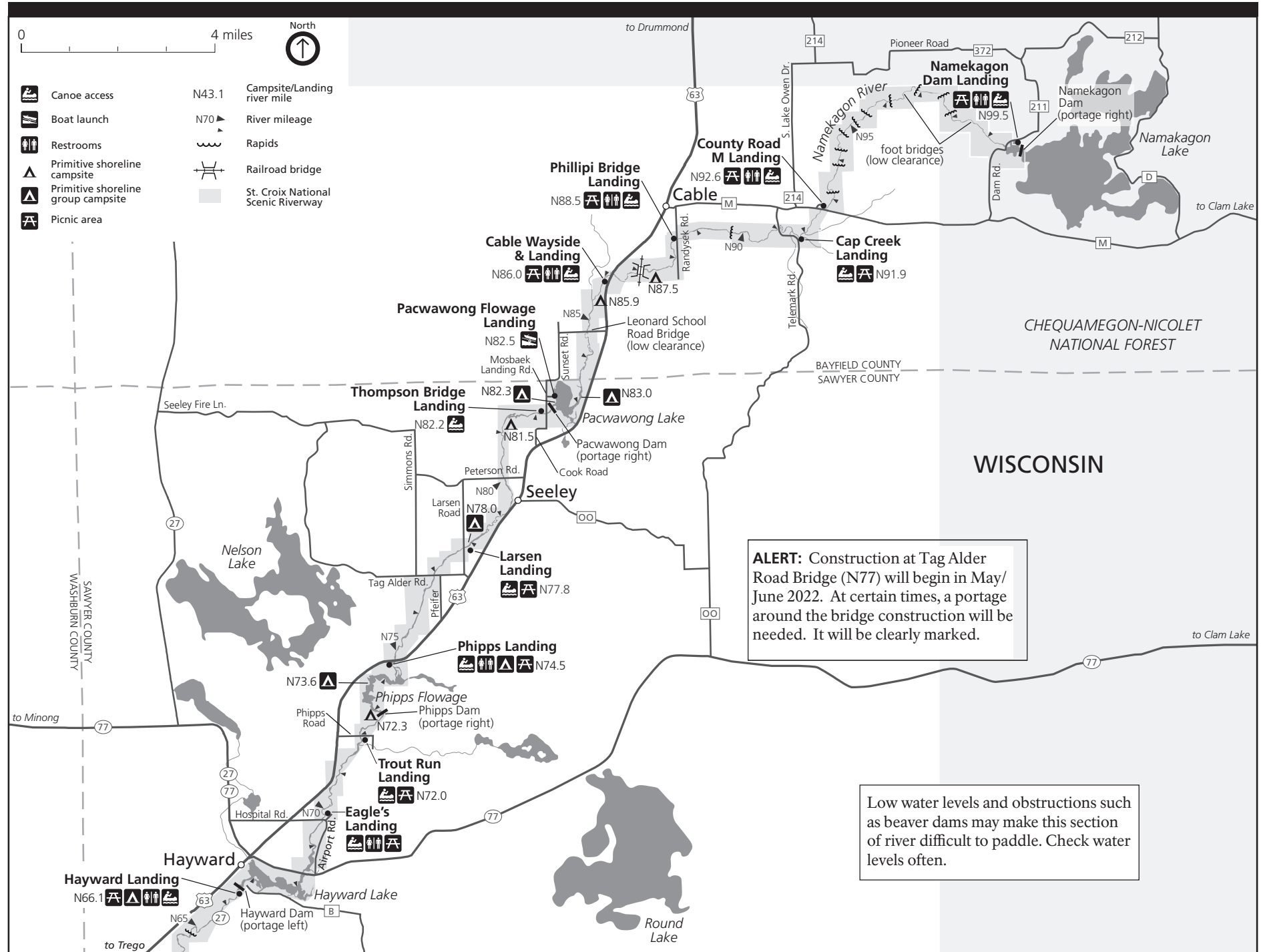
[www.facebook.com/StCroixNSR/](https://www.facebook.com/StCroixNSR/)

**Emergencies call 911**  
**See a problem? 1-800-PARKTIP**

### For Current River Conditions

Visit [www.nps.gov/sacn/planyourvisit/current-conditions.htm](http://www.nps.gov/sacn/planyourvisit/current-conditions.htm)  
 Call 715-483-2274

# FIND YOUR PARK



## Enjoy the River Safely and Responsibly.

### Regulations

#### Boating and Paddling (36CFR 3)

- Wear your life jacket! Approved life jackets for each person are required on your vessel.
- Children under 13 are required to wear a life jacket.
- Slow-no wake, which is operation of a motorboat at the slowest possible speed necessary to maintain steerage, is in effect within 100 feet of
  - o A downed water skier;
  - o A person swimming, wading, fishing from shore or floating with the aid of a flotation device;
  - o A designated launch site; or
  - o A manually propelled, anchored or drifting vessel.
- Use of personal watercraft is prohibited. (Defined in 36CFR 1.4)

#### Camping (36CFR 2.10)

- Camping is only allowed at designated sites on a first-come, first-served basis.
- Camping stay limit is 3 consecutive nights at a campsite.
- Individual campsites accommodate a maximum of 8 people and 3 tents. Group sites accommodate a maximum of 16 people and 6 tents.
- Tents must be occupied on the first night of stay. Equipment left unattended to hold a site will be treated as abandoned.

#### Campfires and Firewood (36CFR 2.1)

- Open campfires are allowed only in metal campfire rings.
- Dead and down wood may be collected for campfires from shoreline areas but not from islands.

- The cutting of live vegetation is strictly prohibited.
- To prevent the spread of emerald ashborer, only use firewood that is kiln dried or collected within 25 miles of where it will be used.
- Campfires must be out and cold before you leave the area.

#### Fishing (36CFR 2.3)

- Dumping or release of live bait is prohibited.
- Use of live crayfish as bait is prohibited.
- Help prevent the introduction of invasive species. Never release bait, bait water, or water from live bait wells into the river.

#### Sanitation and Refuse (36CFR 2.14)

- Where a pit toilet is not available, human waste and pet waste must be removed from the park or be buried at least 6 inches underground and a minimum of 100 feet from any water source, high water mark, trail, or facility.
- Carry out all trash.
- Littering is not allowed.
- Please do not put trash in toilets.

#### Resource Protection (36CFR 2.1)

- Collecting live or dead mussels, empty mussel shells, historical artifacts, or wildflowers is prohibited.

### General

- Pets must be on a leash no longer than 6 feet. Pet waste must be removed from the park or buried. (36CFR 2.15(a)(1))
- Possession or shooting of fireworks are prohibited. (36CFR 2.38(b))
- Quiet hours are from 10:00 pm to 6:00 am. (36CFR 2.10(b)(4))
- Do not jump or dive from cliffs, trees, swing ropes, or bridges. (36CFR 1.5)

### Safety Tips

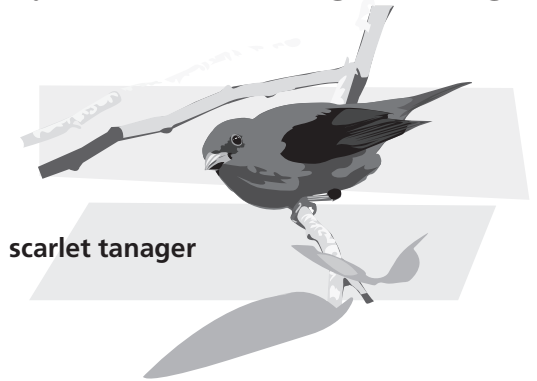
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- Do not bring glass containers to the Riverway. Broken glass cuts bare feet.
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For COVID-19 updates, see [www.nps.gov/sacn](http://www.nps.gov/sacn).

Codes: Superintendent's Compendium, park specific rules under 36 Code of Federal Regulations (36CFR), [www.nps.gov/sacn/learn/compendium.htm](http://www.nps.gov/sacn/learn/compendium.htm).



## Namekagon River Map 2: Hayward Landing to Trego



scarlet tanager

*The St. Croix and Namekagon rivers are migration corridors and nesting areas for many species of songbirds.*

### In This Stretch

- After **Hayward Landing** the river is rocky and narrow. A few miles downstream the river becomes sandy and slow. Water levels are usually good.
- Just downstream from **Stinnett Landing** the river narrows, forming a chute.
- As you continue downstream the river quickens with many Class I rapids.
- After **Big Bend Landing** the river widens, slows, and is an easy paddle.
- **Earl Park Landing** is a popular put-in spot for people on tubes on hot summer days.
- Five miles down river, the river passes under Highway 53, to **Trego Town Park Landing**, followed by five miles of slow paddling through the **Trego Flowage** to the **Trego Dam**. (See Map 3 for the complete map of the Trego Flowage.)
- **ALERT:** Construction of US 53/63 Trego Interchange will occur through 2022. See map side for further information.

# St. Croix National Scenic Riverway

## Namekagon River Map 2: Hayward Landing to Trego

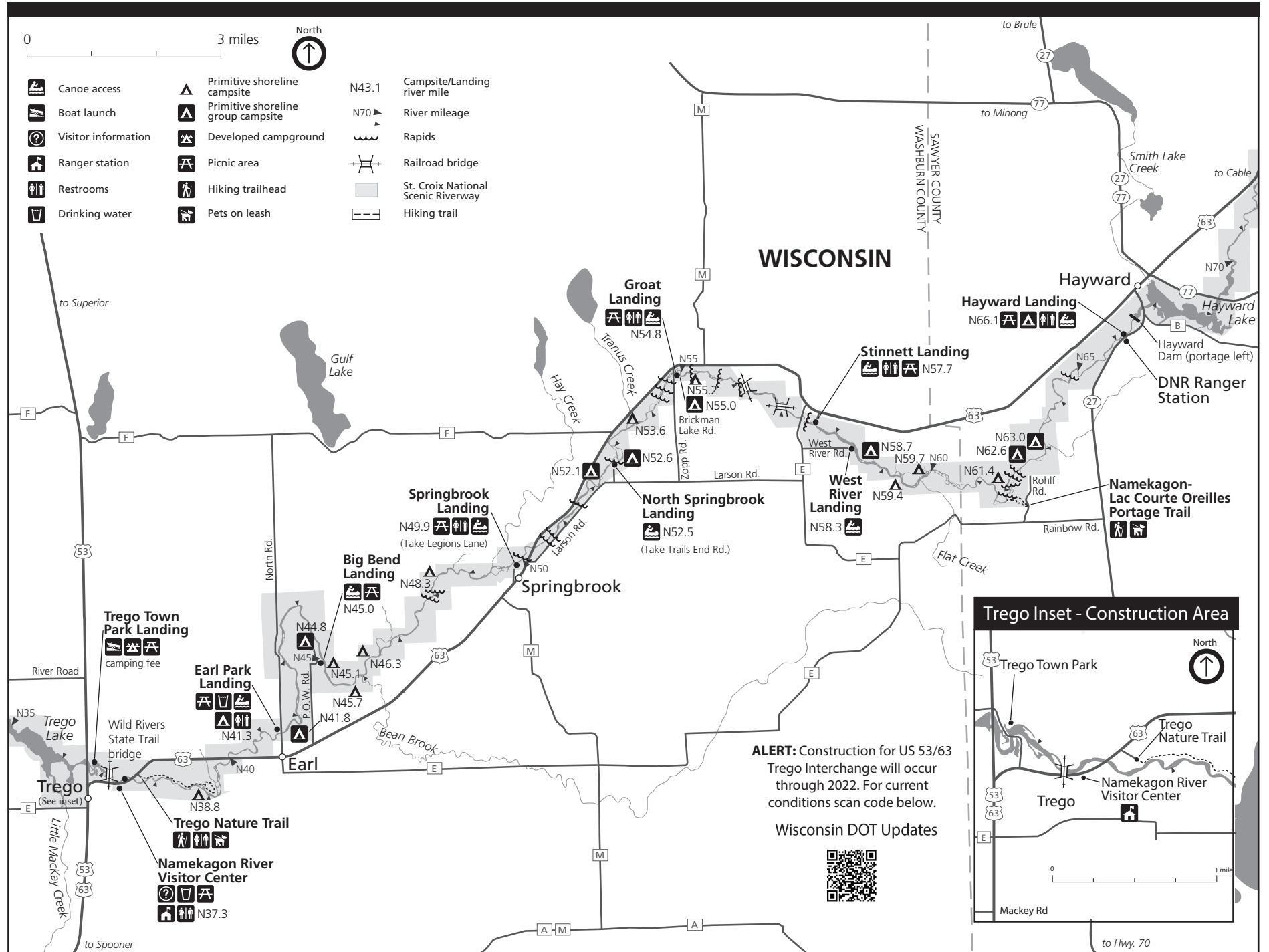
**Namekagon River Visitor Center**  
 Highway 63, half mile east of Highway 53  
 Trego, Wisconsin  
 715-635-8346

[www.nps.gov/sacn](http://www.nps.gov/sacn)  
[www.facebook.com/StCroixNSR/](https://www.facebook.com/StCroixNSR/)

**Emergencies call 911**  
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**For Current River Conditions**  
 Visit [www.nps.gov/sacn/playourvisit/current-conditions.htm](http://www.nps.gov/sacn/playourvisit/current-conditions.htm)  
 Call 715-483-2274

# FIND YOUR PARK



## Enjoy the River Safely and Responsibly.

### Regulations

#### Boating and Paddling (36CFR 3)

- Wear your life jacket! Approved life jackets for each person are required on your vessel.
- Children under 13 are required to wear a life jacket.
- Slow-no wake, which is operation of a motorboat at the slowest possible speed necessary to maintain steerage, is in effect within 100 feet of
  - o A downed water skier;
  - o A person swimming, wading, fishing from shore or floating with the aid of a flotation device;
  - o A designated launch site; or
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- Use of live crayfish as bait is prohibited.
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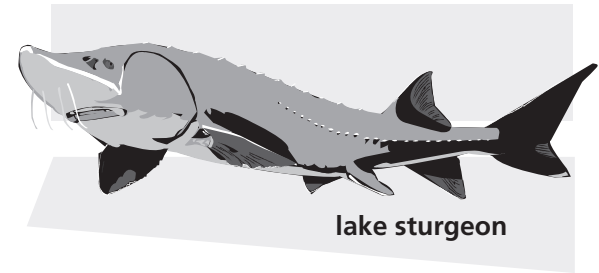
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## Namekagon River Map 3: Trego to Riverside Landing



*The Namekagon River is named after an Ojibwe word meaning “place where the sturgeon are.” Look for them resting under overhanging river banks.*

### In This Stretch

- Downstream of **County Road K Landing** the river is narrow and contains riffles.
- Downstream of **Howell Landing** the river is somewhat rocky until you pass Highway 77, then it becomes sandy.
- **Fritz Landing** can be hard to see. Watch for a small island and use the left channel if taking out there.
- The river widens after **McDowell Bridge Landing**. After **Namekagon Trail Landing** the river becomes rockier with riffles and there are several Class I rapids before the confluence.
- The St. Croix River has a rocky bottom and is shallow, making it challenging during low water conditions. There are more rapids as you approach **Riverside Landing**.
- **ALERT:** Construction of US 53/63 Trego Interchange will occur through 2022. See map side for further information.

# St. Croix National Scenic Riverway

## Namekagon River Map 3: Trego to Riverside Landing

Namekagon River Visitor Center  
 Highway 63, half mile east of Highway 53  
 Trego, Wisconsin  
 715-635-8346

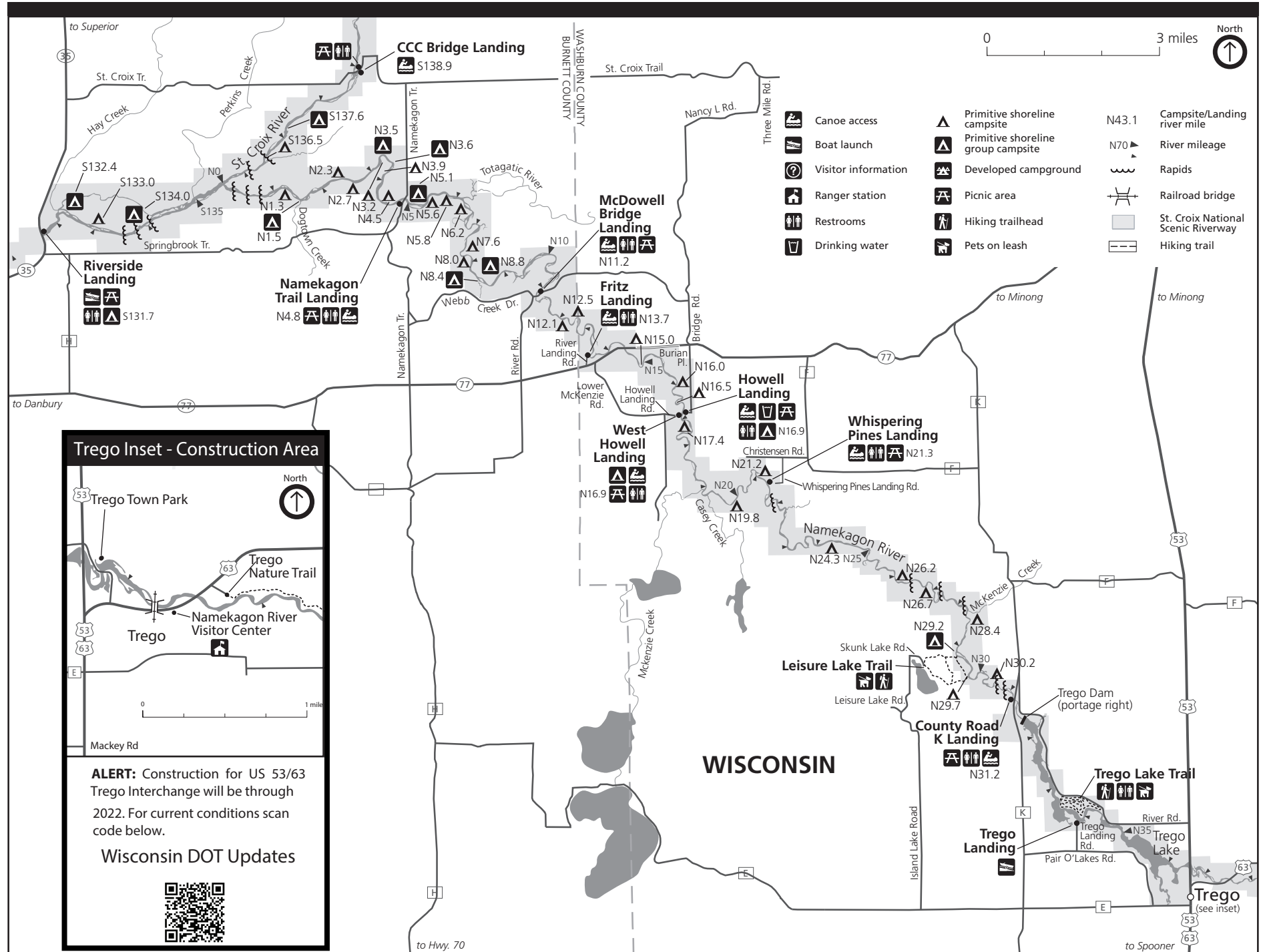
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 Call 715-483-2274

# FIND YOUR PARK



**Trego Inset - Construction Area**

**ALERT:** Construction for US 53/63 Trego Interchange will be through 2022. For current conditions scan code below.

Wisconsin DOT Updates

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### Regulations

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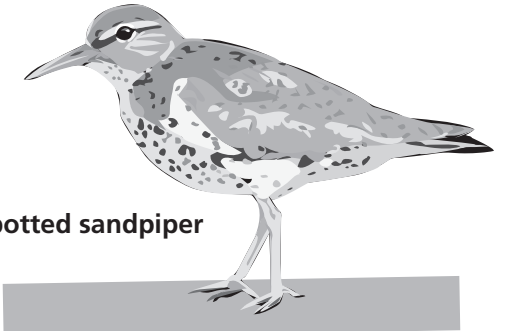
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## St. Croix River Map 4: Gordon Dam to Riverside Landing



spotted sandpiper

*Often seen making short flights ahead of vessels, spotted sandpipers are the most common shorebird on the rivers.*

### In This Stretch

- This stretch can be very challenging in low water conditions causing paddlers to continually dodge large rocks and boulders.
- Approximately 300 yards of boulders, plus Class I and II rapids come up suddenly before the **Scott Bridge**. It is best to paddle to the left.
- You can sometimes run the chute of **Coppermine Dam**, but make sure you scout it first or use the portage on the right.
- Winding Class I and II rapids at **Fish Trap Rapids** are considered the most challenging on the Riverway, and no portage exists.
- A smaller set of Class I rapids called **Little Fish Trap Rapids** exists right before the **CCC Bridge Landing**.
- There are more rapids around **Big Island** and as you approach **Riverside Landing**.

# St. Croix National Scenic Riverway

## St. Croix River Map 4:

### Gordon Dam to Riverside Landing

Namekagon River Visitor Center  
Highway 63, half mile east of Highway 53  
Trego, Wisconsin  
715-635-8346

For Current River Conditions  
Visit [www.nps.gov/sacn/planyourvisit/current-conditions.htm](http://www.nps.gov/sacn/planyourvisit/current-conditions.htm)  
Call 715-483-2274

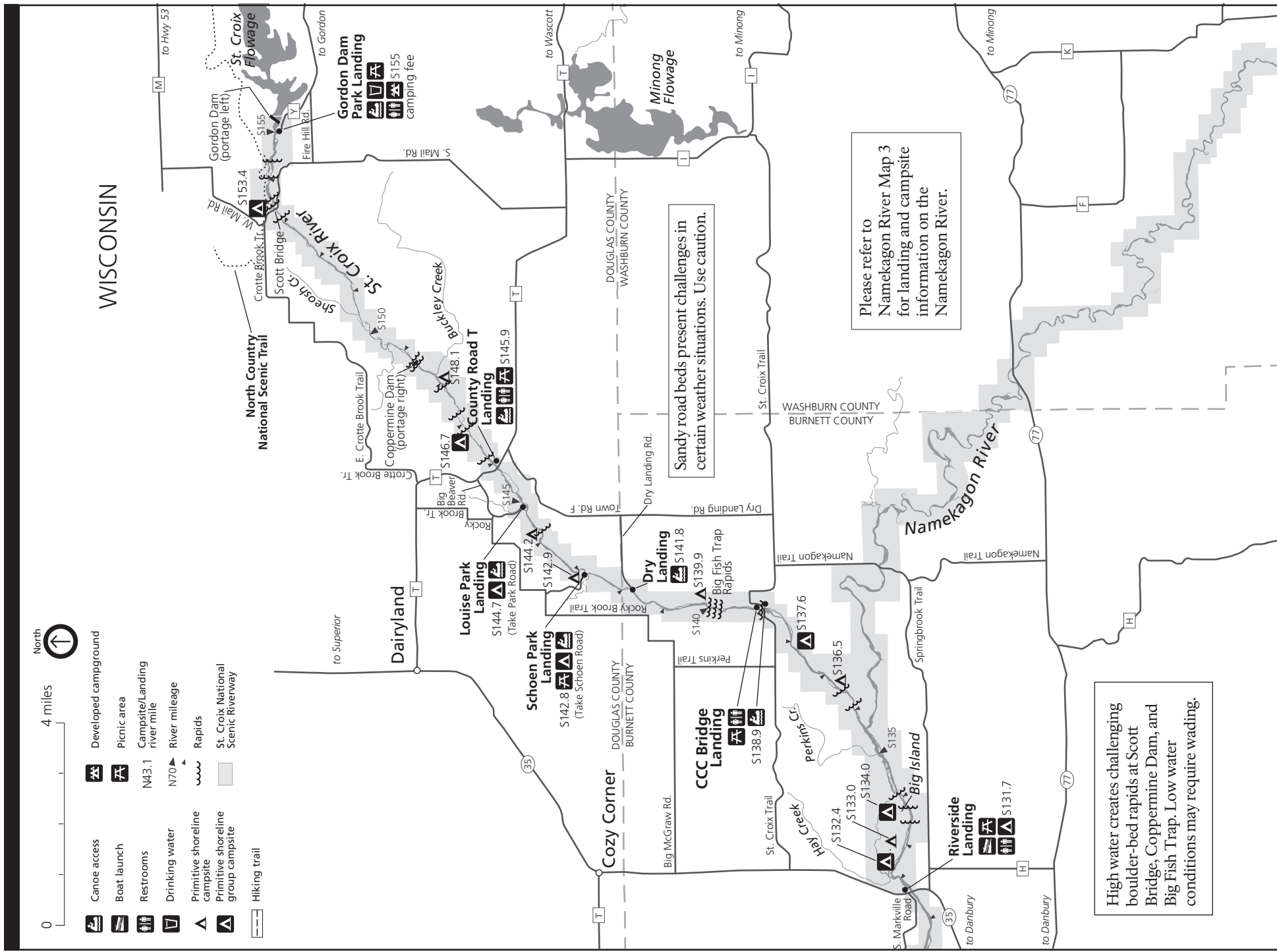
[www.nps.gov/sacn](http://www.nps.gov/sacn)

[www.facebook.com/StCroixNSR/](http://www.facebook.com/StCroixNSR/)

# FIND YOUR PARK



**Emergencies call 911**  
**See a problem? 1-800-PARKTIP**



**APPENDIX E-29**

**Recreation Study Report**





# **Recreation Report for the Hayward Hydroelectric Project (FERC No. 2417) and Trego Hydroelectric Project (FERC No. 2711)**

*Prepared for*

Northern States Power Company – Wisconsin  
P.O. Box 8  
Eau Claire, Wisconsin 54702

*Prepared by*

EA Engineering, Science, and Technology, Inc., PBC  
444 Lake Cook Road, Suite 18  
Deerfield, IL 60015

March 2023  
Version: FINAL  
EA Project No. 16154.02

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## **LIST OF ACRONYMS AND ABBREVIATIONS**

ATV – All terrain vehicle

AIS – Aquatic Invasive Species

FERC, Commission – Federal Energy Regulatory Commission

NPS – National Park Service

NSPW, Applicant – Northern States Power Company-a Wisconsin corporation

SCORP – Statewide Comprehensive Outdoor Recreation Plan

TLD – Trego Lake District

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## 1. INTRODUCTION

Northern States Power Company – Wisconsin (NSPW or Licensee), currently holds licenses issued by the Federal Energy Regulatory Commission (FERC or Commission) to operate and maintain the Hayward and Trego Hydroelectric Projects (Projects). The Projects are owned, operated, and maintained by the Licensee. The current licenses, which designate the Projects as FERC Nos. 2417 (Hayward) and 2711 (Trego), expire on November 30, 2025. To obtain subsequent licenses, the Licensee must submit final license applications to FERC no later than November 30, 2023. The final license applications, in part, must include an evaluation of the existing recreational facilities associated with each Project along with proposed recreation enhancements.

The Projects are located on the Namekagon River in Sawyer County (Hayward) and Washburn County (Trego) in Wisconsin. The Namekagon River is a 99.5-mile-long northern tributary to the St. Croix River and is protected by the National Park Service (NPS) under the St. Croix National Scenic Riverway (Figure 1-1). The river is classified as Class I-II rapids. It is generally shallow with a rocky bottom. There are ample opportunities for fishing, wildlife viewing, water sports, and paddling on the Namekagon River.

In March 2019, the State of Wisconsin published its Statewide Comprehensive Outdoor Recreation Plan (SCORP) for 2019-2023. The SCORP identifies recreation needs by region rather than specific sites or Project areas. The SCORP places an emphasis on nature-based recreational opportunities including hiking, fishing, and boating. For both Projects, the Licensee currently provides a carry-in access on the reservoir, a tailrace fishing area downstream of the powerhouse, and a canoe portage that helps fulfill recreation needs. These recreational opportunities are consistent with the SCORP.

Hydro operations, including fluctuations in reservoir elevation, and insufficient public access, can limit recreational opportunities. Adequate information is necessary to determine what impacts may be occurring from hydro operations as well as which recreational opportunities may be enhanced. The existing recreational facilities within the Projects were evaluated for recreational use and improvements.

The goals of the 2022 Hayward and Trego Recreation Study were to:

- obtain a subjective assessment of recreation facility conditions and needed enhancements;
- determine capacity of existing facilities to address current and future user demand; and
- provide sufficient information to evaluate impacts and provide rationale for recreation enhancement recommendations.

The results of the Hayward and Trego Recreation Study are presented herein and include the following items:

- recreation counts based on the data collected in 2022;
- recreation trends by activity and season;
- a discussion of the adequacy of the recreational facilities in the project area to meet recreational demand;
- recommendations to accommodate recreational needs in the project area.



Figure 1-1 Hayward and Trego Project Site Locations

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## 2. METHODS

This section describes the methods used to collect, summarize, and extrapolate the recreation data collected in 2022. Each subsection focuses on the different types of data and information collected.

### 2.1 RECREATION INVENTORY

An inventory of public and private recreational facilities near the Projects (Figures 2-1 and 2-2) was created using maps and aerial images of the area, internet resources, and interviews. Section 3 describes each of the following public recreational facilities:

- Hayward Canoe Portage Take-Out and Carry-In Reservoir Access – NSPW facility
- Hayward Canoe Portage Trail and Put-In – NSPW facility
- Hayward Informal Tailwater Bank Fishing Area – NSPW facility
- Hayward City Boat Landing
- Hayward City Beach & Barrier-Free Fishing Pier
- Hayward Bartz’s Bay Informal Ice Fishing Access<sup>1</sup>
- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access (Canoe Portage) – NSPW facility
- Trego South Tailwater Access – NSPW facility

The recreation facilities were inventoried during one of the recreational use surveys, using the forms included in Appendix 1, to collect information on recreation amenities and capacity. The following types of information were recorded:

- 1) The primary type(s) of recreation provided at the site.
- 2) Existing sanitation facilities (if any).
- 3) Type of vehicle access and parking capacity (if any).
- 4) The presence and type (if any) of barrier-free facilities.
- 5) The geolocation of the facility.
- 6) Signage
- 7) Photographs of each recreation site, each amenity and sign, the entryways to primary recreation sites from the main road(s), and any adverse impacts from the site on the surrounding environment, including shoreline erosion.

### 2.2 FACILITY CONDITION ASSESSMENT

The condition of each amenity or feature at each facility (including recreational wayfinding signs and interpretive signs) and its immediate vicinity were assessed during one of the site visits. Each facility was assigned a rating according to the following scale:

---

<sup>1</sup> Bartz’s Bay Informal Ice Fishing Access was surveyed during the January and February survey periods only.

- 1) Missing and Needs Replacement
- 2) Not Usable and Needs Replacement
- 3) Needs Repair
- 4) Needs Maintenance or cleaning
- 5) Good Working Condition (does not need any attention)

If a rating warranted additional attention, that specific item was noted on the form.

### 2.3 RECREATION USE SURVEY

Recreation use surveys were conducted at each of the recreation sites listed in Section 2.1. The surveys lasted a minimum of one hour per site and were conducted between the hours of 7:00 a.m. and 7:00 p.m. Surveys were completed on a rotating schedule to avoid from being conducted at the same time of the day and to account for time-of-day use patterns. The use survey form included in Appendix 1 was administered to gather opinions about the existing recreation facilities and opportunities. The surveyor recorded the number of people in a party, their primary reason for visiting the site, their perception of level of use, and their opinions regarding the amount and types of recreation opportunities offered within the proposed Project vicinity. The recreation use surveys were conducted according to the following schedule in Table 2-1.

**Table 2-1. Recreation Use Survey Schedule.**

<b>Survey Month/Season</b>	<b>Recurrence Interval</b>
January	One randomly selected weekend day. One randomly selected weekday.
February	One randomly selected weekend day One randomly selected weekday
April	One randomly selected weekend day.
May	One randomly selected weekend day. One day during Memorial Day weekend.
June	One randomly selected weekday. Two randomly selected weekend day.
July	One randomly selected weekday. One <sup>2</sup> randomly selected weekend day.
August	One randomly selected weekday. Two randomly selected weekend day.
September	One weekend day the weekend following Labor Day weekend.

The recreation surveys provided the information necessary to estimate the use at each site (Section 5.1).

<sup>2</sup>Two randomly selected weekend days were planned; however, only one was completed due to unavoidable staffing shortages.

## **2.4 RECREATION SPOT COUNTS**

Upon arriving at each recreation site where recreation use surveys were collected, a spot count was conducted using the form enclosed in Appendix 1. The information was then analyzed to assess recreational use and is summarized in Section 5.2 by month, season, and type of activity.

## **2.5 FUTURE AND POTENTIAL RECREATION**

To assess future recreation needs within the Project vicinity, a questionnaire was sent to municipalities and other entities responsible for existing recreation within the Project vicinity (Appendix 2). Specifically, the questionnaire was sent to the City of Hayward, Hayward Area Chamber of Commerce, and Sawyer County for the Hayward Project and the Town of Trego, Trego Lake District, and Washburn County for the Trego Project. The questionnaire was also sent to the NPS St. Croix National Scenic Riverway for both Projects. Each entity was given 30 days to respond to the questionnaire and their responses were incorporated into the Future and Projected Use evaluation (Section 5.3).

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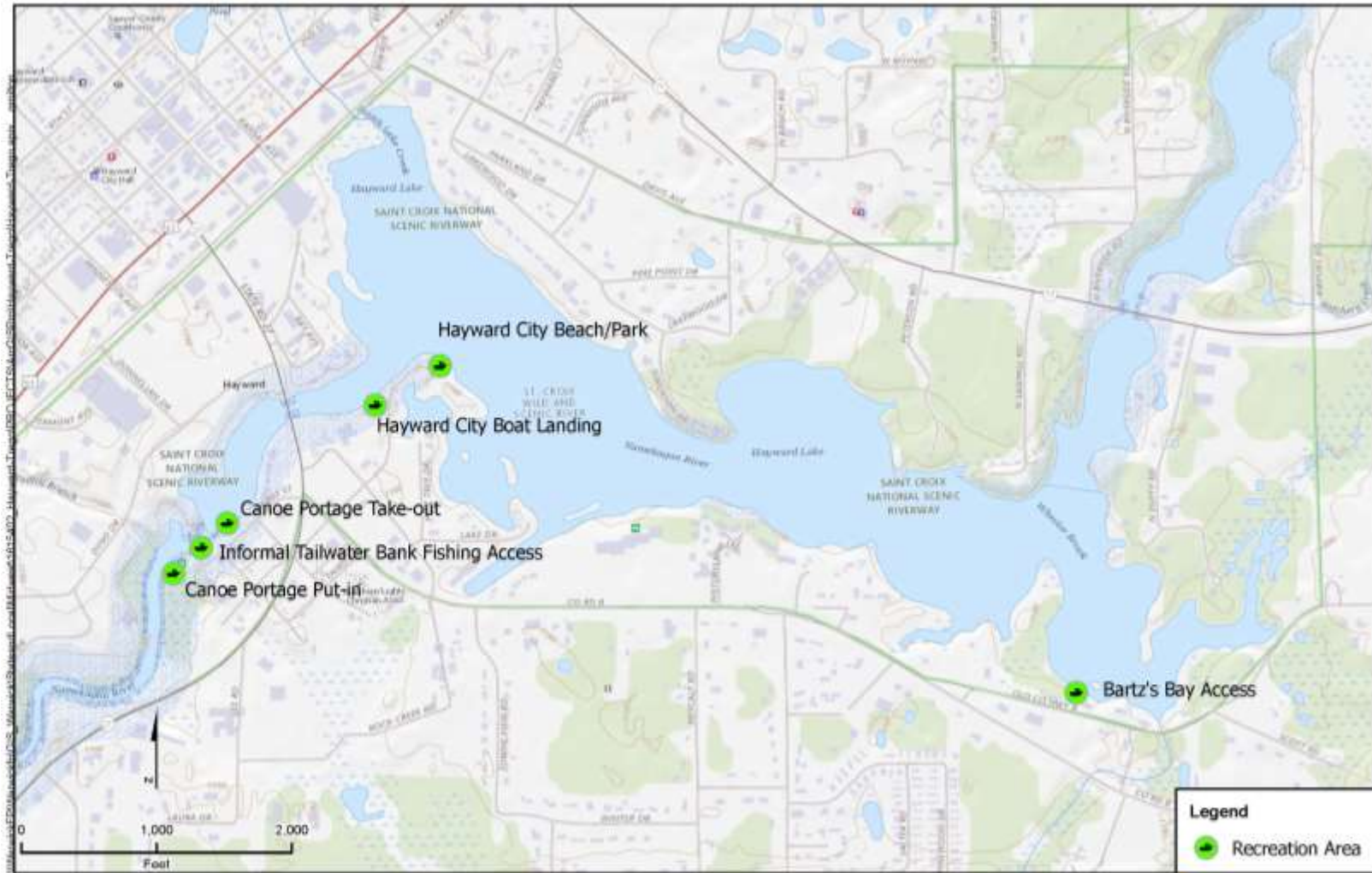
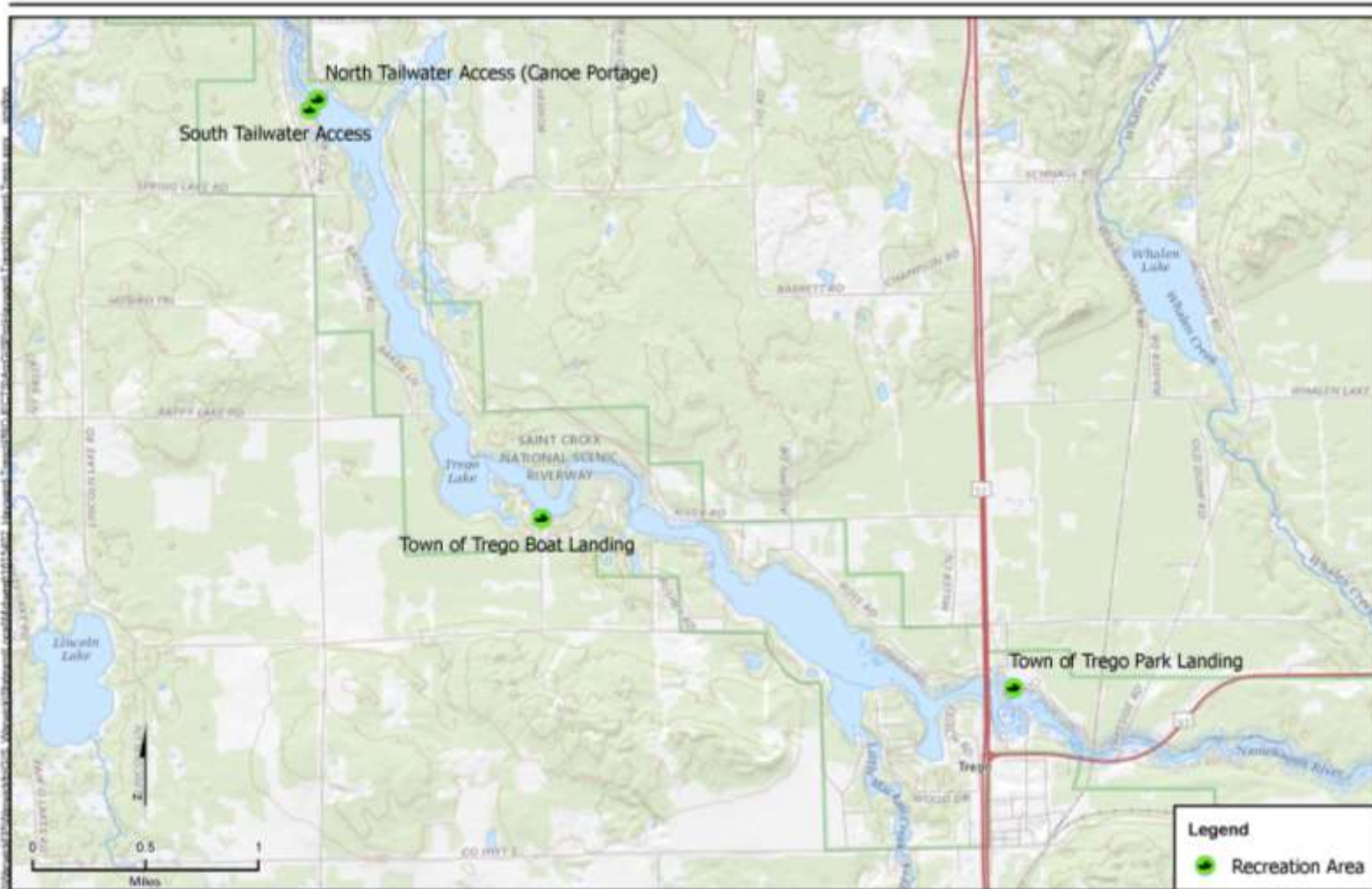


Figure 2-1. Hayward Project Recreation Facilities.



