

Figure 10. Map of gillnetting sites fished for lake sturgeon immediately downstream of Gull Rapids between 23 May and 8 July, 2001.

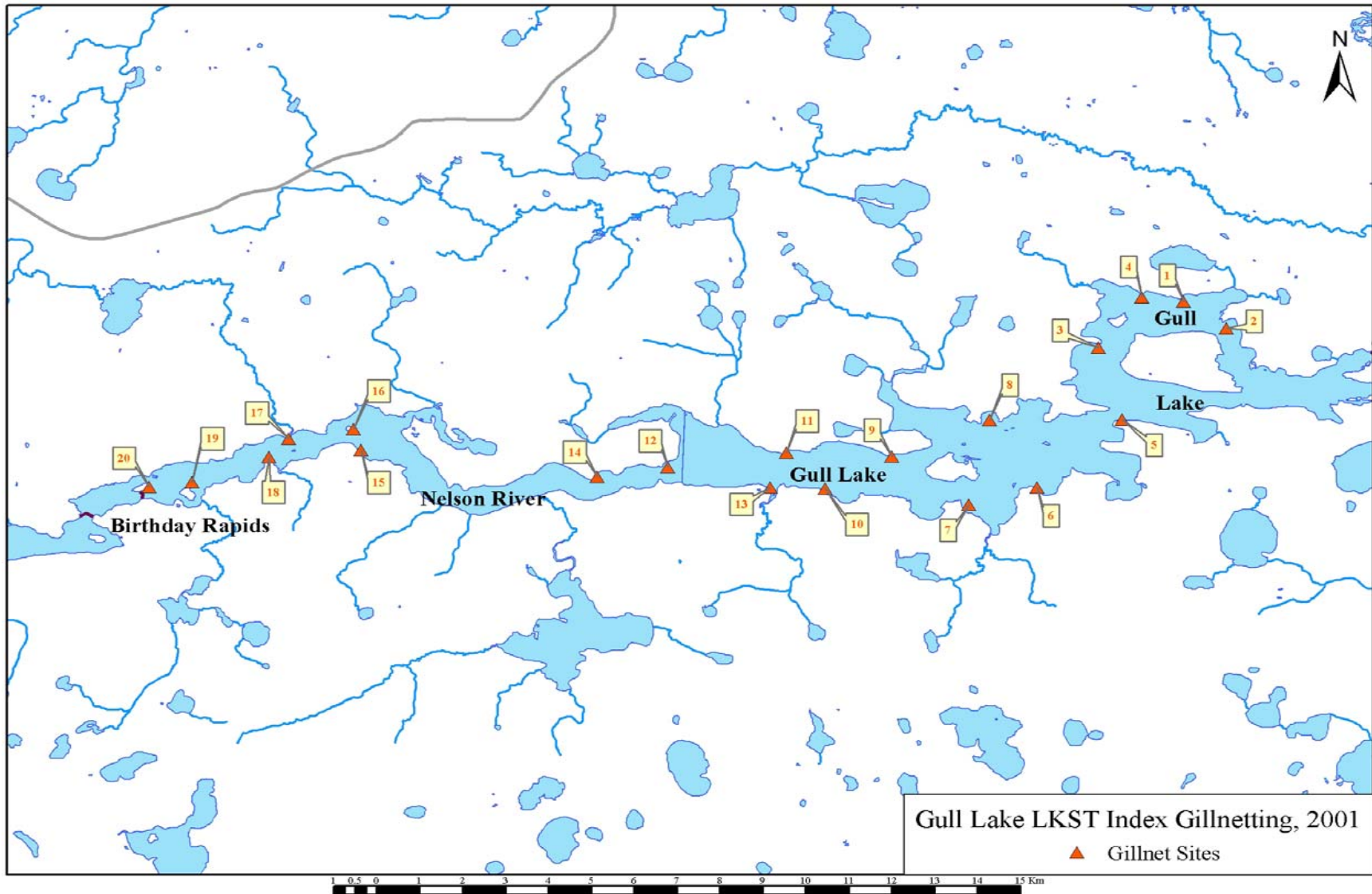


Figure 11. Map of 20 index gillnetting sites fished for lake sturgeon in the Nelson River between Birthday Rapids and Gull Rapids from 16 June to 8 July, 2001.



Figure 12. Photograph of larval drift nets used during lake sturgeon investigations in the Gull (Keeyask) Study Area, 2001.

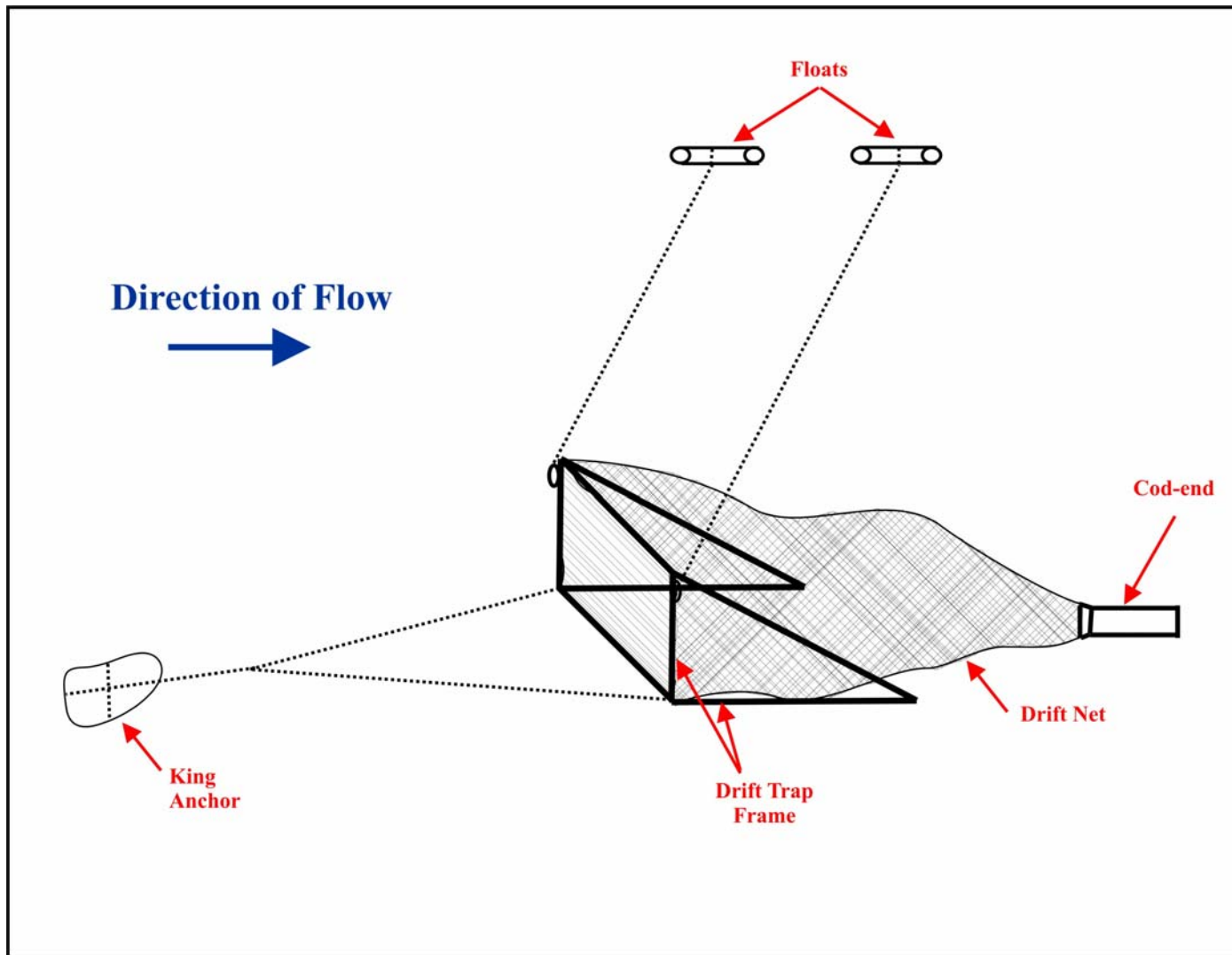


Figure 13. Diagram of larval drift net assembly used during lake sturgeon investigations in the Gull (Keeyask) Study Area, 2001.

