

**Table S2.** Summary of Namakan Reservoir study site characteristics. Study sites each demonstrated 3 consecutive years (2012–2014) of walleye spawning as determined by the presence of walleye eggs. Sites were located on the 3 large lake bodies of the Namakan Reservoir: Lake Kabetogama (KAB), Namakan Lake (NAM), and Sand Point Lake (SP). Thirty sites were located in the U.S. (US) and 14 were located in Canada (CAN). Morphological site characteristics were estimated using the DEM, rather than actual on site measurement. Site coordinates are in UTM Zone 15N projection.

site ID	lake name	country	area of surveyed substrate (m <sup>2</sup> )	shoreline length (m)	mean slope (°)	mean elevation (m)	mean aspect (°)	northing (m)	easting (m)
0	KAB	US	658	35	1.9	339.7	241	5368411	501939
4	KAB	US	1213	60	1.7	339.8	228	5368102	499808
5	KAB	US	731	65	2.5	339.9	178	5368079	500438
7	KAB	US	1190	75	3.1	339.8	218	5370393	500452
9	KAB	US	1140	80	2.6	340.0	207	5371492	499377
10	KAB	US	870	55	2.6	339.8	103	5372838	495454
12	KAB	US	1176	60	1.9	339.8	230	5372657	494864
14	KAB	US	1050	40	1.7	339.7	219	5371408	495985
16	KAB	US	810	60	2.4	340.0	237	5372398	496535
17	KAB	US	1512	75	1.4	339.9	314	5371634	496689
18	KAB	US	563	40	2.5	340.0	57	5365029	504991
21	KAB	US	1338	70	1.1	340.2	51	5365252	503839
23	KAB	US	632	60	3.7	340.1	176	5367255	504848
24	KAB	US	1503	100	1.7	340.1	199	5367529	505205
25	KAB	US	932	90	2.9	340.3	260	5365436	508242
26	KAB	US	1037	100	3.4	340.4	254	5365531	508579

**Table S2 Cont.**

78	KAB	US	530	40	2.5	340.1	204	5372733	494030
27	NAM	US	469	40	3.6	339.8	157	5366112	515268
29	NAM	US	631	70	3.2	340.1	147	5365981	517651
30	NAM	US	511	40	4.5	340.0	234	5364528	520317
32	NAM	US	730	45	3.5	339.7	110	5364315	520724
34	NAM	US	441	40	2.2	338.9	215	5366929	518647
35	NAM	US	1166	60	2.4	339.7	254	5364283	522951
40	NAM	US	1002	70	3.1	339.8	164	5365846	516475
41	NAM	US	815	60	4.8	339.7	171	5364589	524682
44	NAM	US	474	40	1.1	339.1	111	5365404	534707
46	NAM	CAN	560	40	0.8	339.6	183	5366601	536383
48	NAM	CAN	1013	60	2.6	339.9	52	5365527	538121
49	NAM	CAN	503	45	0.6	339.4	169	5367984	538200
52	NAM	CAN	1402	60	2.1	340.1	153	5367930	535604
53	NAM	CAN	553	30	1.7	340.0	134	5367964	534518
54	NAM	CAN	578	30	1.6	340.2	233	5368020	534263
57	NAM	CAN	950	50	2.0	340.1	194	5368204	533444
59	NAM	CAN	649	30	1.1	339.5	220	5368645	532971
60	NAM	CAN	715	50	2.7	339.9	220	5368227	531672
62	NAM	CAN	445	25	1.6	340.1	189	5367656	531087
64	SP	US	1183	75	2.8	339.9	181	5361690	539559
65	SP	US	537	40	2.9	339.7	93	5358474	538548
67	SP	US	667	55	3.2	339.4	59	5356481	538165
68	SP	US	726	25	1.3	339.4	160	5354191	539112
71	SP	CAN	460	35	3.6	340.4	242	5355394	539482
72	SP	CAN	551	40	4.1	340.1	258	5356037	539369
76	SP	CAN	761	60	3.3	339.5	106	5359532	540062
77	SP	CAN	1124	60	2.8	339.5	233	5360759	540953

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