**Figure 2-2. Trego Project Recreation Facilities.**

### **3. DESCRIPTIONS OF RECREATIONAL FACILITIES AT THE HAYWARD PROJECT**

The public recreational facilities listed in the approved study plan are described below along with a discussion of their use and adequacy. Facility locations are depicted in Figures 2-1, 2-2, and 3-1 through 3-3.

#### **3.1 HAYWARD CANOE PORTAGE TAKE-OUT AND CARRY-IN RESERVOIR ACCESS**

NSPW owns and maintains the canoe portage take-out and carry-in access just upstream of the spillway along the east shoreline of Lake Hayward (Figure 3-1). The access enables recreationists to safely launch small craft on, and disembark from, Lake Hayward. The canoe portage take-out and carry-in access was refurbished in 2019 and features a parking area, informational Project signage, and timber step approach to and from the water. The parking area is shared with the informal tailwater bank fishing area and can accommodate approximately 20 vehicles. There is no fee associated with the use of this area.

#### **3.2 HAYWARD CANOE PORTAGE TRAIL AND PUT-IN**

NSPW owns and maintains the canoe portage trail and put-in along the east side of the Project (Figure 3-1). The canoe portage trail proceeds from the take-out in a southwesterly direction, along South 1<sup>st</sup> Street and a gravel road, approximately 600 ft. to the short trail leading from the road to the put-in downstream of the Project tailwater. When combined with the Hayward canoe portage take-out, the trail and put-in enable canoers/kayakers to safely bypass the Hayward Dam. Access between the take-out and put-in is available both to users that are walking and driving. Parking is available for approximately six vehicles along the gravel loop road that terminates at the put-in trail. As with the take-out, there are no fees associated with recreational the use of this area.

#### **3.3 HAYWARD INFORMAL TAILWATER BANK FISHING AREA**

NSPW owns and maintains an informal tailwater shoreline fishing area on the east side of the Namekagon River, approximately 270 feet downstream of the canoe portage take-out and carry-in access (Figure 3-1). The informal tailwater access features an area for parking and tiered (i.e., terraced) approach to and from the river. The parking area is shared with the canoe portage take-out and carry-in access and can accommodate approximately 20 vehicles. There is no fee associated with the use of this area.

#### **3.4 HAYWARD CITY BOAT LANDING**

The City of Hayward owns and maintains this single launch boat landing on the south side of the lake (Figure 3-2). It is the only public, trailer-accessible boat landing on the lake. The landing consists of a cement launch pad with paved approach and dock with gravel approach. The City maintains a “lifejacket loaner” stand to encourage recreationists to use lifejackets when on Lake

Hayward. A light pole situated in the parking area provides lighting during the evening hours. The adjacent gravel parking lot is large enough to accommodate approximately 20 vehicles or 10 vehicles with trailers. The parking lot also serves as overflow parking for users of the beach and park area. The City does not charge a fee for the use of this launch and no other amenities are present.

### **3.5 HAYWARD CITY BEACH AND BARRIER-FREE FISHING PIER**

The City of Hayward owns the City beach and park on the south side of the lake (Figure 3-2). It consists of a 100-foot sand beach with designated swimming area, changing rooms, restroom facilities, shelter, playground, park bench with solar-powered charging station, six picnic tables near the beach and playground, seven tables in the picnic area with charcoal grills, and shore fishing opportunities. The area also features a walking bridge and an Americans with Disabilities Act (ADA) compliant fishing pier. A paved parking lot is provided that can accommodate 24 vehicles with two parking spots being designated for handicap access. There is no fee associated with the use of the park or beach.

### **3.6 HAYWARD BARTZ'S BAY INFORMAL ICE FISHING ACCESS**

The Bartz's Bay informal ice fishing access was only visited for the recreation survey during January and February since it is a winter recreation access (Figure 2-1). The Bartz's Bay informal ice fishing access is located off a local road, Chippewa Trail, that is popular with ice anglers in the winter who wish to walk out to ice fish. The informal access consists of an unimproved trail on private land, between two residential lots. Ice anglers park their vehicles along Chippewa Trail, predominantly on the southwest side, which is snow-plowed wider at the access point to accommodate approximately six vehicles.

### **3.7 TOWN OF TREGO PARK BOAT LANDING**

The Town of Trego owns and maintains a small boat landing adjacent to the Town Park campground located on the north shore of the Namekagon River, east of U.S. Highway 53, at the end of Cash Road (Figure 2-2). The access consists of a single-lane boat ramp composed of concrete planks with a gravel driveway and no dock. The landing is small and shallow and is primarily used as a put-in and take-out for canoers and kayakers. Shallow water between this landing and the main flowage excludes the use of larger motorized watercraft. Cash Road and the parking area can accommodate 20 vehicles or six vehicles with trailers, primarily along the margin. There is no user fee for the landing.

### **3.8 TOWN OF TREGO BOAT LANDING**

The Town of Trego owns and maintains a single-lane boat launch along the south shore of the middle portion of Trego Flowage (Figure 2-2). It is the only public landing on the flowage and consists of a single cement launch, paved approach, and dock. The landing is sufficient to launch larger motorized boats. Parking is available along the shoulders of Trego Landing Road and can

accommodate eight vehicles or two vehicles with trailers. There is space designated as handicap parking that can accommodate two vehicles. There is no user fee for this launch.

### **3.9 TREGO NORTH TAILWATER ACCESS (CANOE PORTAGE)**

NSPW owns and maintains an area north of the Trego Dam that serves both as a canoe portage and tailwater fishing access (Figure 3-3). The take-out for the canoe portage is located along the northwest shore of Trego Flowage, immediately north of the Trego Dam buoyed exclusion zone. From the take-out, the portage trail follows a west-southwesterly direction for approximately 325 ft. to the downstream put-in, adjacent to the north tailwater access. The portage enables users travelling from upstream-to-downstream to safely bypass the dam. The north tailwater fishing access consists of a concrete retaining wall with safety railing along the river. Parking for the area is available along the shoulder of River Road as well as the gravel approach to the north access gate. There is space for approximately eight vehicles. A portable lavatory is provided and maintained between the portage take-out or parking area and tailwater access. There are no fees associated with the use of these areas.

### **3.10 TREGO SOUTH TAILWATER ACCESS**

NSPW owns and maintains an area southwest of the Trego Dam that provides access to the south tailwater (Figure 3-3). Access to the south tailwater is provided via two metal staircases. The upper staircase is located near the southwest corner of the Project's powerhouse while the lower staircase is closer to river level. The lower staircase provides access to a concrete retaining wall with safety railing along the river. Parking for up to four vehicles is available in an area off the north end of Ricci Road, southwest of the south Project's access gate. There is no fee associated with the use of this area.



**Figure 3-1. Hayward Project Recreation Facilities - Tailwater Areas**



**Figure 3-2. Hayward Project Recreation Facilities – Upstream Areas.**



**Figure 3-3. Trego Project Recreation Facilities – Canoe Portage and Tailwater Access**



## **4. RESULTS OF RECREATION INVENTORY AND CONDITION ASSESSMENTS**

As part of the recreation inventory and recreation assessments of facilities near the Hayward and Trego Projects, photographs were taken of amenities and observations were recorded on data sheets. A photolog of amenities for each of the facilities inventoried and assessed is presented as Appendix 3. Likewise, data sheets used in the inventory and assessment are provided as Appendix 4.

### **4.1 HAYWARD CANOE PORTAGE TAKE-OUT AND CARRY-IN RESERVOIR ACCESS**

#### Condition of Amenities

The amenities at the Hayward canoe portage take-out and carry-in reservoir access, as described in Section 3.1, were assessed as being in good condition in 2022. Amenities and signage associated with the Hayward canoe portage take-out and carry-in reservoir access are presented as Photographs 1 through 13 in Appendix 3.

#### Parking

The Hayward canoe portage take-out and carry-in reservoir access parking is an unpaved area. While there are no designated parking spaces, there is room to park approximately 20 vehicles.

#### Signage

Signage at the facility includes a directional FERC Project sign that identifies the Hayward Project and displays the nearby recreational resources. Directional signs face the water to inform paddlers of the take-out location and, on the shoreline, display the direction of the portage trail. Additional signage identifies hazards, informs the public of private property, and provides details on normal pond elevation. The signage associated with the portage take-out and carry-in access was considered to be comprehensive and in good condition during 2022.

### **4.2 HAYWARD CANOE PORTAGE TRAIL AND PUT-IN**

#### Condition of Amenities

The Hayward canoe portage trail and put-in amenities described in Section 3.2 were evaluated as being primarily in good condition. However, due to one sign as described below, the location was rated as needing maintenance. Amenities at the Hayward canoe portage trail and put-in are depicted in Photographs 14 through 25 in Appendix 3.

### Parking

There are no designated parking spaces near the Hayward canoe portage put-in. However, the area can accommodate approximately six vehicles along the gravel loop road that terminates at the put-in trail. Additional parking is available a short distance away, near the take-out.

### Signage

The canoe portage trail signage consists of a sign near the take-out directing paddlers to the put-in as well as a sign near the trail leading to the river put-in. The signage is in generally good condition and the trail is clearly marked. The only exception is the invasive species sign that was vandalized and observed in the river. The sign is not owned by NSPW nor is it a FERC requirement to have it at this facility. While the existing signage is in good condition, the present condition of the invasive species sign resulted in a “in need of maintenance” rating.

## **4.3 HAYWARD INFORMAL TAILWATER BANK FISHING AREA**

### Condition of Amenities

The Hayward informal tailwater shoreline fishing area amenities described in Section 3.3 were assessed as being in good condition during 2022. Amenities at the Hayward informal tailwater bank fishing area are depicted as Photographs 26 through 37 in Appendix 3.

### Parking

There are no designated parking spaces for the Hayward informal tailwater bank fishing access. A parking area is shared with the Hayward canoe portage take-out and carry-in reservoir access which can accommodate approximately 20 vehicles.

### Signage

Due to the informal nature of the access, signage specific to the Hayward informal tailwater bank fishing access is not provided.

## **4.4 HAYWARD CITY BOAT LANDING**

### Condition of Amenities

The amenities at the Hayward City Boat Landing, as described in Section 3.4, were assessed as being in good condition during 2022. The facility’s amenities are depicted in Photographs 38 through 47 of Appendix 3.

### Parking

There are no designated parking spaces at the Hayward City Boat Landing; however, the available space can accommodate 20 vehicles or 10 vehicles with trailers.

### Signage

All signage associated with the Hayward City Boat Landing was rated as being in good condition. Signage includes interpretive and regulation signs. The interpretive signage is related to the Namekagon River being designated a National Scenic River. The regulation signage provides information on fish species bag and size limits as well as invasive species control. Additionally, the City maintains a “lifejacket loaner” stand to encourage recreationists to use lifejackets when on or around Lake Hayward.

## **4.5 HAYWARD CITY BEACH AND BARRIER-FREE FISHING PIER**

### Condition of Amenities

All amenities at the Hayward City Beach and Barrier-Free Fishing Pier, described in Section 3.5, were assessed as being in good condition during 2022. Amenities at the Hayward City Beach and Barrier-Free Fishing Pier are included as Photographs 48 through 67 of Appendix 3.

### Parking

Central to the beach, park, and picnic area, the City provides a paved parking lot that can accommodate 24 vehicles including two parking spots being designated for handicap access.

### Signage

Signage is restricted to areas within the Hayward City Beach and Park. Signs are largely related to regulations and include beach rules, restricted motor vehicle access, and handicap parking. All signage was in good condition.

## **4.6 HAYWARD BARTZ’S BAY INFORMAL ICE FISHING ACCESS**

### Condition of Amenities

The limited amenities of the Bartz’s Bay Informal Ice Fishing Access, as described in Section 3.6, were assessed as being in good condition during 2022. Photographs 68 through 71 of Appendix 3 depict the amenities at the facility.

### Parking

No designated parking spaces are associated with the Bartz's Bay Informal Ice Fishing Access. Parking is available on the shoulder of Chippewa Trail, along the southwest side, which is snow-plowed wider at the access point to accommodate approximately six vehicles

### Signage

No signage is associated with the Bartz's Bay Informal Ice Fishing Access.

## **4.7 TOWN OF TREGO PARK BOAT LANDING**

### Condition of Amenities

The amenities at the Town of Trego Park Boat Landing, described in Section 3.7, were assessed as being in good condition during 2022. Photographs 72 through 81 of Appendix 3 depict the amenities at the Town of Trego Park Boat Landing.

### Parking

The Town of Trego Park Boat Landing does not have delineated spaces in the gravel parking lot; however, the area can accommodate up to 20 vehicles or six vehicles with trailers.

### Signage

Signage at the Town of Trego Park Boat Landing consists of both regulation (i.e., no camping) and directional signs. The "no camping" wood sign was in poor condition. However, a newer metal sign nearby was in good condition as were the directional signs to the landing from both the Trego Campground Road and the Namekagon River.

## **4.8 TOWN OF TREGO BOAT LANDING**

### Condition of Amenities

The amenities at the Town of Trego Boat Landing, described in Section 3.8, were assessed as being in good condition during 2022. Photographs 82 through 93 of Appendix 3 depict the amenities at the facility.

### Parking

The Town of Trego Boat Landing parking area can accommodate eight vehicles or two vehicles with trailers. A handicap parking space is designated and can accommodate two vehicles or one vehicle with a trailer.

## Signage

Signage at the Town of Trego Boat Landing is almost entirely related to regulations. Regulation signs consist of fishing regulations, invasive species control, no fireworks, no personal watercraft, no power loading, no parking, and handicap parking. The signs were considered to be in good condition during 2022.

### **4.9 TREGO NORTH TAILWATER ACCESS (CANOE PORTAGE)**

#### Condition of Amenities

The amenities at the Trego North Tailwater Access (Canoe Portage), described in Section 3.9, were assessed as being in good condition during 2022. Photographs 94 through 119 of Appendix 3 depict the amenities at the facility.

#### Parking

There are no designated parking spaces for the Trego North Tailwater Access (Canoe Portage). Users may park along the shoulder of River Road as well as the gravel approach to the north Project access gate. Collectively, there is space for approximately eight vehicles.

#### Signage

Signage at Trego North Tailwater Access (Canoe Portage) includes directional and interpretive signs. Directional signage indicates the canoe portage take out as well as direction of the portage trail. Interpretive signage is provided to inform visitors of the hazards associated with the Project tailwater area. The signs were considered to be in good condition during 2022.

### **4.10 TREGO SOUTH TAILWATER ACCESS**

#### Condition of Amenities

The amenities at the Trego South Tailwater Access, described in Section 3.10, were assessed as being in good condition during 2022. Photographs 120 through 133 of Appendix 3 depict the amenities at the Trego South Tailwater Access.

#### Parking

There are no designated parking spaces for the Trego South Tailwater Access; however, parking for up to four vehicles is available in an area off the north end of Ricci Road, southwest of the south access gate for the Project.

## Signage

Signage at Trego South Tailwater Access includes a FERC Project sign and interpretive signs. The FERC Project sign is located to the east of the south project access gate. Interpretive signage is provided to inform visitors of the hazards associated with the Project tailwater area. The signs were considered to be in good condition during 2022.

### **4.11 SUMMARY**

The existing amenities of the 10 surveyed recreation resources near the Hayward and Trego Projects were rated as in good condition (Appendix 3). No deficiencies that NSPW is responsible for were identified as part of the recreation inventory and condition assessment.

## 5. SUMMARY OF RECREATIONAL USE

### 5.1 RECREATIONAL USE SURVEYS

This section provides a summary of the data gathered from interviews with recreational users regarding the recreational facilities and opportunities near the Hayward and Trego Projects (Appendix 5). Recreational surveys were conducted over 16 days at each of the two project areas between January and September 2022. The surveys were conducted on weekdays, weekends, and holidays with the number of surveys varying by month throughout the period. Surveys near the Hayward Project were conducted at six locations in January and February. Bartz's Bay Informal Ice Fishing Access was not surveyed in April through September. Four locations were surveyed near the Trego Project throughout the study period. Collectively, the 16 surveys at each project yielded 73 total visitor interviews.

Of the 73 recreation users that were interviewed, 44 visitors were interviewed at recreation locations associated with the Hayward Project (Table 5-1).

**Table 5-1. Recreational use based on user interviews, Hayward Project  
(January-February, April-September 2022)**

Month	Surveys	Bartz's Bay	Hayward Canoe Portage Take Out	Hayward Canoe Portage Trail Put In	Hayward Informal Tail Access	City of Hayward Boat Landing	City of Hayward Beach/Pier	Total by Month	Average by Month & No. Surveys
January	2	1	0	0	0	2	0	3	1.50
February	2	0	0	0	0	0	0	0	0.00
April	1	--	0	0	0	0	2	2	2.00
May	2	--	0	1	1	0	0	2	1.00
June	3	--	0	0	0	2	8	10	3.33
July	2	--	1	0	0	0	6	7	3.50
August	3	--	2	0	2	1	9	14	4.67
September	1	--	1	0	0	3	2	6	6.00
<b>Total</b>	<b>16</b>	<b>1</b>	<b>4</b>	<b>1</b>	<b>3</b>	<b>8</b>	<b>27</b>	<b>44</b>	

The City of Hayward Beach and Fishing Pier produced over half of the visitor interviews followed by the City of Hayward Boat Landing. The fewest interviews were conducted at the Bartz's Bay informal ice fishing access and Hayward Canoe Portage Trail and Put-In. The greatest number of visitors were interviewed in August while the single survey in September produced the highest average number of interviews per survey event.

The four recreation sites associated with the Trego Project yielded 29 user interviews over 16 surveys (Table 5-2).

**Table 5-2. Recreational use based on user interviews, Trego Project  
(January-February, April-September 2022)**

Month	Surveys	Town of Trego Park Boat Landing	Town of Trego Boat Landing	Trego North Tailwater Access (Canoe Portage)	Trego South Tailwater Access	Total by Month	Average by Month & No. Surveys
January	2	0	0	0	0	0	0.00
February	2	0	0	0	0	0	0.00
April	1	0	0	0	1	1	1.00
May	2	2	0	3	1	6	3.00
June	3	1	2	0	3	6	2.00
July	2	0	1	0	3	4	2.00
August	3	2	0	3	3	8	2.67
September	1	1	0	2	1	4	4.00
<b>Total</b>	<b>16</b>	<b>6</b>	<b>3</b>	<b>8</b>	<b>12</b>	<b>29</b>	

The two tailwater access points were the most popular recreation areas near the Trego Project with 12 and eight visitors being interviewed at the South Tailwater Access and North Tailwater Access, respectively. The fewest interviews were conducted at the Town of Trego Boat Landing. Similar to the Hayward Project, August had the highest number of visitors and the single survey in September again produced the highest average number of interviews per survey event.

Collectively, weekends produced more interviews compared to weekdays for both projects; however, this was more apparent for the Trego Project (Table 5-3). Only slightly more visitors were encountered during weekend surveys compared to weekdays at the Hayward Project. In contrast, more than double the visitors were interviewed on weekend days compared to weekdays at Trego.

Seasonally, the four surveys in January and February yielded three interviews, all at the Hayward Project. By comparison, spring and summer had substantially more visitors with 27 and 43 interviews conducted, respectively. At Hayward, 27 interviews were conducted during the summer period compared to 14 interviews during the spring months. Spring and summer were more evenly split at the Trego Project with spring producing 13 visitor interviews and summer 16.



**Table 5-3. Recreational use by type of day, Hayward and Trego Projects  
(January-February, April-September 2022)**

Season	Month	Surveys	Hayward Project		Trego Project		Total	
			Weekday	Weekend	Weekday	Weekend	Monthly	Seasonally
Winter	January	2	0	3	0	0	3	3
	February	2	0	0	0	0	0	
Spring	April	1	0	2	0	1	3	27
	May	2	0	2	0	6	8	
	June	3	6	4	4	2	16	
Summer	July	2	7	0	4	0	11	43
	August	3	5	9	1	7	22	
	September	1	1	5	0	4	10	
Year	<b>Total</b>	<b>16</b>	<b>19</b>	<b>25</b>	<b>9</b>	<b>20</b>	<b>73</b>	<b>73</b>
	<b># Days</b>		<b>6</b>	<b>10</b>	<b>6</b>	<b>10</b>	<b>16</b>	
	<b>Ave. Per</b>		<b>3.17</b>	<b>2.50</b>	<b>1.50</b>	<b>2.00</b>	<b>4.56</b>	

Visitors were asked which of nine activities they participated in during their visit. At the Hayward Project, each of the nine activities was identified as the primary activity by at least one individual (Table 5-4). The most popular activities at Hayward were shoreline/tailwater fishing (24% of the respondents), swimming (24% of the respondents), and other (22% of the respondents).

**Table 5-4. Activities during visit to the Hayward Project Area  
(January-February, April-September 2022)**

Location	Shore fishing	Boat Fishing	Motorized Boating	Paddling	Swim	Picnic	Wildlife Viewing	Ice Fishing	Other
Bart's Bay	0	0	0	0	0	0	0	1	0
Hayward Portage Take Out	1	0	1	1	0	0	0	0	2
Hayward Portage Trail/Put In	1	0	0	0	0	0	0	0	0
Hayward Informal Tailwater Access	2	0	0	0	0	0	1	0	0
City of Hayward Boat Landing	3	4	1	0	1	0	0	2	0
City of Hayward Beach/Fishing Pier	5	0	1	1	11	1	1	1	9
<b>Total</b>	<b>12</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>12</b>	<b>1</b>	<b>2</b>	<b>4</b>	<b>11</b>

Shoreline/tailwater fishing was a popular recreation activity for all locations except at Bart's Bay. In contrast, those who responded that swimming or other was their primary activity were mostly interviewed at the City of Hayward beach and fishing pier. Dog walking was the activity for the majority of visitors that identified their primary activity as other.

Five of the nine activities were identified as the primary activity by visitors to the Trego Project area (Table 5-5). Over 50% percent of visitors at the Trego Project were participating in shoreline/tailwater fishing and most of those respondents were divided between the Trego North Tailwater Access and Trego South Tailwater Access. Motorized boating and non-motorized boating were the second and third most popular activities.

**Table 5-5. Activities during visit to the Trego Project Area  
(January-February, April-September 2022)**

<b>Location</b>	<b>Shore fishing</b>	<b>Boat Fishing</b>	<b>Motorized Boating</b>	<b>Paddling</b>	<b>Swim</b>	<b>Picnic</b>	<b>Wildlife Viewing</b>	<b>Ice Fishing</b>	<b>Other</b>
Trego Park Boat Landing	4	0	4	3	0	0	0	0	0
Trego Boat Landing	0	1	2	1	0	0	0	0	0
Trego North Tailwater Access/Canoe Portage	7	0	0	0	0	0	0	0	1
Trego South Tailwater Access	9	0	2	2	0	0	0	0	1
<b>Total</b>	<b>20</b>	<b>1</b>	<b>8</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>

The two visitors that identified other as their primary activity were hiking.

Visitors to both Projects were asked if they were prevented from participating in an activity of their choice and to provide the reasons why they were unable to engage in said activity. Of the 44 respondents at the Hayward Project, two provided comments regarding being unable to engage in an activity. One individual stated that they wanted to ride their All-Terrain Vehicle (ATV) but were unable to locate the trail and another individual stated that they were unable to use the restroom at the Hayward City Beach because a suspicious person was occupying the restroom for an inordinate amount of time. The remainder of the respondents at the Hayward Project, and all individuals interviewed at Trego, stated that they had not been prevented from engaging in the activities of their choice.

Recreationists were asked if they or anyone in their group had a physical condition or personal limitation that made it difficult to access or participate in an activity. All visitors at both Projects responded that they did not have a physical condition or personal limitation that made it difficult to access or participate in activities.

Users were asked multiple questions about resource crowding at recreation sites associated with both Projects. At Hayward, 83 of the 92 responses or 90% stated that the resources were not crowded (Table 5-6). Only three respondents indicated that at least some of the resources were moderately to extremely crowded.

**Table 5-6. Crowding during visit to the Hayward Project Area  
(January-February, April-September 2022)**

<b>Resource</b>	<b>Not Crowded</b>	<b>Slightly Crowded</b>	<b>Moderately Crowded</b>	<b>Very Crowded</b>	<b>Extremely Crowded</b>
Parking	33	4	0	1	0
Trails	14	0	0	0	0
Campground	11	0	1	0	0
Boat-in Campsite	4	0	0	0	0
Shore Fishing	13	2	0	0	1
Boating	8	0	0	0	0
<b>Total Each Response</b>	<b>83</b>	<b>6</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Total No. Responses</b>	<b>92</b>				

Similarly, 64 of 73 responses from individuals visiting the Trego Project area stated that the resources were not crowded (Table 5-7). Once again, only three responses indicated that at least some of the resources were moderately to very crowded.

**Table 5-7. Crowding during visit to the Trego Project Area  
(January-February, April-September 2022)**

<b>Resource</b>	<b>Not Crowded</b>	<b>Slightly Crowded</b>	<b>Moderately Crowded</b>	<b>Very Crowded</b>	<b>Extremely Crowded</b>
Parking	25	2	0	0	0
Trails	13	2	0	0	0
Campground	2	0	0	2	0
Boat-in Campsite	0	0	0	0	0
Shore Fishing	17	2	1	0	0
Boating	7	0	0	0	0
<b>Total Each Response</b>	<b>64</b>	<b>6</b>	<b>1</b>	<b>2</b>	<b>0</b>
<b>Total No. Responses</b>	<b>73</b>				

Visitors were asked if crowding caused them to change their plans. Overwhelmingly, 93% and 97% of visitors to the Hayward and Trego Project areas, respectively, responded that crowding did not affect their plans. Four individuals responded that crowding did affect them (i.e., three near Hayward and one near Trego). In each case, the individuals stated that they moved to avoid crowding.

When asked if crowding was a factor in their trip planning, 40 of 44 respondents at Hayward and 20 of 29 visitors to the Trego Project area said that crowding was not a factor considered in their trip planning. For those that did consider over-crowding in their trip planning, most said that they avoided certain times of the day while a few others said they avoided specific places.

In addition to crowding, visitors were asked if the behavior of an individual or group had interfered with the enjoyment of their trip. At both the Hayward and Trego Projects, 100% of respondents stated that no group or individual had interfered with the enjoyment of their trip.

Visitors were asked to rate their satisfaction with the amenities during their current visit; 1-very satisfied, 2-somewhat satisfied, 3-neither, 4-dissatisfied, and 5-very dissatisfied. At the Hayward Project, the average ratings given for the facilities among the locations ranged from 1.00 (very satisfied) to 5.00 (very dissatisfied) with an average rating of 1.89 between very satisfied and satisfied (Table 5-8).

While most visitors gave the facilities at the Hayward Project neutral or positive ratings, some negative ratings were received. Of the 44 respondents, 14 expressed dissatisfaction (i.e., dissatisfied or very dissatisfied) among the facilities at the Hayward Project. Dissatisfaction was primarily related to poor signage outside and within the facility at the Hayward Canoe Portage Take-Out (n=2). Lack of trash receptacles, poor signage, and inadequate parking were listed as reasons for visitor dissatisfaction at the Hayward Canoe Portage Trail and Put-In and Hayward Informal Tailwater access (n=2). At Hayward City Beach and Fishing Pier, poor signage, lack of trash receptacles, and restroom conditions were cited as reasons for dissatisfaction (n=10).

Average satisfaction ratings among the recreation amenities associated with the Trego Project ranged from 1.00 (very satisfied) to 4.00 (dissatisfied) with an overall average rating of 2.10 (Table 5-9).

Similar to the recreation facilities at the Hayward Project, most Trego Project amenities were rated neutral or better; however, a few negative ratings were received. Of the 29 visitors interviewed, eight expressed dissatisfaction (i.e., dissatisfied or very dissatisfied) with one or more of the amenities. At the Trego Park Boat Landing, dissatisfaction was voiced regarding the lack of signage (n=2). Four individuals collectively expressed dissatisfaction with the lack of trash receptacles, vehicle parking, roads to the facility, and/or signage at the Trego South Tailwater Access. Lastly, one individual described their dissatisfaction with the condition of the Trego Boat Landing signage, rocks at the end of the ramp and near the dock, as well as the lack of a restroom.

In terms of demographics regarding respondents at the Hayward Project, based on zip codes, 52% (n=22) of them were from Hayward while 31% (n=13) stated that they were from more than 25 miles away. The average distance traveled among the respondents was approximately 76 miles with the longest distance being approximately 600 miles.

The individuals interviewed at the Hayward recreation sites ranged in age from 18 to 75 years with the average age being 38 years old. Among those that provided their age, 62% were under the age of 40.

More than two-thirds (i.e., 70%) of those interviewed at the Hayward Project identified as being male, while women made up one-quarter of the visitors. Likewise, nearly 80% stated their ethnicity as White; however, 16% identified themselves as being Indigenous North American. Those claiming Asian and Hispanic ethnicity each made up approximately two percent of those interviewed.

Approximately 56% of those interviewed among the facilities associated with the Hayward Project stated that they obtained the information to plan their trip via “Other” and “Word of Mouth” while 40% said they planned their trip based on a “Previous Visit”. Those responding “Other” identified internet resources most often while local retailers were commonly associated with “Word of Mouth” responses.

Visitors to the Trego Project facilities were less local but also traveled a shorter distance compared to Hayward Project area facilities. Of the 29 visitors interviewed, 24% (n=7) of the Trego respondents were from Trego while 52% (n=15) stated that they were from more than 25 miles away. The average distance travelled among the respondents was approximately 52 miles with the longest distance being approximately 175 miles.

The age of those interviewed at the Trego recreation sites ranged from 17 to 73 years old with the average age being 47 years old. Among those that provided their age, 59% were over the age of 50 years old.

The gender composition of Trego respondents was similar to Hayward with women representing one-quarter and men making up three-quarters. The Trego visitors that were interviewed represented a less diverse segment of the population compared to the Hayward Project. Approximately 97% stated their ethnicity as White with three percent identifying themselves as being Indigenous North American.

Approximately 95% of those interviewed stated that they obtained the information to plan their trip via “Word of Mouth” or based on a “Previous Visit”.

Respondents were asked to comment on the amenities, needs, or concerns with the facilities near the Hayward and Trego Projects. Comments from the satisfaction portion of the survey, as well as general comments received at the end of the survey, were combined. While several positive comments about the facilities were given, some comments included recommended improvements. The comments were organized into two main categories: maintenance and new amenities.

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**Table 5-8. Satisfaction with the Hayward Project Area Facilities (January-February, April-September 2022)**

Location	Parameters	Restroom	Picnic Sites	Trash	Parking	Boat Launch Parking	Boat Launch	Boat Dock	Other Vehicle/Boat	Roads to Facility	Signage to Facility	Signage within Facility	Other Roads/Signage
Bartz's Bay	Number Responses	0 <sup>1</sup>	0	0	1	0	0	0	1	0	0	0	0
	Average Rating	--	--	--	1.00	--	--	--	1.00	--	--	--	--
Hayward Canoe Portage Take Out	Number Responses	0	0	0	4	0	0	0	0	4	4	4	0
	Average Rating	--	--	--	2.00	--	--	--	--	1.25	3.00	3.00	--
Hayward Canoe Portage Trail Put-In	Number Responses	1	1	1	1	0	0	0	0	1	1	1	0
	Average Rating	1.00	2.00	5.00	1.00	--	--	--	--	1.00	1.00	1.00	--
Hayward Informal Tailwater Access	Number Responses	0	0	0	2	0	0	0	0	3	3	3	0
	Average Rating	--	--	--	3.00	--	--	--	--	2.33	3.00	3.00	--
City of Hayward Boat Landing	Number Responses	0	0	0	5	6	4	4	0	8	8	6	0
	Average Rating	--	--	--	1.20	1.67	1.50	1.25	0.00	1.38	1.38	1.17	--
City of Hayward Beach/Fishing Pier	Number Responses	17	15	10	22	0	0	0	0	26	26	26	1
	Average Rating	2.18	1.53	2.10	1.36	--	--	--	--	1.50	2.15	2.19	1.00

<sup>1</sup> 0 equals no response. Rating scale 1 to 5 (1 = Very Satisfied, 5 = Very Dissatisfied). See Appendix 1.

**Table 5-9. Satisfaction with the Trego Project Area Facilities (January-February, April-September 2022)**

Location	Parameters	Restroom	Picnic Sites	Trash	Parking	Boat Launch Parking	Boat Launch	Boat Dock	Other Vehicle /Boat	Roads to Facility	Signage to Facility	Signage within Facility	Other Roads/ Signage
Trego Park Boat Landing	Number Responses	0 <sup>1</sup>	0	0	2	2	2	2	0	2	3	3	0
	Average Rating	--	--	--	3.00	3.00	3.00	3.00	--	3.00	3.67	2.33	--
Trego Boat Landing	Number Responses	5	0	1	7	0	0	0	1	8	7	5	0
	Average Rating	1.00	--	1.00	1.29	--	--	--	1.00	1.00	1.00	1.00	--
Trego North Tailwater/Canoe Portage	Number Responses	1	0	1	6	4	4	1	0	6	6	6	0
	Average Rating	3.00	--	3.00	1.00	2.25	2.00	3.00	--	1.17	2.00	2.00	--
Trego South Tailwater	Number Responses	0	0	1	11	0	0	0	1	12	11	11	0
	Average Rating	--	--	4.00	2.00	--	--	--	1.00	1.83	2.09	2.36	--

<sup>1</sup> 0 equals no response. Rating scale 1 to 5 (1 = Very Satisfied, 5 = Very Dissatisfied). See Appendix 1.



For the facilities at the Hayward Project, new amenities were more often suggested than maintenance needs (Table 5-10). The City of Hayward Beach/Fishing Pier was the most visited facility at the Hayward Project and it received the most comments (n=21). The most frequent comments received were in regard to new or more signage, need for trash receptacles, and geese management. More or better signage was also mentioned for the Hayward Canoe Portage Take-Out and Carry-In Access while trash receptacles were also suggested for the Hayward Canoe Portage Trail and Put-In.

**Table 5-10. Summary of comments received from interviews near the Hayward Project (January-February, April-September 2022), Subject (number of comments)**

<b>Location</b>	<b>Maintenance</b>	<b>New Amenities</b>
City of Hayward Beach/Fishing Pier	-Restroom improvements (2) -Geese management (3) -Pavilion maintenance (1)	-Dog waste bag station (1) -Fishing pier (1) -New/more signage (4) -Trash receptacles (3) -Public Wi-Fi (1) -Campground (1) -Additional fishing pier (1) -Buoys for the beach (1) -Widen entry road (2)
City of Hayward Boat Landing		-Additional boat moorings (1)
Hayward Canoe Portage Take-Out and Carry-In Access		-More/better signage (2) -ADA viewing and parking (1)
Hayward Canoe Portage Trail and Put-In		-Trash receptacles (1) -Picnic table (1)

Among the facilities near the Trego Project, constructive comments were received at all four facilities (Table 5-11). The Town of Trego Park Boat Landing and Trego South Tailwater Access received the most comments for facilities near the Trego Project. As with the Hayward facilities, comments regarding new amenities such as signage, portable lavatories, and expanded tailwater fishing access were more common than maintenance related comments.

**Table 5-11. Summary of comments received from interviews near the Trego Project (January-February, April-September 2022), Subject (number of comments)**

<b>Location</b>	<b>Maintenance</b>	<b>New Amenities</b>
Town of Trego Park Boat Landing	-Replace signage (1) -Remove rocks at end of landing and by dock (1)	-Install portable lavatory (1) -Add marker to sign at CTH K Landing (1)
Town of Trego Boat Landing		-New\better signage (2)
Trego North Tailwater Access/Canoe Portage		-Trash receptacles (1) -Expand fishing area (1) -Rod holders on the railing (1)
Trego South Tailwater Access	-Replace signage (1)	-Trash receptacles (2) -New signage (1) -Expand fishing area (2) -Lighted stairway (1)

## 5.2 SPOT COUNTS

The 16 recreational surveys conducted at facilities near the Hayward Project resulted in 84 spot count reports across the surveyed locations. These spot counts observed 175 users total (Table 5-12, Appendix 6). The average spot count for the 16 surveys was 10.94 users per **sampling day at the Project**. Use of the City of Hayward Beach /Fishing Pier was substantially greater than the other five facilities surveyed and accounted for 81% of the user counts during 2022.

Among the eight months surveyed, April had the fewest total and average visits by recreational user (Tables 5-12). August had the highest user counts but July exhibited the greatest monthly average. The City of Hayward Boat Landing had the highest Winter counts (i.e., January and February) while the City of Hayward Beach\Fishing Pier saw the highest spring and summer spot counts.

**Table 5-12. Recreational use based on spot counts, near the Hayward Project (January-February, April-September 2022)**

Month	Surveys	Bartz' s Bay Informal Ice Fishing Access	Hayward Canoe Portage Take-Out and Carry-In Access	Hayward Canoe Portage Trail and Put-In	Hayward Informal Tailwater Bank Fishing Access	City of Hayward Boat Landing	City of Hayward Beach /Fishing Pier	Total by Month	Average by Month & No. Surveys
January	2	2	0	0	0	2	0	4	2.00
February	2	2	0	0	0	3	0	5	2.50
April	1	0	0	1	0	0	0	1	1.00
May	2	0	0	0	0	0	3	3	1.50
June	3	0	0	1	2	1	35	39	13.00
July	2	0	0	0	0	5	45	50	25.00
August	3	0	5	0	0	3	49	57	19.00
September	1	0	1	0	0	5	10	16	16.00
<b>Total</b>	<b>16</b>	<b>4</b>	<b>6</b>	<b>2</b>	<b>2</b>	<b>19</b>	<b>142</b>	<b>175</b>	<b>10.94</b>

In addition to instantaneous site counts of recreation users at each location, the spot count forms identified 11 specific recreational activities and one “other” category (Appendix 1). These activities ranged from ATV/Snowmobiling and various types of boating to hiking, jogging, walking and wildlife viewing. Recreation users at the Hayward Project were observed participating in many of the aforementioned activities, with the exception of bicycling and bird watching. All of the recreationist observed at the Hayward Project during the winter were listed under “other” and were ice fishing. From July through September, the primary activities for most visitors were swimming and shore fishing.

The 16 recreational surveys conducted at facilities near the Trego Project resulted in 64 spot count reports across the surveyed locations. Spot counts conducted at the Trego Project were noticeably lower compared to the Hayward Project. The Trego spot counts tallied 34 users total (Table 5-13). The average spot count for the 16 surveys was 2.13 users per sampling day at the Project. Unlike the Trego recreational interviews, which were highest at the tailwater facilities, spot counts were highest at the Town of Trego Boat Landing followed by the Town of Trego Park Boat Landing.

February had the fewest total and average visits by recreational user over the eight survey months (Tables 5-13). Similar to Hayward, the highest user count at Trego was in August, which also exhibited the highest average count. Trego spot counts were similar among the months and seasons with the exception of August, which was substantially higher.

**Table 5-13. Recreational use based on spot counts, near the Trego Project (January-February, April-September 2022)**

Month	Surveys	Town of Trego Park Boat Landing	Town of Trego Boat Landing	Trego North Tailwater Access/Canoe Portage	Trego South Tailwater Access	Total by Month	Average by Month & No. Surveys
January	2	0	2	0	0	2	1.00
February	2	0	0	0	0	0	0.00
April	1	1	0	0	1	2	2.00
May	2	1	0	2	0	3	1.50
June	3	0	1	1	0	2	0.67
July	2	3	0	0	1	4	2.00
August	3	3	9	3	2	17	5.67
September	1	1	0	2	1	4	4.00
<b>Total</b>	<b>16</b>	<b>9</b>	<b>12</b>	<b>8</b>	<b>5</b>	<b>34</b>	<b>2.13</b>

Among the 11 specific recreational activities, visitors to the Trego area were observed participating in seven activities. The four activities that were not observed include swimming, picnicking, bird watching, and ATV/Snowmobiling. Winter activities were minimal and restricted to walking. However, summer activities were largely split between power boating and shore/tailwater fishing.

### 5.3 FUTURE AND POTENTIAL RECREATION

Future and potential recreation use questionnaires were mailed to representatives from the City of Hayward, Hayward Area Chamber of Commerce, Sawyer County, Town of Trego, Trego

Lake District (TLD), Washburn County, and NPS on July 14, 2022. Delivery on July 18, 2022 was confirmed for each recipient (Appendix 2). Among the seven stakeholder entities that received the questionnaire, only the TLD and NPS responded. The following is a summary of their responses with complete responses provided by each stakeholder included in Appendix 7.