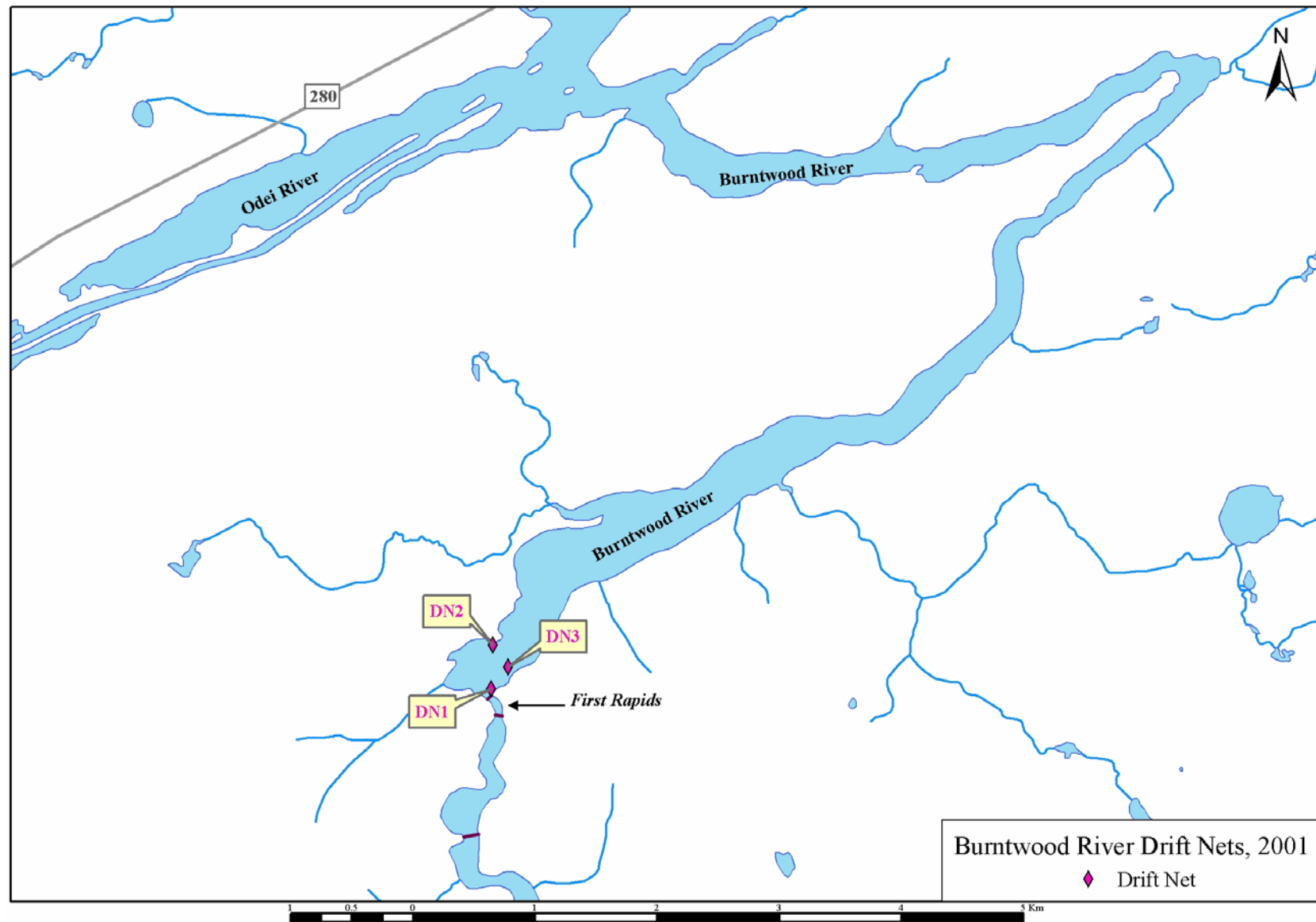


Figure 14. Map of drift net sites sampled in the Burntwood River downstream of First Rapids between 17 June and 8 July, 2001.

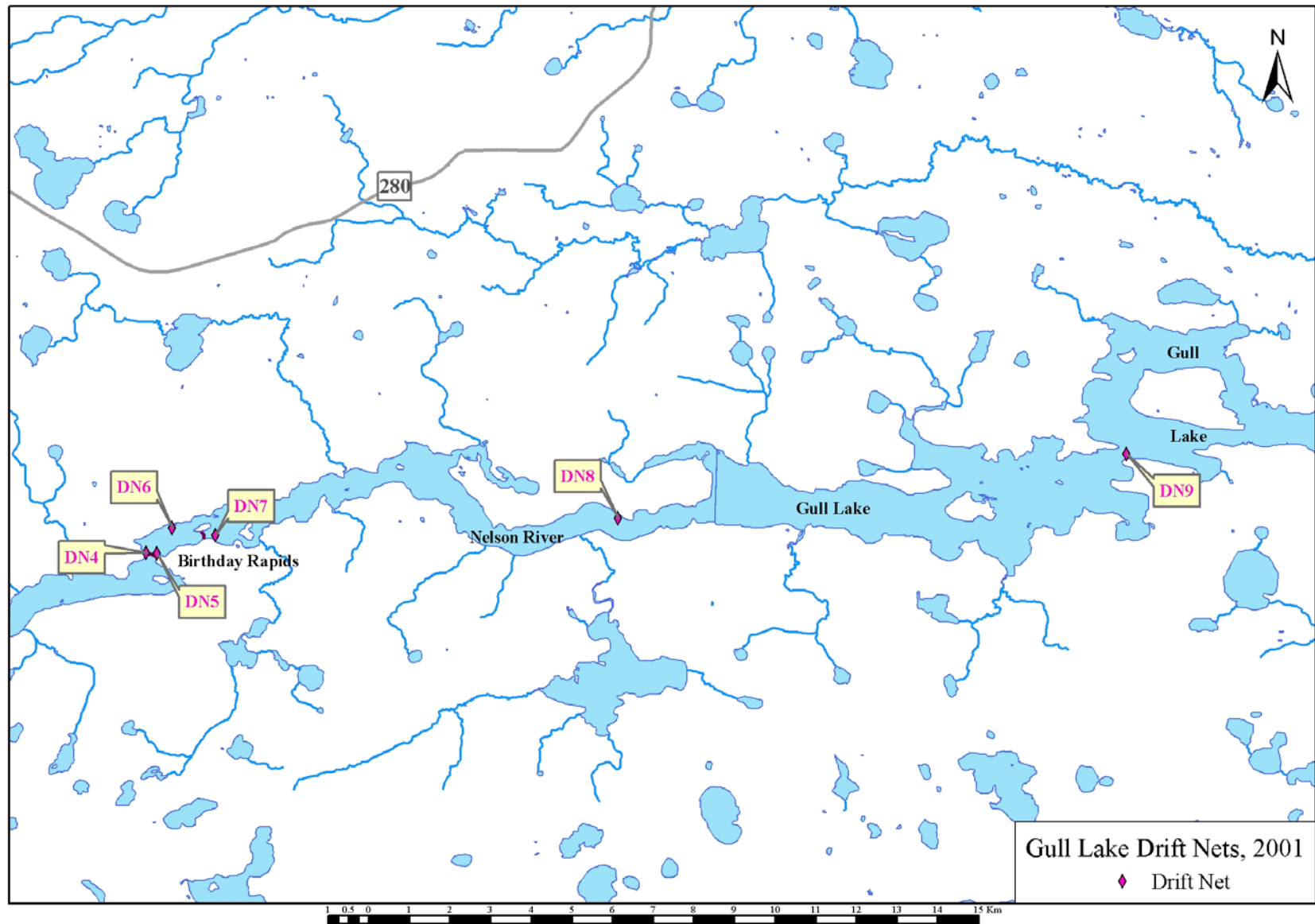


Figure 15. Map of drift net sites sampled in the Nelson River between Birthday Rapids and Gull Rapids from 17 June to 8 July, 2001.

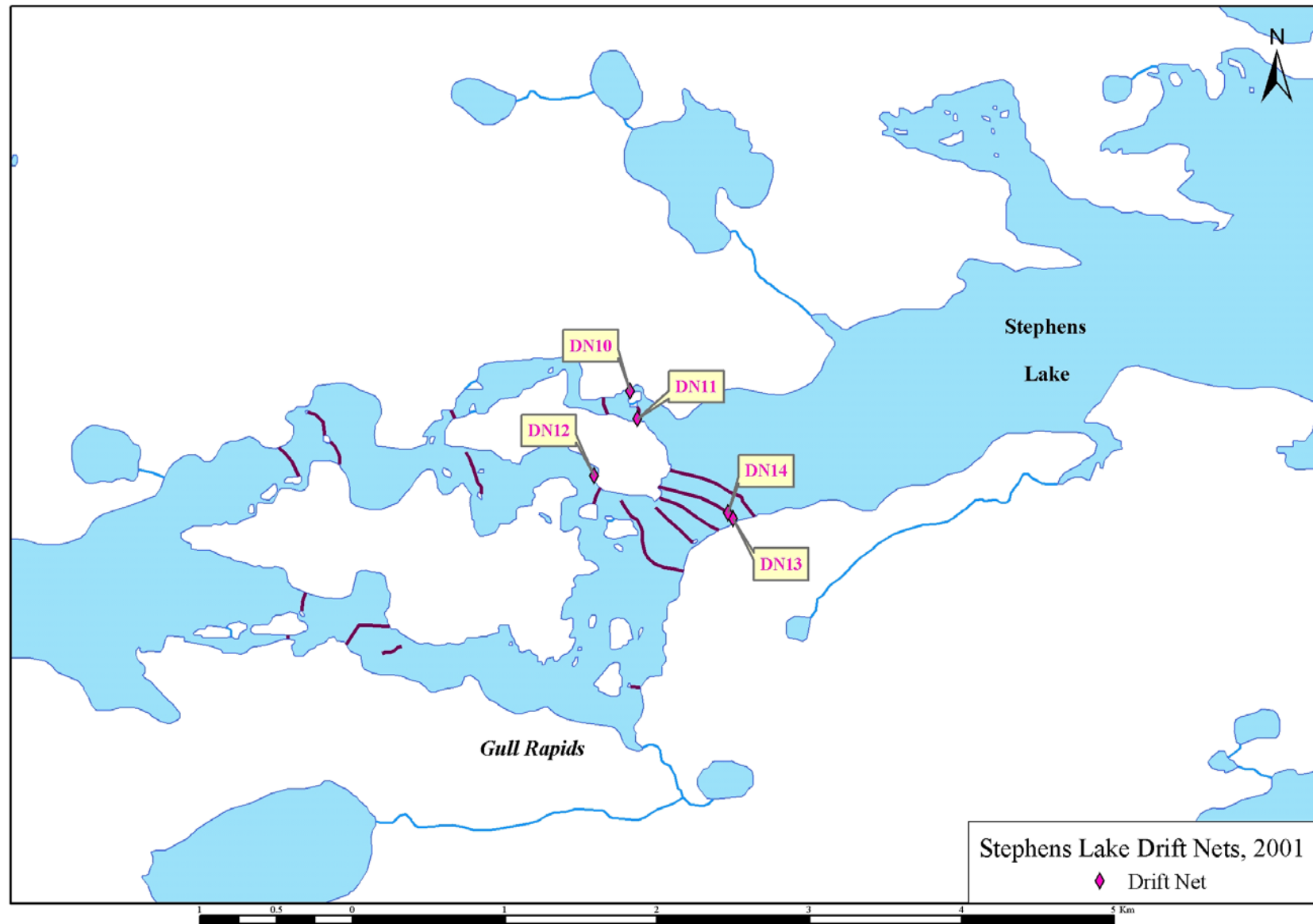


Figure 16. Map of drift net sites sampled in, and at the base of, Gull Rapids between 17 June and 8 July, 2001.

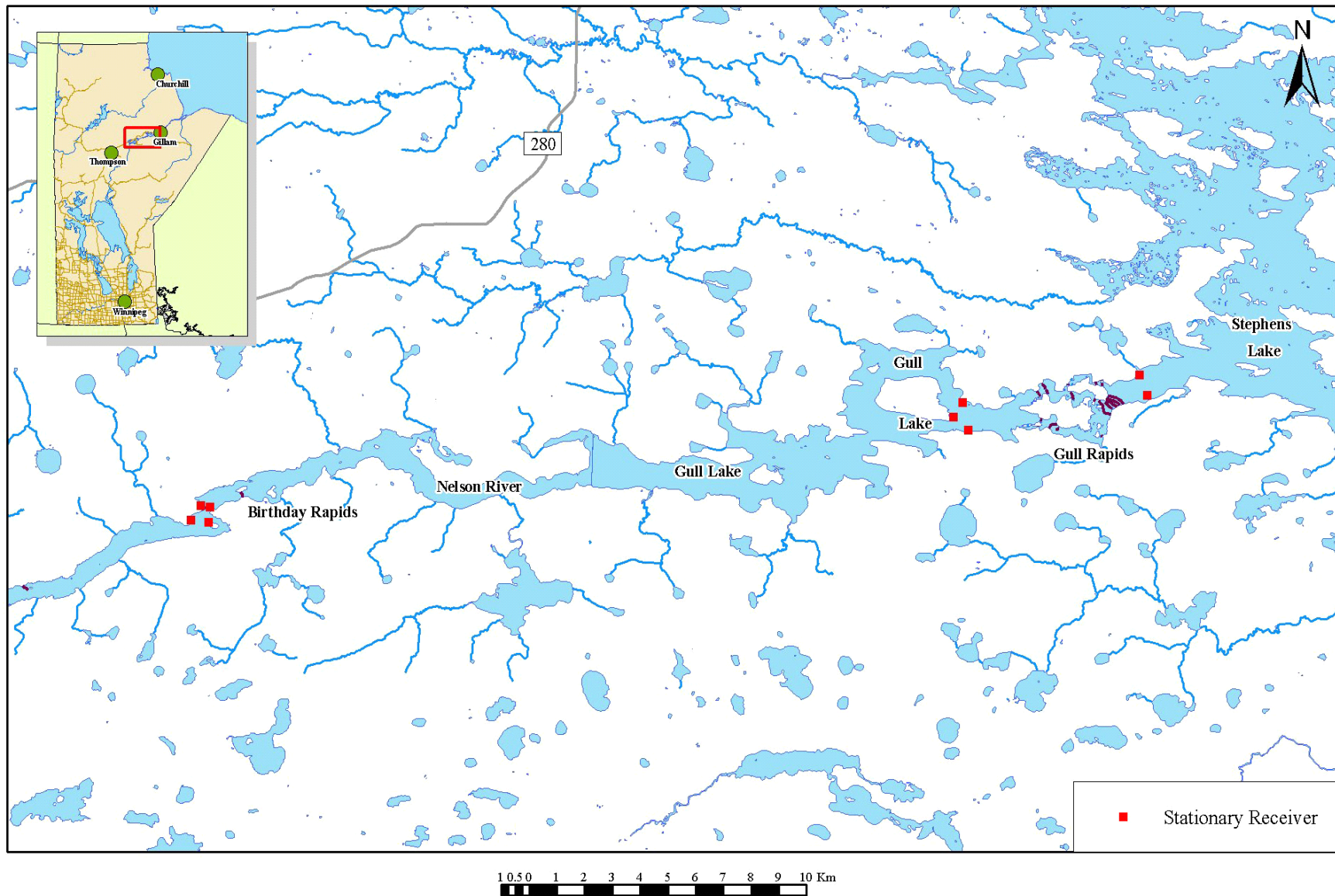


Figure 17. Location of stationary receivers in the Gull (Keeyask) Study Area, 2001.

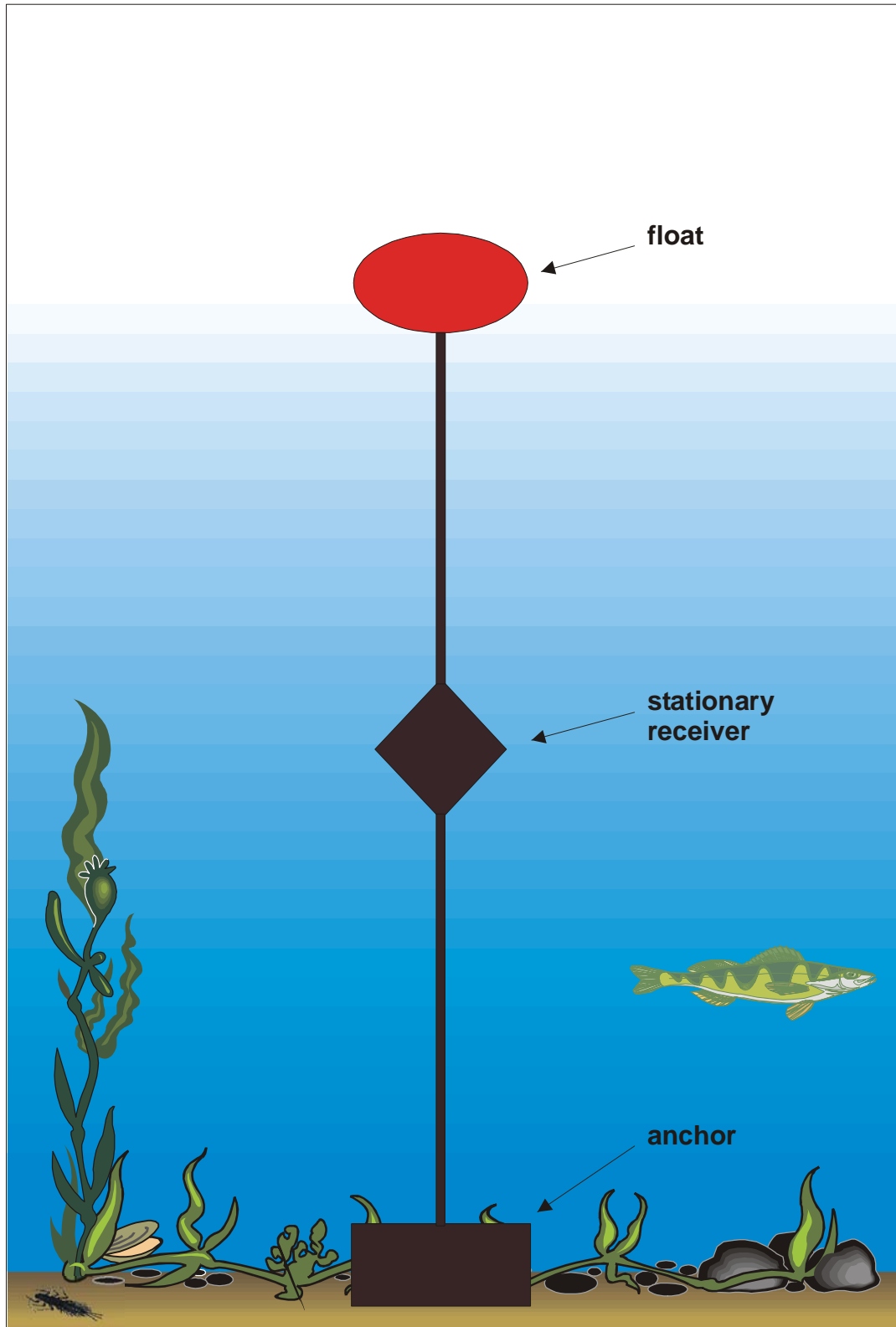


Figure 18. Diagram of a stationary acoustic receiver used during telemetry studies in the Gull (Keeyask) Study Area, 2001.

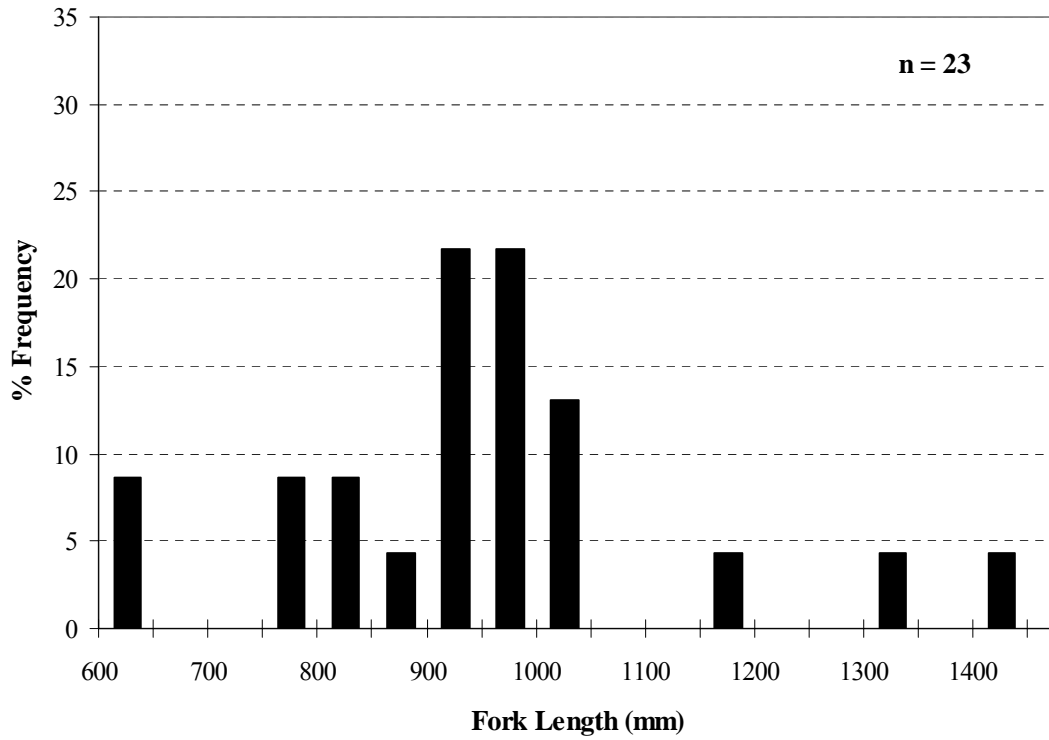


Figure 19. Length-frequency distribution for lake sturgeon captured in the Burntwood River during spring 2001.