### **5.3.1 National Park Service**

Stakeholders were asked about their interest in recreation sites in the vicinity of the Hayward and Trego Projects as well as their primary function and responsibilities with regard to the recreation sites. NPS responded that the Namekagon River is protected as part of the Wild and Scenic Rivers system and the National Park system. The Namekagon River is managed by St. Croix National Scenic Riverway for “*the preservation and protection of the aquatic, cultural, recreational, scenic-aesthetic, water quality, and free-flowing condition values*”. The NPS does not manage all recreation sites near the Hayward and Trego Projects but has “*an interest in providing safe, high-quality recreational opportunities to the public as part of the NPS experience*”.

NPS owns and manages the County K Landing, which is downstream of the Trego Project. In addition, the NPS Namekagon River Visitor Center in the Town of Trego and the Earl Landing in the Town of Earl are between the Hayward and Trego Project areas but within the responsibilities of NPS. Amenities associated with the County K Landing include a gravel river access, picnic tables, interpretive and informational signage, paved parking lot, and vault toilet. The amenities at Earl Landing include a gravel parking area, concrete boat ramp, vault toilet, primitive camping, potable water, and picnic tables.

NPS reported that Namekagon River access points near the Visitor Center on the north and south banks of the river were removed due to redevelopment of the Highway 63 and Highway 53 Interchange project and the removal of the Lakeside Road Bridge. As such, no facilities remain at these locations. The removal of these two access points has reduced recreational access to the Namekagon River and near the Hayward and Trego Projects. The NPS is considering a river access point to the east of the Namekagon River Visitor Center, near the Highway 63 Bridge. NPS noted that parking capacity is frequently exceeded at Earl Landing. As such, NPS is set to begin the design process to improve conditions at the Earl Landing during Fiscal Year 2024.

### **5.3.2 Trego Lake District**

The TLD described itself as “*a specialized unit of government created to manage Trego Lake with a legal responsibility to support and encourage the preservation of the natural beauty, peacefulness, safety, and recreational value of the shoreline and waters of Trego Lake, and to coordinate with the various public and private organizations in these efforts*”. The TLD encompasses the water and shoreline from the Trego Project to the Highway 53 bridge and is managed by those owning property within the boundary. There are approximately 275 landowners that have access to the lake from their property.

TLD works with Wisconsin Department of Natural Resources to analyze water quality, protect the fishery, maintain and mark navigation channels, and coordinate control of aquatic invasive species (AIS) in the lake.

Recreational activities on Trego Lake, including boating, swimming, and fishing, are all impacted by sedimentation buildup and AIS. In conjunction with the Town of Trego, TLD operates and maintains the Trego Landing. In addition, a private resort and campground (i.e., Bay Park Resort and Campground) is situated on Trego Lake. TLD stated that these sites have not exceeded capacity or experienced insufficient parking.

In terms of future management and enhancement of recreational opportunities, TLD will continue to manage AIS and navigation through aquatic macrophyte harvesting and spot dredging. In 2023, via a tax levy on members, TLD intends to expand AIS control through additional macrophyte harvesting as identified in their Aquatic Plant Management Plan. Despite these efforts, TLD foresees the need to further expand AIS and sedimentation management within the district to enhance the resource and improve recreational opportunities near the Trego Project. TLD also expressed concern over the loss of Namekagon River due to the Trego interchange development access (see NPS discussion above) and believes those former access points need to be replaced.

## 6. CONCLUSIONS

Overall, the six Hayward Project and four Trego Project recreational locations were considered in good condition during the 2022 surveys. The inventory identified one facility and amenity that required maintenance and that was related to signage at the Hayward Canoe Portage Trail and Put-In. Most recreational facilities at the Hayward and Trego Projects received low to moderate use during the 2022 survey events. The lone exception was at the Hayward City Beach/Fishing Pier, which received periodic moderate to high use, particularly in June, July, and August. Despite the high use at the Hayward City Beach/Fishing Pier, based on the facility assessments, observations, spot counts, and user interviews, this facility does not appear to be overused and overcrowding is infrequent. With the exception of the Hayward City Beach/Fishing Pier, crowding or lack of capacity was not observed during the surveys.

A few respondents requested improved signage at NSPW-owned recreation locations (Tables 5-10 and 5-11). Improved signage was requested for both the Hayward Canoe Portage Take-Out and Carry-In Access and the Trego South Tailwater Access. The Hayward Canoe Portage Take-Out and Carry-In Access is visibly marked for recreation users both on the water and on land (Appendix 3, Photos 9, 12, 13, 14, 17, and 19). Therefore, additional signage is unnecessary at this time. Likewise, one respondent suggested that the signage at the Trego South Tailwater Access is faded (Appendix 3, Photo 120). While somewhat faded, the signage remains completely readable such that replacement is unnecessary at this time.

For the Hayward project, one individual suggested that an ADA parking and viewing area would benefit the public at the Hayward Canoe Portage Take-Out and Carry-In Access (Table 5-10). Given the open, level, and relatively obstacle free area at the Hayward Canoe Portage Take-Out and Carry-In Access, it is recommended that NSPW evaluate the possibility for an ADA parking and viewing area. In addition, one respondent requested that a picnic table be located along the Hayward Canoe Portage Trail and Put-In. Given the ample space available along the portage trail, near the take out, carry-in access, informal bank fishing access, or at the loop near the canoe portage put-in, it is recommended that NSPW evaluate the possibility of installing a picnic table near the Hayward Canoe Portage Trail and Put-In.

Three respondents suggested that the Trego North Tailwater Access and Trego South Tailwater Access fishing areas are in need of expansion (Table 5-11). However, based on actual observed use throughout the Trego recreation survey, the facilities are more than adequate to support the number of individuals visiting them. In fact, among the 16 surveys conducted, the number of individuals using the north or south tailwater fishing areas exceeded one individual on two occasions and in both cases there were two people using the access compared to eight surveys when no users were observed at either tailwater access (Appendix 6). Therefore, use of these resources suggests that expansion of the north and south tailwater fishing areas at the Trego Project is unnecessary.

While there may be legitimate needs for future improvement or expansion of recreational resources in the vicinity of the Projects, the low to moderate observed use during these surveys

suggests that the capacity of the Hayward and Trego recreational resources is sufficient now and in the foreseeable future.



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**Appendix 1**  
**Field Forms**

Recreation Inventory and Condition Assessment										
Location:						Date:				
Hayward Hydroelectric Project P-2417										
Survey Person:										
GPS Location:										
Amenity Photo Numbers:										
Shoreline Photo Numbers:										
Entryway Photo Number:										
Type of Amenity:	Quantity of Amenities:	Condition of Amenity:					Notes:	Barrier Free? (Y or N)		
		-Missing-Needs Replacement (NR)								
		-Not Usable (N)								
		-Needs Repair (R)								
		-Needs Maintenance (M)								
-Good Working Condition (G)										
Boat Launch	Lanes: 1      Launches: 1	NR	N	R	M	G				
Scenic Overlook		NR	N	R	M	G				
Tailwater Access		NR	N	R	M	G				
Restroom		NR	N	R	M	G				
Trash Receptacles		NR	N	R	M	G		NA		
Other (picnic units, informal trails, camping, etc.)		NR	N	R	M	G				
Parking	No. Spaces (each type):				Condition:			Notes:		
	Standard:	Barrier-Free:	Trailer:	Other (specify):						
					N	R	M	G	Gravel?	
Signage:	Number:	Condition:				Comments: Provide Details on which signs need attention.				
FERC Project Sign		NR	N	R	M	G				
Regulations Signs		NR	N	R	M	G				
Directional		NR	N	R	M	G				
Interpretive		NR	N	R	M	G				
Additional Comments:										
Describe any signs of overuse or anything observed that is not already documented above.										

Recreation Inventory and Condition Assessment									
Location:						Date:			
Trego Hydroelectric Project P-2711									
Survey Person:									
GPS Location:									
Amenity Photo Numbers:									
Shoreline Photo Numbers:									
Entryway Photo Number:									
Type of Amenity:	Quantity of Amenities:	Condition of Amenity:					Notes:	Barrier Free? (Y or N)	
		-Missing-Needs Replacement (NR)							
		-Not Usable (N)							
		-Needs Repair (R)							
		-Needs Maintenance (M)							
-Good Working Condition (G)									
Boat Launch	Lanes: 1      Launches: 1	NR	N	R	M	G			
Scenic Overlook		NR	N	R	M	G			
Tailwater Access		NR	N	R	M	G			
Restroom		NR	N	R	M	G			
Trash Receptacles		NR	N	R	M	G		NA	
Other (picnic units, informal trails, camping, etc.)		NR	N	R	M	G			
Parking	No. Spaces (each type):				Condition:			Notes:	
	Standard:	Barrier-Free:	Trailer:	Other (specify):					
					N	R	M	G	Gravel?
Signage:	Number:	Condition:			Comments: Provide Details on which signs need attention.				
FERC Project Sign		NR	N	R	M	G			
Regulations Signs		NR	N	R	M	G			
Directional		NR	N	R	M	G			
Interpretive		NR	N	R	M	G			
Additional Comments:									
Describe any signs of overuse or anything observed that is not already documented above.									

**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**  
**NPS Recreation Survey Questionnaire**

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors’ experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz’s Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in **on your current visit** to the area.
- (B) Which **ONE** of these activities is your **PRIMARY ACTIVITY** on this trip to the area?

ACTIVITY	(A) Participated in <b>ON THIS TRIP</b> (Check <u>all</u> that apply)	(B) <b>PRIMARY ACTIVITY</b> (Check <u>only one</u> )
Shoreline/tailwater fishing		
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES       NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input type="checkbox"/>
At a developed campground	1	2	3	4	5	<input type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items **that you used during your current visit** to this specific recreation facility/reservoir. Also, please **check** the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input type="checkbox"/>	
Boat launch	1	2	3	4	5	<input type="checkbox"/>	
Boat dock	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Federal or State website          | <input type="checkbox"/> Word of mouth                                |
| <input type="checkbox"/> City, local, or municipal website | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.) |
| <input type="checkbox"/> Xcel website                      | <input type="checkbox"/> Travel guides and tour books                 |
| <input type="checkbox"/> Other websites                    | <input type="checkbox"/> Newspaper/magazine article                   |
| <input type="checkbox"/> Maps, brochures, pamphlets        | <input type="checkbox"/> Radio/TV broadcasts                          |
| <input type="checkbox"/> Visitor bureaus/centers           | <input type="checkbox"/> Other (specify): _____                       |
| <input type="checkbox"/> Previous visits                   |   |

What is the ZIP code where you live or country if not in the United States?

ZIP code: \_\_\_\_\_ or, country (if not the United States): \_\_\_\_\_

What is your age: \_\_\_\_\_

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |  |   |                                     |
|--|---|-------------------------------------|
| <input type="checkbox"/> American Indian/Alaskan       | <input type="checkbox"/> Asian                  | <input type="checkbox"/> White      |
| <input type="checkbox"/> Native Hawaiian/other Pacific | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know |
| <input type="checkbox"/> Black/African-American        | <input type="checkbox"/> Not Hispanic or Latino |                                     |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

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Recreation Observation (Spot Count) Form

Date: \_\_\_\_\_ Time: \_\_\_\_\_

Hayward Project P-2417

Survey Person: \_\_\_\_\_ Note: Please list primary activity by placing a "P" in the box. Use and "S" for secondary activities.

Temperature: \_\_\_\_\_ Weather: \_\_\_\_\_ Wind Speed: \_\_\_\_\_

Recreation Site	Number of People	Recreation Activities											Notes		
		Shoreline Fishing	Boat Fishing	Swimming	Hiking/Walking/Jogging	Bicycling	Picnicking	Bird Watching	Wildlife Viewing	Non-Powered Boating	Power Boating	ATV/Snowmobile		Other (specify)	
Canoe Portage Take-Out & Carry-In Reservoir Access															
Canoe Portage Trail and Put-In															
Informal Tailwater Bank Fishing Area															
Hayward City Boat Landing															
Hayward City Beach/Barrier-Free Fishing Pier															
Bartz's Bay Informal Ice Fishing Access (Jan & Feb only)															

Additional Comments:

Recreation Observation (Spot Count) Form

Date: \_\_\_\_\_ Time: \_\_\_\_\_

Trego Project P-2711

Survey Person: \_\_\_\_\_ Note: Please list primary activity by placing a "P" in the box. Use and "S" for secondary activities.

Temperature: \_\_\_\_\_ Weather: \_\_\_\_\_ Wind Speed: \_\_\_\_\_

Recreation Site	Number of People	Recreation Activities											Notes		
		Shoreline Fishing	Boat Fishing	Swimming	Hiking/Walking/Jogging	Bicycling	Picnicking	Bird Watching	Wildlife Viewing	Non-Powered Boating	Power Boating	ATV/Snowmobile		Other (specify)	
Town of Trego Park Boat Landing															
Town of Trego Boat Landing															
Trego North Tailwater Access (Canoe Portage)															
Trego South Tailwater Access															

Additional Comments:

**Appendix 2**  
**Future and Potential Recreation Questionnaire**



Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of relicensing the Hayward and Trego Hydroelectric projects (Projects) located on the Namekagon River in Sawyer and Washburn Counties, respectively. The Projects are owned, operated, and maintained by NSPW and currently operate under licenses issued by the Federal Energy Regulatory Commission (FERC). In order to continue to operate and maintain the Projects, NSPW must apply for subsequent licenses from the FERC. A final license application must be submitted to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is gathering information about potential recreation needs in the vicinity of Projects.

The Hayward Project vicinity is defined as the area within ¼ mile of the shoreline between ½ mile downstream and 2 ½ miles upstream of the Hayward Dam. The Trego Project vicinity is defined as the area within ¼ mile of the shoreline between ½ mile downstream and 5 ¾ mile upstream of the Trego Dam.

If you have any questions, please contact Matthew Miller at [matthew.j.miller@xcelenergy.com](mailto:matthew.j.miller@xcelenergy.com) or 715-737-1353.

1. Information about person completing the questionnaire:

Name & Title: \_\_\_\_\_  
 Organization: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Email Address: \_\_\_\_\_

2. Is your organization responsible for or interested in recreation sites, amenities, formal access sites, or planning for recreation sites within the Project vicinity as defined above?

- Yes *(Please proceed to 2a below)*                       No *(No additional information is needed and thank you for your input)*

a. Please describe your primary function pertaining to recreation and list any recreation sites or access sites (formal or informal) in the Project vicinity you are responsible for or have interest in the space provided below: *(Additional information may be provided on the final sheet of this questionnaire.)*

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Please proceed to question 2b on the next page.



- b. Please list all recreation amenities available at each recreation site or access site you manage or have an interest in (e.g. docks, restrooms, parking areas, interpretive signage, picnic tables, trails, etc.) below: *(Additional information may be provided on the final sheet of this questionnaire.)*

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- c. Please provide the location of each site listed above using a the enclosed map, street address, or GPS location: *(Additional information may be provided on the final sheet of this questionnaire.)*

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- d. Have any of the sites or amenities listed in 2a and 2b exceeded capacity or not had sufficient parking? *(Additional information may be provided on the final sheet of this questionnaire.)*

Yes *(Please list location, amenity and when capacity is exceeded.)*       No

**Recreation Site/Amenity**

**Event(s) Exceeding Capacity**

Recreation Site/Amenity	Event(s) Exceeding Capacity
<hr/>	<hr/>
<hr/>	<hr/>
<hr/>	<hr/>
<hr/>	<hr/>
<hr/>	<hr/>
<hr/>	<hr/>
<hr/>	<hr/>

Please proceed to question 2e on the next page.



e. Do you have any planned improvements for the recreation sites listed in 2a and amenities listed in 2b or any plans for development of new recreation sites? *(Additional information may be provided on the final sheet of this questionnaire.)*

- Yes *(Please list location, planned improvement, and anticipated opening date below.)*  No

**Planned Improvements/Locations**

**Anticipated Opening Date**


f. Do you believe additional recreation sites/amenities are needed, or any enhancements are needed at existing recreation sites, within the Project vicinity? *(Additional information may be provided on the final sheet of this questionnaire.)*

- Yes *(Please list reasoning below.)*  No

**Additional Recreation Sites/Amenities Reasoning**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

g. Please indicate if there is a specific representative you wish to designate as a follow-up contact to be used by Xcel Energy or their representative *(Additional information may be provided on the final sheet of this questionnaire.)*

**Representative Contact Information**

Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_



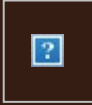
## Stakeholder Questionnaire Recipients and Addresses

<b>Name</b>	<b>Address</b>	<b>Project</b>	<b>Shipped Date</b>	<b>Delivered Date</b>
Lisa Poppe	15889 W. 3rd St., Hayward WI 54843	Hayward	7/14/2022	7/18/2022
John McCue	15889 W. 3rd St., Hayward WI 54843	Hayward	7/14/2022	7/18/2022
Chris Ruckdaschel	15805 US Hwy 63 Hayward, WI 54843	Hayward	7/14/2022	7/18/2022
Andy Albarado	10610 Main St., Suite 23, Hayward, WI 54843	Hayward	7/14/2022	7/18/2022
Patti Butterfield	N8561 Lakeside Road, Trego, WI 54888	Trego	7/14/2022	7/18/2022
Wes Huffer	N8521 US Hwy 53, Trego, WI 54888	Trego	7/14/2022	7/18/2022
Tom Frost	N7558 Wood Drive, Trego, WI 54888	Trego	7/14/2022	7/18/2022
Charlie Petersen	5504 12th Ave South, Minneapolis, MN 55417	Trego	7/14/2022	7/16/2022
Lolita Olson	10 4th Avenue, Shell Lake, WI 54871	Trego	7/14/2022	7/18/2022
Terri Hogan	401 N. Hamilton Street, St. Croix Falls, WI 54024	Trego/Hayward	7/14/2022	7/18/2022
Lisa Yager	401 N. Hamilton Street, St. Croix Falls, WI 54024	Trego/Hayward	7/14/2022	7/18/2022



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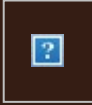
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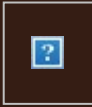


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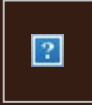
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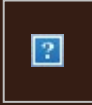
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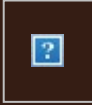
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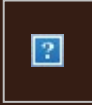


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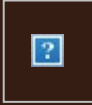
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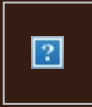
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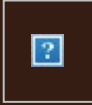
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**Appendix 3**  
**Recreation Inventory Photolog**

# Appendix 3 – Recreation Inventory Photolog

Hayward Project (FERC Project No. 2417)  
Trego Project (FERC Project No. 2711)

## Hayward Canoe Portage Take-Out and Carry-In Reservoir Access



1. Signage at Dam



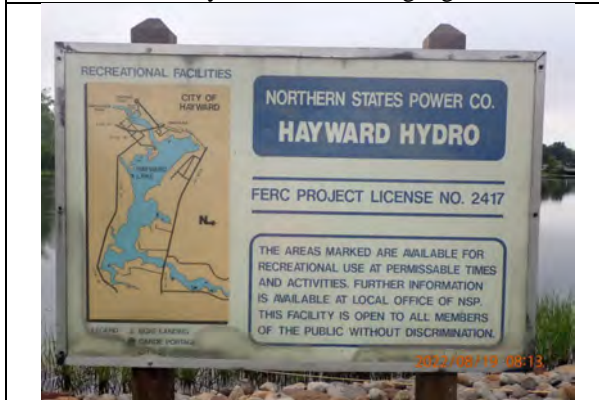
2. Signage downstream of Dam



3. Hayward elevation signage



4. Xcel Energy signage



5. Hayward Hydro Signage



6. Upstream view of dam and reservoir

# Appendix 3 – Recreation Inventory Photolog

Hayward Project (FERC Project No. 2417)  
Trego Project (FERC Project No. 2711)



7. Buoys around reservoir



8. View of dam, reservoir, and parking area



9. Canoe Portage Signage



10. Canoe Take Out Area



11. Canoe Take Out Stairs



12. Shoreline and Signage at Canoe Take Out

# Appendix 3 – Recreation Inventory Photolog

Hayward Project (FERC Project No. 2417)  
Trego Project (FERC Project No. 2711)



13. Canoe Take Out Signage

# Appendix 3 – Recreation Inventory Photolog

Hayward Project (FERC Project No. 2417)  
Trego Project (FERC Project No. 2711)

## Hayward Canoe Portage Trail and Put-In



14. Canoe portage signage



15. Dead end sign near canoe portage trail access



16. Entrance/parking area



17. Parking area



18. Access road to canoe portage trail



19. Downed tree at canoe portage trail access area



# Appendix 3 – Recreation Inventory Photolog

Hayward Project (FERC Project No. 2417)  
Trego Project (FERC Project No. 2711)



20. Entrance trail to canoe portage put-in



21. View of river at canoe portage put-in



22. Bank at Canoe portage put-in



23. Upstream view at canoe portage access



24. Downstream view at canoe portage put-in



25. Trail to access road

# Appendix 3 – Recreation Inventory Photolog

Hayward Project (FERC Project No. 2417)  
Trego Project (FERC Project No. 2711)

## Hayward Informal Tailwater Bank Fishing Area



26. Access road near Hayward Dam



27. Parking area near Hayward Informal Tailwater Bank Fishing Area



28. Tailwater Bank Fishing Area trail



29. View looking upstream at dam



30. View of tailwater from bank fishing area



31. View of bank from tailwater fishing area

# Appendix 3 – Recreation Inventory Photolog

Hayward Project (FERC Project No. 2417)  
Trego Project (FERC Project No. 2711)



32. Bank access to tailwater fishing area



33. Tailwater below Dam



34. Bank near Dam



35. Parking area near Bank Tailwater Fishing and Canoe Portage Take-Out and Carry-In Reservoir Access



36. ATV Trail Signage



37. ATV Trail Signage

# Appendix 3 – Recreation Inventory Photolog

Hayward Project (FERC Project No. 2417)  
Trego Project (FERC Project No. 2711)

Hayward City Boat Landing	
 <p>2022/08/19 12:17</p>	 <p>2022/08/19 12:17</p>
38. Turnoff to boat landing	39. Alternate view of turnoff and Parking Area
 <p>2022/08/19 12:17</p>	 <p>2022/08/19 12:17</p>
40. Parking area	41. Parking area
 <p>2022/08/19 12:19</p>	 <p>2022/08/19 12:19</p>
42. Signage near boat launch	43. Boat launch and pier

# Appendix 3 – Recreation Inventory Photolog

Hayward Project (FERC Project No. 2417)  
Trego Project (FERC Project No. 2711)



44. Invasive species signage



45. Fishing regulations signage



46. St. Croix National Scenic Riverway signage



47. View of parking area

# Appendix 3 – Recreation Inventory Photolog

Hayward Project (FERC Project No. 2417)  
Trego Project (FERC Project No. 2711)

## Hayward City Beach & Barrier-Free Fishing Pier



48. Reservoir access



49. Picnic area



50. Picnic area



51. Human activity



52. Human activity



53. Fishing pier

# Appendix 3 – Recreation Inventory Photolog

Hayward Project (FERC Project No. 2417)  
Trego Project (FERC Project No. 2711)



53. Fishing signage



54. Fishing pier



55. Fishing pier



56. Picnic area access and signage



57. Swing set



58. Restrooms

# Appendix 3 – Recreation Inventory Photolog

Hayward Project (FERC Project No. 2417)  
Trego Project (FERC Project No. 2711)



59. Playground



60. Picnic area



61. Parking area



62. Handicap parking space



63. Beach pavilion and signage



64. Solar charging bench



# Appendix 3 – Recreation Inventory Photolog

Hayward Project (FERC Project No. 2417)  
Trego Project (FERC Project No. 2711)



65. View of reservoir



66. Beach



67. Foot bridge

# Appendix 3 – Recreation Inventory Photolog

Hayward Project (FERC Project No. 2417)  
Trego Project (FERC Project No. 2711)

## Hayward Bartz's Bay Informal Ice Fishing Access



68. End of trail



69. Mid trail



70. Parking and road access



71. Trailhead

# Appendix 3 – Recreation Inventory Photolog

Hayward Project (FERC Project No. 2417)  
Trego Project (FERC Project No. 2711)

## Town of Trego Park Boat Landing



72. Canoe put-in and boat landing



73. Canoe put-in and boat landing



74. No Camping signage



75. Parking area



76. Signage



77. No Trailer Camping signage

# Appendix 3 – Recreation Inventory Photolog

Hayward Project (FERC Project No. 2417)  
Trego Project (FERC Project No. 2711)



78. Sign at boat landing entrance



79. Entrance to boat landing



80. Boat landing and Trego flowage



81. Trail to boat landing from adjacent campground

# Appendix 3 – Recreation Inventory Photolog

Hayward Project (FERC Project No. 2417)  
Trego Project (FERC Project No. 2711)

## Town of Trego Boat Landing



82. Boat launch



83. Invasive species signage



84. Trego Flowage information posted at boat launch



85. Invasive species signage



86. Signage at boat launch



87. Boat launch and dock

# Appendix 3 – Recreation Inventory Photolog

Hayward Project (FERC Project No. 2417)  
Trego Project (FERC Project No. 2711)



88. Alternate view of boat launch and dock



89. Road down to boat launch



90. Road to boat launch



91. Parking signage



92. Parking area by boat launch



93. Parking signage

# Appendix 3 – Recreation Inventory Photolog

Hayward Project (FERC Project No. 2417)  
Trego Project (FERC Project No. 2711)

## Trego North Tailwater Access (Canoe Portage)



94. Parking area



95. Access Road



96. Access Road



97. Parking area



98. Access trail to dam and tailwater



99. Access trail entrance

# Appendix 3 – Recreation Inventory Photolog

Hayward Project (FERC Project No. 2417)  
Trego Project (FERC Project No. 2711)



100. Access trail to Dam



101. Portable lavatory



102. View of dam, powerhouse and tailwater



103. Canoe portage signage at reservoir take-out



104. Canoe portage take-out at reservoir



105. View of dam from take-out



# Appendix 3 – Recreation Inventory Photolog

Hayward Project (FERC Project No. 2417)  
Trego Project (FERC Project No. 2711)



106. Canoe portage take-out path



107. Canoe portage take-out path



108. Dam and powerhouse



109. No Trespassing signage



110. Tailwater fishing platform and canoe put-in



111. Bank above fishing platform

# Appendix 3 – Recreation Inventory Photolog

Hayward Project (FERC Project No. 2417)  
Trego Project (FERC Project No. 2711)



112. Dam safety signage



113. View of dam from tailwater fishing platform



114. View from tailwater fishing platform – facing downstream



115. Canoe portage access area at tailwater



116. Canoe portage put-in area



117. Canoe portage put-in

# Appendix 3 – Recreation Inventory Photolog

Hayward Project (FERC Project No. 2417)  
Trego Project (FERC Project No. 2711)



118. View of dam from tailwater fishing area



119. View of dam and powerhouse from tailwater fishing area

# Appendix 3 – Recreation Inventory Photolog

Hayward Project (FERC Project No. 2417)  
Trego Project (FERC Project No. 2711)

## Trego South Tailwater Access



120. Trego Hydro Signage



121. View of Trego Reservoir



122. Dam and reservoir



123. Entrance to powerhouse building



124. Powerhouse and south tailwater fishing access



125. Dam safety signage

# Appendix 3 – Recreation Inventory Photolog

Hayward Project (FERC Project No. 2417)  
Trego Project (FERC Project No. 2711)



126. Dam and powerhouse



127. View of bank access from tailwater fishing area



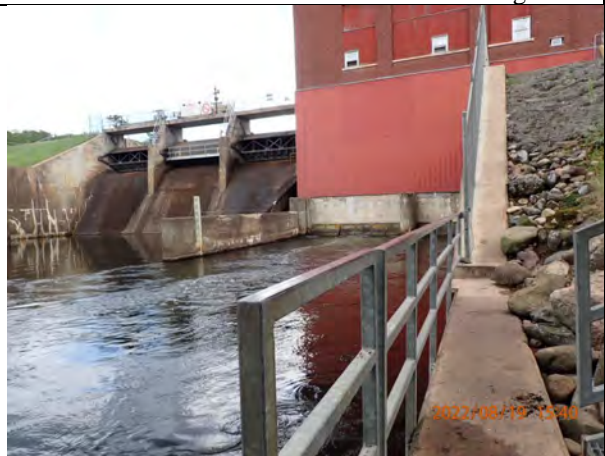
128. Stairs to south tailwater access platform



129. Access road to south tailwater fishing



130. Parking area



131. Powerhouse and tailwater

# Appendix 3 – Recreation Inventory Photolog

Hayward Project (FERC Project No. 2417)  
Trego Project (FERC Project No. 2711)



132. South tailwater access stairs



133. South tailwater access stairs and fishing platform

**Appendix 4**  
**Recreation Inventory Assessment Raw Datasheets**

Recreation Inventory and Condition Assessment

Location: Bartz's Bay Informal JOE Fishing ACCESS Date: 1/27/2022

Hayward Hydroelectric Project P-2417

Survey Person: M. Renik

GPS Location: N 46.00267 W 091.45926

Amenity Photo Numbers: 1518

Shoreline Photo Numbers: 1521 1522

Entryway Photo Number: 1519?

Type of Amenity:	Quantity of Amenities:	Condition of Amenity:					Notes:	Barrier Free? (Y or N)
		-Missing-Needs Replacement (NR)	-Not Usable (N)	-Needs Repair (R)	-Needs Maintenance (M)	-Good Working Condition (G)		
Boat Launch	Lanes: 1 Launches: 1	NR	N	R	M	G	<u>N/A</u>	
Scenic Overlook		NR	N	R	M	G	<u> </u>	
Tailwater Access		NR	N	R	M	G	<u> </u>	
Restroom		NR	N	R	M	G	<u> </u>	
Trash Receptacles		NR	N	R	M	G	<u>✓</u>	NA
Other (picnic units, informal trails, camping, etc.)	<u>Informal Trail</u>	NR	N	R	M	<u>(G)</u>		

Parking	No. Spaces (each type):				Condition:	Notes:
	Standard:	Barrier-Free:	Trailer:	Other (specify):		
<u>Side of Road</u>				<u>informal</u>	<u>N R M (G)</u>	<u>Gravel?</u>

- see notes

Signage:	Number:	Condition:	Comments: Provide Details on which signs need attention.
FERC Project Sign		NR N R M G	<u>Informal n/a</u>
Regulations Signs		NR N R M G	<u> </u>
Directional		NR N R M G	<u> </u>
Interpretive		NR N R M G	<u> </u>

Additional Comments:  
Describe any signs of overuse or anything observed that is not already documented above.

Parking Notes: Plowed wider to allow safe parking access. Informal, approximately 6 vehicles can fit within enlarged portion. Other vehicles can park on Normal Road above and below section.



Recreation Inventory and Condition Assessment

Location: Hayward Boat Landing Date: 5/11/2022

Hayward Hydroelectric Project P-2417

Survey Person: M. Soren J. Arbuckle

GPS Location: N46.00924 W091.47901 NAD 83

Amenity Photo Numbers:

Shoreline Photo Numbers:

Entryway Photo Number:

Type of Amenity:	Quantity of Amenities:	Condition of Amenity:				Notes:	Barrier Free? (Y.or.N)
		-Missing-Needs Replacement (NR)					
		-Not Usable (N)					
		-Needs Repair (R)					
		-Needs Maintenance (M)					
		-Good Working Condition (G)					
Boat Launch	Lanes: 1 Launches: 1	NR	N	R	M	<u>G</u>	
Scenic Overlook	<u>0</u>	NR	N	R	M	G	
Tailwater Access	<u>0</u>	NR	N	R	M	G	
Restroom	<u>0</u>	NR	N	R	M	G	
Trash Receptacles		NR	N	R	M	G	NA
Other (picnic units, informal trails, camping, etc.)	<u>0</u>	NR	N	R	M	G	

Parking	No. Spaces (each type):				Condition:	Notes:
	Standard:	Barrier-Free:	Trailer:	Other (specify):		
					N R M <u>G</u>	<u>Gravel</u>

Signage:	Number:	Condition:	Comments: Provide Details on which signs need attention.
FERC Project Sign	<u>0</u>	NR N R M G	
Regulations Signs	<u>1</u>	NR N R M <u>G</u>	
Directional	<u>0</u>	NR N R M G	
Interpretive	<u>2</u>	NR N R M <u>G</u>	

Additional Comments:  
Describe any signs of overuse or anything observed that is not already documented above.

~ 20 Standard, 8-10 trailers? unchanged from previous

Recreation Inventory and Condition Assessment

Location: Hayward City Beach + Fish Pier Date: 5/2/2007

Hayward Hydroelectric Project P-2417

Survey Person: M. Sneed J. Arbuckle

GPS Location: N46.00963 W091.47749

Amenity Photo Numbers:

Shoreline Photo Numbers:

Entryway Photo Number:

Type of Amenity:	Quantity of Amenities:	Condition of Amenity:					Notes:	Barrier Free? (Y or N)
		-Missing-Needs Replacement (NR)						
		-Not Usable (N)						
		-Needs Repair (R)						
		-Needs Maintenance (M)						
-Good Working Condition (G)								

Boat Launch: 2 launches NR N R M G

Scenic Overlook: 0 NR N R M G

Tailwater Access: 0 NR N R M G

Restroom: 1 F + 1 M NR N R M G

Trash Receptacles: 0 NR N R M G NA

Other (picnic units, informal trails, camping, etc.): 13 picnic tables NR N R M G

Parking	No. Spaces (each type):				Condition:	Notes:
	Standard:	Barrier-Free:	Trailer:	Other (specify):		
	<u>22</u>	<u>2</u>	<u>0</u>	<u>0</u>		

Signage:	Number:	Condition:	Comments: Provide Details on which signs need attention.
FERC Project Sign	<u>0</u>	<u>NR N R M G</u>	
Regulations Signs	<u>4</u>	<u>NR N R M G</u>	<u>Traffic, beach</u>
Directional	<u>0</u>	<u>NR N R M G</u>	
Interpretive	<u>0</u>	<u>NR N R M G</u>	

Additional Comments:

Describe any signs of overuse or anything observed that is not already documented above.

- Shelter w/ 3 picnic tables at beach, w/ changing rooms (M + F)
- bike rack
- Playground - 2 playgrounds w/ 3 picnic tables, one w/ grill
- Beach
- 7 picnic areas by fish pier w/ grills

Recreation Inventory and Condition Assessment

Location: Hayward Canoe Portage Trail + Put-In Date: 5/1/2012

Hayward Hydroelectric Project P-2417

Survey Person: M. Sreen J Arbuckle

GPS Location: N4600563 W091.48509 NAD 83

Amenity Photo Numbers:

Shoreline Photo Numbers:

Entryway Photo Number:

Type of Amenity:	Quantity of Amenities:	Condition of Amenity:					Notes:	Barrier Free? (Y or N)
		-Missing-Needs Replacement (NR)						
		-Not Usable (N)						
		-Needs Repair (R)						
		-Needs Maintenance (M)						
-Good Working Condition (G)								
Boat Launch	<del>Launches: 1</del> 0 Launches: 1	NR	N	R	M	G		
Scenic Overlook	0	NR	N	R	M	G		
Tailwater Access	0	NR	N	R	M	G		
Restroom	0	NR	N	R	M	G		
Trash Receptacles	0	NR	N	R	M	G		NA
Other (picnic units, informal trails, camping, etc.)	<u>Portage</u>	NR	N	R	M	G	<u>Path clear &amp; marked</u>	

Parking	No. Spaces (each type):				Condition:	Notes:
	Standard:	Barrier-Free:	Trailer:	Other (specify):		
	<u>6</u>	<u>0</u>	<u>1</u>	<u>0</u>	N R M <u>G</u>	<u>Gravel?</u>

Signage:	Number:	Condition:	Comments: Provide Details on which signs need attention.
FERC Project Sign	<u>1</u>	NR N R M <u>G</u>	<u>at Dam take out</u>
Regulations Signs	<u>1</u>	<u>NR</u> N R M <u>G</u>	<u>Invasive sign in thrown in river</u>
Directional	<u>2</u>	NR N R M <u>G</u>	
Interpretive	<u>0</u>	NR N R M G	

Additional Comments:  
Describe any signs of overuse or anything observed that is not already documented above.

Recreation Inventory and Condition Assessment

Location: Hayward Canal Portage Take-out & Reservoir Carry-in Access Date: 5/1/2022

Hayward Hydroelectric Project P-2417

Survey Person: M. Snoon & J. Arbuckle

GPS Location: N 46.0064 W 091.48357 NAD 83

Amenity Photo Numbers:

Shoreline Photo Numbers:

Entryway Photo Number:

Type of Amenity:	Quantity of Amenities:	Condition of Amenity:					Notes:	Barrier Free? (Y or N)
		-Missing-Needs Replacement (NR)						
		-Not Usable (N)						
		-Needs Repair (R)						
		-Needs Maintenance (M)						
-Good Working Condition (G)								
Boat Launch	<del>1</del> <u>1</u>	NR	N	R	M	G		
Scenic Overlook	<u>1</u>	NR	N	R	M	<u>G</u>	<u>Informal</u>	
Tailwater Access	<u>1</u>	NR	N	R	M	G		
Restroom	<u>1</u>	NR	N	R	M	G		
Trash Receptacles	<u>1</u>	NR	N	R	M	G	NA	
Other (picnic units, informal trails, camping, etc.)	<u>Portage</u>	NR	N	R	M	<u>G</u>	<u>Clearly marked</u>	

Parking	No. Spaces (each type):				Condition:	Notes:
	Standard:	Barrier-Free:	Trailer:	Other (specify):		
	<u>20</u>		<u>8</u>		N R M G	Gravel?

Signage:	Number:	Condition:	Comments: Provide Details on which signs need attention.
FERC Project Sign	<u>1</u>	NR N R M <u>G</u>	
Regulations Signs	<u>1</u>	NR N R M <u>G</u>	
Directional	<u>1</u>	NR N R M <u>G</u>	
Interpretive	<u>1</u>	NR N R M G	

Additional Comments:  
Describe any signs of overuse or anything observed that is not already documented above.

Recreation Inventory and Condition Assessment

Location: Informal Tailwater Bank Fishing Area Date: 5/1/2022

Hayward Hydroelectric Project P-2417

Survey Person: M. Sween J Arbuckle

GPS Location: N46.00621 W091.48409 NAD83

Amenity Photo Numbers:

Shoreline Photo Numbers:

Entryway Photo Number:

Type of Amenity:	Quantity of Amenities:	Condition of Amenity:				Notes:	Barrier Free? (Y or N)
		-Missing-Needs Replacement (NR)	-Not Usable (N)	-Needs Repair (R)	-Needs Maintenance (M)		
Boat Launch	<del>Lanes: 1</del> <u>0</u> <del>Launches: 1</del>	NR	N	R	M	G	
Scenic Overlook	<u>1</u>	NR	N	R	M	<u>G</u>	<u>Informal</u>
Tailwater Access	<u>1</u>	NR	N	R	M	G	<u>Informal</u>
Restroom	<u>0</u>	NR	N	R	M	G	
Trash Receptacles	<u>0</u>	NR	N	R	M	G	NA
Other (picnic units, informal trails, camping, etc.)	<u>0</u>	NR	N	R	M	G	

Parking	No. Spaces (each type):				Condition:	Notes:
	Standard:	Barrier-Free:	Trailer:	Other (specify):		
	<u>10</u>	<u>0</u>			N R M G	Gravel?

Signage:	Number:	Condition:	Comments: Provide Details on which signs need attention.
FERC Project Sign	<u>1</u>	NR N <u>R</u> M <u>G</u>	<u>Just upstream of dam near portage</u>
Regulations Signs	<u>0</u>	NR N R M G	
Directional	<u>1</u>	NR N R M <u>G</u>	<u>Portage</u>
Interpretive	<u>0</u>	NR N R M G	

Additional Comments:  
Describe any signs of overuse or anything observed that is not already documented above.