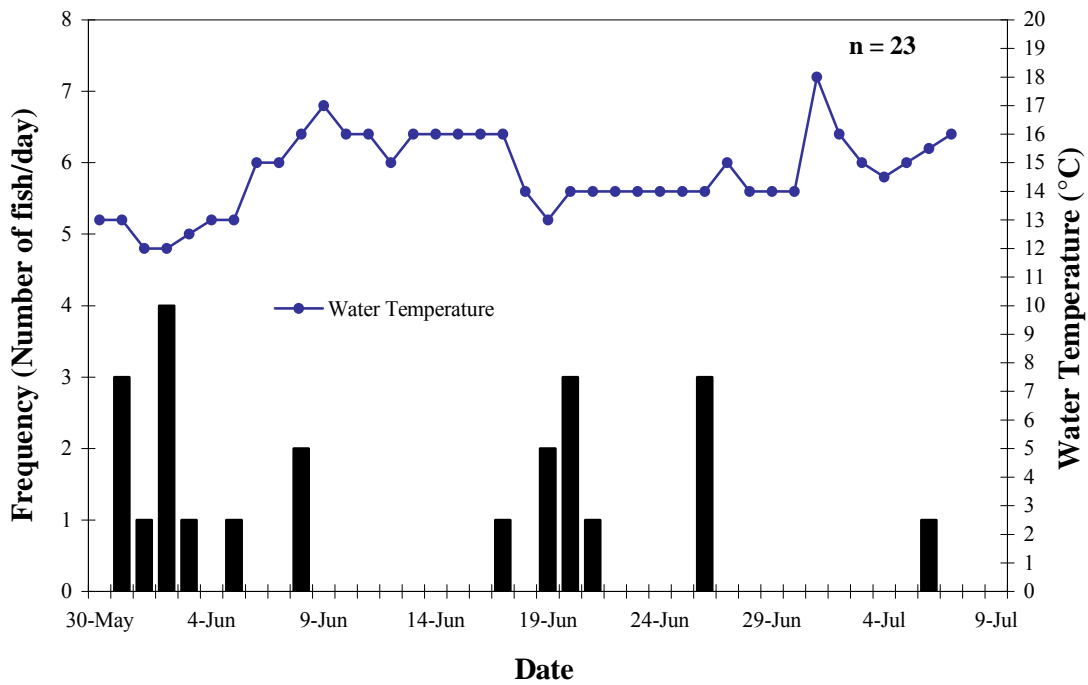


Figure 20. Daily frequency of lake sturgeon captured in the Burntwood River during spring 2001.

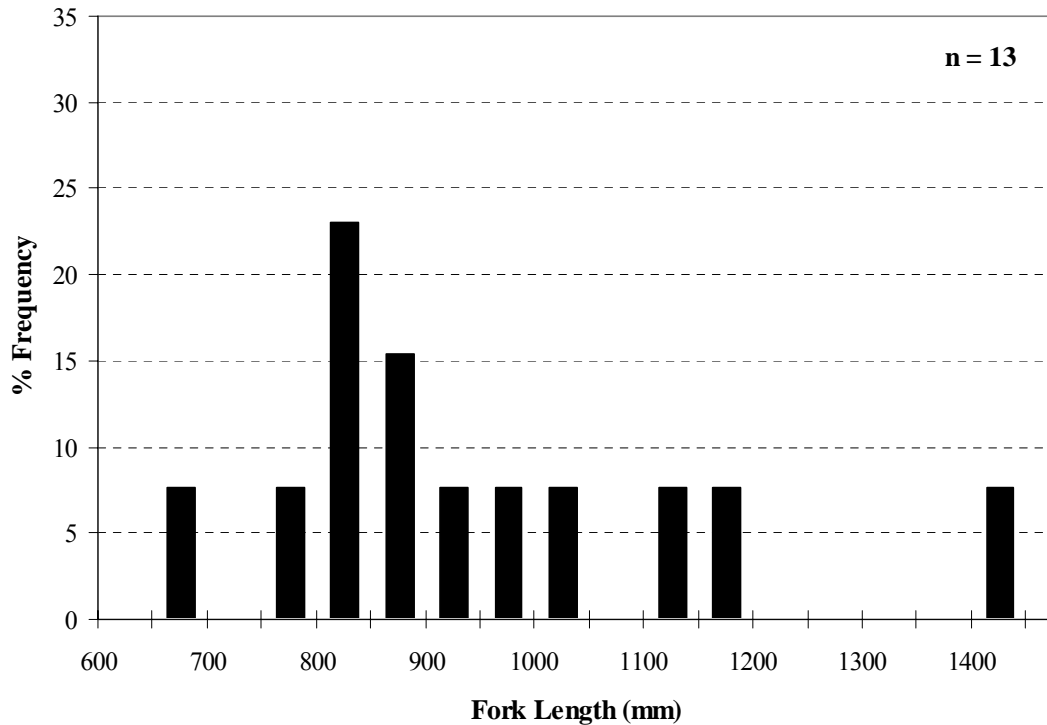


Figure 21. Length-frequency distribution for lake sturgeon captured in the vicinity of the Kelsey GS during spring 2001.

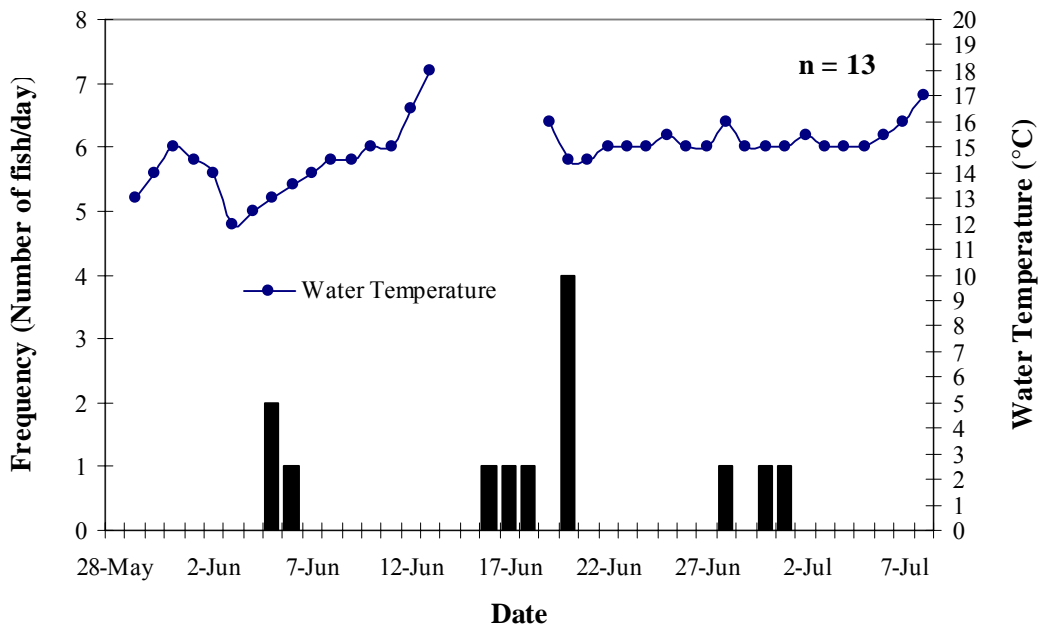


Figure 22. Daily frequency of lake sturgeon captured in the vicinity of the Kelsey GS during spring 2001.

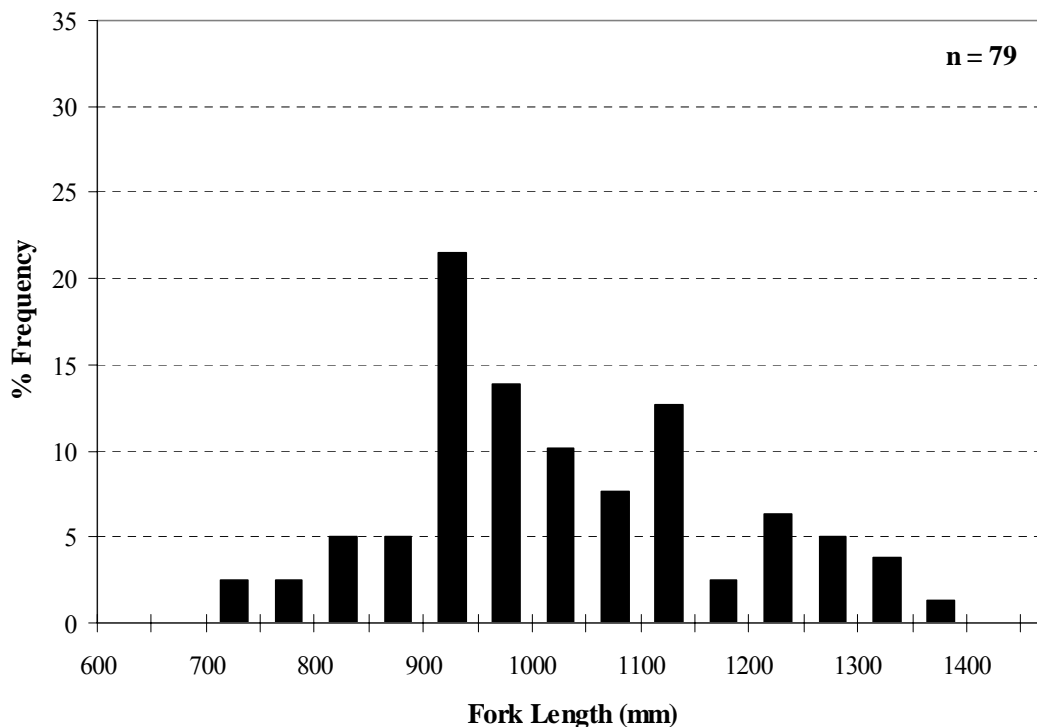


Figure 23. Length-frequency distribution for lake sturgeon captured in the Nelson River between Birthday Rapids and Gull Rapids during spring 2001.

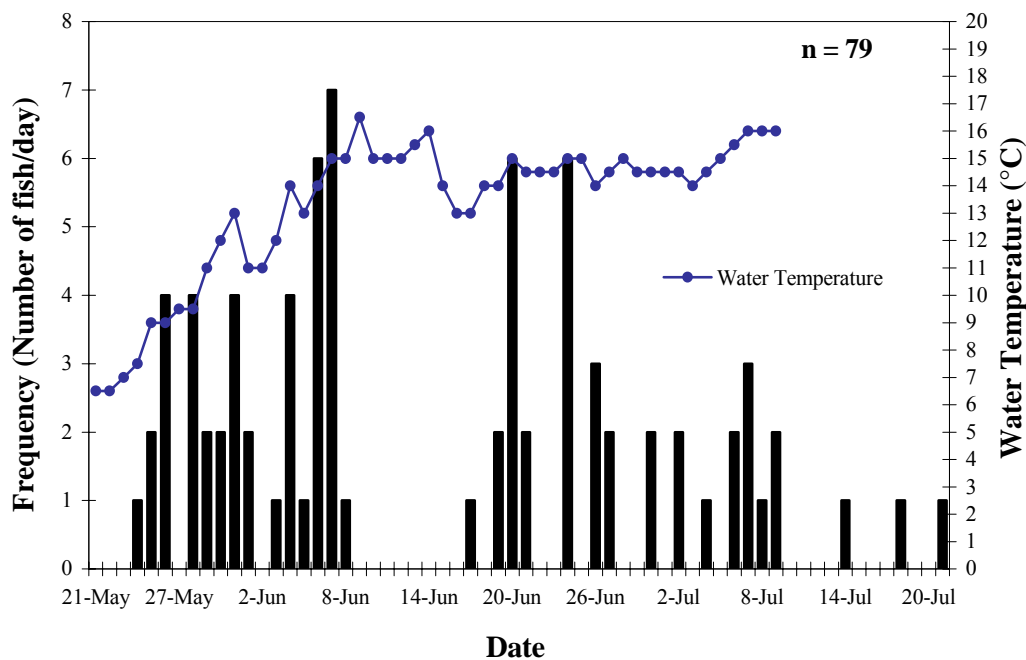


Figure 24. Daily frequency of lake sturgeon captured in the Nelson River between Birthday Rapids and Gull Rapids during spring 2001.

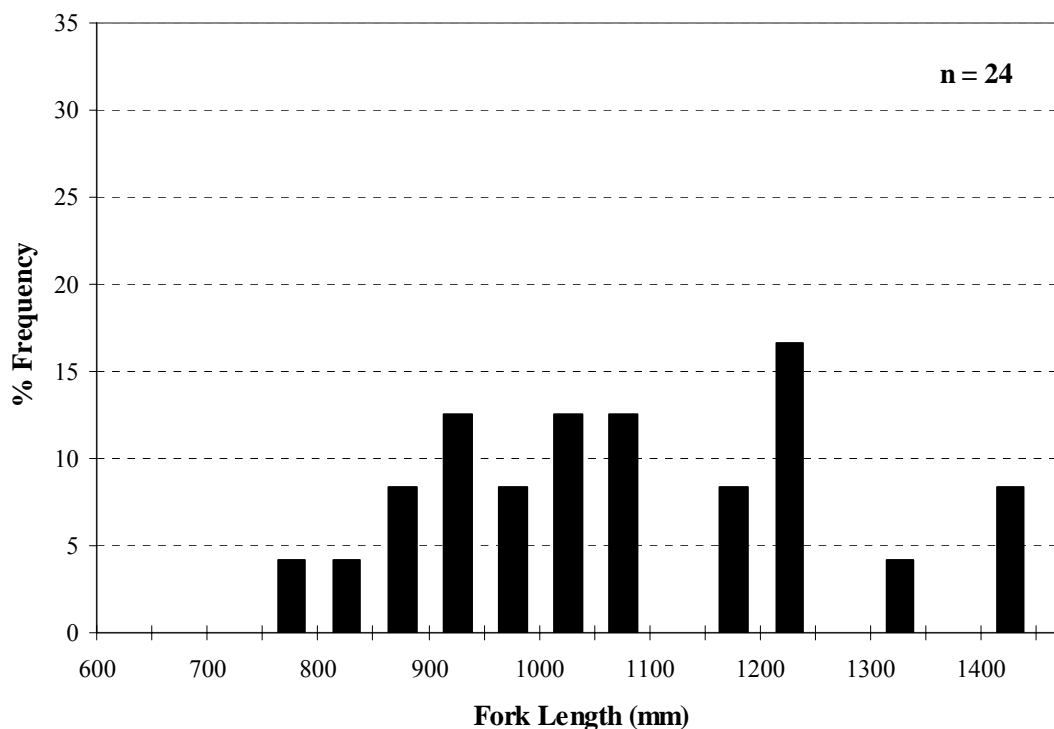


Figure 25. Length-frequency distribution for lake sturgeon captured in Stephens Lake during spring 2001.

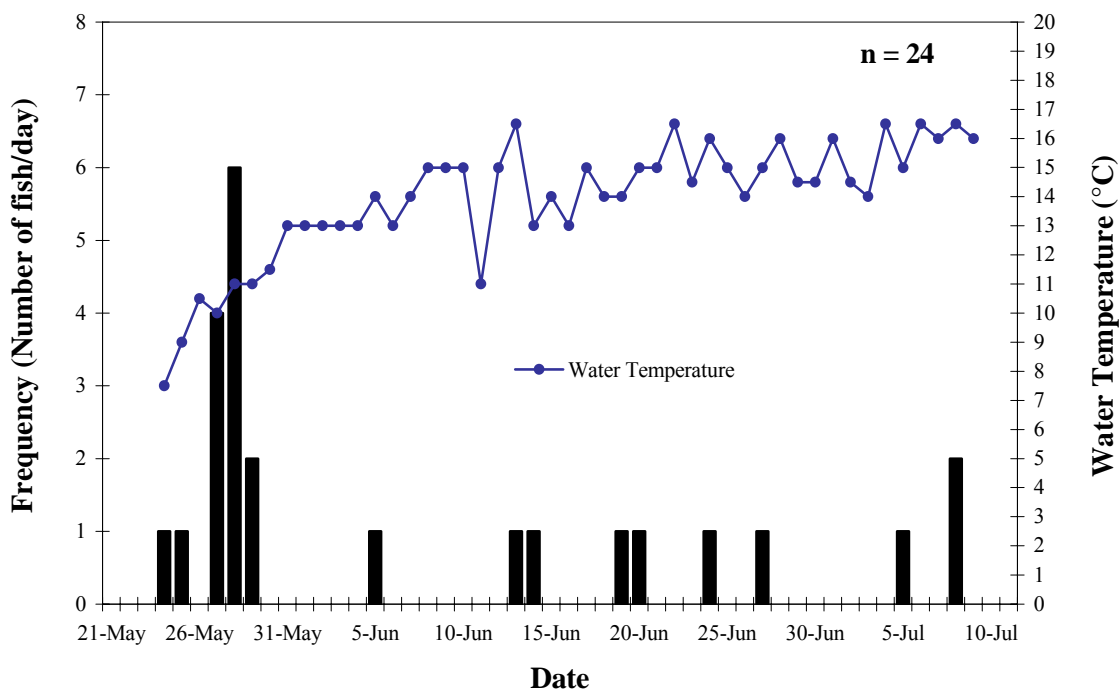


Figure 26. Daily frequency of lake sturgeon captured in Stephens Lake during spring 2001.

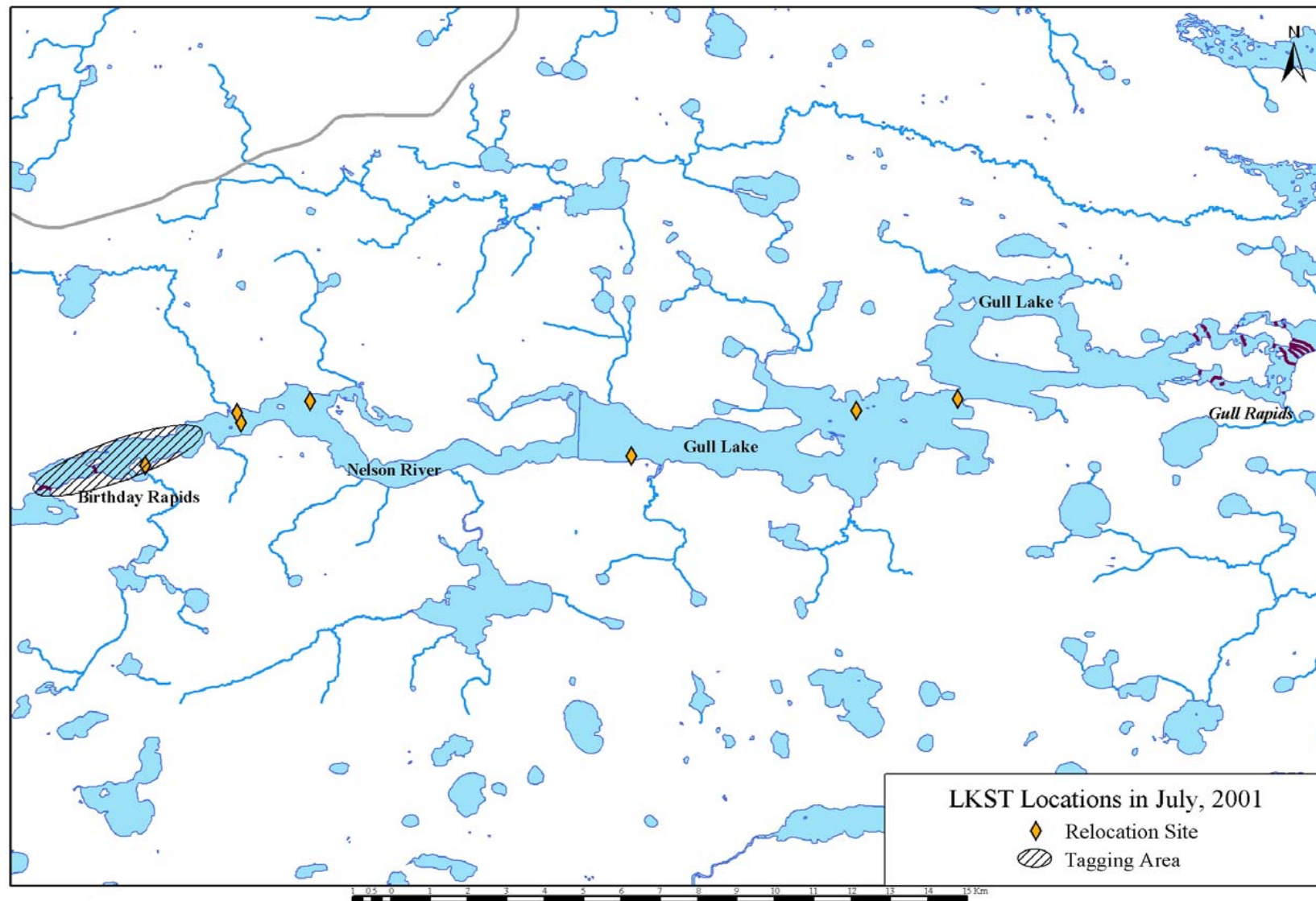


Figure 27. Relocation of seven lake sturgeon on 7 July, that were originally tagged in the vicinity of Birthday Rapids in June, 2001.