Due to informal nature of access, no singular defined trail or signage.

take out

Recreation Inventory and Condition Assessment

Location: Town of Trego Park Boat Landing Date: 5/1/2022

Trego Hydroelectric Project P-2714

Survey Person: M. Sreen + J. Arbuckle

GPS Location: N 45.90969 W 096.82487 NAD 83 GRS 80

Amenity Photo Numbers:

Shoreline Photo Numbers:

Entryway Photo Number:

Type of Amenity:	Quantity of Amenities:	Condition of Amenity:				Notes:	Barrier Free? (Y or N)
		-Missing-Needs Replacement (NR)	-Not Usable (N)	-Needs Repair (R)	-Needs Maintenance (M)		
Boat Launch	Lanes: 1 Launches: 1	NR	N	R	M	<u>(G)</u>	
Scenic Overlook	<u>0</u>	<u>(NR)</u>	N	R	M	G	<u>NA</u>
Tailwater Access	<u>0</u>	<u>(NR)</u>	N	R	M	G	<u>NA</u>
Restroom	<u>0</u>	<u>(NR)</u>	N	R	M	G	
Trash Receptacles	<u>0</u>	<u>(NR)</u>	N	R	M	G	NA
Other (picnic units, informal trails, camping, etc.)	<u>0</u>	<u>(NR)</u>	N	R	M	G	<u>Garage</u>

Parking	No. Spaces (each type):				Condition:	Notes:
	Standard:	Barrier-Free:	Trailer:	Other (specify):		
	<u>20</u>	<u>1</u>	<u>6</u>		N R M <u>(G)</u>	<u>Gravel</u>

Signage:	Number:	Condition:	Comments: Provide Details on which signs need attention.
FERC Project Sign		<u>(NR)</u> N R M G	
Regulations Signs	<u>2</u>	NR N R <u>(M)</u> <u>(G)</u>	<u>One wood sign is difficult to read. One metal (no camping) good</u>
Directional	<u>2</u>	NR N R M <u>(G)</u>	<u>From road into site and from water</u>
Interpretive		<u>(NR)</u> N R M G	

Additional Comments:  
Describe any signs of overuse or anything observed that is not already documented above.

Useable access + parking, not including entry, 70' x 150'. Allowing for 2-way + turnaround, should accommodate 20 standard vehicle or 6 trailers, approx. Mostly along the margin

Recreation Inventory and Condition Assessment

Location: Trego Boat Landing Date: 5/1/2022

Trego Hydroelectric Project P-2711

Survey Person: M. Snoon J. Arbuckle

GPS Location: N 45.92152 W 091.86824 NAD83

Amenity Photo Numbers:

Shoreline Photo Numbers:

Entryway Photo Number:

Type of Amenity:	Quantity of Amenities:	Condition of Amenity:					Notes:	Barrier Free? (Y or N)
		-Missing-Needs Replacement (NR)	-Not Usable (N)	-Needs Repair (R)	-Needs Maintenance (M)	-Good Working Condition (G)		
Boat Launch	Lanes: 1 Launches: 1	NR	N	R	M	G		
Scenic Overlook	0	NR	N	R	M	G		
Tailwater Access	0	NR	N	R	M	G		
Restroom	0	NR	N	R	M	G		
Trash Receptacles	0	NR	N	R	M	G		NA
Other (picnic units, informal trails, camping, etc.)	1	NR	N	R	M	G	Dock	

Parking	No. Spaces (each type):				Condition:	Notes:
	Standard:	Barrier-Free:	Trailer:	Other (specify):		
	8	2	2		N R M (G)	Gravel?

Signage:	Number:	Condition:	Comments: Provide Details on which signs need attention.
FERC Project Sign	0	NR N R M G	
Regulations Signs	0	NR N R M (G)	
Directional:	0	NR N R M G	
Interpretive	1	NR N R M (G)	Posting - informative near water

Additional Comments:  
Describe any signs of overuse or anything observed that is not already documented above.

Recreation Inventory and Condition Assessment

Location: Trego South Tailwater Access Date: 5/1/2022

Trego Hydroelectric Project P-2711

Survey Person: M. Sney

GPS Location: N 45.94764 W 091.888891 NAD83

Amenity Photo Numbers:

Shoreline Photo Numbers:

Entryway Photo Number:

Type of Amenity:	Quantity of Amenities:	Condition of Amenity:					Notes:	Barrier Free? (Y or N)
		-Missing-Needs Replacement (NR)	-Not Usable (N)	-Needs Repair (R)	-Needs Maintenance (M)	-Good Working Condition (G)		
Boat Launch	lanes: 1 -Launches: 2	NR	N	R	M	G		
Scenic Overlook	1	NR	N	R	M	G		
Tailwater Access	1	NR	N	R	M	G		
Restroom	0	NR	N	R	M	G		
Trash Receptacles	0	NR	N	R	M	G		NA
Other (picnic units, informal trails, camping, etc.)	1	NR	N	R	M	G		

Parking	No. Spaces (each type):				Condition:	Notes:
	Standard:	Barrier-Free:	Trailer:	Other (specify):		
	4	0	0		N R M G	Paved Gravel?

Signage:	Number:	Condition:	Comments: Provide Details on which signs need attention.
FERC Project Sign	1	NR N R M G	
Regulations Signs	0	NR N R M G	
Directional	0	NR N R M G	
Interpretive	1	NR N R M G	Hazard

Additional Comments:  
Describe any signs of overuse or anything observed that is not already documented above.



Recreation Inventory and Condition Assessment

Location: Trego North Tailwater Access (Canoe Portage) Date: 5/1/2022

Trego Hydroelectric Project P-2711

Survey Person: M. Sneer + J Arbuckle

GPS Location: N45.94918 W091.88836 NAD 83

Amenity Photo Numbers:

Shoreline Photo Numbers:

Entryway Photo Number:

Type of Amenity:	Quantity of Amenities:	Condition of Amenity:				Notes:	Barrier Free? (Y or N)
		-Missing-Needs Replacement (NR)	-Not Usable (N)	-Needs Repair (R)	-Needs Maintenance (M)		
Boat Launch	Launches: <u>1</u> <input checked="" type="checkbox"/> Launches: <u>1</u>	NR	N	R	M	<u>G</u>	
Scenic Overlook	<u>1</u>	NR	N	R	M	<u>G</u>	
Tailwater Access	<u>1</u>	NR	N	R	M	<u>G</u>	
Restroom	<u>1</u>	NR	N	R	M	<u>G</u>	
Trash Receptacles		NR	N	R	M	<u>G</u>	<u>None as of 5/1</u>
Other (picnic units, informal trails, camping, etc.)	<u>1</u>	NR	N	R	M	<u>G</u>	<u>Canoe portage</u>

Parking	No. Spaces (each type):				Condition:	Notes:
	Standard:	Barrier-Free:	Trailer:	Other (specify):		
	<u>8</u>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N R M <u>G</u>	<u>Gravel?</u>

Signage:	Number:	Condition:	Comments: Provide Details on which signs need attention.
FERC Project Sign	<u>0</u>	<u>NR</u> N R M G	
Regulations Signs	<u>0</u>	NR N R M G	
Directional	<u>1</u>	NR N R M <u>G</u>	<u>Canoe Portage</u>
Interpretive	<u>1</u>	NR N R M <u>G</u>	<u>Hazard</u>

Additional Comments:  
Describe any signs of overuse or anything observed that is not already documented above.

**Appendix 5**  
**Recreation User Interview Raw Datasheets**

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ON-SITE/IN-PERSON RECREATION INTERVIEW

Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)

NPS Recreation Survey Questionnaire

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) PRIMARY ACTIVITY (Check <u>only one</u> )
Shoreline/tailwater fishing		
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing	X	X
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES
- NO

(B): If YES: What was it?

Ice fishing only

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(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

N/A

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input checked="" type="checkbox"/>
At a developed campground	1	2	3	4	5	<input checked="" type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input checked="" type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input checked="" type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_

N/A

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

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(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please **check** the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input checked="" type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input checked="" type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input checked="" type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input type="checkbox"/>	
Boat launch	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat dock	1	2	3	4	5	<input checked="" type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input checked="" type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	

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1003

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |  |
|--|--|
| <input type="checkbox"/> Federal or State website          | <input checked="" type="checkbox"/> Word of mouth                                      |
| <input type="checkbox"/> City, local, or municipal website | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.)                  |
| <input type="checkbox"/> Xcel website                      | <input type="checkbox"/> Travel guides and tour books                                  |
| <input type="checkbox"/> Other websites                    | <input type="checkbox"/> Newspaper/magazine article                                    |
| <input type="checkbox"/> Maps, brochures, pamphlets        | <input type="checkbox"/> Radio/TV broadcasts   |
| <input type="checkbox"/> Visitor bureaus/centers           | <input checked="" type="checkbox"/> Other (specify): <u>Hayward Boat &amp; Bait Co</u> |
| <input type="checkbox"/> Previous visits                   |  |

What is the ZIP code where you live or country if not in the United States?

ZIP code: 55129 or, country (if not the United States): \_\_\_\_\_

What is your age: 25

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> American Indian/Alaskan       | <input type="checkbox"/> Asian                  | <input checked="" type="checkbox"/> White <u>Black</u> |
| <input type="checkbox"/> Native Hawaiian/other Pacific | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know                    |
| <input type="checkbox"/> Black/African-American        | <input type="checkbox"/> Not Hispanic or Latino |  |

Please let us know if you have any additional comments regarding your recreation experience during your visit: (contact information)

First time here. Leaving to find another lake

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

10/2/2002 B  
1003

**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**  
**NPS Recreation Survey Questionnaire**

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.  
 (B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) PRIMARY ACTIVITY (Check <u>only one</u> )
Shoreline/tailwater fishing		
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing	X	X
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES       NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

N/A

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES  NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input type="checkbox"/>
At a developed campground	1	2	3	4	5	<input type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES  NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_



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1003

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please **check** the "Did Not Use" box, if you did not use the Item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	
Restroom	1	2	3	4	5	<input checked="" type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input checked="" type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input checked="" type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input type="checkbox"/>	
Boat launch	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat dock	1	2	3	4	5	<input checked="" type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input checked="" type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	

If you were dissatisfied for any reason, please explain why:

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1003 B

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |  |
|--|--|
| <input type="checkbox"/> Federal or State website          | <input type="checkbox"/> Word of mouth   |
| <input type="checkbox"/> City, local, or municipal website | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.)                |
| <input type="checkbox"/> Xcel website                      | <input type="checkbox"/> Travel guides and tour books                                |
| <input type="checkbox"/> Other websites                    | <input type="checkbox"/> Newspaper/magazine article                                  |
| <input type="checkbox"/> Maps, brochures, pamphlets        | <input type="checkbox"/> Radio/TV broadcasts   |
| <input type="checkbox"/> Visitor bureaus/centers           | <input checked="" type="checkbox"/> Other (specify): <u>Hayward Balt &amp; Bette</u> |
| <input type="checkbox"/> Previous visits                   |  |

What is the ZIP code where you live or country if not in the United States?

ZIP code: 54016 or, country (if not the United States): \_\_\_\_\_

What is your age: 21

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> American Indian/Alaskan       | <input type="checkbox"/> Asian                  | <input checked="" type="checkbox"/> White |
| <input type="checkbox"/> Native Hawaiian/other Pacific | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know       |
| <input type="checkbox"/> Black/African-American        | <input type="checkbox"/> Not Hispanic or Latino |   |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

First time here, no luck, leaving for another  
lake

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**ON-SITE/IN-PERSON RECREATION INTERVIEW**

**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**

**NPS Recreation Survey Questionnaire**

1230

~~1/22/2022~~ 1/22/2022

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) <u>PRIMARY ACTIVITY</u> (Check <u>only one</u> )
Shoreline/tailwater fishing		
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing	X	X
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES       NO

(B): If YES: What was it? \_\_\_\_\_

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(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input type="checkbox"/>
At a developed campground	1	2	3	4	5	<input type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Chose not to recreate
- Changed the time of day
- Continued with current plans
- Changed your activity
- Other: \_\_\_\_\_

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6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items **that you used during your current visit** to this specific recreation facility/reservoir. Also, please **check** the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input type="checkbox"/>	
Boat launch	1	2	3	4	5	<input type="checkbox"/>	
Boat dock	1	2	3	4	5	<input type="checkbox"/>	
Other: Access	1	2	3	4	5	<input type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	

1/22/2022  
1230

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Federal or State website          | <input checked="" type="checkbox"/> Word of mouth                                 |
| <input type="checkbox"/> City, local, or municipal website | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.)             |
| <input type="checkbox"/> Xcel website                      | <input type="checkbox"/> Travel guides and tour books                             |
| <input type="checkbox"/> Other websites                    | <input type="checkbox"/> Newspaper/magazine article                               |
| <input type="checkbox"/> Maps, brochures, pamphlets        | <input type="checkbox"/> Radio/TV broadcasts                                      |
| <input type="checkbox"/> Visitor bureaus/centers           | <input checked="" type="checkbox"/> Other (specify): <u>Seeing others fishing</u> |
| <input type="checkbox"/> Previous visits                   |   |

What is the ZIP code where you live or country if not in the United States?

ZIP code: 54755 or, country (if not the United States): \_\_\_\_\_

What is your age: 32

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> American Indian/Alaskan       | <input type="checkbox"/> Asian                  | <input checked="" type="checkbox"/> White |
| <input type="checkbox"/> Native Hawaiian/other Pacific | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know       |
| <input type="checkbox"/> Black/African-American        | <input type="checkbox"/> Not Hispanic or Latino |   |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

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**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**  
**NPS Recreation Survey Questionnaire**

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

(A) Which of these activities have you participated in on your current visit to the area.

(B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) PRIMARY ACTIVITY (Check <u>only one</u> )
Shoreline/tailwater fishing		
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)	<i>x</i>	<i>Dog walking</i>

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES       NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input type="checkbox"/>
At a developed campground	1	2	3	4	5	<input type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Chose not to recreate
- Changed the time of day
- Continued with current plans
- Changed your activity
- Other: \_\_\_\_\_



6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) Early morning walkers, Less crowds

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please check the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	
Restroom	1	2	3	4	5	<input checked="" type="checkbox"/>	Restroom could use improvement
Picnic sites	1	2	3	4	5	<input checked="" type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input checked="" type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat launch	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat dock	1	2	3	4	5	<input checked="" type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- Federal or State website
- City, local, or municipal website
- Xcel website
- Other websites
- Maps, brochures, pamphlets
- Visitor bureaus/centers
- Previous visits
- Word of mouth
- Social media (e.g., Facebook, Twitter, etc.)
- Travel guides and tour books
- Newspaper/magazine article
- Radio/TV broadcasts
- Other (specify): Local couple, Live minutes from location

What is the ZIP code where you live or country if not in the United States?

ZIP code: 54843 or, country (if not the United States): \_\_\_\_\_

What is your age: 75-77

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- American Indian/Alaskan
- Native Hawaiian/other Pacific
- Black/African-American
- Asian
- Hispanic or Latino
- Not Hispanic or Latino
- White
- Don't know

Please let us know if you have any additional comments regarding your recreation experience during your visit: (contact information)

Could try to lessen the Goose population  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**  
**NPS Recreation Survey Questionnaire**

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1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) PRIMARY ACTIVITY (Check <u>only one</u> )
Shoreline/tailwater fishing		
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)	X	Dog Walking

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES
- NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input type="checkbox"/>
At a developed campground	1	2	3	4	5	<input type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) early morning walks

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items **that you used during your current visit** to this specific recreation facility/reservoir. Also, please check the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input checked="" type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input checked="" type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input checked="" type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat launch	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat dock	1	2	3	4	5	<input checked="" type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |  |
|--|--|
| <input type="checkbox"/> Federal or State website          | <input type="checkbox"/> Word of mouth   |
| <input type="checkbox"/> City, local, or municipal website | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.)                  |
| <input type="checkbox"/> Xcel website                      | <input type="checkbox"/> Travel guides and tour books                                  |
| <input type="checkbox"/> Other websites                    | <input type="checkbox"/> Newspaper/magazine article                                    |
| <input type="checkbox"/> Maps, brochures, pamphlets        | <input type="checkbox"/> Radio/TV broadcasts   |
| <input type="checkbox"/> Visitor bureaus/centers           | <input checked="" type="checkbox"/> Other (specify): <u>Local man, knows area well</u> |
| <input type="checkbox"/> Previous visits                   | <u>Lived here whole life</u>   |

What is the ZIP code where you live or country if not in the United States?

ZIP code: 54843 or, country (if not the United States): \_\_\_\_\_

What is your age: 55

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> American Indian/Alaskan       | <input type="checkbox"/> Asian                  | <input checked="" type="checkbox"/> White |
| <input type="checkbox"/> Native Hawaiian/other Pacific | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know       |
| <input type="checkbox"/> Black/African-American        | <input type="checkbox"/> Not Hispanic or Latino |   |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

Geese Issue, Lots of Goose poop in the park/Paths around Park.  
Made a general comment about having a local in town campground.

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**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
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1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) <u>PRIMARY ACTIVITY</u> (Check <u>only one</u> )
Shoreline/tailwater fishing	✓	✓
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES
- NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input checked="" type="checkbox"/>
At a developed campground	1	2	3	4	5	<input checked="" type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input checked="" type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_



6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please **check** the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat launch	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat dock	1	2	3	4	5	<input checked="" type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- Federal or State website
- City, local, or municipal website
- Xcel website
- Other websites
- Maps, brochures, pamphlets
- Visitor bureaus/centers
- Previous visits
- Word of mouth
- Social media (e.g., Facebook, Twitter, etc.)
- Travel guides and tour books
- Newspaper/magazine article
- Radio/TV broadcasts
- Other (specify): I live here

What is the ZIP code where you live or country if not in the United States?

ZIP code: 59843 or, country (if not the United States): \_\_\_\_\_

What is your age: 45

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- American Indian/Alaskan
- Native Hawaiian/other Pacific
- Black/African-American
- Asian
- Hispanic or Latino
- Not Hispanic or Latino
- White
- Don't know

Please let us know if you have any additional comments regarding your recreation experience during your visit: (contact information)

Tables in picknick area are warped  
would like to see garbage cans

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1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) PRIMARY ACTIVITY (Check <u>only one</u> )
Shoreline/tailwater fishing		
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing	✓	✓
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES
- NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input checked="" type="checkbox"/>
At a developed campground	1	2	3	4	5	<input type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input checked="" type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please **check** the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input checked="" type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input checked="" type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input checked="" type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat launch	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat dock	1	2	3	4	5	<input checked="" type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- Federal or State website
- City, local, or municipal website
- Xcel website
- Other websites
- Maps, brochures, pamphlets
- Visitor bureaus/centers
- Previous visits
- Word of mouth
- Social media (e.g., Facebook, Twitter, etc.)
- Travel guides and tour books
- Newspaper/magazine article
- Radio/TV broadcasts
- Other (specify): \_\_\_\_\_

What is the ZIP code where you live or country if not in the United States?

ZIP code: 54843 or, country (if not the United States): \_\_\_\_\_

What is your age: \_\_\_\_\_

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- American Indian/Alaskan
- Native Hawaiian/other Pacific
- Black/African-American
- Asian
- Hispanic or Latino
- Not Hispanic or Latino
- White
- Don't know

Please let us know if you have any additional comments regarding your recreation experience during your visit: (contact information)

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**  
**NPS Recreation Survey Questionnaire**

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) <u>PRIMARY ACTIVITY</u> (Check <u>only one</u> )
Shoreline/tailwater fishing		
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)	✓	✓

*Jogging*

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES
- NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input type="checkbox"/>
At a developed campground	1	2	3	4	5	<input type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input checked="" type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input checked="" type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_



6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please check the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input type="checkbox"/>	
Picnic sites	2	2	3	4	5	<input type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat launch	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat dock	1	2	3	4	5	<input checked="" type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Federal or State website          | <input type="checkbox"/> Word of mouth                                |
| <input type="checkbox"/> City, local, or municipal website | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.) |
| <input type="checkbox"/> Xcel website                      | <input type="checkbox"/> Travel guides and tour books                 |
| <input type="checkbox"/> Other websites                    | <input type="checkbox"/> Newspaper/magazine article                   |
| <input type="checkbox"/> Maps, brochures, pamphlets        | <input type="checkbox"/> Radio/TV broadcasts                          |
| <input type="checkbox"/> Visitor bureaus/centers           | <input type="checkbox"/> Other (specify): _____                       |
| <input checked="" type="checkbox"/> Previous visits        |   |

What is the ZIP code where you live or country if not in the United States?

ZIP code: \_\_\_\_\_ or, country (if not the United States): \_\_\_\_\_

What is your age: \_\_\_\_\_

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> American Indian/Alaskan       | <input type="checkbox"/> Asian                  | <input checked="" type="checkbox"/> White |
| <input type="checkbox"/> Native Hawaiian/other Pacific | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know       |
| <input type="checkbox"/> Black/African-American        | <input type="checkbox"/> Not Hispanic or Latino |   |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

great Area for Jogging.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**  
**NPS Recreation Survey Questionnaire**

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1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) <u>PRIMARY ACTIVITY</u> (Check <u>only one</u> )
Shoreline/tailwater fishing		
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)	✓	✓

*Playing on Castle House Jungle Jim with kids*

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES
- NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input type="checkbox"/>
At a developed campground	1	2	3	4	5	<input type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input checked="" type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input checked="" type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please **check** the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat launch	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat dock	1	2	3	4	5	<input checked="" type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Federal or State website          | <input type="checkbox"/> Word of mouth                                |
| <input type="checkbox"/> City, local, or municipal website | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.) |
| <input type="checkbox"/> Xcel website                      | <input type="checkbox"/> Travel guides and tour books                 |
| <input type="checkbox"/> Other websites                    | <input type="checkbox"/> Newspaper/magazine article                   |
| <input type="checkbox"/> Maps, brochures, pamphlets        | <input type="checkbox"/> Radio/TV broadcasts                          |
| <input type="checkbox"/> Visitor bureaus/centers           | <input type="checkbox"/> Other (specify): _____                       |
| <input checked="" type="checkbox"/> Previous visits        |   |

What is the ZIP code where you live or country if not in the United States?

ZIP code: \_\_\_\_\_ or, country (if not the United States): \_\_\_\_\_

What is your age: 32

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> American Indian/Alaskan       | <input type="checkbox"/> Asian                  | <input checked="" type="checkbox"/> White |
| <input type="checkbox"/> Native Hawaiian/other Pacific | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know       |
| <input type="checkbox"/> Black/African-American        | <input type="checkbox"/> Not Hispanic or Latino |   |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

~~\_\_\_\_\_~~  
~~\_\_\_\_\_~~  
~~\_\_\_\_\_~~  
~~\_\_\_\_\_~~

**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
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1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
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- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) PRIMARY ACTIVITY (Check <u>only one</u> )
Shoreline/tailwater fishing		
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing	✓	✓
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES       NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage/due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input type="checkbox"/>
At a developed campground	1	2	3	4	5	<input checked="" type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input checked="" type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input checked="" type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_



6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please **check** the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
	1	2	3	4	5	<input type="checkbox"/>	
Restroom	1	2	3	4	5	<input type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input checked="" type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat launch	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat dock	1	2	3	4	5	<input checked="" type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Federal or State website          | <input type="checkbox"/> Word of mouth                                |
| <input type="checkbox"/> City, local, or municipal website | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.) |
| <input type="checkbox"/> Xcel website                      | <input type="checkbox"/> Travel guides and tour books                 |
| <input type="checkbox"/> Other websites                    | <input type="checkbox"/> Newspaper/magazine article                   |
| <input type="checkbox"/> Maps, brochures, pamphlets        | <input type="checkbox"/> Radio/TV broadcasts                          |
| <input type="checkbox"/> Visitor bureaus/centers           | <input type="checkbox"/> Other (specify): _____                       |
| <input checked="" type="checkbox"/> Previous visits        |   |

What is the ZIP code where you live or country if not in the United States?

ZIP code: 54843 or, country (if not the United States): \_\_\_\_\_

What is your age: 29

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> American Indian/Alaskan       | <input type="checkbox"/> Asian                  | <input checked="" type="checkbox"/> White |
| <input type="checkbox"/> Native Hawaiian/other Pacific | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know       |
| <input type="checkbox"/> Black/African-American        | <input type="checkbox"/> Not Hispanic or Latino |   |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

wants wifi public hot spot  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**  
**NPS Recreation Survey Questionnaire**

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.  
 (B) Which **ONE** of these activities is your **PRIMARY ACTIVITY** on this trip to the area?

ACTIVITY	(A) Participated in <b>ON THIS TRIP</b> (Check <u>all</u> that apply)	(B) <b>PRIMARY ACTIVITY</b> (Check <u>only one</u> )
Shoreline/tailwater fishing		
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)	✓	✓

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES       NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input type="checkbox"/>
At a developed campground	1	2	3	4	5	<input checked="" type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input checked="" type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input checked="" type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please **check** the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	
Restroom	1	2	3	4	5	<input type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat launch	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat dock	1	2	3	4	5	<input checked="" type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	

If you were dissatisfied for any reason, please explain why:

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Federal or State website          | <input type="checkbox"/> Word of mouth                                |
| <input type="checkbox"/> City, local, or municipal website | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.) |
| <input type="checkbox"/> Xcel website                      | <input type="checkbox"/> Travel guides and tour books                 |
| <input type="checkbox"/> Other websites                    | <input type="checkbox"/> Newspaper/magazine article                   |
| <input type="checkbox"/> Maps, brochures, pamphlets        | <input type="checkbox"/> Radio/TV broadcasts                          |
| <input type="checkbox"/> Visitor bureaus/centers           | <input type="checkbox"/> Other (specify): _____                       |
| <input checked="" type="checkbox"/> Previous visits        |   |

What is the ZIP code where you live or country if not in the United States?

ZIP code: 54876 or, country (if not the United States): \_\_\_\_\_

What is your age: 26

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> American Indian/Alaskan       | <input type="checkbox"/> Asian                  | <input checked="" type="checkbox"/> White |
| <input type="checkbox"/> Native Hawaiian/other Pacific | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know       |
| <input type="checkbox"/> Black/African-American        | <input type="checkbox"/> Not Hispanic or Latino |   |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

good park,  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**  
**NPS Recreation Survey Questionnaire**

6-20

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.  
 (B) Which **ONE** of these activities is your **PRIMARY ACTIVITY** on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) PRIMARY ACTIVITY (Check <u>only one</u> )
Shoreline/tailwater fishing	✓	
Fishing from a boat	✓	
Motorized boating		
Non-motorized boating		
Swimming	✓	✓
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES       NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input checked="" type="checkbox"/>
At a developed campground	1	2	3	4	5	<input checked="" type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_



6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please **check** the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input checked="" type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input checked="" type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input checked="" type="checkbox"/>	
Vehicle parking areas	①	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	②	3	4	5	<input type="checkbox"/>	
Boat launch	1	②	3	4	5	<input type="checkbox"/>	
Boat dock	1	2	3	4	5	<input checked="" type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	
Roads to facility	①	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	①	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	①	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Federal or State website          | <input checked="" type="checkbox"/> Word of mouth                     |
| <input type="checkbox"/> City, local, or municipal website | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.) |
| <input type="checkbox"/> Xcel website                      | <input type="checkbox"/> Travel guides and tour books                 |
| <input type="checkbox"/> Other websites                    | <input type="checkbox"/> Newspaper/magazine article                   |
| <input type="checkbox"/> Maps, brochures, pamphlets        | <input type="checkbox"/> Radio/TV broadcasts                          |
| <input type="checkbox"/> Visitor bureaus/centers           | <input type="checkbox"/> Other (specify): _____                       |
| <input type="checkbox"/> Previous visits                   |   |

What is the ZIP code where you live or country if not in the United States?

ZIP code: 54843 or, country (if not the United States): \_\_\_\_\_

What is your age: 33

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> American Indian/Alaskan       | <input type="checkbox"/> Asian                  | <input checked="" type="checkbox"/> White |
| <input type="checkbox"/> Native Hawaiian/other Pacific | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know       |
| <input type="checkbox"/> Black/African-American        | <input type="checkbox"/> Not Hispanic or Latino |   |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

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**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**  
**NPS Recreation Survey Questionnaire**

6-20

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.  
 (B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) <u>PRIMARY ACTIVITY</u> (Check <u>only one</u> )
Shoreline/tailwater fishing	✓	✓
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES       NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input checked="" type="checkbox"/>
At a developed campground	1	2	3	4	5	<input checked="" type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input checked="" type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Chose not to recreate
- Changed the time of day
- Continued with current plans
- Changed your activity
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please **check** the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input checked="" type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input checked="" type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input checked="" type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat launch	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat dock	1	2	3	4	5	<input checked="" type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Federal or State website          | <input checked="" type="checkbox"/> Word of mouth                     |
| <input type="checkbox"/> City, local, or municipal website | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.) |
| <input type="checkbox"/> Xcel website                      | <input type="checkbox"/> Travel guides and tour books                 |
| <input type="checkbox"/> Other websites                    | <input type="checkbox"/> Newspaper/magazine article                   |
| <input type="checkbox"/> Maps, brochures, pamphlets        | <input type="checkbox"/> Radio/TV broadcasts                          |
| <input type="checkbox"/> Visitor bureaus/centers           | <input type="checkbox"/> Other (specify): _____                       |
| <input type="checkbox"/> Previous visits                   |   |

What is the ZIP code where you live or country if not in the United States?

ZIP code: 54843 or, country (if not the United States): \_\_\_\_\_

What is your age: 39

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |   |   |                                     |
|---|---|-------------------------------------|
| <input checked="" type="checkbox"/> American Indian/Alaskan | <input type="checkbox"/> Asian                  | <input type="checkbox"/> White      |
| <input type="checkbox"/> Native Hawaiian/other Pacific      | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know |
| <input type="checkbox"/> Black/African-American             | <input type="checkbox"/> Not Hispanic or Latino |                                     |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

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**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**

6-20

**NPS Recreation Survey Questionnaire**

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1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) <u>PRIMARY ACTIVITY</u> (Check <u>only one</u> )
Shoreline/tailwater fishing		
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming	✓	✓
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES       NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input type="checkbox"/>
At a developed campground	1	2	3	4	5	<input type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input checked="" type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input checked="" type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Chose not to recreate
- Changed the time of day
- Continued with current plans
- Changed your activity
- Other: \_\_\_\_\_



6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please **check** the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat launch	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat dock	1	2	3	4	5	<input checked="" type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Federal or State website          | <input checked="" type="checkbox"/> Word of mouth                     |
| <input type="checkbox"/> City, local, or municipal website | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.) |
| <input type="checkbox"/> Xcel website                      | <input type="checkbox"/> Travel guides and tour books                 |
| <input type="checkbox"/> Other websites                    | <input type="checkbox"/> Newspaper/magazine article                   |
| <input type="checkbox"/> Maps, brochures, pamphlets        | <input type="checkbox"/> Radio/TV broadcasts                          |
| <input type="checkbox"/> Visitor bureaus/centers           | <input type="checkbox"/> Other (specify): _____                       |
| <input type="checkbox"/> Previous visits                   |   |

What is the ZIP code where you live or country if not in the United States?

ZIP code: 54848 or, country (if not the United States): \_\_\_\_\_

What is your age: 27

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |  |   |                                     |
|--|---|-------------------------------------|
| <input type="checkbox"/> American Indian/Alaskan       | <input checked="" type="checkbox"/> Asian       | <input type="checkbox"/> White      |
| <input type="checkbox"/> Native Hawaiian/other Pacific | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know |
| <input type="checkbox"/> Black/African-American        | <input type="checkbox"/> Not Hispanic or Latino |                                     |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

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**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**  
**NPS Recreation Survey Questionnaire**

6-20

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.  
 (B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) PRIMARY ACTIVITY (Check <u>only one</u> )
Shoreline/tailwater fishing		
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming	✓	✓
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES       NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input checked="" type="checkbox"/>
At a developed campground	1	2	3	4	5	<input type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input checked="" type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input checked="" type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please check the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat launch	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat dock	1	2	3	4	5	<input checked="" type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Federal or State website          | <input checked="" type="checkbox"/> Word of mouth                     |
| <input type="checkbox"/> City, local, or municipal website | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.) |
| <input type="checkbox"/> Xcel website                      | <input type="checkbox"/> Travel guides and tour books                 |
| <input type="checkbox"/> Other websites                    | <input type="checkbox"/> Newspaper/magazine article                   |
| <input type="checkbox"/> Maps, brochures, pamphlets        | <input type="checkbox"/> Radio/TV broadcasts                          |
| <input type="checkbox"/> Visitor bureaus/centers           | <input type="checkbox"/> Other (specify): _____                       |
| <input type="checkbox"/> Previous visits                   |   |

What is the ZIP code where you live or country if not in the United States?

ZIP code: 54842 or, country (if not the United States): \_\_\_\_\_

What is your age: 19

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> American Indian/Alaskan       | <input type="checkbox"/> Asian                  | <input checked="" type="checkbox"/> White |
| <input type="checkbox"/> Native Hawaiian/other Pacific | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know       |
| <input type="checkbox"/> Black/African-American        | <input type="checkbox"/> Not Hispanic or Latino |   |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

would like to see the Random Trash  
picked up.

**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**

6-20

**NPS Recreation Survey Questionnaire**

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) <u>PRIMARY ACTIVITY</u> (Check <u>only one</u> )
Shoreline/tailwater fishing		
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming	✓	✓
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES       NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input checked="" type="checkbox"/>
At a developed campground	1	2	3	4	5	<input type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input checked="" type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input checked="" type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_



6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please check the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat launch	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat dock	1	2	3	4	5	<input checked="" type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Federal or State website          | <input checked="" type="checkbox"/> Word of mouth                     |
| <input type="checkbox"/> City, local, or municipal website | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.) |
| <input type="checkbox"/> Xcel website                      | <input type="checkbox"/> Travel guides and tour books                 |
| <input type="checkbox"/> Other websites                    | <input type="checkbox"/> Newspaper/magazine article                   |
| <input type="checkbox"/> Maps, brochures, pamphlets        | <input type="checkbox"/> Radio/TV broadcasts                          |
| <input type="checkbox"/> Visitor bureaus/centers           | <input type="checkbox"/> Other (specify): _____                       |
| <input type="checkbox"/> Previous visits                   |   |

What is the ZIP code where you live or country if not in the United States?

ZIP code: 54843 or, country (if not the United States): \_\_\_\_\_

What is your age: 41

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> American Indian/Alaskan       | <input type="checkbox"/> Asian                  | <input checked="" type="checkbox"/> White |
| <input type="checkbox"/> Native Hawaiian/other Pacific | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know       |
| <input type="checkbox"/> Black/African-American        | <input type="checkbox"/> Not Hispanic or Latino |   |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

would like the bathrooms to have timers  
on the fassets holding a button while trying  
to wash your hands is difficult.

**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**  
**NPS Recreation Survey Questionnaire**

6-20

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Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
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- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) PRIMARY ACTIVITY (Check <u>only one</u> )
Shoreline/tailwater fishing		
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming	✓	✓
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES       NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input type="checkbox"/>
At a developed campground	1	2	3	4	5	<input type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input checked="" type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input checked="" type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please **check** the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat launch	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat dock	1	2	3	4	5	<input checked="" type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Federal or State website          | <input checked="" type="checkbox"/> Word of mouth                     |
| <input type="checkbox"/> City, local, or municipal website | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.) |
| <input type="checkbox"/> Xcel website                      | <input type="checkbox"/> Travel guides and tour books                 |
| <input type="checkbox"/> Other websites                    | <input type="checkbox"/> Newspaper/magazine article                   |
| <input type="checkbox"/> Maps, brochures, pamphlets        | <input type="checkbox"/> Radio/TV broadcasts                          |
| <input type="checkbox"/> Visitor bureaus/centers           | <input type="checkbox"/> Other (specify): _____                       |
| <input type="checkbox"/> Previous visits                   |   |

What is the ZIP code where you live or country if not in the United States?

ZIP code: 54843 or, country (if not the United States): \_\_\_\_\_

What is your age: 37

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |   |   |                                     |
|---|---|-------------------------------------|
| <input checked="" type="checkbox"/> American Indian/Alaskan | <input type="checkbox"/> Asian                  | <input type="checkbox"/> White      |
| <input type="checkbox"/> Native Hawaiian/other Pacific      | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know |
| <input type="checkbox"/> Black/African-American             | <input type="checkbox"/> Not Hispanic or Latino |                                     |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

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**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**  
**NPS Recreation Survey Questionnaire**

7-5-22

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.  
 (B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) <u>PRIMARY ACTIVITY</u> (Check <u>only one</u> )
Shoreline/tailwater fishing		
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify) <i>dog swimming</i>	<i>P</i>	

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES       NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input checked="" type="checkbox"/>
At a developed campground	1	2	3	4	5	<input type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input checked="" type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input checked="" type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_



6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please check the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input type="checkbox"/>	No trash can
Picnic sites	1	2	3	4	5	<input type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat launch	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat dock	1	2	3	4	5	<input checked="" type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Federal or State website          | <input type="checkbox"/> Word of mouth                                |
| <input type="checkbox"/> City, local, or municipal website | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.) |
| <input type="checkbox"/> Xcel website                      | <input type="checkbox"/> Travel guides and tour books                 |
| <input type="checkbox"/> Other websites                    | <input type="checkbox"/> Newspaper/magazine article                   |
| <input type="checkbox"/> Maps, brochures, pamphlets        | <input type="checkbox"/> Radio/TV broadcasts                          |
| <input type="checkbox"/> Visitor bureaus/centers           | <input type="checkbox"/> Other (specify): _____                       |
| <input checked="" type="checkbox"/> Previous visits        |   |

What is the ZIP code where you live or country if not in the United States?

ZIP code: 54843 or, country (if not the United States): \_\_\_\_\_

What is your age: 38

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> American Indian/Alaskan       | <input type="checkbox"/> Asian                  | <input checked="" type="checkbox"/> White |
| <input type="checkbox"/> Native Hawaiian/other Pacific | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know       |
| <input type="checkbox"/> Black/African-American        | <input type="checkbox"/> Not Hispanic or Latino |   |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

would like Trash Recepticals  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**

7-5-22

**NPS Recreation Survey Questionnaire**

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) PRIMARY ACTIVITY (Check <u>only one</u> )
Shoreline/tailwater fishing		
Fishing from a boat		S
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify) <u>Kayaking</u>	<u>P</u>	

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

YES

NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input type="checkbox"/>
At a developed campground	1	2	3	4	5	<input checked="" type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input checked="" type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input checked="" type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Chose not to recreate
- Changed the time of day
- Continued with current plans
- Changed your activity
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items **that you used during your current visit** to this specific recreation facility/reservoir. Also, please **check** the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input checked="" type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input checked="" type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input checked="" type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat launch	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat dock	1	2	3	4	5	<input checked="" type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Federal or State website          | <input checked="" type="checkbox"/> Word of mouth                     |
| <input type="checkbox"/> City, local, or municipal website | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.) |
| <input type="checkbox"/> Xcel website                      | <input type="checkbox"/> Travel guides and tour books                 |
| <input type="checkbox"/> Other websites                    | <input type="checkbox"/> Newspaper/magazine article                   |
| <input type="checkbox"/> Maps, brochures, pamphlets        | <input type="checkbox"/> Radio/TV broadcasts                          |
| <input type="checkbox"/> Visitor bureaus/centers           | <input type="checkbox"/> Other (specify): _____                       |
| <input type="checkbox"/> Previous visits                   |   |

What is the ZIP code where you live or country if not in the United States?

ZIP code: 54875 or, country (if not the United States): \_\_\_\_\_

What is your age: 36

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |   |   |                                     |
|---|---|-------------------------------------|
| <input checked="" type="checkbox"/> American Indian/Alaskan | <input type="checkbox"/> Asian                  | <input type="checkbox"/> White      |
| <input type="checkbox"/> Native Hawaiian/other Pacific      | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know |
| <input type="checkbox"/> Black/African-American             | <input type="checkbox"/> Not Hispanic or Latino |                                     |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

N/A

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**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**  
**NPS Recreation Survey Questionnaire**

7-9-22

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.  
 (B) Which **ONE** of these activities is your **PRIMARY ACTIVITY** on this trip to the area?

ACTIVITY	(A) Participated in <b>ON THIS TRIP</b> (Check <u>all</u> that apply)	(B) PRIMARY ACTIVITY (Check <u>only one</u> )
Shoreline/tailwater fishing		
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming	✓	✓
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES       NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?  
 (Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input type="checkbox"/>
At a developed campground	1	2	3	4	5	<input type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_



6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items **that you used during your current visit** to this specific recreation facility/reservoir. Also, please **check** the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input checked="" type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input checked="" type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat launch	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat dock	1	2	3	4	5	<input checked="" type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Federal or State website          | <input type="checkbox"/> Word of mouth                                |
| <input type="checkbox"/> City, local, or municipal website | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.) |
| <input type="checkbox"/> Xcel website                      | <input type="checkbox"/> Travel guides and tour books                 |
| <input type="checkbox"/> Other websites                    | <input type="checkbox"/> Newspaper/magazine article                   |
| <input type="checkbox"/> Maps, brochures, pamphlets        | <input type="checkbox"/> Radio/TV broadcasts                          |
| <input type="checkbox"/> Visitor bureaus/centers           | <input type="checkbox"/> Other (specify): _____                       |
| <input checked="" type="checkbox"/> Previous visits        |   |

What is the ZIP code where you live or country if not in the United States?