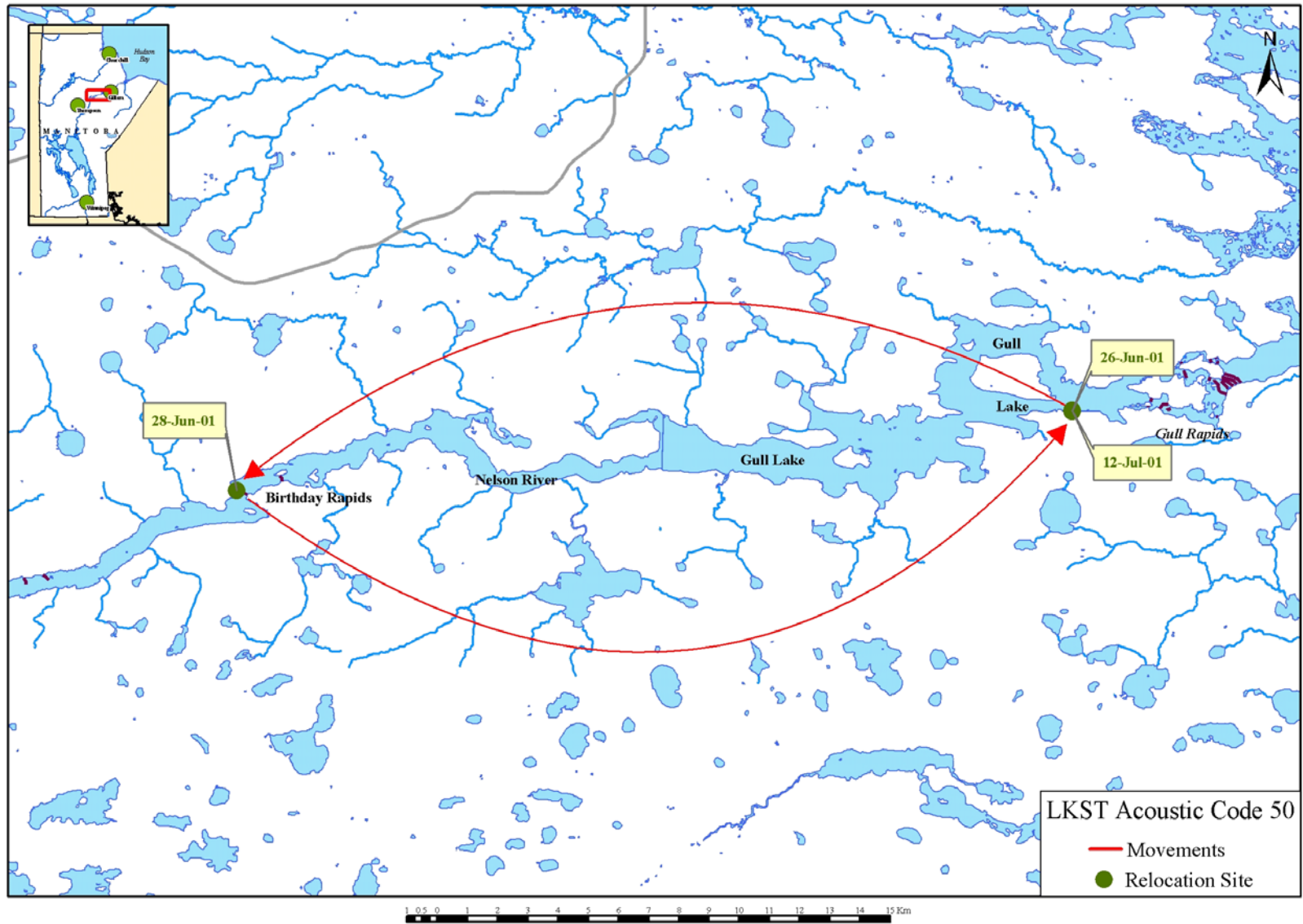


Figure 28. Movement of a lake sturgeon tagged with an acoustic transmitter (AT #50) between 26 July and 12 July.

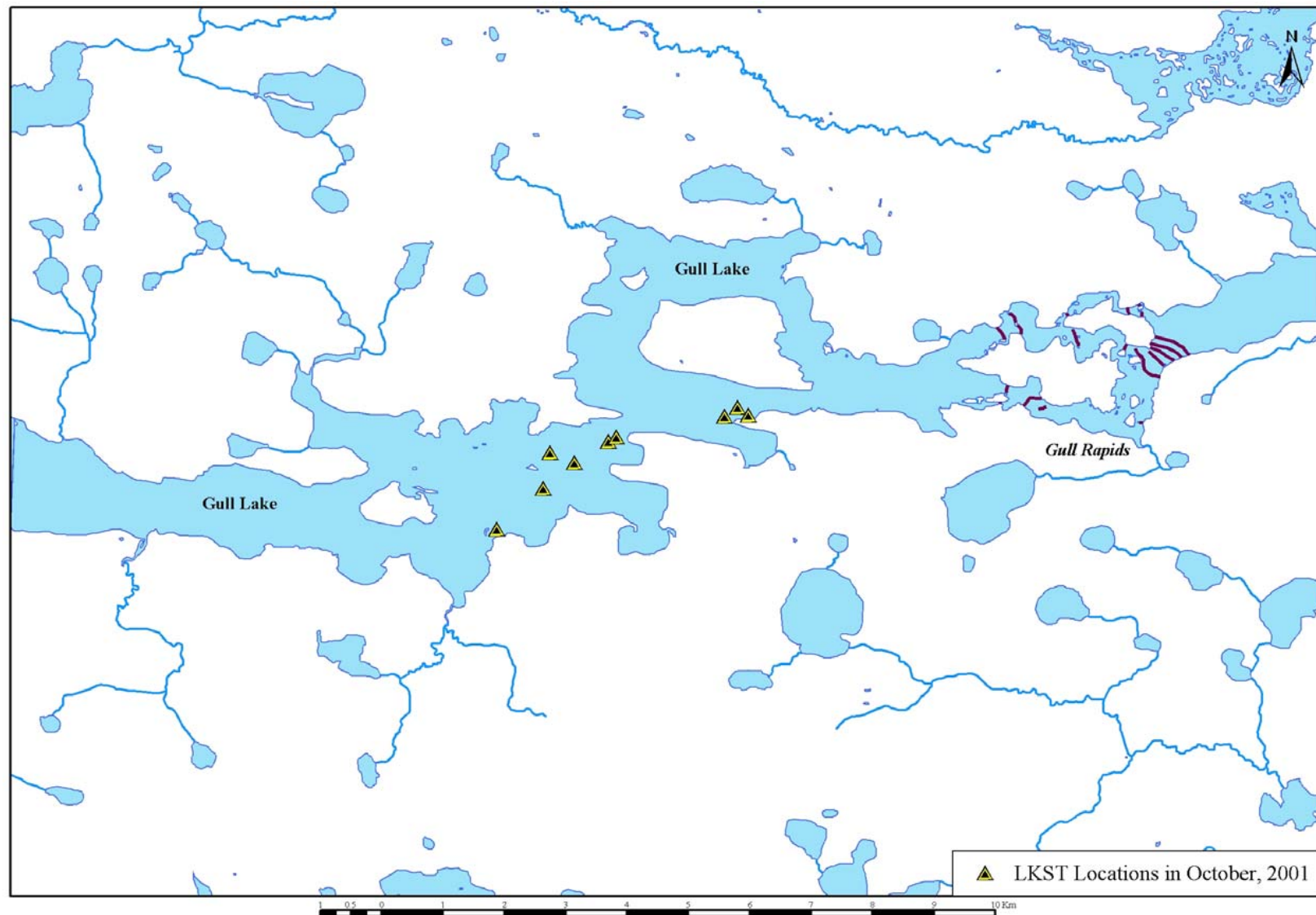


Figure 29. Locations of 9 out of 15 lake sturgeon tagged with acoustic transmitters between Birthday Rapids and Gull Rapids in October, 2001.