ZIP code: 54875 or, country (if not the United States): \_\_\_\_\_

What is your age: 19

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |   |   |                                     |
|---|---|-------------------------------------|
| <input checked="" type="checkbox"/> American Indian/Alaskan | <input type="checkbox"/> Asian                  | <input type="checkbox"/> White      |
| <input type="checkbox"/> Native Hawaiian/other Pacific      | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know |
| <input type="checkbox"/> Black/African-American             | <input type="checkbox"/> Not Hispanic or Latino |                                     |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

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**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**

7 - 9 - 22

**NPS Recreation Survey Questionnaire**

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which **ONE** of these activities is your **PRIMARY ACTIVITY** on this trip to the area?

ACTIVITY	(A) Participated in <b>ON THIS TRIP</b> (Check <u>all</u> that apply)	(B) PRIMARY ACTIVITY (Check <u>only one</u> )
Shoreline/tailwater fishing		
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming	✓	✓
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES       NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input type="checkbox"/>
At a developed campground	1	2	3	4	5	<input type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please check the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input checked="" type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input checked="" type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat launch	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat dock	1	2	3	4	5	<input checked="" type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Federal or State website          | <input type="checkbox"/> Word of mouth                                |
| <input type="checkbox"/> City, local, or municipal website | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.) |
| <input type="checkbox"/> Xcel website                      | <input type="checkbox"/> Travel guides and tour books                 |
| <input type="checkbox"/> Other websites                    | <input type="checkbox"/> Newspaper/magazine article                   |
| <input type="checkbox"/> Maps, brochures, pamphlets        | <input type="checkbox"/> Radio/TV broadcasts                          |
| <input type="checkbox"/> Visitor bureaus/centers           | <input type="checkbox"/> Other (specify): _____                       |
| <input checked="" type="checkbox"/> Previous visits        |   |

What is the ZIP code where you live or country if not in the United States?

ZIP code: 54875 or, country (if not the United States): \_\_\_\_\_

What is your age: 18

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |   |   |                                     |
|---|---|-------------------------------------|
| <input checked="" type="checkbox"/> American Indian/Alaskan | <input type="checkbox"/> Asian                  | <input type="checkbox"/> White      |
| <input type="checkbox"/> Native Hawaiian/other Pacific      | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know |
| <input type="checkbox"/> Black/African-American             | <input type="checkbox"/> Not Hispanic or Latino |                                     |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

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**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**

7-9-22

**NPS Recreation Survey Questionnaire**

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) <u>PRIMARY ACTIVITY</u> (Check <u>only one</u> )
Shoreline/tailwater fishing		
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming	✓	✓
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES       NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded 1	Slightly crowded 2	Moderately crowded 3	Very crowded 4	Extremely crowded 5	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input type="checkbox"/>
At a developed campground	1	2	3	4	5	<input checked="" type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input checked="" type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input checked="" type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_



6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please check the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input checked="" type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input checked="" type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat launch	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat dock	1	2	3	4	5	<input checked="" type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Federal or State website          | <input type="checkbox"/> Word of mouth                                |
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What is the ZIP code where you live or country if not in the United States?

ZIP code: 54875 or, country (if not the United States): \_\_\_\_\_

What is your age: 18

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |   |   |                                     |
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| <input type="checkbox"/> Native Hawaiian/other Pacific      | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know |
| <input type="checkbox"/> Black/African-American             | <input type="checkbox"/> Not Hispanic or Latino |                                     |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

want booyees for lake beach.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**

7-9-22

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- City of Hayward Boat Landing
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- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) PRIMARY ACTIVITY (Check <u>only one</u> )
Shoreline/tailwater fishing		
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming	✓	✓
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES       NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each, or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input type="checkbox"/>
At a developed campground	1	2	3	4	5	<input type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

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- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

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9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
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What is the ZIP code where you live or country if not in the United States?

ZIP code: 59875 or, country (if not the United States): \_\_\_\_\_

What is your age: 18

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Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

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|---|---|-------------------------------------|
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| <input type="checkbox"/> Black/African-American             | <input type="checkbox"/> Not Hispanic or Latino |                                     |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

~~\_\_\_\_\_~~  
~~\_\_\_\_\_~~  
~~\_\_\_\_\_~~  
~~\_\_\_\_\_~~

**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**

7-9-22

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Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

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(B): If YES: What was it? \_\_\_\_\_

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- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

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At a developed campground	1	2	3	4	5	<input type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_



6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please check the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input checked="" type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input checked="" type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat launch	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat dock	1	2	3	4	5	<input checked="" type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Federal or State website          | <input checked="" type="checkbox"/> Word of mouth                     |
| <input type="checkbox"/> City, local, or municipal website | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.) |
| <input type="checkbox"/> Xcel website                      | <input type="checkbox"/> Travel guides and tour books                 |
| <input type="checkbox"/> Other websites                    | <input type="checkbox"/> Newspaper/magazine article                   |
| <input type="checkbox"/> Maps, brochures, pamphlets        | <input type="checkbox"/> Radio/TV broadcasts                          |
| <input type="checkbox"/> Visitor bureaus/centers           | <input type="checkbox"/> Other (specify): _____                       |
| <input type="checkbox"/> Previous visits                   |   |

What is the ZIP code where you live or country if not in the United States?

ZIP code: 54875 or, country (if not the United States): \_\_\_\_\_

What is your age: 23

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> American Indian/Alaskan       | <input type="checkbox"/> Asian                  | <input checked="" type="checkbox"/> White |
| <input type="checkbox"/> Native Hawaiian/other Pacific | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know       |
| <input type="checkbox"/> Black/African-American        | <input type="checkbox"/> Not Hispanic or Latino |   |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

~~\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_~~

8/6/2022

**Attachment 3  
Hayward and Trego  
Recreation Use Survey Form**

8/6/2022

**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**  
**NPS Recreation Survey Questionnaire**

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) <u>PRIMARY ACTIVITY</u> (Check <u>only one</u> )
Shoreline/tailwater fishing	X	X
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES       NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input type="checkbox"/>
At a developed campground	1	2	3	4	5	<input type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Chose not to recreate
- Changed the time of day
- Continued with current plans
- Changed your activity
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please **check** the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input checked="" type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input checked="" type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input checked="" type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat launch	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat dock	1	2	3	4	5	<input checked="" type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	
Roads to facility	①	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	①	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	①	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Federal or State website          | <input type="checkbox"/> Word of mouth                                |
| <input type="checkbox"/> City, local, or municipal website | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.) |
| <input type="checkbox"/> Xcel website                      | <input type="checkbox"/> Travel guides and tour books                 |
| <input type="checkbox"/> Other websites                    | <input type="checkbox"/> Newspaper/magazine article                   |
| <input type="checkbox"/> Maps, brochures, pamphlets        | <input type="checkbox"/> Radio/TV broadcasts                          |
| <input type="checkbox"/> Visitor bureaus/centers           | <input type="checkbox"/> Other (specify): _____                       |
| <input checked="" type="checkbox"/> Previous visits        |   |

What is the ZIP code where you live or country if not in the United States?

ZIP code: 54751 or, country (if not the United States): \_\_\_\_\_

What is your age: 20-25

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> American Indian/Alaskan       | <input type="checkbox"/> Asian                  | <input checked="" type="checkbox"/> White |
| <input type="checkbox"/> Native Hawaiian/other Pacific | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know       |
| <input type="checkbox"/> Black/African-American        | <input type="checkbox"/> Not Hispanic or Latino |   |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

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**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**

**NPS Recreation Survey Questionnaire**

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

(A) Which of these activities have you participated in on your current visit to the area.

(B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) <u>PRIMARY ACTIVITY</u> (Check <u>only one</u> )
Shoreline/tailwater fishing		
Fishing from a boat	X	X
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES       NO

(B): If YES: What was it? \_\_\_\_\_



(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input type="checkbox"/>
At a developed campground	1	2	3	4	5	<input type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Chose not to recreate
- Changed the time of day
- Continued with current plans
- Changed your activity
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items **that you used during your current visit** to this specific recreation facility/reservoir. Also, please **check the "Did Not Use" box**, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input checked="" type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input checked="" type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input checked="" type="checkbox"/>	
Vehicle parking areas	1	②	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	②	3	4	5	<input type="checkbox"/>	
Boat launch	1	②	3	4	5	<input type="checkbox"/>	
Boat dock	1	②	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	
Roads to facility	1	②	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	②	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	②	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Federal or State website          | <input type="checkbox"/> Word of mouth                                |
| <input type="checkbox"/> City, local, or municipal website | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.) |
| <input type="checkbox"/> Xcel website                      | <input type="checkbox"/> Travel guides and tour books                 |
| <input type="checkbox"/> Other websites                    | <input type="checkbox"/> Newspaper/magazine article                   |
| <input type="checkbox"/> Maps, brochures, pamphlets        | <input type="checkbox"/> Radio/TV broadcasts                          |
| <input type="checkbox"/> Visitor bureaus/centers           | <input type="checkbox"/> Other (specify): _____                       |
| <input checked="" type="checkbox"/> Previous visits        |   |

What is the ZIP code where you live or country if not in the United States?

ZIP code: 54843 or, country (if not the United States): \_\_\_\_\_

What is your age: 59

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> American Indian/Alaskan       | <input type="checkbox"/> Asian                  | <input checked="" type="checkbox"/> White |
| <input type="checkbox"/> Native Hawaiian/other Pacific | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know       |
| <input type="checkbox"/> Black/African-American        | <input type="checkbox"/> Not Hispanic or Latino |   |

Please let us know if you have any additional comments regarding your recreation experience during your visit: (contact information)

More verticals to tie boat to. certain winds  
cause boat to turn into shore and bump on rocks



8/13/2022

**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**  
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1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) <u>PRIMARY ACTIVITY</u> (Check <u>only one</u> )
Shoreline/tailwater fishing	✓	✓
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES
- NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input type="checkbox"/>
At a developed campground	1	2	3	4	5	<input type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please check the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input type="checkbox"/>	
Boat launch	1	2	3	4	5	<input type="checkbox"/>	
Boat dock	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Federal or State website          | <input type="checkbox"/> Word of mouth                                |
| <input type="checkbox"/> City, local, or municipal website | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.) |
| <input type="checkbox"/> Xcel website                      | <input type="checkbox"/> Travel guides and tour books                 |
| <input type="checkbox"/> Other websites                    | <input type="checkbox"/> Newspaper/magazine article                   |
| <input type="checkbox"/> Maps, brochures, pamphlets        | <input type="checkbox"/> Radio/TV broadcasts                          |
| <input type="checkbox"/> Visitor bureaus/centers           | <input type="checkbox"/> Other (specify): _____                       |
| <input checked="" type="checkbox"/> Previous visits        |   |

What is the ZIP code where you live or country if not in the United States?

ZIP code: 54843 or, country (if not the United States): \_\_\_\_\_

What is your age: 36

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> American Indian/Alaskan       | <input type="checkbox"/> Asian                  | <input checked="" type="checkbox"/> White |
| <input type="checkbox"/> Native Hawaiian/other Pacific | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know       |
| <input type="checkbox"/> Black/African-American        | <input type="checkbox"/> Not Hispanic or Latino |   |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

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Fam of 5

**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**  
**NPS Recreation Survey Questionnaire**

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) <u>PRIMARY ACTIVITY</u> (Check <u>only one</u> )
Shoreline/tailwater fishing	✓	✓
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES
- NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input type="checkbox"/>
At a developed campground	1	2	3	4	5	<input type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items **that you used during your current visit** to this specific recreation facility/reservoir. Also, please **check** the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input checked="" type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input checked="" type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input checked="" type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input type="checkbox"/>	
Boat launch	1	2	3	4	5	<input type="checkbox"/>	
Boat dock	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Federal or State website                | <input type="checkbox"/> Word of mouth                                |
| <input type="checkbox"/> City, local, or municipal website       | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.) |
| <input type="checkbox"/> Xcel website                            | <input type="checkbox"/> Travel guides and tour books                 |
| <input checked="" type="checkbox"/> Other websites <i>Google</i> | <input type="checkbox"/> Newspaper/magazine article                   |
| <input type="checkbox"/> Maps, brochures, pamphlets              | <input type="checkbox"/> Radio/TV broadcasts                          |
| <input type="checkbox"/> Visitor bureaus/centers                 | <input type="checkbox"/> Other (specify): _____                       |
| <input type="checkbox"/> Previous visits                         |   |

What is the ZIP code where you live or country if not in the United States?

ZIP code: Hayward or, country (if not the United States): \_\_\_\_\_

What is your age: 33

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> American Indian/Alaskan       | <input type="checkbox"/> Asian                  | <input checked="" type="checkbox"/> White |
| <input type="checkbox"/> Native Hawaiian/other Pacific | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know       |
| <input type="checkbox"/> Black/African-American        | <input type="checkbox"/> Not Hispanic or Latino |   |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

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**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**  
**NPS Recreation Survey Questionnaire**

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.  
 (B) Which **ONE** of these activities is your **PRIMARY ACTIVITY** on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) PRIMARY ACTIVITY (Check <u>only one</u> )
Shoreline/tailwater fishing	✓	✓
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)	✓	park

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES       NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input type="checkbox"/>
At a developed campground	1	2	3	4	5	<input type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

*Park*

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please check the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input type="checkbox"/>	
Boat launch	1	2	3	4	5	<input type="checkbox"/>	
Boat dock	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	
Roads to facility	①	2	3	4	5	<input type="checkbox"/>	Need better signage  playground
Signage to the facility	①	2	3	④	5	<input type="checkbox"/>	
Signage within the facility	①	2	3	4	5	<input type="checkbox"/>	
Other:	①	2	3	4	5	<input type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Federal or State website          | <input checked="" type="checkbox"/> Word of mouth                     |
| <input type="checkbox"/> City, local, or municipal website | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.) |
| <input type="checkbox"/> Xcel website                      | <input type="checkbox"/> Travel guides and tour books                 |
| <input type="checkbox"/> Other websites                    | <input type="checkbox"/> Newspaper/magazine article                   |
| <input type="checkbox"/> Maps, brochures, pamphlets        | <input type="checkbox"/> Radio/TV broadcasts                          |
| <input type="checkbox"/> Visitor bureaus/centers           | <input type="checkbox"/> Other (specify): <u>local</u>                |
| <input type="checkbox"/> Previous visits                   |   |

What is the ZIP code where you live or country if not in the United States?

ZIP code: Hayward or, country (if not the United States): \_\_\_\_\_

What is your age: 27

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> American Indian/Alaskan       | <input type="checkbox"/> Asian                  | <input checked="" type="checkbox"/> White |
| <input type="checkbox"/> Native Hawaiian/other Pacific | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know       |
| <input type="checkbox"/> Black/African-American        | <input type="checkbox"/> Not Hispanic or Latino |   |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

- Addtl. fishing pier b/c existing pier gets crowded  
- Addtl. signage



Couple  
on ATV trip

**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**  
**NPS Recreation Survey Questionnaire**

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1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) <u>PRIMARY ACTIVITY</u> (Check <u>only one</u> )
Shoreline/tailwater fishing		
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)	✓	✓ ATV

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES
- NO

(B): If YES: What was it? ATV trail - could not find  
Trail #30

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	(1)	2	3	4	5	<input type="checkbox"/>
On the trails	(1)	2	3	4	5	<input type="checkbox"/>
At a developed campground	1	2	3	4	5	<input checked="" type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input checked="" type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input checked="" type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please check the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	
Restroom	1	2	3	4	5	<input type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input type="checkbox"/>	
Boat launch	1	2	3	4	5	<input type="checkbox"/>	
Boat dock	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	Trail RR dirty If you were dissatisfied for any reason, please explain why:  ATV signage seemed to stop
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Federal or State website              | <input type="checkbox"/> Word of mouth                                |
| <input type="checkbox"/> City, local, or municipal website     | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.) |
| <input type="checkbox"/> Xcel website                          | <input type="checkbox"/> Travel guides and tour books                 |
| <input checked="" type="checkbox"/> Other websites             | <input type="checkbox"/> Newspaper/magazine article                   |
| <input checked="" type="checkbox"/> Maps, brochures, pamphlets | <input type="checkbox"/> Radio/TV broadcasts                          |
| <input type="checkbox"/> Visitor bureaus/centers               | <input type="checkbox"/> Other (specify): _____                       |
| <input type="checkbox"/> Previous visits                       |   |

What is the ZIP code where you live or country if not in the United States?

ZIP code: 53816 or, country (if not the United States): \_\_\_\_\_

What is your age: 27/25

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> American Indian/Alaskan       | <input type="checkbox"/> Asian                  | <input checked="" type="checkbox"/> White |
| <input type="checkbox"/> Native Hawaiian/other Pacific | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know       |
| <input type="checkbox"/> Black/African-American        | <input type="checkbox"/> Not Hispanic or Latino |   |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

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Fam  
of 4

**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**  
**NPS Recreation Survey Questionnaire**

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1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which **ONE** of these activities is your **PRIMARY ACTIVITY** on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) PRIMARY ACTIVITY (Check <u>only one</u> )
Shoreline/tailwater fishing	✓	✓
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

YES

NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input type="checkbox"/>
At a developed campground	1	2	3	4	5	<input type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please **check** the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input type="checkbox"/>	
Boat launch	1	2	3	4	5	<input type="checkbox"/>	
Boat dock	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Federal or State website          | <input type="checkbox"/> Word of mouth                                |
| <input type="checkbox"/> City, local, or municipal website | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.) |
| <input type="checkbox"/> Xcel website                      | <input type="checkbox"/> Travel guides and tour books                 |
| <input type="checkbox"/> Other websites                    | <input type="checkbox"/> Newspaper/magazine article                   |
| <input type="checkbox"/> Maps, brochures, pamphlets        | <input type="checkbox"/> Radio/TV broadcasts                          |
| <input type="checkbox"/> Visitor bureaus/centers           | <input type="checkbox"/> Other (specify): <u>on x</u>                 |
| <input type="checkbox"/> Previous visits                   |   |

What is the ZIP code where you live or country if not in the United States?

ZIP code: 54601 or, country (if not the United States): \_\_\_\_\_

What is your age: 40

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> American Indian/Alaskan       | <input type="checkbox"/> Asian                  | <input checked="" type="checkbox"/> White |
| <input type="checkbox"/> Native Hawaiian/other Pacific | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know       |
| <input type="checkbox"/> Black/African-American        | <input type="checkbox"/> Not Hispanic or Latino |   |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

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Family of 5

ON-SITE/IN-PERSON RECREATION INTERVIEW

Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)

NPS Recreation Survey Questionnaire

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) PRIMARY ACTIVITY (Check <u>only one</u> )
Shoreline/tailwater fishing	X	X
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES
- NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input type="checkbox"/>
At a developed campground	1	2	3	4	5	<input type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Chose not to recreate
- Changed the time of day
- Continued with current plans
- Changed your activity
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items **that you used during your current visit** to this specific recreation facility/reservoir. Also, please **check** the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	
Restroom	1	2	3	4	5	<input type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input type="checkbox"/>	
Boat launch	1	2	3	4	5	<input type="checkbox"/>	
Boat dock	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	

If you were dissatisfied for any reason, please explain why:

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Federal or State website          | <input checked="" type="checkbox"/> Word of mouth                     |
| <input type="checkbox"/> City, local, or municipal website | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.) |
| <input type="checkbox"/> Xcel website                      | <input type="checkbox"/> Travel guides and tour books                 |
| <input type="checkbox"/> Other websites                    | <input type="checkbox"/> Newspaper/magazine article                   |
| <input type="checkbox"/> Maps, brochures, pamphlets        | <input type="checkbox"/> Radio/TV broadcasts                          |
| <input type="checkbox"/> Visitor bureaus/centers           | <input type="checkbox"/> Other (specify): <u>Bait shop</u>            |
| <input type="checkbox"/> Previous visits                   |   |

What is the ZIP code where you live or country if not in the United States?

ZIP code: 55101 or, country (if not the United States): \_\_\_\_\_

What is your age: 65

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> American Indian/Alaskan       | <input type="checkbox"/> Asian                  | <input checked="" type="checkbox"/> White |
| <input type="checkbox"/> Native Hawaiian/other Pacific | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know       |
| <input type="checkbox"/> Black/African-American        | <input type="checkbox"/> Not Hispanic or Latino |   |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

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**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**  
**NPS Recreation Survey Questionnaire**

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) PRIMARY ACTIVITY (Check <u>only one</u> )
Shoreline/tailwater fishing		
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)	X Check out dam w/ kids	X

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES
- NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input checked="" type="checkbox"/>
At a developed campground	1	2	3	4	5	<input checked="" type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input checked="" type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input checked="" type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please check the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input type="checkbox"/>	
Boat launch	1	2	3	4	5	<input type="checkbox"/>	
Boat dock	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	Poor signage, unclear where to see dam & portage access
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |   |   |
|---|---|
| <input type="checkbox"/> Federal or State website   | <input type="checkbox"/> Word of mouth                                |
| <input type="checkbox"/> City, local, or municipal website                                    | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.) |
| <input type="checkbox"/> Xcel website   | <input type="checkbox"/> Travel guides and tour books                 |
| <input type="checkbox"/> Other websites   | <input type="checkbox"/> Newspaper/magazine article                   |
| <input checked="" type="checkbox"/> Maps, brochures, pamphlets                                | <input type="checkbox"/> Radio/TV broadcasts                          |
| <input checked="" type="checkbox"/> Visitor bureaus/centers <i>NPS<br/>visitor<br/>center</i> | <input type="checkbox"/> Other (specify): _____                       |
| <input type="checkbox"/> Previous visits  |   |

What is the ZIP code where you live or country if not in the United States?

ZIP code: 03379 or, country (if not the United States): \_\_\_\_\_

What is your age: 31

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> American Indian/Alaskan       | <input type="checkbox"/> Asian                  | <input checked="" type="checkbox"/> White |
| <input type="checkbox"/> Native Hawaiian/other Pacific | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know       |
| <input type="checkbox"/> Black/African-American        | <input type="checkbox"/> Not Hispanic or Latino |   |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

Improved signage and/or accessibility  
(ADA) viewing & parking  
\_\_\_\_\_  
\_\_\_\_\_



**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**  
**NPS Recreation Survey Questionnaire**

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which **ONE** of these activities is your **PRIMARY ACTIVITY** on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) PRIMARY ACTIVITY (Check <u>only one</u> )
Shoreline/tailwater fishing		
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)	X checking out dam w/ kids	X

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES       NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input checked="" type="checkbox"/>
At a developed campground	1	2	3	4	5	<input checked="" type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input checked="" type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input checked="" type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Chose not to recreate
- Changed the time of day
- Continued with current plans
- Changed your activity
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please **check** the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input type="checkbox"/>	
Boat launch	1	2	3	4	5	<input type="checkbox"/>	
Boat dock	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	Poor signage, wasn't clear where dam & portage access was.
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Federal or State website                      | <input type="checkbox"/> Word of mouth                                |
| <input type="checkbox"/> City, local, or municipal website             | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.) |
| <input type="checkbox"/> Xcel website                                  | <input type="checkbox"/> Travel guides and tour books                 |
| <input type="checkbox"/> Other websites                                | <input type="checkbox"/> Newspaper/magazine article                   |
| <input checked="" type="checkbox"/> Maps, brochures, pamphlets         | <input type="checkbox"/> Radio/TV broadcasts                          |
| <input checked="" type="checkbox"/> Visitor bureaus/centers <i>NPS</i> | <input type="checkbox"/> Other (specify): _____                       |
| <input type="checkbox"/> Previous visits                               | <i>visitor center</i>   |

What is the ZIP code where you live or country if not in the United States?

ZIP code: 63379 or, country (if not the United States): \_\_\_\_\_

What is your age: 28

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> American Indian/Alaskan       | <input type="checkbox"/> Asian                  | <input checked="" type="checkbox"/> White |
| <input type="checkbox"/> Native Hawaiian/other Pacific | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know       |
| <input type="checkbox"/> Black/African-American        | <input type="checkbox"/> Not Hispanic or Latino |   |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

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~~Wheel chair a-~~

~~- Better signage~~

~~- ADA access~~

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ON-SITE/IN-PERSON RECREATION INTERVIEW  
Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)  
NPS Recreation Survey Questionnaire

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

(A) Which of these activities have you participated in on your current visit to the area.

(B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) PRIMARY ACTIVITY (Check <u>only one</u> )
Shoreline/tailwater fishing		
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		✓
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES
- NO

(B): If YES: What was it? \_\_\_\_\_

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(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input type="checkbox"/>
At a developed campground	1	2	3	4	5	<input type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_

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6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please check the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input checked="" type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input checked="" type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input type="checkbox"/>	
Boat launch	1	2	3	4	5	<input type="checkbox"/>	
Boat dock	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	Narrow road when entering the beach
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	

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9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Federal or State website          | <input type="checkbox"/> Word of mouth                                |
| <input type="checkbox"/> City, local, or municipal website | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.) |
| <input type="checkbox"/> Xcel website                      | <input type="checkbox"/> Travel guides and tour books                 |
| <input type="checkbox"/> Other websites                    | <input type="checkbox"/> Newspaper/magazine article                   |
| <input type="checkbox"/> Maps, brochures, pamphlets        | <input type="checkbox"/> Radio/TV broadcasts                          |
| <input type="checkbox"/> Visitor bureaus/centers           | <input checked="" type="checkbox"/> Other (specify): <u>Local</u>     |
| <input type="checkbox"/> Previous visits                   |   |

What is the ZIP code where you live or country if not in the United States?

ZIP code: 54843 or, country (if not the United States): \_\_\_\_\_

What is your age: 64

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> American Indian/Alaskan       | <input type="checkbox"/> Asian                  | <input checked="" type="checkbox"/> White |
| <input type="checkbox"/> Native Hawaiian/other Pacific | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know       |
| <input type="checkbox"/> Black/African-American        | <input type="checkbox"/> Not Hispanic or Latino |   |

Please let us know if you have any additional comments regarding your recreation experience during your visit: (contact information)

\* Signage for dog waste/pick up

\* Goose poop is often bad

\* sufficient parking when beach is crowded

• Grandparents w/ 2 grandchildren



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\* Group of  
3 men  
fishing

ON-SITE/IN-PERSON RECREATION INTERVIEW  
Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)  
NPS Recreation Survey Questionnaire

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) PRIMARY ACTIVITY (Check <u>only one</u> )
Shoreline/tailwater fishing	✓	✓
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES
- NO

(B): If YES: What was it? \_\_\_\_\_

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(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input type="checkbox"/>
At a developed campground	1	2	3	4	5	<input type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_

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6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please check the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input type="checkbox"/>	
Boat launch	1	2	3	4	5	<input type="checkbox"/>	
Boat dock	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	

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9. How did you obtain information to plan your current trip? (Please select all that apply)

- Federal or State website
- City, local, or municipal website
- Xcel website
- Other websites Google
- Maps, brochures, pamphlets
- Visitor bureaus/centers
- Previous visits
- Word of mouth
- Social media (e.g., Facebook, Twitter, etc.)
- Travel guides and tour books
- Newspaper/magazine article
- Radio/TV broadcasts
- Other (specify): \_\_\_\_\_

What is the ZIP code where you live or country if not in the United States?

ZIP code: 55051 or, country (if not the United States): \_\_\_\_\_

What is your age: 35

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- American Indian/Alaskan
- Native Hawaiian/other Pacific
- Black/African-American
- Asian
- Hispanic or Latino
- Not Hispanic or Latino
- White
- Don't know

Please let us know if you have any additional comments regarding your recreation experience during your visit: (contact information)

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8/19/22

**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**  
**NPS Recreation Survey Questionnaire**

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) PRIMARY ACTIVITY (Check <u>only one</u> )
Shoreline/tailwater fishing		
Fishing from a boat		
Motorized boating		
Non-motorized boating	✓ Kayaking	
Swimming	✓	✓
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES
- NO

(B): If YES: What was it? Daughter took child to restroom

& came upon several homeless ppl

camping out

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	(1)	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input checked="" type="checkbox"/>
At a developed campground	1	2	3	4	5	<input checked="" type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input checked="" type="checkbox"/>
While boating/fishing from a boat	(1)	2	3	4	5	<input type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please **check** the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input type="checkbox"/>	see comments
Picnic sites	1	2	3	4	5	<input type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input checked="" type="checkbox"/>	trash No receptacles
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input type="checkbox"/>	
Boat launch	1	2	3	4	5	<input type="checkbox"/>	
Boat dock	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- Federal or State website
- City, local, or municipal website
- Xcel website
- Other websites
- Maps, brochures, pamphlets
- Visitor bureaus/centers
- Previous visits
- Word of mouth
- Social media (e.g., Facebook, Twitter, etc.)
- Travel guides and tour books
- Newspaper/magazine article
- Radio/TV broadcasts
- Other (specify): Driving around and found it.

What is the ZIP code where you live or country if not in the United States?

ZIP code: 53122 or, country (if not the United States): \_\_\_\_\_

What is your age: 61

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- American Indian/Alaskan
- Native Hawaiian/other Pacific
- Black/African-American
- Asian
- Hispanic or Latino
- Not Hispanic or Latino
- White
- Don't know

Please let us know if you have any additional comments regarding your recreation experience during your visit: (contact information)

\* Noticed there werent any trash bins - thought it would be good to have them

\* Daughter/grandson came upon homeless ppl in men's Restroom

\* Grand father visiting w/ wife & daughter, SIL, & 2 grandchildren



8/19/22

**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**  
**NPS Recreation Survey Questionnaire**

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) <u>PRIMARY ACTIVITY</u> (Check <u>only one</u> )
Shoreline/tailwater fishing		
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		✓
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES
- NO

(B): If YES: What was it? \_\_\_\_\_

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(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [Site] activities or services?

- YES
- NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input type="checkbox"/>
At a developed campground	1	2	3	4	5	<input type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES
- NO

(C) If YES, what did you do?

- Moved to a new location
- Chose not to recreate
- Changed the time of day
- Continued with current plans
- Changed your activity
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please check the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input checked="" type="checkbox"/>	
Picnic sites	①	2	3	4	5	<input type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input type="checkbox"/>	
Vehicle parking areas	①	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input type="checkbox"/>	
Boat launch	1	2	3	4	5	<input type="checkbox"/>	
Boat dock	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	
Roads to facility	①	2	3	4	5	<input type="checkbox"/>	only went by phone/map Not much signage
Signage to the facility	1	2	3	④	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	④	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- Federal or State website
- City, local, or municipal website
- Xcel website
- Other websites
- Maps, brochures, pamphlets
- Visitor bureaus/centers
- Previous visits
- Word of mouth
- Social media (e.g., Facebook, Twitter, etc.)
- Travel guides and tour books
- Newspaper/magazine article
- Radio/TV broadcasts
- Other (specify): googled

What is the ZIP code where you live or country if not in the United States?

ZIP code: 53583 or, country (if not the United States): \_\_\_\_\_

What is your age: 52

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- American Indian/Alaskan
- Native Hawaiian/other Pacific
- Black/African-American
- Asian
- Hispanic or Latino
- Not Hispanic or Latino
- White
- Don't know

Please let us know if you have any additional comments regarding your recreation experience during your visit: (contact information)

N/A  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Family of 5 - Parents w/ 3 teenagers

9/11/22

**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**  
**NPS Recreation Survey Questionnaire**

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) <u>PRIMARY ACTIVITY</u> (Check <u>only one</u> )
Shoreline/tailwater fishing		
Fishing from a boat	✓	✓
Motorized boating	✓	
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES
- NO

(B): If YES: What was it? \_\_\_\_\_

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(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	(1)	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input checked="" type="checkbox"/>
At a developed campground	1	2	3	4	5	<input checked="" type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input checked="" type="checkbox"/>
While boating/fishing from a boat	(1)	2	3	4	5	<input type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_

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6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items **that you used during your current visit** to this specific recreation facility/reservoir. Also, please **check** the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input type="checkbox"/>	
Vehicle parking areas	①	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	①	2	3	4	5	<input type="checkbox"/>	
Boat launch	①	2	3	4	5	<input type="checkbox"/>	
Boat dock	①	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	
Roads to facility	①	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	①	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	①	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	

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9. How did you obtain information to plan your current trip? (Please select all that apply)

- Federal or State website
- City, local, or municipal website
- Xcel website
- Other websites
- Maps, brochures, pamphlets
- Visitor bureaus/centers
- Previous visits
- Word of mouth
- Social media (e.g., Facebook, Twitter, etc.)
- Travel guides and tour books
- Newspaper/magazine article
- Radio/TV broadcasts
- Other (specify): \_\_\_\_\_

Local

What is the ZIP code where you live or country if not in the United States?

ZIP code: 54843 or, country (if not the United States): \_\_\_\_\_

What is your age: 75

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- American Indian/Alaskan
- Native Hawaiian/other Pacific
- Black/African-American
- Asian
- Hispanic or Latino
- Not Hispanic or Latino
- White
- Don't know

Please let us know if you have any additional comments regarding your recreation experience during your visit: (contact information)

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9/11/22

ON-SITE/IN-PERSON RECREATION INTERVIEW

Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)

NPS Recreation Survey Questionnaire

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) <u>PRIMARY ACTIVITY</u> (Check <u>only one</u> )
Shoreline/tailwater fishing	✓	✓
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES
- NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input checked="" type="checkbox"/>
At a developed campground	1	2	3	4	5	<input checked="" type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input checked="" type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Chose not to recreate
- Changed the time of day
- Continued with current plans
- Changed your activity
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items **that you used during your current visit** to this specific recreation facility/reservoir. Also, please **check** the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat launch	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat dock	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |   |   |
|---|---|
| <input type="checkbox"/> Federal or State website                   | <input type="checkbox"/> Word of mouth                                |
| <input type="checkbox"/> City, local, or municipal website          | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.) |
| <input type="checkbox"/> Xcel website                               | <input type="checkbox"/> Travel guides and tour books                 |
| <input type="checkbox"/> Other websites                             | <input type="checkbox"/> Newspaper/magazine article                   |
| <input type="checkbox"/> Maps, brochures, pamphlets                 | <input type="checkbox"/> Radio/TV broadcasts                          |
| <input type="checkbox"/> Visitor bureaus/centers                    | <input type="checkbox"/> Other (specify): _____                       |
| <input checked="" type="checkbox"/> Previous visits<br><i>Local</i> |   |

What is the ZIP code where you live or country if not in the United States?

ZIP code: 54843 or, country (if not the United States): \_\_\_\_\_

What is your age: 45

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> American Indian/Alaskan       | <input type="checkbox"/> Asian                  | <input checked="" type="checkbox"/> White |
| <input type="checkbox"/> Native Hawaiian/other Pacific | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know       |
| <input type="checkbox"/> Black/African-American        | <input type="checkbox"/> Not Hispanic or Latino |   |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

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9/14/22

ON-SITE/IN-PERSON RECREATION INTERVIEW

Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)

NPS Recreation Survey Questionnaire

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) PRIMARY ACTIVITY (Check <u>only one</u> )
Shoreline/tailwater fishing		
Fishing from a boat	✓	✓
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES
- NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input checked="" type="checkbox"/>
At a developed campground	1	2	3	4	5	<input checked="" type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input checked="" type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please check the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input type="checkbox"/>	
Boat launch	1	2	3	4	5	<input type="checkbox"/>	
Boat dock	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Federal or State website          | <input type="checkbox"/> Word of mouth                                |
| <input type="checkbox"/> City, local, or municipal website | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.) |
| <input type="checkbox"/> Xcel website                      | <input type="checkbox"/> Travel guides and tour books                 |
| <input type="checkbox"/> Other websites                    | <input type="checkbox"/> Newspaper/magazine article                   |
| <input type="checkbox"/> Maps, brochures, pamphlets        | <input type="checkbox"/> Radio/TV broadcasts                          |
| <input type="checkbox"/> Visitor bureaus/centers           | <input type="checkbox"/> Other (specify): _____                       |
| <input checked="" type="checkbox"/> Previous visits        |   |

*Local*

What is the ZIP code where you live or country if not in the United States?

ZIP code: 54843 or, country (if not the United States): \_\_\_\_\_

What is your age: 42

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> American Indian/Alaskan       | <input type="checkbox"/> Asian                  | <input checked="" type="checkbox"/> White |
| <input type="checkbox"/> Native Hawaiian/other Pacific | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know       |
| <input type="checkbox"/> Black/African-American        | <input type="checkbox"/> Not Hispanic or Latino |   |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

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**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**  
**NPS Recreation Survey Questionnaire**

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) <u>PRIMARY ACTIVITY</u> (Check <u>only one</u> )
Shoreline/tailwater fishing	✓	✓
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES
- NO

(B): If YES: What was it? \_\_\_\_\_

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(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES
- NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input checked="" type="checkbox"/>
At a developed campground	1	2	3	4	5	<input checked="" type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input checked="" type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES
- NO

(C) If YES, what did you do?

- Moved to a new location
- Chose not to recreate
- Changed the time of day
- Continued with current plans
- Changed your activity
- Other: \_\_\_\_\_

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6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please check the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input type="checkbox"/>	
Boat launch	1	2	3	4	5	<input type="checkbox"/>	
Boat dock	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	

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9. How did you obtain information to plan your current trip? (Please select all that apply)

- Federal or State website
- City, local, or municipal website
- Xcel website
- Other websites
- Maps, brochures, pamphlets
- Visitor bureaus/centers
- Previous visits
- Word of mouth
- Social media (e.g., Facebook, Twitter, etc.)
- Travel guides and tour books
- Newspaper/magazine article
- Radio/TV broadcasts
- Other (specify): \_\_\_\_\_

Local

What is the ZIP code where you live or country if not in the United States?

ZIP code: 54843 or, country (if not the United States): \_\_\_\_\_

What is your age: 54

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- American Indian/Alaskan
- Native Hawaiian/other Pacific
- Black/African-American
- Asian
- Hispanic or Latino
- Not Hispanic or Latino
- White
- Don't know

Please let us know if you have any additional comments regarding your recreation experience during your visit: (contact information)

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9/11/22

ON-SITE/IN-PERSON RECREATION INTERVIEW

Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)

NPS Recreation Survey Questionnaire

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) PRIMARY ACTIVITY (Check <u>only one</u> )
Shoreline/tailwater fishing		
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)	✓ (walking)	✓

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES
- NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input checked="" type="checkbox"/>
At a developed campground	1	2	3	4	5	<input checked="" type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input checked="" type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input checked="" type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items **that you used during your current visit** to this specific recreation facility/reservoir. Also, please **check** the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	
Restroom	1	2	3	4	5	<input checked="" type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input type="checkbox"/>	
Boat launch	1	2	3	4	5	<input type="checkbox"/>	
Boat dock	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	

If you were dissatisfied for any reason, please explain why:

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Federal or State website          | <input type="checkbox"/> Word of mouth                                |
| <input type="checkbox"/> City, local, or municipal website | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.) |
| <input type="checkbox"/> Xcel website                      | <input type="checkbox"/> Travel guides and tour books                 |
| <input type="checkbox"/> Other websites                    | <input type="checkbox"/> Newspaper/magazine article                   |
| <input type="checkbox"/> Maps, brochures, pamphlets        | <input type="checkbox"/> Radio/TV broadcasts                          |
| <input type="checkbox"/> Visitor bureaus/centers           | <input type="checkbox"/> Other (specify): _____                       |
| <input checked="" type="checkbox"/> Previous visits        |   |

Local

What is the ZIP code where you live or country if not in the United States?