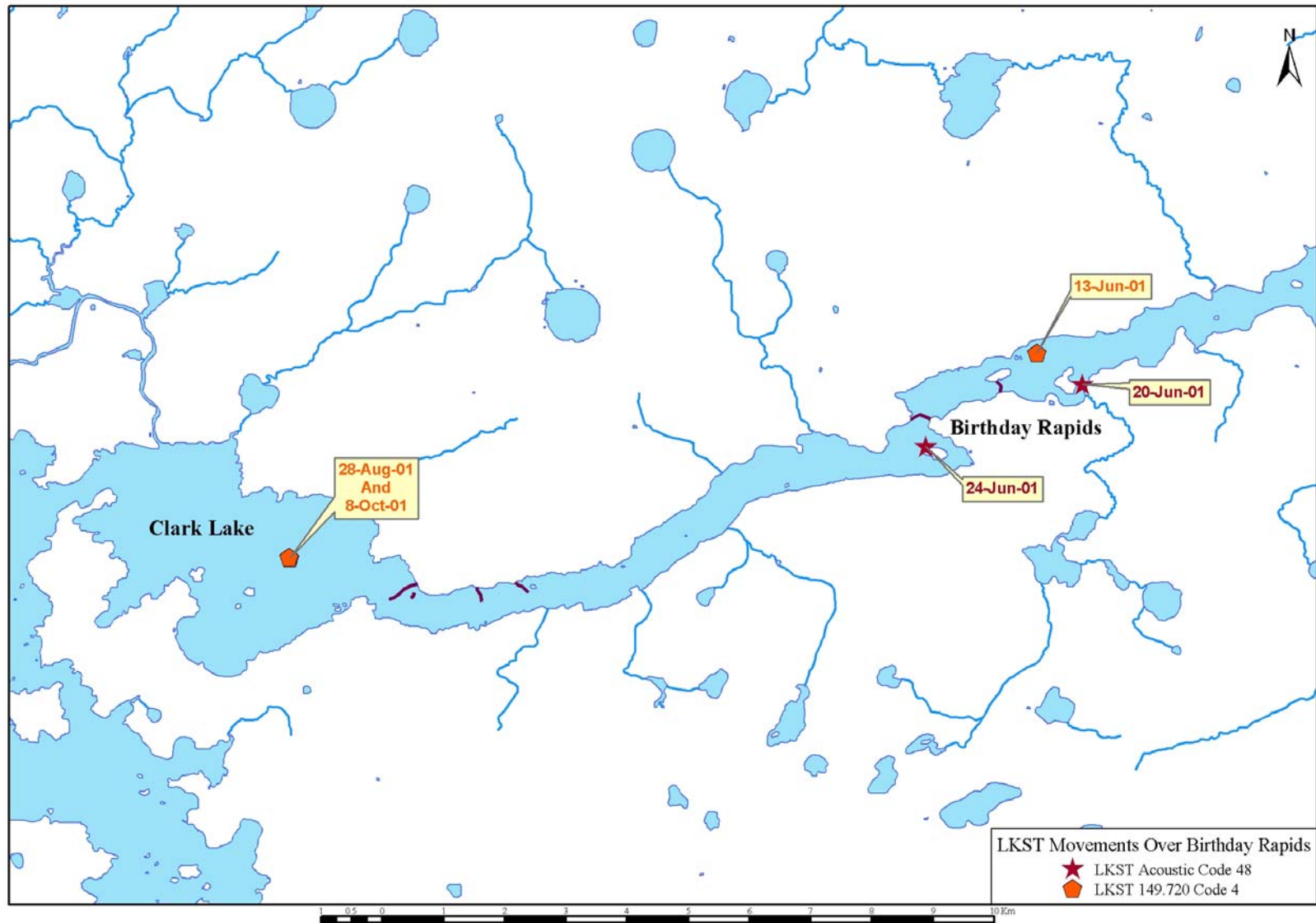


Figure 30. Relocations of two lake sturgeon (one tagged with a radio transmitter and one with an acoustic transmitter) that moved upstream over Birthday Rapids.

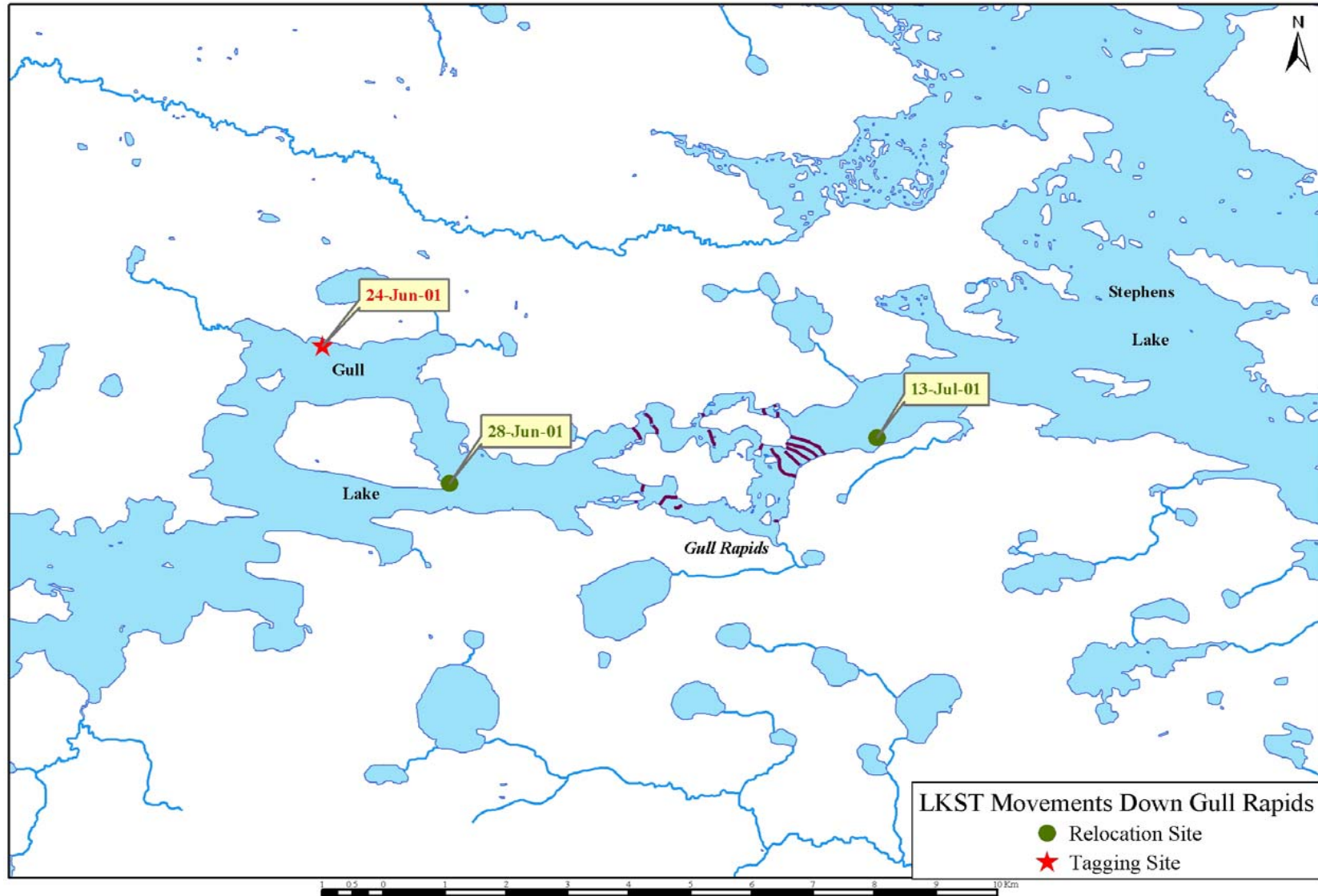


Figure 31. Movement of an acoustic-tagged lake sturgeon (AT#36) from Gull Lake, downstream through Gull Rapids, and into Stephens Lake.

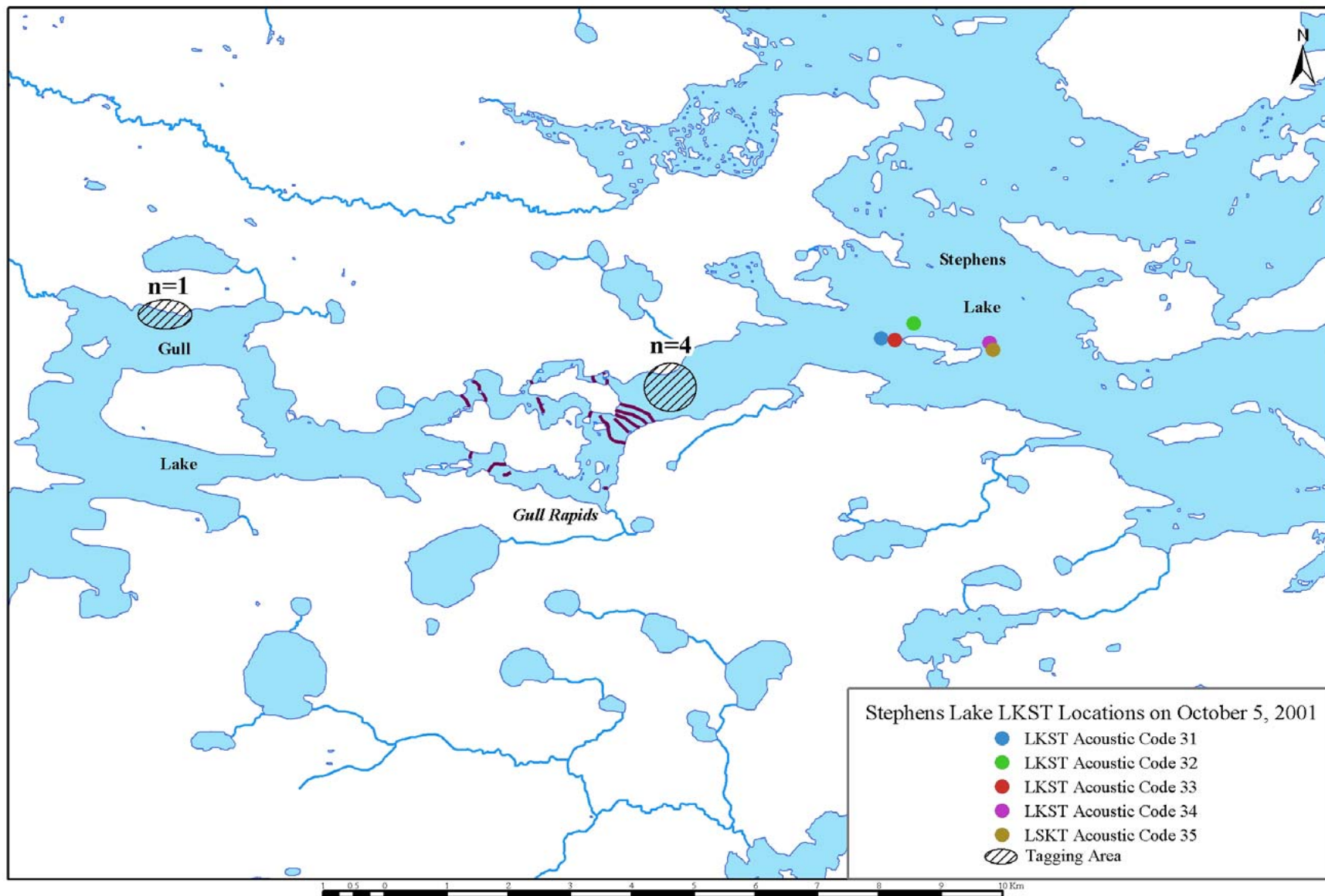


Figure 32. Location of five lake sturgeon tagged with acoustic transmitters in Stephens Lake on 5 October, 2001.