ZIP code: 54843 or, country (if not the United States): \_\_\_\_\_

What is your age: 54

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> American Indian/Alaskan       | <input type="checkbox"/> Asian                  | <input checked="" type="checkbox"/> White |
| <input type="checkbox"/> Native Hawaiian/other Pacific | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know       |
| <input type="checkbox"/> Black/African-American        | <input type="checkbox"/> Not Hispanic or Latino |   |

Please let us know if you have any additional comments regarding your recreation experience during your visit: (contact information)

- Pavilion could use a paint job

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9/11/22

ON-SITE/IN-PERSON RECREATION INTERVIEW

Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)

NPS Recreation Survey Questionnaire

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) PRIMARY ACTIVITY (Check <u>only one</u> )
Shoreline/tailwater fishing		
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES
- NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input checked="" type="checkbox"/>
At a developed campground	1	2	3	4	5	<input checked="" type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input checked="" type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input checked="" type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items **that you used during your current visit** to this specific recreation facility/reservoir. Also, please check the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input checked="" type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input checked="" type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input checked="" type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input type="checkbox"/>	
Boat launch	1	2	3	4	5	<input type="checkbox"/>	
Boat dock	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	Narrow roadway Not much signage to find if not familiar.
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Federal or State website          | <input type="checkbox"/> Word of mouth                                |
| <input type="checkbox"/> City, local, or municipal website | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.) |
| <input type="checkbox"/> Xcel website                      | <input type="checkbox"/> Travel guides and tour books                 |
| <input type="checkbox"/> Other websites                    | <input type="checkbox"/> Newspaper/magazine article                   |
| <input type="checkbox"/> Maps, brochures, pamphlets        | <input type="checkbox"/> Radio/TV broadcasts                          |
| <input type="checkbox"/> Visitor bureaus/centers           | <input type="checkbox"/> Other (specify): _____                       |
| <input checked="" type="checkbox"/> Previous visits        |   |

LOCAL

What is the ZIP code where you live or country if not in the United States?

ZIP code: 54843 or, country (if not the United States): \_\_\_\_\_

What is your age: 41/42

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> American Indian/Alaskan       | <input type="checkbox"/> Asian                  | <input checked="" type="checkbox"/> White |
| <input type="checkbox"/> Native Hawaiian/other Pacific | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know       |
| <input type="checkbox"/> Black/African-American        | <input type="checkbox"/> Not Hispanic or Latino |   |

Please let us know if you have any additional comments regarding your recreation experience during your visit: (contact information)

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**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**  
**NPS Recreation Survey Questionnaire**

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

(A) Which of these activities have you participated in on your current visit to the area.

(B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) PRIMARY ACTIVITY (Check <u>only one</u> )
Shoreline/tailwater fishing	<input checked="" type="checkbox"/>	<i>Fishing</i>
Fishing from a boat	<input type="checkbox"/>	
Motorized boating	<input type="checkbox"/>	
Non-motorized boating	<input type="checkbox"/>	
Swimming	<input type="checkbox"/>	
Picnicking	<input type="checkbox"/>	
Wildlife Viewing	<input type="checkbox"/>	
Ice Fishing	<input type="checkbox"/>	
Other (specify)	<input type="checkbox"/>	

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES       NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input type="checkbox"/>
At a developed campground	1	2	3	4	5	<input checked="" type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input checked="" type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Chose not to recreate
- Changed the time of day
- Continued with current plans
- Changed your activity
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please check the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input checked="" type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input checked="" type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input checked="" type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat launch	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat dock	1	2	3	4	5	<input checked="" type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Federal or State website          | <input checked="" type="checkbox"/> Word of mouth                       |
| <input type="checkbox"/> City, local, or municipal website | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.)   |
| <input type="checkbox"/> Xcel website                      | <input type="checkbox"/> Travel guides and tour books                   |
| <input type="checkbox"/> Other websites                    | <input type="checkbox"/> Newspaper/magazine article                     |
| <input type="checkbox"/> Maps, brochures, pamphlets        | <input type="checkbox"/> Radio/TV broadcasts                            |
| <input type="checkbox"/> Visitor bureaus/centers           | <input checked="" type="checkbox"/> Other (specify): <u>Google maps</u> |
| <input type="checkbox"/> Previous visits                   |   |

What is the ZIP code where you live or country if not in the United States?

ZIP code: 54801 or, country (if not the United States): \_\_\_\_\_

What is your age: 21  
*Spoooner*

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> American Indian/Alaskan       | <input type="checkbox"/> Asian                  | <input checked="" type="checkbox"/> White |
| <input type="checkbox"/> Native Hawaiian/other Pacific | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know       |
| <input type="checkbox"/> Black/African-American        | <input type="checkbox"/> Not Hispanic or Latino |   |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

Felt that if multiple people were fishing at the base of the dam  
it could get/be over crowding.  
Just moved to SPOONER, found by word of mouth + using google maps  
to scope area.



**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**  
**NPS Recreation Survey Questionnaire**

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in **on your current visit** to the area.
- (B) Which **ONE** of these activities is your **PRIMARY ACTIVITY** on this trip to the area?

ACTIVITY	(A) Participated in <b>ON THIS TRIP</b> (Check <u>all</u> that apply)	(B) <b>PRIMARY ACTIVITY</b> (Check <u>only one</u> )
Shoreline/tailwater fishing	✓	✓
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES
- NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input type="checkbox"/>
At a developed campground	1	2	3	4	5	<input checked="" type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input checked="" type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Chose not to recreate
- Changed the time of day
- Continued with current plans
- Changed your activity
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please **check** the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input checked="" type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input checked="" type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input checked="" type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat launch	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat dock	1	2	3	4	5	<input checked="" type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- Federal or State website
- City, local, or municipal website
- Xcel website
- Other websites
- Maps, brochures, pamphlets
- Visitor bureaus/centers
- Previous visits
- Word of mouth
- Social media (e.g., Facebook, Twitter, etc.)
- Travel guides and tour books
- Newspaper/magazine article
- Radio/TV broadcasts
- Other (specify): \_\_\_\_\_

What is the ZIP code where you live or country if not in the United States?

ZIP code: 55888 or, country (if not the United States): \_\_\_\_\_

What is your age: 37

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- American Indian/Alaskan
- Native Hawaiian/other Pacific
- Black/African-American
- Asian
- Hispanic or Latino
- Not Hispanic or Latino
- White
- Don't know

Please let us know if you have any additional comments regarding your recreation experience during your visit: (contact information)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**  
**NPS Recreation Survey Questionnaire**

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which **ONE** of these activities is your **PRIMARY ACTIVITY** on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) PRIMARY ACTIVITY (Check <u>only one</u> )
Shoreline/tailwater fishing	✓	✓
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES       NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input type="checkbox"/>
At a developed campground	1	2	3	4	5	<input checked="" type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please **check** the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input checked="" type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input checked="" type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input checked="" type="checkbox"/>	
Vehicle parking areas	①	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat launch	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat dock	1	2	3	4	5	<input checked="" type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	
Roads to facility	①	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	①	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	①	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- Federal or State website
- City, local, or municipal website
- Xcel website
- Other websites
- Maps, brochures, pamphlets
- Visitor bureaus/centers
- Previous visits
- Word of mouth
- Social media (e.g., Facebook, Twitter, etc.)
- Travel guides and tour books
- Newspaper/magazine article
- Radio/TV broadcasts
- Other (specify): \_\_\_\_\_

What is the ZIP code where you live or country if not in the United States?

ZIP code: 54853 or, country (if not the United States): \_\_\_\_\_

What is your age: 63

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- American Indian/Alaskan
- Native Hawaiian/other Pacific
- Black/African-American
- Asian
- Hispanic or Latino
- Not Hispanic or Latino
- White
- Don't know

Please let us know if you have any additional comments regarding your recreation experience during your visit: (contact information)

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**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**  
**NPS Recreation Survey Questionnaire**

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which **ONE** of these activities is your **PRIMARY ACTIVITY** on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) PRIMARY ACTIVITY (Check <u>only one</u> )
Shoreline/tailwater fishing	✓	✓
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES
- NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input type="checkbox"/>
At a developed campground	1	2	3	4	5	<input checked="" type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input checked="" type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items **that you used during your current visit** to this specific recreation facility/reservoir. Also, please **check** the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input type="checkbox"/>	needs Trash can
Picnic sites	1	2	3	4	5	<input checked="" type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input checked="" type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat launch	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat dock	1	2	3	4	5	<input checked="" type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- Federal or State website
- City, local, or municipal website
- Xcel website
- Other websites
- Maps, brochures, pamphlets
- Visitor bureaus/centers
- Previous visits
- Word of mouth
- Social media (e.g., Facebook, Twitter, etc.)
- Travel guides and tour books
- Newspaper/magazine article
- Radio/TV broadcasts
- Other (specify): \_\_\_\_\_

What is the ZIP code where you live or country if not in the United States?

ZIP code: 54888 or, country (if not the United States): \_\_\_\_\_

What is your age: 48

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- American Indian/Alaskan
- Native Hawaiian/other Pacific
- Black/African-American
- Asian
- Hispanic or Latino
- Not Hispanic or Latino
- White
- Don't know

Please let us know if you have any additional comments regarding your recreation experience during your visit: (contact information)

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**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**  
**NPS Recreation Survey Questionnaire**

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which **ONE** of these activities is your **PRIMARY ACTIVITY** on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) PRIMARY ACTIVITY (Check <u>only one</u> )
Shoreline/tailwater fishing	✓	✓
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES
- NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES
- NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input type="checkbox"/>
At a developed campground	1	2	3	4	5	<input type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input checked="" type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES
- NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please **check** the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	
Restroom	1	2	3	4	5	<input type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input checked="" type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input checked="" type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat launch	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat dock	1	2	3	4	5	<input checked="" type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	

If you were dissatisfied for any reason, please explain why:

9. How did you obtain information to plan your current trip? (Please select all that apply)

- Federal or State website
- City, local, or municipal website
- Xcel website
- Other websites
- Maps, brochures, pamphlets
- Visitor bureaus/centers
- Previous visits
- Word of mouth
- Social media (e.g., Facebook, Twitter, etc.)
- Travel guides and tour books
- Newspaper/magazine article
- Radio/TV broadcasts
- Other (specify): \_\_\_\_\_

What is the ZIP code where you live or country if not in the United States?

ZIP code: 55720 or, country (if not the United States): \_\_\_\_\_

What is your age: 52

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- American Indian/Alaskan
- Native Hawaiian/other Pacific
- Black/African-American
- Asian
- Hispanic or Latino
- Not Hispanic or Latino
- White
- Don't know

Please let us know if you have any additional comments regarding your recreation experience during your visit: (contact information)

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**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**  
**NPS Recreation Survey Questionnaire**

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which **ONE** of these activities is your **PRIMARY ACTIVITY** on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) PRIMARY ACTIVITY (Check <u>only one</u> )
Shoreline/tailwater fishing	✓	✓
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES
- NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input type="checkbox"/>
At a developed campground	1	2	3	4	5	<input type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input checked="" type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Chose not to recreate
- Changed the time of day
- Continued with current plans
- Changed your activity
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items **that you used during your current visit** to this specific recreation facility/reservoir. Also, please **check** the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input checked="" type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input checked="" type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat launch	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat dock	1	2	3	4	5	<input checked="" type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- Federal or State website
- City, local, or municipal website
- Xcel website
- Other websites
- Maps, brochures, pamphlets
- Visitor bureaus/centers
- Previous visits
- Word of mouth
- Social media (e.g., Facebook, Twitter, etc.)
- Travel guides and tour books
- Newspaper/magazine article
- Radio/TV broadcasts
- Other (specify): \_\_\_\_\_

What is the ZIP code where you live or country if not in the United States?

ZIP code: 55720 or, country (if not the United States): \_\_\_\_\_

What is your age: 52

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- American Indian/Alaskan
- Native Hawaiian/other Pacific
- Black/African-American
- Asian
- Hispanic or Latino
- Not Hispanic or Latino
- White
- Don't know

Please let us know if you have any additional comments regarding your recreation experience during your visit: (contact information)

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**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**  
**NPS Recreation Survey Questionnaire**

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which **ONE** of these activities is your **PRIMARY ACTIVITY** on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) PRIMARY ACTIVITY (Check <u>only one</u> )
Shoreline/tailwater fishing	✓	✓
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES
- NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES
- NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input type="checkbox"/>
At a developed campground	1	2	3	4	5	<input checked="" type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES
- NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please check the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input checked="" type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input checked="" type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input checked="" type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat launch	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat dock	1	2	3	4	5	<input checked="" type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- Federal or State website
- City, local, or municipal website
- Xcel website
- Other websites
- Maps, brochures, pamphlets
- Visitor bureaus/centers
- Previous visits
- Word of mouth
- Social media (e.g., Facebook, Twitter, etc.)
- Travel guides and tour books
- Newspaper/magazine article
- Radio/TV broadcasts
- Other (specify): \_\_\_\_\_

What is the ZIP code where you live or country if not in the United States?

ZIP code: 54889 or, country (if not the United States): \_\_\_\_\_

What is your age: 63

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- American Indian/Alaskan
- Native Hawaiian/other Pacific
- Black/African-American
- Asian
- Hispanic or Latino
- Not Hispanic or Latino
- White
- Don't know

Please let us know if you have any additional comments regarding your recreation experience during your visit: (contact information)

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06/12/22 Trego A

ON-SITE/IN-PERSON RECREATION INTERVIEW  
Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)  
NPS Recreation Survey Questionnaire

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) PRIMARY ACTIVITY (Check <u>only one</u> )
Shoreline/tailwater fishing		
Fishing from a boat		
Motorized boating	✓	✓
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES
- NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input type="checkbox"/>
At a developed campground	1	2	3	4	5	<input checked="" type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input checked="" type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input checked="" type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please check the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	
Restroom	1	2	3	4	5	<input checked="" type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input checked="" type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input checked="" type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input type="checkbox"/>	
Boat launch	1	2	3	4	5	<input type="checkbox"/>	
Boat dock	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- Federal or State website
- City, local, or municipal website
- Xcel website
- Other websites
- Maps, brochures, pamphlets
- Visitor bureaus/centers
- Previous visits
- Word of mouth
- Social media (e.g., Facebook, Twitter, etc.)
- Travel guides and tour books
- Newspaper/magazine article
- Radio/TV broadcasts
- Other (specify): \_\_\_\_\_

What is the ZIP code where you live or country if not in the United States?

ZIP code: 54888 or, country (if not the United States): \_\_\_\_\_

What is your age: 67

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- American Indian/Alaskan
- Native Hawaiian/other Pacific
- Black/African-American
- Asian
- Hispanic or Latino
- Not Hispanic or Latino
- White
- Don't know

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

FIX power loading sign  
Remove underwater rocks alongside the landing and dock.  
would like porta potty.

ON-SITE/IN-PERSON RECREATION INTERVIEW  
Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)  
NPS Recreation Survey Questionnaire

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) <u>PRIMARY ACTIVITY</u> (Check <u>only one</u> )
Shoreline/tailwater fishing	✓	✓
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES
- NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input type="checkbox"/>
At a developed campground	1	2	3	4	5	<input checked="" type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input checked="" type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please check the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input checked="" type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input checked="" type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input checked="" type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat launch	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat dock	1	2	3	4	5	<input checked="" type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- Federal or State website
- City, local, or municipal website
- Xcel website
- Other websites
- Maps, brochures, pamphlets
- Visitor bureaus/centers
- Previous visits
- Word of mouth
- Social media (e.g., Facebook, Twitter, etc.)
- Travel guides and tour books
- Newspaper/magazine article
- Radio/TV broadcasts
- Other (specify): \_\_\_\_\_

What is the ZIP code where you live or country if not in the United States?

ZIP code: 5A888 or, country (if not the United States): \_\_\_\_\_

What is your age: 37

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- American Indian/Alaskan
- Native Hawaiian/other Pacific
- Black/African-American
- Asian
- Hispanic or Latino
- Not Hispanic or Latino
- White
- Don't know

Please let us know if you have any additional comments regarding your recreation experience during your visit: (contact information)

Everything is great.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



6-20

ON-SITE/IN-PERSON RECREATION INTERVIEW  
Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)  
NPS Recreation Survey Questionnaire

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) <u>PRIMARY ACTIVITY</u> (Check <u>only one</u> )
Shoreline/tailwater fishing		
Fishing from a boat		
Motorized boating	✓	✓
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES
- NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input type="checkbox"/>
At a developed campground	1	2	3	4	5	<input type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please **check** the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input checked="" type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input type="checkbox"/>	
Boat launch	1	2	3	4	5	<input type="checkbox"/>	
Boat dock	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Federal or State website          | <input checked="" type="checkbox"/> Word of mouth                     |
| <input type="checkbox"/> City, local, or municipal website | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.) |
| <input type="checkbox"/> Xcel website                      | <input type="checkbox"/> Travel guides and tour books                 |
| <input type="checkbox"/> Other websites                    | <input type="checkbox"/> Newspaper/magazine article                   |
| <input type="checkbox"/> Maps, brochures, pamphlets        | <input type="checkbox"/> Radio/TV broadcasts                          |
| <input type="checkbox"/> Visitor bureaus/centers           | <input type="checkbox"/> Other (specify): _____                       |
| <input type="checkbox"/> Previous visits                   |   |

What is the ZIP code where you live or country if not in the United States?

ZIP code: 54888 or, country (if not the United States): \_\_\_\_\_

What is your age: 42

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> American Indian/Alaskan       | <input type="checkbox"/> Asian                  | <input checked="" type="checkbox"/> White |
| <input type="checkbox"/> Native Hawaiian/other Pacific | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know       |
| <input type="checkbox"/> Black/African-American        | <input type="checkbox"/> Not Hispanic or Latino |   |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

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6-20

**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**  
**NPS Recreation Survey Questionnaire**

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which **ONE** of these activities is your **PRIMARY ACTIVITY** on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) PRIMARY ACTIVITY (Check <u>only one</u> )
Shoreline/tailwater fishing		
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify) <u>Kayak</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES       NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input checked="" type="checkbox"/>
At a developed campground	1	2	3	4	5	<input checked="" type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input checked="" type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input checked="" type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please check the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	
Restroom	1	2	3	4	5	<input type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input type="checkbox"/>	
Boat launch	1	2	3	4	5	<input type="checkbox"/>	
Boat dock	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	

If you were dissatisfied for any reason, please explain why:

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Federal or State website              | <input type="checkbox"/> Word of mouth                                |
| <input type="checkbox"/> City, local, or municipal website     | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.) |
| <input type="checkbox"/> Xcel website                          | <input type="checkbox"/> Travel guides and tour books                 |
| <input checked="" type="checkbox"/> Other websites             | <input type="checkbox"/> Newspaper/magazine article                   |
| <input checked="" type="checkbox"/> Maps, brochures, pamphlets | <input type="checkbox"/> Radio/TV broadcasts                          |
| <input type="checkbox"/> Visitor bureaus/centers               | <input checked="" type="checkbox"/> Other (specify): _____            |
| <input type="checkbox"/> Previous visits                       |   |

What is the ZIP code where you live or country if not in the United States?

ZIP code: 54801 or, country (if not the United States): \_\_\_\_\_

What is your age: 56

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> American Indian/Alaskan       | <input type="checkbox"/> Asian                  | <input checked="" type="checkbox"/> White |
| <input type="checkbox"/> Native Hawaiian/other Pacific | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know       |
| <input type="checkbox"/> Black/African-American        | <input type="checkbox"/> Not Hispanic or Latino |   |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

Sign at County k Landing  
cell service sucks out here.  
Topographical mapping don't show Landings on the  
dnr website



6-25-22

**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**  
**NPS Recreation Survey Questionnaire**

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which **ONE** of these activities is your **PRIMARY ACTIVITY** on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) PRIMARY ACTIVITY (Check <u>only one</u> )
Shoreline/tailwater fishing		
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify) <i>ke) o k i n g</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES
- NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input type="checkbox"/>
At a developed campground	1	2	3	4	5	<input type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please check the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
	1	2	3	4	5		
Restroom	1	2	3	4	5	<input checked="" type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input checked="" type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input checked="" type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat launch	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat dock	1	2	3	4	5	<input checked="" type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Federal or State website          | <input type="checkbox"/> Word of mouth                                |
| <input type="checkbox"/> City, local, or municipal website | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.) |
| <input type="checkbox"/> Xcel website                      | <input type="checkbox"/> Travel guides and tour books                 |
| <input type="checkbox"/> Other websites                    | <input type="checkbox"/> Newspaper/magazine article                   |
| <input type="checkbox"/> Maps, brochures, pamphlets        | <input type="checkbox"/> Radio/TV broadcasts                          |
| <input type="checkbox"/> Visitor bureaus/centers           | <input type="checkbox"/> Other (specify): _____                       |
| <input checked="" type="checkbox"/> Previous visits        |   |

What is the ZIP code where you live or country if not in the United States?

ZIP code: 54801 or, country (if not the United States): \_\_\_\_\_

What is your age: 52

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> American Indian/Alaskan       | <input type="checkbox"/> Asian                  | <input checked="" type="checkbox"/> White |
| <input type="checkbox"/> Native Hawaiian/other Pacific | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know       |
| <input type="checkbox"/> Black/African-American        | <input type="checkbox"/> Not Hispanic or Latino |   |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

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6-25-22

ON-SITE/IN-PERSON RECREATION INTERVIEW

Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)

NPS Recreation Survey Questionnaire

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) <u>PRIMARY ACTIVITY</u> (Check <u>only one</u> )
Shoreline/tailwater fishing		
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify) <u>kayaking</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES
- NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input checked="" type="checkbox"/>
At a developed campground	1	2	3	4	5	<input checked="" type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input checked="" type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input checked="" type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today:

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please check the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
	1	2	3	4	5	<input type="checkbox"/>	
Restroom	1	2	3	4	5	<input checked="" type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input checked="" type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input checked="" type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat launch	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat dock	1	2	3	4	5	<input checked="" type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Federal or State website          | <input type="checkbox"/> Word of mouth                                |
| <input type="checkbox"/> City, local, or municipal website | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.) |
| <input type="checkbox"/> Xcel website                      | <input type="checkbox"/> Travel guides and tour books                 |
| <input type="checkbox"/> Other websites                    | <input type="checkbox"/> Newspaper/magazine article                   |
| <input type="checkbox"/> Maps, brochures, pamphlets        | <input type="checkbox"/> Radio/TV broadcasts                          |
| <input type="checkbox"/> Visitor bureaus/centers           | <input type="checkbox"/> Other (specify): _____                       |
| <input checked="" type="checkbox"/> Previous visits        |   |

What is the ZIP code where you live or country if not in the United States?

ZIP code: 54801 or, country (if not the United States): \_\_\_\_\_

What is your age: 64

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> American Indian/Alaskan       | <input type="checkbox"/> Asian                  | <input checked="" type="checkbox"/> White |
| <input type="checkbox"/> Native Hawaiian/other Pacific | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know       |
| <input type="checkbox"/> Black/African-American        | <input type="checkbox"/> Not Hispanic or Latino |   |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

Signage to facility is dull in nature.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



7-5-22

**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**  
**NPS Recreation Survey Questionnaire**

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.  
 (B) Which **ONE** of these activities is your **PRIMARY ACTIVITY** on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) PRIMARY ACTIVITY (Check <u>only one</u> )
Shoreline/tailwater fishing	✓	✓
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES       NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input type="checkbox"/>
At a developed campground	1	2	3	4	5	<input checked="" type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input checked="" type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please check the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input checked="" type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input checked="" type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input checked="" type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat launch	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat dock	1	2	3	4	5	<input checked="" type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Federal or State website          | <input type="checkbox"/> Word of mouth                                |
| <input type="checkbox"/> City, local, or municipal website | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.) |
| <input type="checkbox"/> Xcel website                      | <input type="checkbox"/> Travel guides and tour books                 |
| <input type="checkbox"/> Other websites                    | <input type="checkbox"/> Newspaper/magazine article                   |
| <input type="checkbox"/> Maps, brochures, pamphlets        | <input type="checkbox"/> Radio/TV broadcasts                          |
| <input type="checkbox"/> Visitor bureaus/centers           | <input type="checkbox"/> Other (specify): _____                       |
| <input checked="" type="checkbox"/> Previous visits        |   |

What is the ZIP code where you live or country if not in the United States?

ZIP code: 54888 or, country (if not the United States): \_\_\_\_\_

What is your age: 97

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> American Indian/Alaskan       | <input type="checkbox"/> Asian                  | <input checked="" type="checkbox"/> White |
| <input type="checkbox"/> Native Hawaiian/other Pacific | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know       |
| <input type="checkbox"/> Black/African-American        | <input type="checkbox"/> Not Hispanic or Latino |   |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

Everything is great.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**

7-9-22

**NPS Recreation Survey Questionnaire**

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

**Hayward Project:**

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

**Trego Project:**

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which **ONE** of these activities is your **PRIMARY ACTIVITY** on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) <b>PRIMARY ACTIVITY</b> (Check <u>only one</u> )
Shoreline/tailwater fishing	✓	✓
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES       NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input checked="" type="checkbox"/>
At a developed campground	1	2	3	4	5	<input checked="" type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input checked="" type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input checked="" type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items **that you used during your current visit** to this specific recreation facility/reservoir. Also, please **check** the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	
Restroom	1	2	3	4	5	<input checked="" type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input checked="" type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input checked="" type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat launch	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat dock	1	2	3	4	5	<input checked="" type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	

If you were dissatisfied for any reason, please explain why:

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Federal or State website          | <input type="checkbox"/> Word of mouth                                |
| <input type="checkbox"/> City, local, or municipal website | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.) |
| <input type="checkbox"/> Xcel website                      | <input type="checkbox"/> Travel guides and tour books                 |
| <input type="checkbox"/> Other websites                    | <input type="checkbox"/> Newspaper/magazine article                   |
| <input type="checkbox"/> Maps, brochures, pamphlets        | <input type="checkbox"/> Radio/TV broadcasts                          |
| <input type="checkbox"/> Visitor bureaus/centers           | <input type="checkbox"/> Other (specify): _____                       |
| <input checked="" type="checkbox"/> Previous visits        |   |

What is the ZIP code where you live or country if not in the United States?

ZIP code: 55376 or, country (if not the United States): \_\_\_\_\_

What is your age: 17

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> American Indian/Alaskan       | <input type="checkbox"/> Asian                  | <input checked="" type="checkbox"/> White |
| <input type="checkbox"/> Native Hawaiian/other Pacific | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know       |
| <input type="checkbox"/> Black/African-American        | <input type="checkbox"/> Not Hispanic or Latino |   |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

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**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**

7-9-22

**NPS Recreation Survey Questionnaire**

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) <u>PRIMARY ACTIVITY</u> (Check <u>only one</u> )
Shoreline/tailwater fishing	✓	✓
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES       NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public.
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input type="checkbox"/>
At a developed campground	1	2	3	4	5	<input checked="" type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input checked="" type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items **that you used during your current visit** to this specific recreation facility/reservoir. Also, please **check** the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input checked="" type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input checked="" type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input checked="" type="checkbox"/>	
Vehicle parking areas	①	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat launch	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat dock	1	2	3	4	5	<input checked="" type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	
Roads to facility	①	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	①	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	①	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Federal or State website          | <input type="checkbox"/> Word of mouth                                |
| <input type="checkbox"/> City, local, or municipal website | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.) |
| <input type="checkbox"/> Xcel website                      | <input type="checkbox"/> Travel guides and tour books                 |
| <input type="checkbox"/> Other websites                    | <input type="checkbox"/> Newspaper/magazine article                   |
| <input type="checkbox"/> Maps, brochures, pamphlets        | <input type="checkbox"/> Radio/TV broadcasts                          |
| <input type="checkbox"/> Visitor bureaus/centers           | <input type="checkbox"/> Other (specify): _____                       |
| <input checked="" type="checkbox"/> Previous visits        |   |

What is the ZIP code where you live or country if not in the United States?

ZIP code: 55376 or, country (if not the United States): \_\_\_\_\_

What is your age: 22

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |   |   |                                     |
|---|---|-------------------------------------|
| <input checked="" type="checkbox"/> American Indian/Alaskan | <input type="checkbox"/> Asian                  | <input type="checkbox"/> White      |
| <input type="checkbox"/> Native Hawaiian/other Pacific      | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know |
| <input type="checkbox"/> Black/African-American             | <input type="checkbox"/> Not Hispanic or Latino |                                     |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

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**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**

7-9-22

**NPS Recreation Survey Questionnaire**

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) <u>PRIMARY ACTIVITY</u> (Check <u>only one</u> )
Shoreline/tailwater fishing		
Fishing from a boat	✓	✓
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES       NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input type="checkbox"/>
At a developed campground	1	2	3	4	5	<input checked="" type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input checked="" type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input checked="" type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please **check** the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input checked="" type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input checked="" type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input checked="" type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input type="checkbox"/>	
Boat launch	1	2	3	4	5	<input type="checkbox"/>	
Boat dock	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input checked="" type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Federal or State website          | <input type="checkbox"/> Word of mouth                                |
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| <input type="checkbox"/> Xcel website                      | <input type="checkbox"/> Travel guides and tour books                 |
| <input type="checkbox"/> Other websites                    | <input type="checkbox"/> Newspaper/magazine article                   |
| <input type="checkbox"/> Maps, brochures, pamphlets        | <input type="checkbox"/> Radio/TV broadcasts                          |
| <input type="checkbox"/> Visitor bureaus/centers           | <input type="checkbox"/> Other (specify): _____                       |
| <input checked="" type="checkbox"/> Previous visits        |   |

What is the ZIP code where you live or country if not in the United States?

ZIP code: 54858 or, country (if not the United States): \_\_\_\_\_

What is your age: 58

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> American Indian/Alaskan       | <input type="checkbox"/> Asian                  | <input checked="" type="checkbox"/> White |
| <input type="checkbox"/> Native Hawaiian/other Pacific | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know       |
| <input type="checkbox"/> Black/African-American        | <input type="checkbox"/> Not Hispanic or Latino |   |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

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8/6/2022

**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**  
**NPS Recreation Survey Questionnaire**

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- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
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ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) <u>PRIMARY ACTIVITY</u> (Check <u>only one</u> )
Shoreline/tailwater fishing	X	X
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES
- NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	①	2	3	4	5	<input type="checkbox"/>
On the trails	①	2	3	4	5	<input type="checkbox"/>
At a developed campground	1	2	3	4	5	<input checked="" type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	③	4	5	<input type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input checked="" type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Chose not to recreate
- Changed the time of day
- Continued with current plans
- Changed your activity
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please **check** the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input checked="" type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input checked="" type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input checked="" type="checkbox"/>	
Vehicle parking areas	1	②	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat launch	1	2	3	4	5	<input checked="" type="checkbox"/>	
Boat dock	1	2	3	4	5	<input checked="" type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	
Roads to facility	①	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	②	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	②	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Federal or State website          | <input type="checkbox"/> Word of mouth                                |
| <input type="checkbox"/> City, local, or municipal website | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.) |
| <input type="checkbox"/> Xcel website                      | <input type="checkbox"/> Travel guides and tour books                 |
| <input type="checkbox"/> Other websites                    | <input type="checkbox"/> Newspaper/magazine article                   |
| <input type="checkbox"/> Maps, brochures, pamphlets        | <input type="checkbox"/> Radio/TV broadcasts                          |
| <input type="checkbox"/> Visitor bureaus/centers           | <input type="checkbox"/> Other (specify): _____                       |
| <input checked="" type="checkbox"/> Previous visits        |   |

What is the ZIP code where you live or country if not in the United States?

ZIP code: 54843 or, country (if not the United States): \_\_\_\_\_

What is your age: 20-25

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> American Indian/Alaskan       | <input type="checkbox"/> Asian                  | <input checked="" type="checkbox"/> White |
| <input type="checkbox"/> Native Hawaiian/other Pacific | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know       |
| <input type="checkbox"/> Black/African-American        | <input type="checkbox"/> Not Hispanic or Latino |   |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

Pier is small, if there are multiple people plus gear, could  
become over crowded

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2/13/2022

**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**  
**NPS Recreation Survey Questionnaire**

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which **ONE** of these activities is your **PRIMARY ACTIVITY** on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) PRIMARY ACTIVITY (Check <u>only one</u> )
Shoreline/tailwater fishing	✓	✓
Fishing from a boat		
Motorized boating		
Non-motorized boating	✓	
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES
- NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input checked="" type="checkbox"/>
At a developed campground	1	2	3	4	5	<input type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input checked="" type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please check the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	
Restroom	1	2	3	4	5	<input checked="" type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input checked="" type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input checked="" type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input type="checkbox"/>	
Boat launch	1	2	3	4	5	<input type="checkbox"/>	
Boat dock	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	Poor signage - unclear where water access is.
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Federal or State website          | <input type="checkbox"/> Word of mouth                                |
| <input type="checkbox"/> City, local, or municipal website | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.) |
| <input type="checkbox"/> Xcel website                      | <input type="checkbox"/> Travel guides and tour books                 |
| <input type="checkbox"/> Other websites                    | <input type="checkbox"/> Newspaper/magazine article                   |
| <input type="checkbox"/> Maps, brochures, pamphlets        | <input type="checkbox"/> Radio/TV broadcasts                          |
| <input type="checkbox"/> Visitor bureaus/centers           | <input checked="" type="checkbox"/> Other (specify): <u>Family</u>    |
| <input type="checkbox"/> Previous visits                   |   |

What is the ZIP code where you live or country if not in the United States? Prescott, WI  
ZIP code: 54021 or, country (if not the United States): \_\_\_\_\_

What is your age: 30

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> American Indian/Alaskan       | <input type="checkbox"/> Asian                  | <input checked="" type="checkbox"/> White |
| <input type="checkbox"/> Native Hawaiian/other Pacific | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know       |
| <input type="checkbox"/> Black/African-American        | <input type="checkbox"/> Not Hispanic or Latino |   |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

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**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**  
**NPS Recreation Survey Questionnaire**

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.  
 (B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) PRIMARY ACTIVITY (Check <u>only one</u> )
Shoreline/tailwater fishing	✓	✓
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES       NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input checked="" type="checkbox"/>
At a developed campground	1	2	3	4	5	<input checked="" type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input checked="" type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Chose not to recreate
- Changed the time of day
- Continued with current plans
- Changed your activity
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) went to south tailwater & saw other

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip? tailwater access

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please **check** the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input checked="" type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input checked="" type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input type="checkbox"/>	
Boat launch	1	2	3	4	5	<input type="checkbox"/>	
Boat dock	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Federal or State website          | <input checked="" type="checkbox"/> Word of mouth                     |
| <input type="checkbox"/> City, local, or municipal website | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.) |
| <input type="checkbox"/> Xcel website                      | <input type="checkbox"/> Travel guides and tour books                 |
| <input type="checkbox"/> Other websites                    | <input type="checkbox"/> Newspaper/magazine article                   |
| <input type="checkbox"/> Maps, brochures, pamphlets        | <input type="checkbox"/> Radio/TV broadcasts                          |
| <input type="checkbox"/> Visitor bureaus/centers           | <input type="checkbox"/> Other (specify): _____                       |
| <input type="checkbox"/> Previous visits                   |   |

What is the ZIP code where you live or country if not in the United States?

ZIP code: 54871 or, country (if not the United States): \_\_\_\_\_

What is your age: 50

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> American Indian/Alaskan       | <input type="checkbox"/> Asian                  | <input checked="" type="checkbox"/> White |
| <input type="checkbox"/> Native Hawaiian/other Pacific | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know       |
| <input type="checkbox"/> Black/African-American        | <input type="checkbox"/> Not Hispanic or Latino |   |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

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**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**  
**NPS Recreation Survey Questionnaire**

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1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.  
 (B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) PRIMARY ACTIVITY (Check <u>only one</u> )
Shoreline/tailwater fishing	✓	✓
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES       NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input checked="" type="checkbox"/>
At a developed campground	1	2	3	4	5	<input checked="" type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input checked="" type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) went to south tailwater access-

anglers were there, but saw no one was @ N. tailwater access.

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please check the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input checked="" type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input checked="" type="checkbox"/>	
Vehicle parking areas	①	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input type="checkbox"/>	
Boat launch	1	2	3	4	5	<input type="checkbox"/>	
Boat dock	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	
Roads to facility	①	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	①	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |  |
|--|--|
| <input type="checkbox"/> Federal or State website          | <input checked="" type="checkbox"/> Word of mouth                          |
| <input type="checkbox"/> City, local, or municipal website | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.)      |
| <input type="checkbox"/> Xcel website                      | <input type="checkbox"/> Travel guides and tour books                      |
| <input type="checkbox"/> Other websites                    | <input type="checkbox"/> Newspaper/magazine article                        |
| <input type="checkbox"/> Maps, brochures, pamphlets        | <input type="checkbox"/> Radio/TV broadcasts                               |
| <input type="checkbox"/> Visitor bureaus/centers           | <input checked="" type="checkbox"/> Other (specify): <u>Local to area-</u> |
| <input type="checkbox"/> Previous visits                   | <u>fishing here since childhood</u>  |

What is the ZIP code where you live or country if not in the United States?

ZIP code: 54871 or, country (if not the United States): \_\_\_\_\_

What is your age: 50

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> American Indian/Alaskan       | <input type="checkbox"/> Asian                  | <input checked="" type="checkbox"/> White |
| <input type="checkbox"/> Native Hawaiian/other Pacific | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know       |
| <input type="checkbox"/> Black/African-American        | <input type="checkbox"/> Not Hispanic or Latino |   |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

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**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**  
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1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.  
 (B) Which **ONE** of these activities is your **PRIMARY ACTIVITY** on this trip to the area?

ACTIVITY	(A) Participated in <b>ON THIS TRIP</b> (Check <u>all</u> that apply)	(B) PRIMARY ACTIVITY (Check <u>only one</u> )
Shoreline/tailwater fishing	✓	
Fishing from a boat		
Motorized boating		
Non-motorized boating	✓	✓
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES       NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input checked="" type="checkbox"/>
At a developed campground	1	2	3	4	5	<input type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input checked="" type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please **check** the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input type="checkbox"/>	
Boat launch	1	2	3	4	5	<input type="checkbox"/>	
Boat dock	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	Poor Signage - unclear where water access is.
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Federal or State website          | <input type="checkbox"/> Word of mouth                                |
| <input type="checkbox"/> City, local, or municipal website | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.) |
| <input type="checkbox"/> Xcel website                      | <input type="checkbox"/> Travel guides and tour books                 |
| <input type="checkbox"/> Other websites                    | <input type="checkbox"/> Newspaper/magazine article                   |
| <input type="checkbox"/> Maps, brochures, pamphlets        | <input type="checkbox"/> Radio/TV broadcasts                          |
| <input type="checkbox"/> Visitor bureaus/centers           | <input checked="" type="checkbox"/> Other (specify): <u>Family</u>    |
| <input type="checkbox"/> Previous visits                   |   |

What is the ZIP code where you live or country if not in the United States? Prescott, WI  
ZIP code: 54021 or, country (if not the United States): \_\_\_\_\_

What is your age: 38

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> American Indian/Alaskan       | <input type="checkbox"/> Asian                  | <input checked="" type="checkbox"/> White |
| <input type="checkbox"/> Native Hawaiian/other Pacific | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know       |
| <input type="checkbox"/> Black/African-American        | <input type="checkbox"/> Not Hispanic or Latino |   |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

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**ON-SITE/IN-PERSON RECREATION INTERVIEW**

**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**

**NPS Recreation Survey Questionnaire**

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

(A) Which of these activities have you participated in on your current visit to the area.

(B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) PRIMARY ACTIVITY (Check <u>only one</u> )
Shoreline/tailwater fishing		
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)	<i>Hiking</i>	<i>Hiking</i>

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES       NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input type="checkbox"/>
At a developed campground	1	2	3	4	5	<input type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items **that you used during your current visit** to this specific recreation facility/reservoir. Also, please **check** the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input type="checkbox"/>	
Boat launch	1	2	3	4	5	<input type="checkbox"/>	
Boat dock	1	2	3	4	5	<input type="checkbox"/>	
Other: <i>Area</i>	<u>1</u>	2	3	4	5	<input type="checkbox"/>	
Roads to facility	<u>1</u>	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Federal or State website          | <input type="checkbox"/> Word of mouth                                |
| <input type="checkbox"/> City, local, or municipal website | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.) |
| <input type="checkbox"/> Xcel website                      | <input type="checkbox"/> Travel guides and tour books                 |
| <input type="checkbox"/> Other websites                    | <input type="checkbox"/> Newspaper/magazine article                   |
| <input type="checkbox"/> Maps, brochures, pamphlets        | <input type="checkbox"/> Radio/TV broadcasts                          |
| <input type="checkbox"/> Visitor bureaus/centers           | <input type="checkbox"/> Other (specify): _____                       |
| <input checked="" type="checkbox"/> Previous visits        |   |

What is the ZIP code where you live or country if not in the United States?

ZIP code: 54810 or, country (if not the United States): \_\_\_\_\_

What is your age: 62

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> American Indian/Alaskan       | <input type="checkbox"/> Asian                  | <input checked="" type="checkbox"/> White |
| <input type="checkbox"/> Native Hawaiian/other Pacific | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know       |
| <input type="checkbox"/> Black/African-American        | <input type="checkbox"/> Not Hispanic or Latino |   |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

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**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**  
**NPS Recreation Survey Questionnaire**

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) <u>PRIMARY ACTIVITY</u> (Check <u>only one</u> )
Shoreline/tailwater fishing		
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)	Hiking	

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES       NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input type="checkbox"/>
At a developed campground	1	2	3	4	5	<input type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please check the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input type="checkbox"/>	
Boat launch	1	2	3	4	5	<input type="checkbox"/>	
Boat dock	1	2	3	4	5	<input type="checkbox"/>	
Other: <i>Area</i>	1	2	3	4	5	<input type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Federal or State website          | <input checked="" type="checkbox"/> Word of mouth                     |
| <input type="checkbox"/> City, local, or municipal website | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.) |
| <input type="checkbox"/> Xcel website                      | <input type="checkbox"/> Travel guides and tour books                 |
| <input type="checkbox"/> Other websites                    | <input type="checkbox"/> Newspaper/magazine article                   |
| <input type="checkbox"/> Maps, brochures, pamphlets        | <input type="checkbox"/> Radio/TV broadcasts                          |
| <input type="checkbox"/> Visitor bureaus/centers           | <input type="checkbox"/> Other (specify): _____                       |
| <input type="checkbox"/> Previous visits                   |   |

What is the ZIP code where you live or country if not in the United States?

*Big Lake, MN*

ZIP code: 54868 or, country (if not the United States): \_\_\_\_\_

What is your age: 61

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> American Indian/Alaskan       | <input type="checkbox"/> Asian                  | <input checked="" type="checkbox"/> White |
| <input type="checkbox"/> Native Hawaiian/other Pacific | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know       |
| <input type="checkbox"/> Black/African-American        | <input type="checkbox"/> Not Hispanic or Latino |   |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

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8/19/22

**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**  
**NPS Recreation Survey Questionnaire**

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which **ONE** of these activities is your **PRIMARY ACTIVITY** on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) PRIMARY ACTIVITY (Check <u>only one</u> )
Shoreline/tailwater fishing	✓	✓
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES
- NO

(B): If YES: What was it? \_\_\_\_\_

8/19/22

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES
- NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input type="checkbox"/>
At a developed campground	1	2	3	4	5	<input type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES
- NO

(C) If YES, what did you do?

- Moved to a new location
- Chose not to recreate
- Changed the time of day
- Continued with current plans
- Changed your activity
- Other: \_\_\_\_\_

8/19/22

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded

I avoided places here I thought would be crowded today

Other (please specify) Checked North Wallwater 1st

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items **that you used during your current visit** to this specific recreation facility/reservoir. Also, please check the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input type="checkbox"/>	wishes there were trash cans
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input type="checkbox"/>	
Boat launch	1	2	3	4	5	<input type="checkbox"/>	
Boat dock	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	Not much signage, but likes the privacy for fishing
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	

8/19/22

9. How did you obtain information to plan your current trip? (Please select all that apply)

- Federal or State website
- City, local, or municipal website
- Xcel website
- Other websites
- Maps, brochures, pamphlets
- Visitor bureaus/centers
- Previous visits
- Word of mouth
- Social media (e.g., Facebook, Twitter, etc.)
- Travel guides and tour books
- Newspaper/magazine article
- Radio/TV broadcasts
- Other (specify): Bay Park Camping & Resort

What is the ZIP code where you live or country if not in the United States?

ZIP code: 54015 or, country (if not the United States): \_\_\_\_\_

What is your age: 55

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- American Indian/Alaskan
- Native Hawaiian/other Pacific
- Black/African-American
- Asian
- Hispanic or Latino
- Not Hispanic or Latino
- White
- Don't know

Please let us know if you have any additional comments regarding your recreation experience during your visit: (contact information)

\* would be nice to see garbage cans

\*Lighting @ stairs



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**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**  
**NPS Recreation Survey Questionnaire**

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which **ONE** of these activities is your **PRIMARY ACTIVITY** on this trip to the area?

ACTIVITY	(A) Participated in <b>ON THIS TRIP</b> (Check <u>all</u> that apply)	(B) <b>PRIMARY ACTIVITY</b> (Check <u>only one</u> )
Shoreline/tailwater fishing	✓	✓
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES
- NO

(B): If YES: What was it? \_\_\_\_\_

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(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?  
 (Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	(1)	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input checked="" type="checkbox"/>
At a developed campground	1	2	3	4	5	<input checked="" type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	(1)	2	3	4	5	<input type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input checked="" type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_

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6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items **that you used during your current visit** to this specific recreation facility/reservoir. Also, please **check** the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input type="checkbox"/>	
Boat launch	1	2	3	4	5	<input type="checkbox"/>	
Boat dock	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	

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9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Federal or State website          | <input type="checkbox"/> Word of mouth                                |
| <input type="checkbox"/> City, local, or municipal website | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.) |
| <input type="checkbox"/> Xcel website                      | <input type="checkbox"/> Travel guides and tour books                 |
| <input type="checkbox"/> Other websites                    | <input type="checkbox"/> Newspaper/magazine article                   |
| <input type="checkbox"/> Maps, brochures, pamphlets        | <input type="checkbox"/> Radio/TV broadcasts                          |
| <input type="checkbox"/> Visitor bureaus/centers           | <input type="checkbox"/> Other (specify): _____                       |
| <input checked="" type="checkbox"/> Previous visits        |   |

What is the ZIP code where you live or country if not in the United States?

ZIP code: 54801 or, country (if not the United States): \_\_\_\_\_

What is your age: 36

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> American Indian/Alaskan       | <input type="checkbox"/> Asian                  | <input checked="" type="checkbox"/> White |
| <input type="checkbox"/> Native Hawaiian/other Pacific | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know       |
| <input type="checkbox"/> Black/African-American        | <input type="checkbox"/> Not Hispanic or Latino |   |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

- Access to tailwater could be better (slick on concrete - could be difficult for older anglers)

- Pole holders on railings (similar to Thornapple)

- mentioned crowding is an issue if 3+ anglers fishing @ once

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ON-SITE/IN-PERSON RECREATION INTERVIEW  
Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)  
NPS Recreation Survey Questionnaire

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) <u>PRIMARY ACTIVITY</u> (Check <u>only one</u> )
Shoreline/tailwater fishing	✓	✓
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES
- NO

(B): If YES: What was it? \_\_\_\_\_

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(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input checked="" type="checkbox"/>
At a developed campground	1	2	3	4	5	<input checked="" type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input checked="" type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Chose not to recreate
- Changed the time of day
- Continued with current plans
- Changed your activity
- Other: \_\_\_\_\_

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6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please check the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input type="checkbox"/>	
Boat launch	1	2	3	4	5	<input type="checkbox"/>	
Boat dock	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	4	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	

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9. How did you obtain information to plan your current trip? (Please select all that apply)

- Federal or State website
- City, local, or municipal website
- Xcel website
- Other websites
- Maps, brochures, pamphlets
- Visitor bureaus/centers
- Previous visits
- Word of mouth
- Social media (e.g., Facebook, Twitter, etc.)
- Travel guides and tour books
- Newspaper/magazine article
- Radio/TV broadcasts
- Other (specify): Cabin nearby

What is the ZIP code where you live or country if not in the United States?

ZIP code: 55934 or, country (if not the United States): \_\_\_\_\_

What is your age: 50

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- American Indian/Alaskan
- Native Hawaiian/other Pacific
- Black/African-American
- Asian
- Hispanic or Latino
- Not Hispanic or Latino
- White
- Don't know

Please let us know if you have any additional comments regarding your recreation experience during your visit: (contact information)

- commented on cleanliness of area (no garbage)  
& nicely mowed / maintained  
 \_\_\_\_\_  
 \_\_\_\_\_



**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**  
**NPS Recreation Survey Questionnaire**

Northern States Power Company – Wisconsin (NSPW or Applicant), d/b/a Xcel Energy, is in the process of applying for subsequent 40 to 50-year licenses from the Federal Energy Regulatory Commission (FERC) to continue to operate and maintain the existing Hayward and Trego Hydroelectric Projects (Project or Projects). The Projects are owned, operated, and maintained by NSPW. To obtain a license for the Projects, NSPW must submit a final license application to FERC no later than November 30, 2023. As part of the relicensing process, NSPW is conducting several environmental studies which will enable FERC to prepare an environmental report. The purpose of this survey is to collect information about recreational use and visitors' experiences at public recreation facilities around the Hayward and Trego Project reservoirs so that we may better assess existing and future recreational.

1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) PRIMARY ACTIVITY (Check <u>only one</u> )
Shoreline/tailwater fishing	✓	✓
Fishing from a boat		
Motorized boating		
Non-motorized boating		
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES       NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	(1)	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input checked="" type="checkbox"/>
At a developed campground	1	2	3	4	5	<input checked="" type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	(1)	2	3	4	5	<input type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input checked="" type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items that you used during your current visit to this specific recreation facility/reservoir. Also, please check the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	
Restroom	1	2	3	4	5	<input type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input type="checkbox"/>	
Boat launch	1	2	3	4	5	<input type="checkbox"/>	
Boat dock	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	

If you were dissatisfied for any reason, please explain why:

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |  |
|--|--|
| <input type="checkbox"/> Federal or State website          | <input type="checkbox"/> Word of mouth                                   |
| <input type="checkbox"/> City, local, or municipal website | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.)    |
| <input type="checkbox"/> Xcel website                      | <input type="checkbox"/> Travel guides and tour books                    |
| <input type="checkbox"/> Other websites                    | <input type="checkbox"/> Newspaper/magazine article                      |
| <input type="checkbox"/> Maps, brochures, pamphlets        | <input type="checkbox"/> Radio/TV broadcasts                             |
| <input type="checkbox"/> Visitor bureaus/centers           | <input checked="" type="checkbox"/> Other (specify): <u>Cabin nearby</u> |
| <input checked="" type="checkbox"/> Previous visits        |  |

What is the ZIP code where you live or country if not in the United States?

ZIP code: 54669 or, country (if not the United States): \_\_\_\_\_

What is your age: 51

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> American Indian/Alaskan       | <input type="checkbox"/> Asian                  | <input checked="" type="checkbox"/> White |
| <input type="checkbox"/> Native Hawaiian/other Pacific | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know       |
| <input type="checkbox"/> Black/African-American        | <input type="checkbox"/> Not Hispanic or Latino |   |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

- appreciates how well maintained / mowed the site is  
- sometimes notices trash (cleans it up but would appreciate trash receptacles)

**ON-SITE/IN-PERSON RECREATION INTERVIEW**  
**Hayward & Trego Hydroelectric Projects (FERC Nos. 2417 and 2711)**  
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1. Check the box on the location where you received this survey:

Hayward Project:

- Hayward Canoe Portage Take-out and Carry-In Access
- Hayward Canoe Portage Trail and Put-in
- Informal Tailwater Bank Fishing Access
- City of Hayward Boat Landing
- City of Hayward Beach/Fishing Pier
- Bartz's Bay Informal Ice Fishing Access

Trego Project:

- Town of Trego Park Boat Landing
- Town of Trego Boat Landing
- Trego North Tailwater Access/Canoe Portage
- Trego South Tailwater Access

2. Below is a list of activities available. Please indicate:

- (A) Which of these activities have you participated in on your current visit to the area.
- (B) Which ONE of these activities is your PRIMARY ACTIVITY on this trip to the area?

ACTIVITY	(A) Participated in <u>ON THIS TRIP</u> (Check <u>all</u> that apply)	(B) PRIMARY ACTIVITY (Check <u>only one</u> )
Shoreline/tailwater fishing		
Fishing from a boat		
Motorized boating		
Non-motorized boating	✓	✓
Swimming		
Picnicking		
Wildlife Viewing		
Ice Fishing		
Other (specify)		

3. (A): Were there any activities that you and your group wanted to do on this visit to (AREA) that you were not able to?

- YES       NO

(B): If YES: What was it? \_\_\_\_\_

(C): Which of the following reasons, if any, explain why you did not engage in the activity?

- Rules or regulations did not allow for activity
- Area was temporarily closed to the public
- Not enough time
- Safety concerns
- Not enough information about the activity
- Too crowded
- Difficult road or trail access
- No road or trail access
- Unsatisfactory facilities or conditions of land or water (please specify) \_\_\_\_\_
- Resource damage due to overuse
- No facilities or services
- Bad weather
- Flooding or other natural hazard
- Other (please specify) \_\_\_\_\_

4. Does anyone in your personal group have a physical condition or personal limitation that made it difficult to access or participate in [site] activities or services?

- YES       NO

If YES, on this visit what activities or services did the person(s) have difficulty accessing or participating in?

(Please describe): \_\_\_\_\_

5. (A) How crowded did you feel while recreating at these locations today at this recreation facility/reservoir?

[Select one number for each or indicate it was not applicable to your visit.]

LOCATION / AREA	Not at all crowded	Slightly crowded	Moderately crowded	Very crowded	Extremely crowded	Not applicable
In parking areas	1	2	3	4	5	<input type="checkbox"/>
On the trails	1	2	3	4	5	<input checked="" type="checkbox"/>
At a developed campground	1	2	3	4	5	<input checked="" type="checkbox"/>
At a boat-in campsite	1	2	3	4	5	<input checked="" type="checkbox"/>
While fishing from the shoreline	1	2	3	4	5	<input checked="" type="checkbox"/>
While boating/fishing from a boat	1	2	3	4	5	<input type="checkbox"/>

(B) If you felt crowded, did you modify your recreation plans because you felt crowded?

- YES       NO

(C) If YES, what did you do?

- Moved to a new location
- Changed the time of day
- Changed your activity
- Chose not to recreate
- Continued with current plans
- Other: \_\_\_\_\_

6. During the planning process for your visit, how did the possibility of crowds affect your trip plans?

(Please select one response)

- It did not affect my plans
- I visited at a time of day I thought would be less crowded
- I visited on a day of the week I thought would be less crowded
- I avoided places here I thought would be crowded today
- Other (please specify) \_\_\_\_\_

7. Did the actions or behavior of any other group or individual interfere with your enjoyment on this trip?

- YES
- NO

If yes, what type of group or person interfered with your enjoyment on this trip?

Group/Person	Reason(s)		
	Proximity	Loudness	Other (please specify)
Motorized boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized watercraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. How satisfied were you with the following amenities at this recreation facility/reservoir today.

**Important:** Please only circle a number for the items **that you used during your current visit** to this specific recreation facility/reservoir. Also, please **check** the "Did Not Use" box, if you did not use the item or it does not exist at the specific recreation facility.

	Very Satisfied	Satisfied	Neither	Dissatisfied	Very Dissatisfied	Did Not Use	If you were dissatisfied for any reason, please explain why:
Restroom	1	2	3	4	5	<input type="checkbox"/>	
Picnic sites	1	2	3	4	5	<input type="checkbox"/>	
Trash receptacles	1	2	3	4	5	<input type="checkbox"/>	
Vehicle parking areas	1	2	3	4	5	<input type="checkbox"/>	
Boat launch parking area	1	2	3	4	5	<input type="checkbox"/>	
Boat launch	1	2	3	4	5	<input type="checkbox"/>	
Boat dock	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	
Roads to facility	1	2	3	4	5	<input type="checkbox"/>	
Signage to the facility	1	2	3	4	5	<input type="checkbox"/>	
Signage within the facility	1	2	3	4	5	<input type="checkbox"/>	
Other:	1	2	3	4	5	<input type="checkbox"/>	

9. How did you obtain information to plan your current trip? (Please select all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Federal or State website          | <input type="checkbox"/> Word of mouth                                |
| <input type="checkbox"/> City, local, or municipal website | <input type="checkbox"/> Social media (e.g., Facebook, Twitter, etc.) |
| <input type="checkbox"/> Xcel website                      | <input type="checkbox"/> Travel guides and tour books                 |
| <input type="checkbox"/> Other websites                    | <input type="checkbox"/> Newspaper/magazine article                   |
| <input type="checkbox"/> Maps, brochures, pamphlets        | <input type="checkbox"/> Radio/TV broadcasts                          |
| <input type="checkbox"/> Visitor bureaus/centers           | <input type="checkbox"/> Other (specify): _____                       |
| <input checked="" type="checkbox"/> Previous visits        |   |

Local

What is the ZIP code where you live or country if not in the United States?

ZIP code: 54888 or, country (if not the United States): \_\_\_\_\_

What is your age: 73

What is your gender?  Male  Female  Non-binary

Which of these categories best indicates your race and ethnicity? Answer only for yourself.

Please select one or more.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> American Indian/Alaskan       | <input type="checkbox"/> Asian                  | <input checked="" type="checkbox"/> White |
| <input type="checkbox"/> Native Hawaiian/other Pacific | <input type="checkbox"/> Hispanic or Latino     | <input type="checkbox"/> Don't know       |
| <input type="checkbox"/> Black/African-American        | <input type="checkbox"/> Not Hispanic or Latino |   |

Please let us know if you have any additional comments regarding your recreation experience during your visit:  
(contact information)

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**Appendix 6**  
**Spot Count Raw Datasheets**

Recreation Observation (Spot Count) Form

Date: 1/22/2022

Time: 0900

Hayward Project P-2417

Survey Person: Marty Sween

Note: Please list primary activity by placing a "P" in the box. Use and "S" for secondary activities.

Temperature: 10F @ 0700

Weather: Overcast

Wind Speed: WNW 13mph

Recreation Site	Number of People	Recreation Activities											Notes			
		Shoreline Fishing	Boat Fishing	Swimming	Hiking/Walking/Jogging	Bicycling	Picnicking	Bird Watching	Wildlife Viewing	Non-Powered Boating	Power Boating	ATV/Snowmobile		Other (specify) Ice Fishing		
Canoe Portage Take-Out & Carry-In Reservoir Access	0															0700
Canoe Portage Trail and Put-In	0															0802
Informal Tailwater Bank Fishing Area	0															0902
Hayward City Boat Landing	2															X 1003
Hayward City Beach/Barrier-Free Fishing Pier	0															1103
Bartz's Bay Informal Ice Fishing Access (Jan & Feb only)	1															X 1207

Additional Comments:

- Overnight snow, cold + windy, ~ 2in accumulation
- Temp decreased from 0700-0800, 10F to 7F, clouds clearing @ 0800, 4F @ 1000
- Hayward City Beach/Pier road closed w/ locked gate + unplowed, foot access only
- Snow machines obs crossing lake, tracks indicate boat ramp is an access point
- The 2 @ Hayward Boat Launch were ice fishing, temp 2F @ 1003

Snow machine lake crossing UHT III

At boat ramp

~~UHT III~~ 1020 to 1046

II

Recreation Observation (Spot Count) Form

Date: 1/27/2022 Time: 1156

Hayward Project P-2417

Survey Person: M. Renik Note: Please list primary activity by placing a "P" in the box. Use and "S" for secondary activities.

Temperature: 20°F Weather: Partly Cloudy Wind Speed: 13 NNW

Recreation Site	Number of People	Recreation Activities											Notes			
		Shoreline Fishing	Boat Fishing	Swimming	Hiking/Walking/Jogging	Bicycling	Picnicking	Bird Watching	Wildlife Viewing	Non-Powered Boating	Power Boating	ATV/Snowmobile		Other (specify)		
Canoe Portage Take-Out & Carry-In Reservoir Access	P															1719
Canoe Portage Trail and Put-In	P															1615
Informal Tailwater Bank Fishing Area	P															1515
Hayward City Boat Landing	P															1413
Hayward City Beach/Barrier-Free Fishing Pier	P															1313
Bartz's Bay Informal Ice Fishing Access (Jan. & Feb. only)	-														1	1156

Additional Comments:

Bartz Bay - (1) Ice fisherman

\* AS Day went on, clouds dispersed, mostly sunny afternoon

1442 1509  
 ↓  
 Snow mobile - 1 11 → Hayward Boat Landing

Recreation Observation (Spot Count) Form

Date: 2/9/2022 Time: 0700

Hayward Project P-2417

Survey Person: M. Renik  
 Temperature: 33°F, Feels Like 28°F  
 Weather: Snow Wind Speed: 5mph WNW

Note: Please list primary activity by placing a "P" in the box. Use and "S" for secondary activities.

Recreation Site	Number of People	Recreation Activities											Notes		
		Shoreline Fishing	Boat Fishing	Swimming	Hiking/Walking/Jogging	Bicycling	Picnicking	Bird Watching	Wildlife Viewing	Non-Powered Boating	Power Boating	ATV/Snowmobile		Other (specify)	
Canoe Portage Take-Out & Carry-In Reservoir Access	1														1207
Canoe Portage Trail and Put-In	1														1105
Informal Tailwater Bank Fishing Area	1														1005
Hayward City Boat Landing	1														0903
Hayward City Beach/Barrier-Free Fishing Pier	1														0803
Bartz's Bay Informal Ice Fishing Access (Jan & Feb only)	1														0700

Additional Comments:

0700 heavy wet snow  
 1230 snow slowed, wind increased

Recreation Observation (Spot Count) Form

Date: 19 February 2022

Time: 1147 -

Hayward Project P-2417

Survey Person: M. Sween

Note: Please list primary activity by placing a "P" in the box. Use and "S" for secondary activities.

Temperature: 14

Weather: Clear

Wind Speed: SW 6 mph

Recreation Site	Number of People	Recreation Activities											Notes		
		Shoreline Fishing	Boat Fishing	Swimming	Hiking/Walking/Jogging	Bicycling	Picnicking	Bird Watching	Wildlife Viewing	Non-Powered Boating	Power Boating	ATV/Snowmobile		Other (specify) Ice Angler	
Canoe Portage Take-Out & Carry-In Reservoir Access	0														1147
Canoe Portage Trail and Put-In	0														1717
Informal Tailwater Bank Fishing Area	0														1617
Hayward City Boat Landing	3														P 1515
Hayward City Beach/Barrier-Free Fishing Pier	0														1415
Bartz's Bay Informal Ice Fishing Access (Jan & Feb only)	2														P 1312

Additional Comments:

1312 - 8F, Clear, Wind S 14 mph. Ice anglers were still on ice @ 1412, no interview

1415 - 10F, mostly cloudy, Wind S 18 mph

1515 - 10F, Overcast, Wind S 17 mph  
3 ice anglers still on ice @ 1615 when left

Hayward Boat Launch  
Snow machines  
ETT 111

Recreation Observation (Spot Count) Form

Date: 4/10/2022 Time: 0700

Hayward Project P-2417

Survey Person: M. Renik

Temperature: 34°F Feels Like 28°F Weather: Pt Cloudy Wind Speed: ESE 7mph

Note: Please list primary activity by placing a "P" in the box. Use "S" for secondary activities.

Recreation Site	Number of People	Recreation Activities											Notes		
		Shoreline Fishing	Boat Fishing	Swimming	Hiking/Walking/Jogging	Bicycling	Picnicking	Bird Watching	Wildlife Viewing	Non-Powered Boating	Power Boating	ATV/Snowmobile		Other (specify)	
Canoe Portage Take-Out & Carry-In Reservoir Access	0														0803
Canoe Portage Trail and Put-In	1														0700
Informal Tailwater Bank Fishing Area	0														1109
Hayward City Boat Landing	0														1006
Hayward City Beach/Barrier-Free Fishing Pier	0														0906
Bartz's Bay Informal Ice Fishing Access (Jan & Feb only)	—														—

Additional Comments:

\* 0700 1 vehicle @ canoe access below Dam. Could not locate persons for survey by end of hour.  
 \* 0906 Beach gates not open yet. Ice still out on Lake

Recreation Observation (Spot Count) Form

Date: 5/1/2022 Time: 1214

Hayward Project P-2417

Survey Person: M. Sreen J Arbuckle

Note: Please list primary activity by placing a "P" in the box. Use and "S" for secondary activities.

Temperature: 50 F @ 1214 Weather: Light Rain Wind Speed: N 5mph

Recreation Site	Number of People	Recreation Activities											Notes		
		Shoreline Fishing	Boat Fishing	Swimming	Hiking/Walking/Jogging	Bicycling	Picnicking	Bird Watching	Wildlife Viewing	Non-Powered Boating	Power Boating	ATV/Snowmobile		Other (specify)	
Canoe Portage Take-Out & Carry-In Reservoir Access	0														1414
Canoe Portage Trail and Put-In	0														1314
Informal Tailwater Bank Fishing Area	0														1214
Hayward City Boat Landing	0														1616
Hayward City Beach/Barrier-Free Fishing Pier	0														1516 Closed
Bartz's Bay Informal Ice Fishing Access (Jan & Feb only)	NA														

Additional Comments:

@ 1343, a training canoe racing tandem paddled past the park/beach

Recreation Observation (Spot Count) Form

Date: 5-28-2022

Time: 7 AM - 12:36

Hayward Project P-2417

Survey Person: Joshua Arkoskie

Note: Please list primary activity by placing a "P" in the box. Use and "S" for secondary activities.

Temperature: 58°

Weather: Rainy

Wind Speed: 4 mph

Recreation Site	Number of People	Recreation Activities											Notes		
		Shoreline Fishing	Boat Fishing	Swimming	Hiking/Walking/Jogging	Bicycling	Picnicking	Bird Watching	Wildlife Viewing	Non-Powered Boating	Power Boating	ATV/Snowmobile		Other (specify)	
Canoe Portage Take-Out & Carry-In Reservoir Access	0														10:23 AM
Canoe Portage Trail and Put-In	0														9:15 AM
Informal Tailwater Bank Fishing Area	0														8:05 AM
Hayward City Boat Landing	0														7 AM
Hayward City Beach/Barrier-Free Fishing Pier	2				2			1							11:36 AM
Bartz's Bay Informal Ice Fishing Access (Jan & Feb only)															

Additional Comments:

3 cars came in and left no exiting Hayward park. Attempted to interview 2 joggers they declined Hayward park



Recreation Observation (Spot Count) Form

Date: 6-12-2022 Time: 12:37-6:09

Hayward Project P-2417

Survey Person: Tasha Arbacke Note: Please list primary activity by placing a "P" in the box. Use and "S" for secondary activities.

Temperature: 64' Weather: Fair Wind Speed: 10 mph

Recreation Site	Number of People	Recreation Activities											Notes		
		Shoreline Fishing	Boat Fishing	Swimming	Hiking/Walking/Jogging	Bicycling	Picnicking	Bird Watching	Wildlife Viewing	Non-Powered Boating	Power Boating	ATV/Snowmobile		Other (specify)	
Canoe Portage Take-Out & Carry-In Reservoir Access	00000														5:29 PM
Canoe Portage Trail and Put-In	00000														9:06 PM
Informal Tailwater Bank Fishing Area	00000		2												2:51 PM
Hayward City Boat Landing	00000														12:37 PM
Hayward City Beach/Barrier-Free Fishing Pier	00000														1:34 PM
Bartz's Bay Informal Ice Fishing Access (Jan & Feb only)															

Additional Comments:

*nothing of note.*

Recreation Observation (Spot Count) Form

Date: 6-20-22 Time: 12:02 pm - 3:43 pm

Hayward Project P-2417

Survey Person: Joshua Abbackie Note: Please list primary activity by placing a "P" in the box. Use and "S" for secondary activities.

Temperature: 89° Weather: sunny Wind Speed: 16 mph

Recreation Site	Number of People	Recreation Activities											Notes	
		Shoreline Fishing	Boat Fishing	Swimming	Hiking/Walking/Jogging	Bicycling	Picnicking	Bird Watching	Wildlife Viewing	Non-Powered Boating	Power Boating	ATV/Snowmobile		Other (specify)
Canoe Portage Take-Out & Carry-In Reservoir Access	0													1:23 pm
Canoe Portage Trail and Put-In	0													12:02 pm
Informal Tailwater Bank Fishing Area	0													4:43 pm
Hayward City Boat Landing	0													3:20 pm
Hayward City Beach/Barrier-Free Fishing Pier	27				P	S								2:15 pm
Bartz's Bay Informal Ice Fishing Access (Jan & Feb only)														

Additional Comments:

Recreation Observation (Spot Count) Form

Date: 6-25-22 Time: 7 Am - 12:25 PM pm

Hayward Project P-2417

Survey Person: Joshua Akbackie Note: Please list primary activity by placing a "P" in the box. Use and "S" for secondary activities.

Temperature: 66° Weather: Cloudy Wind Speed: 4 mph

Recreation Site	Number of People	Recreation Activities											Notes	
		Shoreline Fishing	Boat Fishing	Swimming	Hiking/Walking/Jogging	Bicycling	Picnicking	Bird Watching	Wildlife Viewing	Non-Powered Boating	Power Boating	ATV/Snowmobile		Other (specify)
Canoe Portage Take-Out & Carry-In Reservoir Access	0													7 Am
Canoe Portage Trail and Put-In	1													12:25 PM
Informal Tailwater Bank Fishing Area	0													11:25 Am
Hayward City Boat Landing	1		P											10:25 Am
Hayward City Beach/Barrier-Free Fishing Pier	1													9:09 Am
<del>Bartz's Bay Informal Ice Fishing Access (Jan &amp; February)</del>														8:09 Am

Additional Comments:

Recreation Observation (Spot Count) Form

Date: 7-4-22 Time: 12:17 - 5:38 pm

Hayward Project P-2417

Survey Person: Joshua Abbacki

Temperature: 77°

Weather: Cloudy Wind Speed: 6 mph

Note: Please list primary activity by placing a "P" in the box. Use and "S" for secondary activities.

Recreation Site	Number of People	Recreation Activities											Notes		
		Shoreline Fishing	Boat Fishing	Swimming	Hiking/Walking/Jogging	Bicycling	Picnicking	Bird Watching	Wildlife Viewing	Non-Powered Boating	Power Boating	ATV/Snowmobile		Other (specify)	
Canoe Portage Take-Out & Carry-In Reservoir Access	0														3:41 pm
Canoe Portage Trail and Put-In	0														2:38 pm
Informal Tailwater Bank Fishing Area	0														7:36 pm
Hayward City Boat Landing	2														12:17 pm
Hayward City Beach/Barrier-Free Fishing Pier	49			P				S							4:38 pm
Bart's Bay Informal Ice Fishing Access (Jan & Feb only)															

Pish watching

Additional Comments:

Recreation Observation (Spot Count) Form

Date: 7-5-22 Time: 7 AM - 12:12

Hayward Project P-2417

Survey Person: Joshua ARBUCKLE  
 Temperature: 67° Weather: Foggy but clear Wind Speed: 0 mph  
 Note: Please list primary activity by placing a "P" in the box. Use and "S" for secondary activities.

Recreation Site	Number of People	Recreation Activities											Notes	
		Shoreline Fishing	Boat Fishing	Swimming	Hiking/Walking/Jogging	Bicycling	Picnicking	Bird Watching	Wildlife Viewing	Non-Powered Boating	Power Boating	ATV/Snowmobile		Other (specify)
Canoe Portage Take-Out & Carry-In Reservoir Access	0													9 AM
Canoe Portage Trail and Put-In	0													8 AM
Informal Tailwater Bank Fishing Area	0													7 AM
Hayward City Boat Landing	0			S			P		S					10:06 AM
Hayward City Beach/Barrier-Free Fishing Pier	0													11:12 AM
<del>Bartz's Bay Informal Ice Fishing Access (Jan &amp; Feb only)</del>														

Additional Comments:

Recreation Observation (Spot Count) Form

Date: 8/6/2022 Time: 0700

Hayward Project P-2417

Survey Person: M Renik

Temperature: 73°F Weather: Partly Cloudy Wind Speed: S 7mph

Note: Please list primary activity by placing a "P" in the box. Use and "S" for secondary activities.

Recreation Site	Number of People	Recreation Activities											Notes		
		Shoreline Fishing	Boat Fishing	Swimming	Hiking/Walking/Jogging	Bicycling	Picnicking	Bird Watching	Wildlife Viewing	Non-Powered Boating	Power Boating	ATV/Snowmobile		Other (specify)	
Canoe Portage Take-Out & Carry-In Reservoir Access	1														0700
Canoe Portage Trail and Put-In	5														1107
Informal Tailwater Bank Fishing Area	4														1007
Hayward City Boat Landing	3														0904
Hayward City Beach/Barrier-Free Fishing Pier	2														0803
Bartz's Bay Informal Ice Fishing Access (Jan & Feb only)															

Additional Comments:

0955 slight rain started  
1045 heavier rains

Recreation Observation (Spot Count) Form

Date: 8/13/22 Time: 1355-

Hayward Project: P-2417

Survey Person: K. Jackson

Note: Please list primary activity by placing a "P" in the box. Use and "S" for secondary activities.

Temperature: 62 Weather: Wind Speed:

Recreation Site	Number of People	Recreation Activities											Notes			
		Shoreline Fishing	Boat Fishing	Swimming	Hiking/Walking/Jogging	Bicycling	Picnicking	Bird Watching	Wildlife Viewing	Non-Powered Boating	Power Boating	ATV/Snowmobile		Other (specify)		
Canoe Portage Take-Out & Carry-In Reservoir Access	5				5											
Canoe Portage Trail and Put-In	0				0											
Informal Tailwater Bank Fishing Area		1														
Hayward City Boat Landing	2										2					
Hayward City Beach/Barrier-Free Fishing Pier	21	16		2							1			2	Playground	
Bartz's Bay Informal Ice Fishing Access (Jan & Feb only)	NA															

Additional Comments:

62°F, cloudy/overcast, 8-11 mph N/NE  
 62°F 7-9 mph NNE

Recreation Observation (Spot Count) Form

Date: 8/19/22 Time: 0733-1300

Hayward Project: P-2417

Survey Person: K. Jackson

Note: Please list primary activity by placing a "P" in the box. Use and "S" for secondary activities.

Recreation Site	Temperature:	Weather:	Wind Speed:	Recreation Activities										Notes		
				Shoreline Fishing	Boat Fishing	Swimming	Hiking/Walking/Jogging	Bicycling	Picnicking	Bird Watching	Wildlife Viewing	Non-Powered Boating	Power Boating		ATV/Snowmobile	Other (specify)
Canoe Portage Take-Out & Carry-In Reservoir Access																
Canoe Portage Trail and Put-In																
Informal Tailwater Bank Fishing Area																
Hayward City Boat Landing																
Hayward City Beach/Barrier-Free Fishing Pier	28				<del>    </del>											TRAILER
Bartz's Bay Informal Ice Fishing Access (Jan & Feb only)																<del>    </del> Playground

Additional Comments:

- 0738 = 64°F, wind SSE 6mph, 95% Humidity, overcast, misting to light rain
- 0913 = 65°F, wind S 6mph, 100% humidity, overcast, cool
- 1020 = 67°F, mostly cloudy w/ some sun. wind SSE 7mph, 84% Humidity
- 1100 = 68°F, mostly cloudy w/ some sun. wind SSE 7mph 79% Humidity
- 1225 = 72°F, partly sunny, wind SSE 5mph, 72% Humidity



Recreation Observation (Spot Count) Form

Date: 9/11/22

Time: 1245 - 1800

Hayward Project P-2417

Survey Person: K. Jackson

Note: Please list primary activity by placing a "P" in the box. Use and "S" for secondary activities.

Temperature:

Weather:

Wind Speed:

Recreation Activities

Recreation Site	Number of People	Recreation Activities											Notes			
		Shoreline Fishing	Boat Fishing	Swimming	Hiking/Walking/Jogging	Bicycling	Picnicking	Bird Watching	Wildlife Viewing	Non-Powered Boating	Power Boating	ATV/Snowmobile		Other (specify)		
Canoe Portage Take-Out & Carry-In Reservoir Access	1	P													S	Dog-swimming
Canoe Portage Trail and Put-In	0															
Informal Tailwater Bank Fishing Area	0															
Hayward City Boat Landing	5	P	P													
Hayward City Beach/Barrier-Free Fishing Pier	10		P							P	P			P		Playground
<del>Bartz's Bay Informal Ice Fishing Access (Jan &amp; Feb only)</del>																

Additional Comments:

\* 1330 = 65°F, sunny, N 9mph, 45% Humidity

\* 1525 = 68°F, sunny, N 9mph, 44% Humidity

\* 1620 = 68°F, mostly sunny, N 8mph, 42% Humidity

\* 1722 = 69°F, sunny, N 6mph, 39% Humidity

Recreation Observation (Spot Count) Form

Date: 1/22/2022 Time: 1330

Trego Project P-2711

Survey Person: Marty Sreen Note: Please list primary activity by placing a "P" in the box. Use and "S" for secondary activities.

Temperature: 8 F Weather: Mostly Cloudy Wind Speed: W 9 mph

Recreation Site	Number of People	Recreation Activities											Notes		
		Shoreline Fishing	Boat Fishing	Swimming	Hiking/Walking/Jogging	Bicycling	Picnicking	Bird Watching	Wildlife Viewing	Non-Powered Boating	Power Boating	ATV/Snowmobile		Other (specify)	
Town of Trego Park Boat Landing	<del>0</del>														1330
Town of Trego Boat Landing	<del>0</del>														1440
Trego North Tailwater Access (Canoe Portage)	<del>0</del>														1548
Trego South Tailwater Access	<del>0</del>														1650

Additional Comments:

Recreation Observation (Spot Count) Form

Date: 1/27/2022 Time: 0700

Trego Project P-2711

Survey Person: M. Renik

Note: Please list primary activity by placing a "P" in the box. Use and "S" for secondary activities.

Temperature: 21 F Weather: Mostly Cloudy Wind Speed: NW 5 mph

Recreation Site	Number of People	Recreation Activities											Notes		
		Shoreline Fishing	Boat Fishing	Swimming	Hiking/Walking/Jogging	Bicycling	Picnicking	Bird Watching	Wildlife Viewing	Non-Powered Boating	Power Boating	ATV/Snowmobile		Other (specify)	
Town of Trego Park Boat Landing	0				2										1023
Town of Trego Boat Landing	2				2										0911
Trego North Tailwater Access (Canoe Portage)	0														0803
Trego South Tailwater Access	0														0700

Additional Comments:

\*Town Trego Boat Landing - Dog walking  
 Light Snow started @ ~1000, Ended 1045

Recreation Observation (Spot Count) Form

Date: 2/9/2022

Time: 1350

Trego Project P-2711

Survey Person: M. Renik

Temperature: 28°F, Feels like 18°F

Weather: Overcast

Wind Speed: 13 mph NW

Note: Please list primary activity by placing a "P" in the box. Use and "S" for secondary activities.

Recreation Site	Number of People	Recreation Activities											Notes		
		Shoreline Fishing	Boat Fishing	Swimming	Hiking/Walking/Jogging	Bicycling	Picnicking	Bird Watching	Wildlife Viewing	Non-Powered Boating	Power Boating	ATV/Snowmobile		Other (specify)	
Town of Trego Park Boat Landing	0														1504
Town of Trego Boat Landing	0														1612
Trego North Tailwater Access (Canoe Portage)	0														1721
Trego South Tailwater Access	0														1350

Additional Comments:

1330 Snow stopped  
 1535 Snowing again  
 1613 Snow stop

Recreation Observation (Spot Count) Form

Date: 19 February 2022 Time: 0700-1117

Trego Project P-2711

Survey Person: M. Saasen Note: Please list primary activity by placing a "P" in the box. Use and "S" for secondary activities.

Temperature: -15F Weather: Clear Wind Speed: W 3 mph

Recreation Site	Number of People	Recreation Activities											Notes		
		Shoreline Fishing	Boat Fishing	Swimming	Hiking/Walking/Jogging	Bicycling	Picnicking	Bird Watching	Wildlife Viewing	Non-Powered Boating	Power Boating	ATV/Snowmobile		Other (specify)	
Town of Trego Park Boat Landing	0														0912
Town of Trego Boat Landing	0														1017
Trego North Tailwater Access (Canoe Portage)	0														0700
Trego South Tailwater Access	0														0803

Additional Comments:

0803 - BF, Wind W 3mph, Clear  
 1017 - BF, Wind W 6mph, Clear

Recreation Observation (Spot Count) Form

Date: 4/10/2022 Time: 1247

Trego Project P-2711

Survey Person: M. Renik

Note: Please list primary activity by placing a "P" in the box. Use and "S" for secondary activities.

Temperature: 54°F feels like 50°F Weather: Overcast Wind Speed: SE 13 mph

Recreation Site	Number of People	Recreation Activities											Notes		
		Shoreline Fishing	Boat Fishing	Swimming	Hiking/Walking/Jogging	Bicycling	Picnicking	Bird Watching	Wildlife Viewing	Non-Powered Boating	Power Boating	ATV/Snowmobile		Other (specify)	
Town of Trego Park Boat Landing	1														1612
Town of Trego Boat Landing	0														1247
Trego North Tailwater Access (Canoe Portage)	0														1355
Trego South Tailwater Access	1														1500

Additional Comments:

\*1247: Still some ICE around shorelines  
 \*1355: Top of Dam still has ICE  
 \*1612: 1 vehicle in parking area. No one in immediate area could be found, multiple walks to search. Could be @ campground up hill?  
 ↳ 1712 No one came to the vehicle before time limit of 1hr for this location.

Recreation Observation (Spot Count) Form

Date: 5/1/2022 Time: 0700

Trego Project: P-2711

Survey Person: M. Sreen J. Arbuckle

Note: Please list primary activity by placing a "P" in the box. Use and "S" for secondary activities.

Temperature: 44 @ 0700

Weather: Rain light

Wind Speed: 2 mph

Recreation Site	Number of People	Recreation Activities											Notes		
		Shoreline Fishing	Boat Fishing	Swimming	Hiking/Walking/Logging	Bicycling	Picnicking	Bird Watching	Wildlife Viewing	Non-Powered Boating	Power Boating	ATV/Snowmobile		Other (specify)	
Town of Trego Park Boat Landing	<u>0</u>														<u>0700</u>
Town of Trego Boat Landing	<u>0</u>														<u>0825</u>
Trego North Tailwater Access (Canoe Portage)	<u>0</u>														<u>0933</u>
Trego South Tailwater Access	<u>0</u>														<u>1037</u>

Additional Comments:

@1050, an angler fishing the North Tailwater arrived.  
- caught a few trout  
@1055, a boat was obs. in the lower lake, maybe 250 yds U/S of dam, along north shore  
- unclear but appears to be fishing

Recreation Observation (Spot Count) Form

Date: 5-28-2022 Time: 1:09 pm

Trego Project P-2711

Survey Person: Joshua Arbachke

Note: Please list primary activity by placing a "P" in the box. Use and "S" for secondary activities.

Temperature: 61° Weather: Cloudy Wind Speed: ~~10 mph~~ 10 mph

Recreation Site	Number of People	Recreation Activities											Notes		
		Shoreline Fishing	Boat Fishing	Swimming	Hiking/Walking/Jogging	Bicycling	Picnicking	Bird Watching	Wildlife Viewing	Non-Powered Boating	Power Boating	ATV/Snowmobile		Other (specify)	
Town of Trego Park Boat Landing	1	<u>1</u>													2:21 pm
Town of Trego Boat Landing	0														3:40 pm
Trego North Tailwater Access (Canoe Portage)	1									2					4:53 pm
Trego South Tailwater Access	0														1:04 pm

Additional Comments:

did one interview at South Tailwater he lived here years ago and travels now that's why his Area code is off.



Recreation Observation (Spot Count) Form

Date: 6-12-22 Time: 7 Am - 11:37 Am

Trego Project P-2711

Survey Person: Joshua Arbuckle

Temperature: 52° Weather: clear Wind Speed: 9 mph

Note: Please list primary activity by placing a "P" in the box. Use and "S" for secondary activities.

Recreation Site	Number of People	Recreation Activities											Notes		
		Shoreline Fishing	Boat Fishing	Swimming	Hiking/Walking/Jogging	Bicycling	Picnicking	Bird Watching	Wildlife Viewing	Non-Powered Boating	Power Boating	ATV/Snowmobile		Other (specify)	
Town of Trego Park Boat Landing	2														9:29 Am
Town of Trego Boat Landing	1														10:37 Am
Trego North Tailwater Access (Canoe Portage)	0														7:00 Am
Trego South Tailwater Access	0														8:07 Am

Additional Comments:

At about 8:20 2 people age 40-50 and 50 plus showed up at the north Tailwater fishing. multiple cars at Trego park boat landing but no one in sight.

Recreation Observation (Spot Count) Form

Date: 10-20-22 Time: 7 AM - 11:33 AM

Trego Project P-2711

Survey Person: Joshua Anbuckle

Note: Please list primary activity by placing a "P" in the box. Use and "S" for secondary activities.

Temperature: 77°

Weather: Sunny

Wind Speed: 9 mph

Recreation Site	Number of People	Recreation Activities											Notes		
		Shoreline Fishing	Boat Fishing	Swimming	Hiking/Walking/Jogging	Bicycling	Picnicking	Bird Watching	Wildlife Viewing	Non-Powered Boating	Power Boating	ATV/Snowmobile		Other (specify)	
Town of Trego Park Boat Landing	0														7 AM
Town of Trego Boat Landing	0														8:16 AM
Trego North Tailwater Access (Canoe Portage)	2	P							S						9:21 AM
Trego South Tailwater Access	0														10:38 AM

Additional Comments:

Recreation Observation (Spot Count) Form

Date: 6-25-22 Time: 11:58 AM - 4:54 PM

Trego Project P-2711

Survey Person: Joshua Arhackle Note: Please list primary activity by placing a "P" in the box. Use and "S" for secondary activities.  
 Temperature: 71° Weather: Cloudy Wind Speed: 6 mph

Recreation Site	Number of People	Recreation Activities											Notes		
		Shoreline Fishing	Boat Fishing	Swimming	Hiking/Walking/Jogging	Bicycling	Picnicking	Bird Watching	Wildlife Viewing	Non-Powered Boating	Power Boating	ATV/Snowmobile		Other (specify)	
Town of Trego Park Boat Landing	0														3:54 PM
Town of Trego Boat Landing	0														11:58 AM
Trego North Tailwater Access (Canoe Portage)	0														1:11 PM
Trego South Tailwater Access	0														2:31 PM

Additional Comments:

Recreation Observation (Spot Count) Form

Date: 7-4-22

Time: 7 AM - 11:30

Trego Project P-2711

Survey Person: Tasha Arbackle

Note: Please list primary activity by placing a "P" in the box. Use and "S" for secondary activities.

Temperature: 58°

Weather: partly cloudy

Wind Speed: 2 mph

Recreation Site	Number of People	Recreation Activities											Notes		
		Shoreline Fishing	Boat Fishing	Swimming	Hiking/Walking/Jogging	Bicycling	Picnicking	Bird Watching	Wildlife Viewing	Non-Powered Boating	Power Boating	ATV/Snowmobile		Other (specify)	
Town of Trego Park Boat Landing	0		1		1	1									9:23 AM
Town of Trego Boat Landing	0														10:34 AM
Trego North Tailwater Access (Canoe Portage)	0														7 AM
Trego South Tailwater Access	1	P													8:15 AM

Additional Comments:

Arrived at South Tail water and a family of 4 is now fish all fishing on the other side

Recreation Observation (Spot Count) Form

Date: 7-5-22 Time: 12:50pm - 5:46pm

Trego Project P-2711

Survey Person: Joshua Arbuckle

Temperature: 63°

Weather: partly cloudy

Wind Speed: 2 mph

Note: Please list primary activity by placing a "P" in the box. Use and "S" for secondary activities.

Recreation Site	Number of People	Recreation Activities											Notes		
		Shoreline Fishing	Boat Fishing	Swimming	Hiking/Walking/Jogging	Bicycling	Picnicking	Bird Watching	Wildlife Viewing	Non-Powered Boating	Power Boating	ATV/Snowmobile		Other (specify)	
Town of Trego Park Boat Landing	0														2:12 pm
Town of Trego Boat Landing	0														3:24 pm
Trego North Tailwater Access (Canoe Portage)	0														4:46 pm
Trego South Tailwater Access	0														12:50 pm

Additional Comments:

Blank area for additional comments.

Recreation Observation (Spot Count) Form

Date: 8/6/2022 Time: 1245

Trego Project P-2711

Survey Person: M. R. L. W.

Temperature: 72°F

Weather: Overcast

Wind Speed: WSW 4 mph

Note: Please list primary activity by placing a "P" in the box. Use and "S" for secondary activities.

Recreation Site	Number of People	Recreation Activities											Notes		
		Shoreline Fishing	Boat Fishing	Swimming	Hiking/Walking/Jogging	Bicycling	Picnicking	Bird Watching	Wildlife Viewing	Non-Powered Boating	Power Boating	ATV/Snowmobile		Other (specify)	
Town of Trego Park Boat Landing	0														1245
Town of Trego Boat Landing	2														1356
Trego North Tailwater Access (Canoe Portage)	0														1504
Trego South Tailwater Access	1														1609

Additional Comments:

While sitting @ South Tailwater, saw people walking to fish at North Tailwater.

Recreation Observation (Spot/Count) Form

Date: 8/13/22

Time: 0714-1158

Trego Project P-2711

Survey Person: K. JACKSON

Note: Please list primary activity by placing a "P" in the box. Use and "S" for secondary activities.

Temperature: ~60°F

Weather: Overcast, Cool

Wind Speed:

Recreation Site	Number of People	Recreation Activities											Notes			
		Shoreline Fishing	Boat Fishing	Swimming	Hiking/Walking/Jogging	Bicycling	Picnicking	Bird Watching	Wildlife Viewing	Non-Powered Boating	Power Boating	ATV/Snowmobile		Other (specify)		
Town of Trego Park Boat Landing	2	2														
Town of Trego Boat Landing	<del>2</del>															
Trego North Tailwater Access (Canoe Portage)	2	2														
Trego South Tailwater Access	<del>2</del>															

Additional Comments:

Overcast, Cool NE 5-10 mph  
25°F

Recreation Observation (Spot Count) Form

Date: 8/19/22 Time: 1400-1840

Trego Project P-2711

Survey Person: K. JACKSON

Note: Please list primary activity by placing a "P" in the box. Use and "S" for secondary activities.

Temperature: Weather: Wind Speed:

Recreation Site	Number of People	Recreation Activities										Notes				
		Shoreline Fishing	Boat Fishing	Swimming	Hiking/Walking/Jogging	Bicycling	Picnicking	Bird Watching	Wildlife Viewing	Non-Powered Boating	Power Boating		ATV/Snowmobile	Other (specify)		
Town of Trego Park Boat Landing	1*															
Town of Trego Boat Landing	9**											1				
Trego North Tailwater Access (Canoe Portage)	1* /															
Trego South Tailwater Access	1 /															

Additional Comments:

- 1412 = 76°F, mostly sunny w/ some clouds, Breezy ESE 6mph, 58% Humidity  
 \* Kid fishing w/out adult - did not interview  
 - 1505 = 78°F Partly sunny, Humidity 56%, Light breeze ESE 5mph  
 - 1639 = 78°F mostly cloudy, Breezy SE 3mph, 58% Humidity  
 - 1740 = 76°F Partly cloudy, Breezy ESE 5mph 61% Humidity

\*\* 4 total pontoons passing by Trego Boat landing (9 total passengers)  
 \* Trego park boat landing = 1 person on a raft floating down river



Recreation Observation (Spot Count) Form

Date: 9/11/22 Time: 6700-1130

Trego Project P-2711

Survey Person: K. Jackson

Note: Please list primary activity by placing a "P" in the box. Use and "S" for secondary activities.

Recreation Site	Number of People	Recreation Activities											Notes			
		Shoreline Fishing	Boat Fishing	Swimming	Hiking/Walking/Jogging	Bicycling	Picnicking	Bird Watching	Wildlife Viewing	Non-Powered Boating	Power Boating	ATV/Snowmobile		Other (specify)		
Town of Trego Park Boat Landing	1											P				
Town of Trego Boat Landing	0															
Trego North Tailwater Access (Canoe Portage)	2	P														
Trego South Tailwater Access	1	P														

Additional Comments:

\* 0720 = 42°F, calm, 95% Humidity, Fog  
 \* 0836 = 45°F, sunny/foggy, calm, 97% Humidity  
 \* 0931 = 50°F, sunny/hazy w/ clearing fog, 93% Humidity, calm  
 \* 1030 = 55°F, sunny/hazy, NW 1mph 86% Humidity

## **Appendix 7**

### **Completed Future Potential Use Recreation Questionnaire**

**Hayward and Trego Hydroelectric Projects – FERC Project Nos. 2417 and 2711**

**Namekagon River – Sawyer and Washburn County, Wisconsin**

**Future and Potential Recreation Questionnaire**

**Response: National Park Service, St. Croix National Scenic Riverway**

**Date: August 18, 2022**

2. Is your organization responsible for or interested in recreation sites, amenities, formal access sites, or planning for recreation sites within the project vicinity as described above?

Yes

2a. Please describe your primary function pertaining to recreation and list any recreation sites or access sites (formal or informal) in the project vicinity you are responsible for or have interest in the space provided below:

- The Namekagon River is protected as a unit of the wild and scenic rivers system and the national park system. It is managed by St. Croix National Scenic Riverway for the preservation and protection of the aquatic, cultural, recreational, scenic-aesthetic, water quality, and free-flowing condition values. While the NPS does not own each river landing in the project vicinities or on the Namekagon River, we have an interest in providing safe, high-quality recreational opportunities to the public as part of the NPS experience.
- The location labeled “NPS Namekagon River Access N” (NPS lands) and the location labeled “NPS Namekagon River Access S” (DOT lands) on the provided map are no longer public river access locations. Both were removed due to the Trego Interchange project and the removal of the Lakeside Road Bridge. The removal of these two access points has impacted the number and location of recreational access points within the project vicinity and on the Namekagon River.
- The NPS owns and manages County K landing downstream of the Trego Dam.
- The NPS Namekagon River Visitor Center is in Trego, WI, adjacent to the Namekagon River. Access to the Namekagon River from the visitor center was effectively eliminated with the removal of location labeled “NPS Namekagon River Access S” (DOT lands). The NPS has interest in pursuing a river access point to the east of the Namekagon River Visitor Center, near the Highway 63 Bridge east of the visitor center.
- Earl Landing is outside of the identified project area; however, it provides public access to the Namekagon River above Trego Dam. With the removal of the locations labeled “NPS Namekagon River Access N” (NPS lands) and the location labeled “NPS Namekagon River Access S” (DOT lands), this remains one of the few public access points in this area.

2b. Please list all recreation amenities available at each recreation site or access site you manage or have an interest in (e.g. docks, restrooms, parking areas, interpretive signage, picnic tables, trails, etc.) below.

- The location labeled “NPS Namekagon River Access N” (NPS lands) and the location labeled “NPS Namekagon River Access S” (DOT lands) on the provided map are no longer a public river access locations. Both were removed due to the Trego Interchange project and the removal of the

Lakeside Road Bridge. No facilities remain; however, both included river access via steps and a gravel parking area with limited signage.

- County K Landing – gravel river access, picnic table, interpretive and informational signage, paved parking lot, vault toilet
- Earl Landing – gravel parking area, concrete boat ramp, vault toilet, primitive camping, potable water, picnic tables

2c. Please provide the location of each site listed above using the enclosed map, street address, or GPS location.

2d. Have any of the sites or amenities listed in 2a or 2b exceeded capacity or not had sufficient parking?

Yes

- The location labeled “NPS Namekagon River Access N” (NPS lands) and the location labeled “NPS Namekagon River Access S” (DOT lands) on the provided map are no longer a public river access locations. Both were removed due to the Trego Interchange project and the removal of the Lakeside Road Bridge. No facilities remain.
- Earl Landing exceeds parking capacity often throughout the year.

2e. Do you have any planned improvements for the recreation sites listed in 2a and amenities listed in 2b or any plans for new recreation sites?

Yes

- The Namekagon River Visitor Center is in Trego, WI, adjacent to the Namekagon River. Access to the Namekagon River from the Visitor Center was effectively eliminated with the removal of location labeled “NPS Namekagon River Access S” (DOT lands). The NPS has interest in pursuing a river access point to the east of the Namekagon River Visitor Center, near the Highway 63 Bridge east of the Visitor Center.
- Earl Landing design process to begin in FY24.
- Public sentiment implies that additional river access points are necessary in this area.

2f. Do you believe additional recreation sites/amenities are needed, or any enhancements are needed at existing recreation sites, within the project vicinity?

- The locations labeled “NPS Namekagon River Access N” (NPS lands) and “NPS Namekagon River Access S” (DOT lands) have both been removed and have left a gap in publicly available river access points at this section of the Namekagon River.
- The NPS has interest in pursuing a river access point to the east of the Namekagon River Visitor Center, near the Highway 63 Bridge east of the Visitor Center.
- Earl Landing design process to begin in FY24.

[Xcel survey transferred to this format for ease of communication. Survey questions in blue, TLD comments in black. August 2022]

At the August 13, 2022 Trego Lake District Board meeting there was a motion, second and unanimous vote to adopt the questionnaire responses below and submit to Xcel Energy.

## **Hayward and Trego Hydroelectric Projects – FERC Project Nos. 2417 & 2711 Namekagon River – Sawyer and Washburn County, Wisconsin Future and Potential Recreation Questionnaire**

*1. Information about person completing the questionnaire*

*Name and Title* – Trego Lake District Board of Directors

*Organization* – Trego Lake District

*Address:* P.O. Box 184, Trego, WI 54888

*Phone:* 612-803-8765, Board Chair Charlie Petersen

*Email address:* TLD@trego.net

*2. Is your organization responsible for or interested in recreation sites, amenities, formal access sites, or planning for recreation sites within the Project vicinity as defined above?*

Yes

- a. *Please describe your primary function pertaining to recreation and list any recreation sites or access sites (formal or informal) in the Project vicinity you are responsible for or have interest in the space provided below:*

The Trego Lake District (TLD) is a Wisconsin specialized unit of government created to manage Trego Lake with a legal responsibility to support and encourage the preservation of the natural beauty, peacefulness, safety, and recreational value of the shoreline and waters of Trego Lake, and to coordinate with the various public and private organizations in these efforts. TLD consists of the water and shoreline between the Trego dam and Highway 53 bridge. It is guided and operated by those living in or owning district property.

Key TLD activities include: measuring water quality, working with the Wisconsin Department of Natural Resources (WDNR) to protect the fishery, maintaining navigation channels by spot-dredging specific areas of the lake to reduce sedimentation buildup, marking navigation channels with buoys, and developing and execute a plan to control the spread of aquatic invasive species(AIS) in the lake.

Recreational activities on Trego Lake, including boating, swimming, and fishing, are all impacted by sedimentation buildup and AIS. Besides those coming to Trego Lake through public access points, it has approximately 275 riparian landowners who all have access to the lake from their property. Of these landowners, 45% have direct recreation issues created by sedimentation buildup and/or the extensive growth of aquatic invasive plant species (AIS) and other aquatic plants.

In conjunction with the Town of Trego, TLD operates and maintains the Trego Landing.

Additionally, a private resort and campground is situated on Trego Lake – Bay Park Resort and Campground, N 8347 Bay Park Rd., Trego, WI 54888; email – baypark@bayparkresort.com

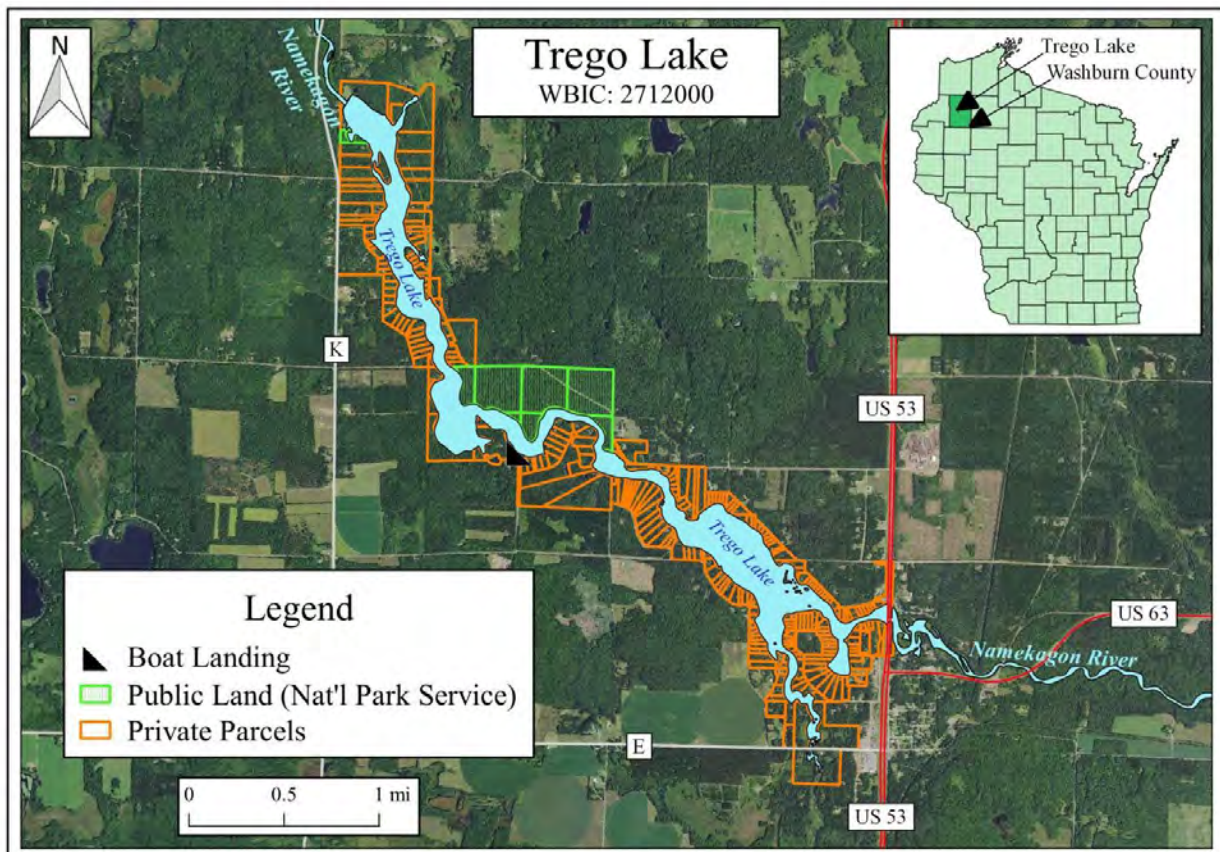
- b. Please list all recreation amenities at each recreation site or access site you manage or have an interest in (docks, restrooms, parking areas, interpretive signage, picnic tabled, trails, etc.)*

Trego Lake provides the public with an array of recreation options if they can access them – docks, power boats, canoes and kayaks, swimming, fishing, and other opportunities. TLD has worked hard over the past 30+ years to try and give each recreator full access to the lake.

At the Trego Landing, a dock, cement boat landing, parking area, and informational signage are managed between the Town of Trego and TLD.

Bay Park Resort and Campground offers the following amenities: public boat/pontoon rental on the lake; 5 lakefront cabins, 92 Seasonal Campsites, 1 overnight campsite, Swimming Pool, Beach, Lodge/Store, Ice, Bait, Tackle, Fishing/hunting licenses, Bathroom/Shower house and canoe/Kayak rental on Trego Lake.

- c. Please provide the location of each site listed above using an enclosed map, street address, or GPS location:*



Information on TLD individual riparian landowners (private parcels) can be found at: <https://washburncowi.wgxtreme.com>

Appendix A<sup>1</sup> (attached) shows the Areas on Trego Lake significantly impacted by AIS and sedimentation.

*d. Have any of the sites or amenities listed in 2a and 2b exceed capacity or not had sufficient parking?*

No

*e. Do you have any planned improvements for the recreation sites listed in 2a and amenities listed in 2b or any plans for development or new recreation sites?*

Yes

**AIS and other aquatic plants** – since the mid-90s, under FERC order, Northern States Power (NSP), now a subsidiary of Xcel Energy (Xcel), has provided funds for a once-a-year harvest of aquatic plants in the large basin of Trego Lake to open navigation channels and pay for buoys to mark those channels. The initial agreement had been for two harvests per year, but after the first year, NSP would only pay for a single harvest. As part of the 90s agreement, TLD has obtained the appropriate Wisconsin Department of Natural Resources (WDNR) permits, contacted and worked with a harvesting company to do the work, and made sure the channels are correctly marked, and managed the harvesting. TLD plans to continue this effort.

Additionally, in 2023, TLD plans to expand the harvesting to include AIS growth in the large basin, the mouth of Potato Creek, and additional areas in Trego Lake where AIS are present. Appendix A (see attached) is from our Aquatic Plant Management Plan and identifies the areas of significant harvest anticipated in 2023. This additional harvesting is funded through an additional tax on the TLD members.

The growth of AIS is not limited to one area of the lake. Studies show AIS affects the entire lake. AIS is growing in areas west of the map in Appendix A. Some of this area have the potential to be harvested in 2023 with a concern that more areas, based on AIS growth, may need to be added in future years. (See Appendix B<sup>2</sup> attached) On the southeast end of the lake, boaters cannot access their docks because of plant growth and/or sedimentation. Aquatic plant growth is increasing and needs to be dealt with it as a whole process, not just a spot plan.

Each year, riparian landowners spend countless hours pulling aquatic plants (many are AIS) from around their dock and allowed shoreline areas.

**Sedimentation** – TLD has a long history of addressing the sedimentation in Trego Lake. It was sedimentation that led to the aquatic plant harvesting noted above. A chronology of activities by TLD on sedimentation and aquatic plants can be found at: <https://drive.google.com/file/d/1i-E9Gj-Q5bteZPh1WpFcpAjuBiF2Jupt/view>

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<sup>1</sup> Trego Lake – Washburn County 2022-26 AQUATIC PLANT MANAGEMENT PLAN; WDNR WBIC: 2712000; Prepared by: Dave Blumer, Lake Educator/Manager & Megan Mader, Aquatic Biologist/Lake Management Assistant; LAKE EDUCATION AND PLANNING SERVICES(LEAPS), LLC PO BOX 26 CAMERON, WISCONSIN 54822

<sup>2</sup> Ibid

In 2020, TLD purchased a mini suction dredge to “spot-dredge” specific WDNR permitted areas in Trego Lake to allow for recreational boat travel. In both 2021 and 2022, TLD dredged areas in the lake to allow boaters to access the full recreational value of Trego Lake. It is anticipated this will be an ongoing activity. The major areas for current and future dredging are identified in Appendix A attached – the dotted lined white circles.

*f. Do you believe additional recreation sites/amenities are needed, or any enhancements are needed at existing recreation sites, within the Project vicinity?*

Yes

In a late 1980s WDNR study, it was determined that approximately 2000 cubic yards of sediment collect in Trego Lake annually. Most of it settles on the east end of the lake between the Highway 53 bridge and Potato Creek. In the last 15 years, three high water events (at least) have moved significant sediment further into the lake in the large basin area. As the sediment increases, it shallows the lake allowing more sunlight to penetrate to the bottom of the lake, thereby creating the environment for aquatic plants to grow. For TLD, the issues of aquatic plant growth, aquatic invasive species, and sedimentation are tightly interrelated.

Efforts must be made to address the sedimentation and AIS issues – coordinated efforts between the parties involved. The actions in the past have been minimal band-aids addressing the symptoms, not the real issue of sedimentation coming into the lake. A study needs to be done to identify where the cause of sediment is originating. Then efforts must be taken to reduce the sediment coming from these sources into Trego Lake. Additionally, sediment already in the lake needs to be removed so people using the lake for recreational purposes can do so to its full potential.

Likewise, the growth of aquatic plants, especially AIS, must be managed. The relation between Xcel and TLD to harvest navigation channels needs to be maintained and expanded. The 2022 to 2026 Aquatic Plant Management Plan developed by TLD is the start to address the spread of AIS on Trego Lake, but “point-intercept-surveys need to be done on a regular basis to keep up with where AIS is growing, and steps then need to be taken to address these growth areas.

*g. Please indicate if there is a specific representative you wish to designate as a follow-up contact to be used by Xcel Energy or their representative.*

***Representative contact information:***

Name: Charlie Petersen, TLD Board Chair  
Address: 5504 12<sup>th</sup> Ave South, Minneapolis, MN 55417  
Phone: 612-803-8765  
Email: [cjpetersen@msn.com](mailto:cjpetersen@msn.com)

***Additional Information or Comments:***

More information on TLD , its history, and Trego Lake, in general, can be found at our website: <https://tregolakedistrict.com>



As noted earlier, TLD membership consists of the riparian landowners and residents on Trego Lake. Of those who enjoy recreating on the lake, more than 75% are TLD members. It is important to get all perspectives of those using the lake and applaud this effort, but this survey is designed for respondents who come to Trego Lake, not those who live on and have direct access to the lake.

We have tried to honor the survey process and format but have also tried to tell our story. TLD has been working for 37 years to make Trego Lake an enjoyable recreational experience for the people who use the lake. Sedimentation and invasive aquatic species are the major challenges to that experience. They must be addressed during the dam relicensing process, and remediation efforts should be outlined and funded.

With the current reconstruction of the Highway 53 and 63 interchange, canoers, kayakers, and some tube floaters have lost a valuable public landing site on the Namekagon River across Highway 63 at the National Park Service building in Trego. Outfitters have landing sites further down the river, but scout troops, other youth and adult groups, and other parties not using the outfitters have no suitable landing site in the area. Trego Town Park has a site, but it has filled in with sediment, and aquatic plants (including some AIS) have grown up and choked off the area. There is not another landing site (other than private property) for the recreators to land (or put-in) until the Trego dam landing at the west end of Trego Lake. The removed landing site and the Trego Town Park landing site are in the current project boundary but have been excluded from the new Trego Project boundary proposed by Xcel. Having a suitable take-out/put-in location on the Namekagon River east of the Highway 53 bridge is needed.

## APPENDIX A – Areas on Trego Lake Significantly Impacted by AIS and Sedimentation

2022-26 Trego Lake – East Basin and Potato Creek Inlet Plant Management Plan (LEAPS, 2021)

Purple Stars – 2021 Location of channel marker buoys

Orange Crosses and Yellow Squares – 2011 and 2021 summer PI points with wild rice

Light Green Polygons – 2021 Wild rice bedmapping (east basin only) (≈47.0 acres)

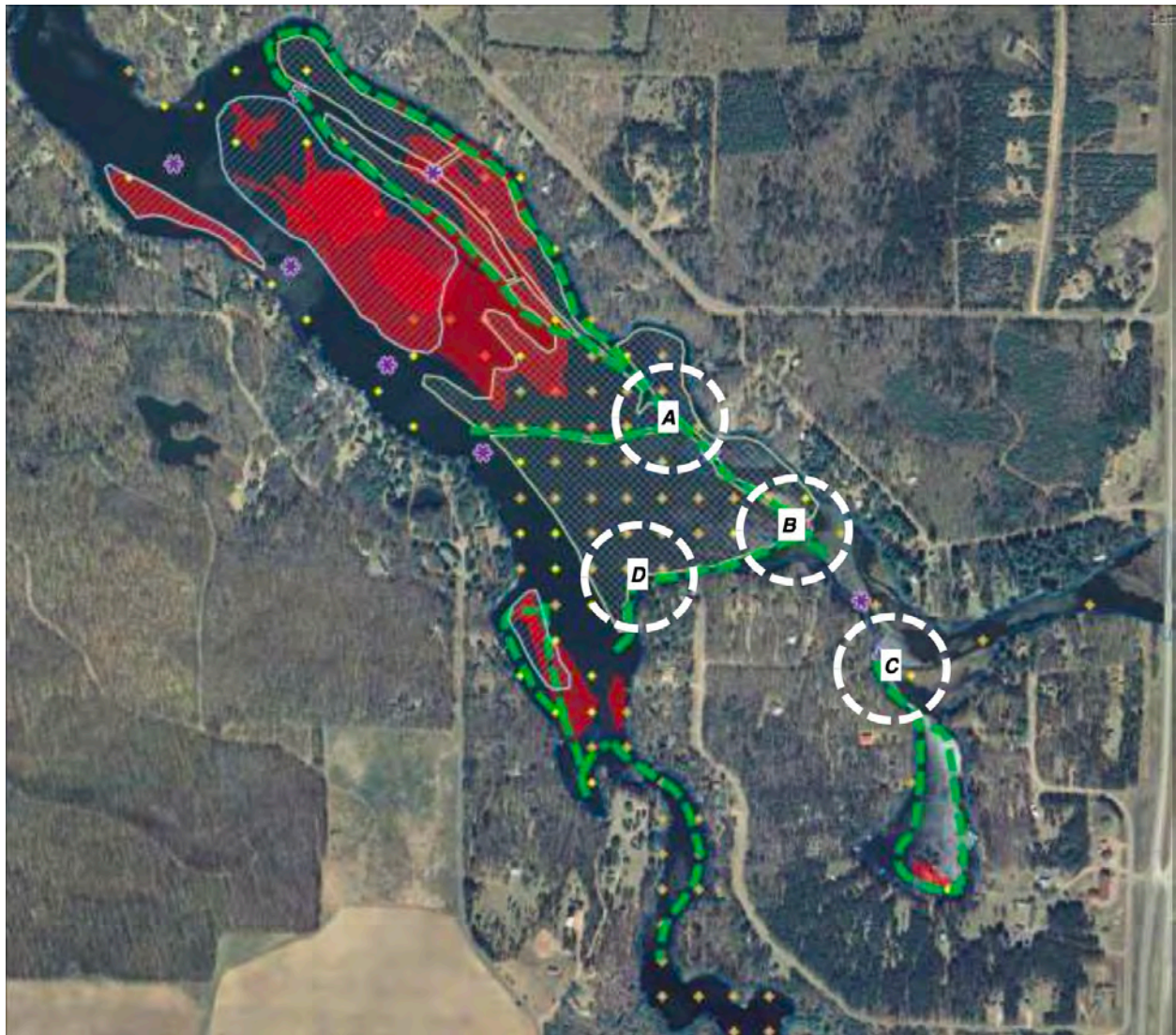
Dark Red Polygons – 2020 CLP beds (≈32.0 acres)

Bright Red Polygons – 2020 EWM beds (≈6.0 acres)

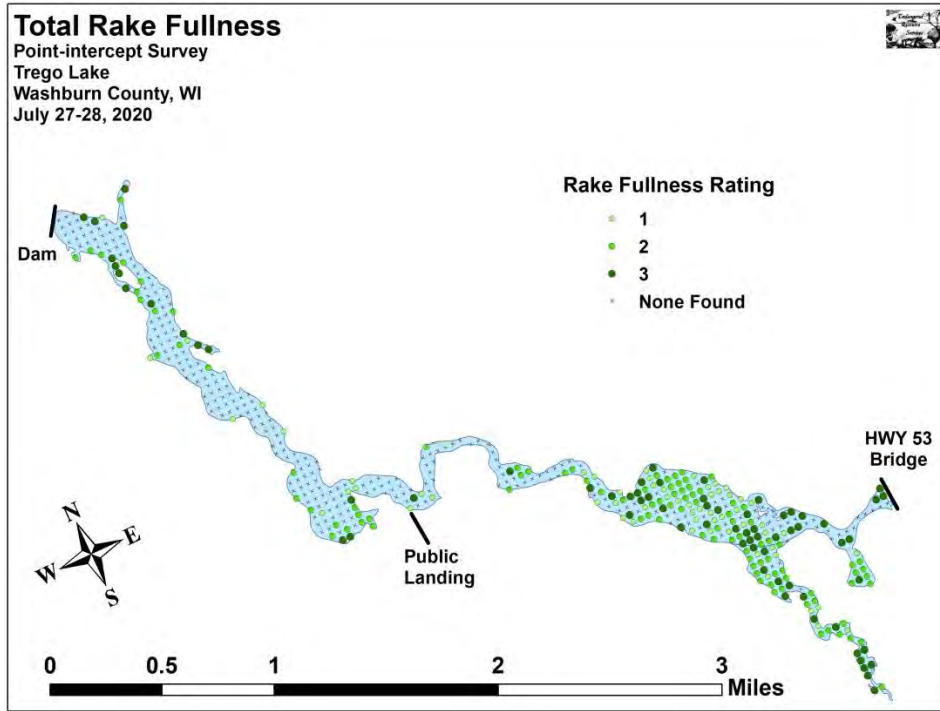
Dashed Green Line – Approximately 3.3 miles of 30-ft wide navigation and access lanes (≈12.0 acres)

Light Blue Polygons – Proposed harvesting areas (≈23.0 acres)

Dashed White Circles – Possible sediment dredging areas



## Appendix B – Aquatic plant growth density on Trego Lake

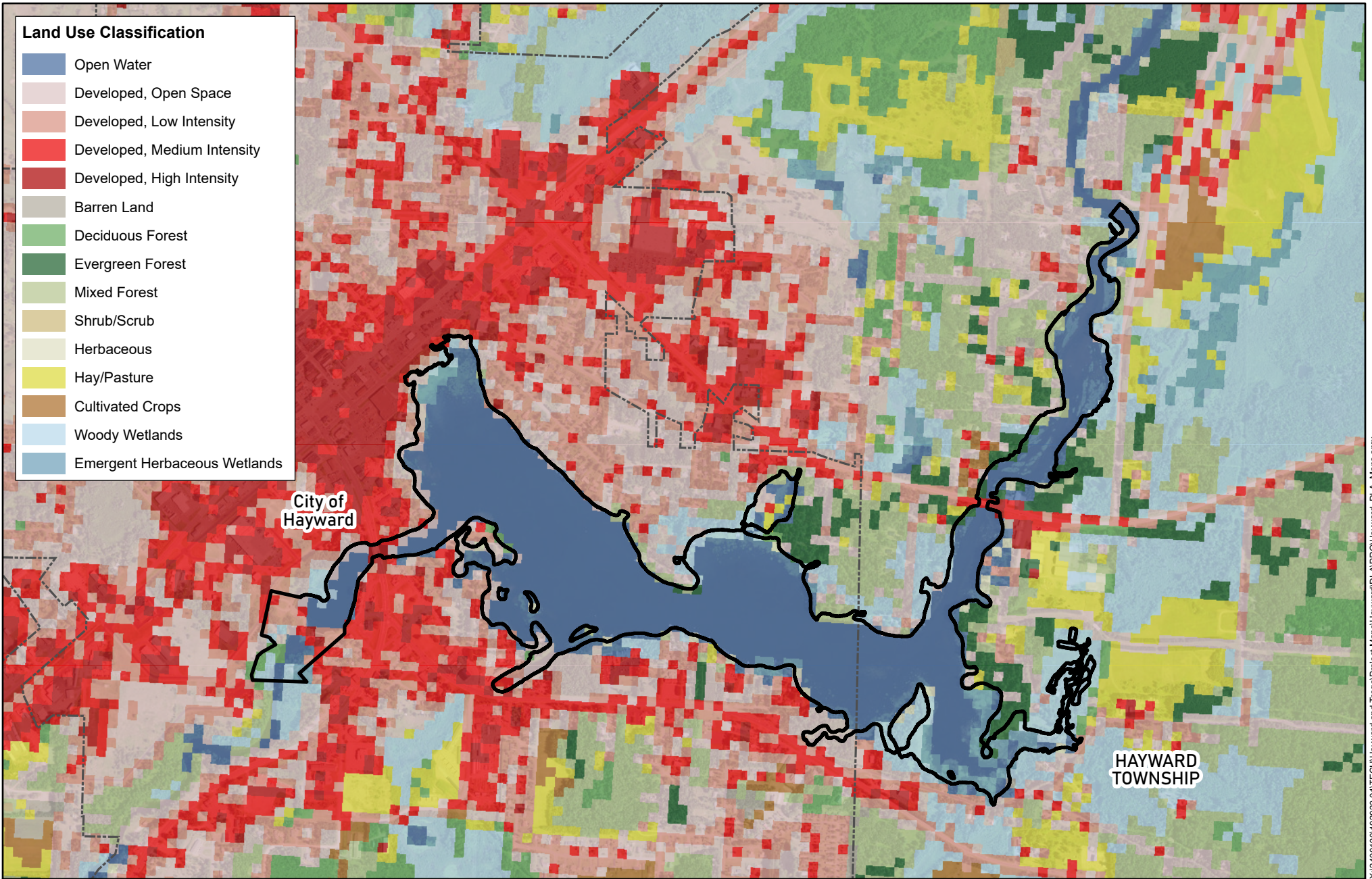


AIS has been reported in more aquatic plant growth areas just east of “the narrows,” in the large bay west of the public landing, and shallower areas closer to the dam.

**APPENDIX E-30      Land Use in the Hayward Project Vicinity**

**Land Use Classification**

- Open Water
- Developed, Open Space
- Developed, Low Intensity
- Developed, Medium Intensity
- Developed, High Intensity
- Barren Land
- Deciduous Forest
- Evergreen Forest
- Mixed Forest
- Shrub/Scrub
- Herbaceous
- Hay/Pasture
- Cultivated Crops
- Woody Wetlands
- Emergent Herbaceous Wetlands



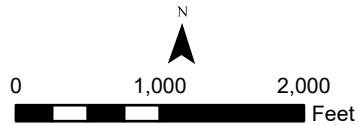
City of Hayward

HAYWARD TOWNSHIP



- Proposed Project Boundary
- Municipal Boundary

Note: the impounded Proposed Project Boundary is established at elevation 1,187.5 feet NGVD 1929.



Hayward Hydroelectric Project  
Major Land Use in Vicinity of Project

FERC No. 2417