**APPENDIX 1.
BIOLOGICAL AND FLOY-TAG INFORMATION FOR
LAKE STURGEON CAPTURED IN THE
GULL (KEEYASK) STUDY AREA.**

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Table A1-1. Biological and Floy-tag information for all lake sturgeon captured in the Burntwood River during fisheries investigations in 2001.

Prefix	Tag Number	Species	Date Tagged	Gear Type	Location Tagged (Map Area)	Fork Length (mm)	Total Length (mm)	Weight (g)	Sex	Maturity
NSC	46402	LKST	31-May-01	GN	BWR-A	1436	-	15600	M	7
NSC	46403	LKST	31-May-01	GN	BWR-A	1310	-	10350	M	7
NSC	46404	LKST	31-May-01	GN	BWR-A	1048	-	5700	M	7
NSC	46405	LKST	1-Jun-01	GN	BWR-A	995	1075	5800	M	7
NSC	46406	LKST	2-Jun-01	GN	BWR-A	905	1010	5500	M	7
NSC	46407	LKST	2-Jun-01	GN	BWR-A	960	1042	6500	-	-
NSC	46408	LKST	2-Jun-01	GN	BWR-A	842	952	6200	-	-
NSC	46409	LKST	2-Jun-01	GN	BWR-A	997	1087	9500	M	7
NSC	46410	LKST	3-Jun-01	GN	BWR-A	895	1002	5100	-	-
NSC	46411	LKST	5-Jun-01	GN	BWR-A	960	1002	6500	-	-
NSC	46420	LKST	20-Jun-01	GN	BWR-B	610	690	1600	-	-
NSC	46421	LKST	19-Jun-01	GN	BWR-A	785	870	4000	-	-
NSC	46422	LKST	20-Jun-01	GN	BWR-A	920	1000	5650	-	-
NSC	46423	LKST	19-Jun-01	GN	BWR-A	810	970	5000	-	-
NSC	46424	LKST	17-Jun-01	GN	BWR-B	1175	1265	13300	-	-
NSC	46441	LKST	6-Jul-01	GN	BWR-A	910	975	5750	-	-
NSC	46442	LKST	26-Jun-01	GN	BWR-A	1006	-	8000	-	-
NSC	46443	LKST	26-Jun-01	GN	BWR-A	910	1000	6500	-	-
NSC	46444	LKST	26-Jun-01	GN	BWR-A	990	-	-	-	-
NSC	46445	LKST	21-Jun-01	GN	BWR-A	1003	-	7800	-	-
NSC	46446	LKST	20-Jun-01	GN	BWR-A	760	853	3500	-	-
NSC	46449	LKST	8-Jun-01	GN	BWR-A	900	1004	6000	M	7
NSC	46450	LKST	8-Jun-01	GN	BWR-A	600	680	1800	-	-

BWR = Burntwood River (Zones A-D)

GN = Gillnet

Table A1-2. Biological and Floy-tag information for all lake sturgeon captured in the vicinity of the Kelsey GS during fisheries investigations in 2001.

Prefix	Tag Number	Species	Date Tagged	Gear Type	Location Tagged (Map Area)	Fork Length (mm)	Total Length (mm)	Weight (g)	Sex	Maturity
NSC	49001	LKST	5-Jun-01	GN	KGS-A	836	920	6350	-	-
NSC	49002	LKST	5-Jun-01	GN	KGS-B	1016	1143	9000	-	-
NSC	49003	LKST	6-Jun-01	GN	KGS-D	1168	1346	16360	-	-
NSC	49014	LKST	16-Jun-01	GN	KGS-C	769	-	4000	-	-
NSC	49017	LKST	17-Jun-01	GN	KGS-B	1423	-	26000	-	-
NSC	49018	LKST	18-Jun-01	GN	KGS-C	1100	-	-	-	-
NSC	49019	LKST	20-Jun-01	GN	KGS-C	805	875	5000	-	-
NSC	49020	LKST	20-Jun-01	GN	KGS-C	851	977	5100	-	-
NSC	49022	LKST	20-Jun-01	GN	KGS-B	972	1043	7500	-	-
NSC	49023	LKST	20-Jun-01	GN	KGS-A	914	1021	6500	-	-
NSC	49024	LKST	28-Jun-01	GN	KGS-C	819	925	5200	-	-
NSC	49025	LKST	30-Jun-01	GN	KGS-B	692	780	3200	-	-
NSC	49026	LKST	1-Jul-01	GN	KGS-C	855	952	5800	-	-

KGS = Kelsey Generating Station (Zones A-D)

GN = Gillnet

Table A1-3. Biological and Floy-tag information for lake sturgeon captured in the Nelson River between Birthday Rapids and Gull Rapids during spring investigations in 2001.

Prefix	Tag Number	Species	Date Tagged	Gear Type	Location Tagged (Map Area)	Fork Length (mm)	Total Length (mm)	Weight (g)	Sex	Maturity
NSC	47024	LKST	24-May-01	GN	BR-D	1316	1401	-	F	2
NSC	47055	LKST	25-May-01	GN	GL-C	1084	-	8250	-	-
NSC	47057	LKST	25-May-01	GN	GL-C	1106	1195	12500	-	-
NSC	47059	LKST	26-May-01	GN	GL-C	1211	1355	14500	-	-
NSC	47060	LKST	26-May-01	GN	GL-C	889	995	6500	-	-
NSC	47061	LKST	26-May-01	GN	GL-C	953	1065	9000	-	-
NSC	47062	LKST	26-May-01	GN	BR-D	991	1082	8750	M	7
NSC	47069	LKST	28-May-01	GN	GL-C	905	994	6250	M	7
NSC	47071	LKST	28-May-01	GN	GL-C	909	1004	5750	M	7
NSC	47075	LKST	28-May-01	GN	BR-D	1001	1105	7750	M	7
NSC	47076	LKST	28-May-01	GN	BR-D	1355	1461	23500	F	2
NSC	47080	LKST	29-May-01	GN	GL-B	854	960	5000	-	-
NSC	47084	LKST	29-May-01	GN	GL-B	840	920	4250	-	-
NSC	47087	LKST	30-May-01	GN	GL-C	916	1028	7500	-	-
NSC	47091	LKST	31-May-01	GN	GL-C	908	1012	6250	-	-
NSC	47093	LKST	31-May-01	GN	GL-B	819	896	4500	-	-
NSC	47094	LKST	31-May-01	GN	GL-A	1240	1360	16250	M	7
NSC	47096	LKST	31-May-01	GN	BR-D	1241	1371	24000	F	2
NSC	47098	LKST	1-Jun-01	GN	GL-C	914	972	6250	-	-
NSC	47099	LKST	1-Jun-01	GN	GL-C	1282	1380	23500	-	-
NSC	47106	LKST	3-Jun-01	GN	GL-B	1180	1242	10500	-	-
NSC	47107	LKST	4-Jun-01	GN	BR-D	1329	1429	17750	-	-
NSC	47108	LKST	4-Jun-01	GN	GL-A	1135	1254	11000	-	-
NSC	47109	LKST	30-May-01	GN	GL-C	1105	1230	12500	-	-

Table A1-3. Continued.

Prefix	Tag Number	Species	Date Tagged	Gear Type	Location Tagged (Map Area)	Fork Length (mm)	Total Length (mm)	Weight (g)	Sex	Maturity
NSC	47110	LKST	4-Jun-01	GN	GL-C	909	1020	6750	-	-
NSC	47111	LKST	4-Jun-01	GN	GL-C	1005	1110	7250	-	-
NSC	47114	LKST	5-Jun-01	GN	GL-B	1275	1380	17500	-	-
NSC	47115	LKST	6-Jun-01	GN	BR-D	1082	1190	10500	M	8
NSC	47116	LKST	6-Jun-01	GN	BR-D	945	1032	6750	-	-
NSC	47117	LKST	6-Jun-01	GN	BR-D	1130	1275	13000	M	8
NSC	47118	LKST	6-Jun-01	GN	BR-D	1147	1262	13250	-	-
NSC	47119	LKST	6-Jun-01	GN	BR-D	946	1050	7000	M	8
NSC	47120	LKST	6-Jun-01	GN	BR-D	990	1110	7750	M	8
NSC	47123	LKST	7-Jun-01	GN	GL-C	921	1040	6750	-	-
NSC	47124	LKST	7-Jun-01	GN	BR-D	1044	1153	7500	M	9
NSC	47125	LKST	7-Jun-01	GN	BR-D	1260	1346	16500	M	8
NSC	47126	LKST	7-Jun-01	GN	BR-D	964	1026	7000	M	8
NSC	47127	LKST	7-Jun-01	GN	BR-D	908	1008	6250	M	8
NSC	47128	LKST	7-Jun-01	GN	BR-D	1055	1159	10000	M	8
NSC	47129	LKST	7-Jun-01	GN	BR-D	1113	1234	11750	M	8
NSC	47134	LKST	8-Jun-01	GN	BR-D	924	1015	6500	M	8
NSC	47141	LKST	17-Jun-01	GN	GL-C	925	1040	6000	-	-
NSC	47147	LKST	19-Jun-01	GN	GL-B	1040	1124	9000	-	-
NSC	47148	LKST	19-Jun-01	GN	GL-B	782	891	4500	-	-
NSC	47149	LKST	20-Jun-01	GN	GL-A	1025	1080	9500	-	-
NSC	47150	LKST	20-Jun-01	GN	GL-A	955	1050	8000	-	-
NSC	47151	LKST	21-Jun-01	GN	GL-A	931	1021	7750	-	-
NSC	47152	LKST	20-Jun-01	GN	GL-A	964	1050	9000	-	-
NSC	47153	LKST	20-Jun-01	GN	GL-B	1010	1097	9750	-	-
NSC	47154	LKST	24-Jun-01	GN	GL-C	909	1020	6750	-	-

Table A1-3. Continued.

Prefix	Tag Number	Species	Date Tagged	Gear Type	Location Tagged (Map Area)	Fork Length (mm)	Total Length (mm)	Weight (g)	Sex	Maturity
NSC	47155	LKST	24-Jun-01	GN	GL-C	1005	1110	7250	-	-
NSC	47156	LKST	24-Jun-01	GN	GL-C	1275	1380	17500	-	-
NSC	47157	LKST	24-Jun-01	GN	GL-C	1082	1190	10500	-	-
NSC	47158	LKST	24-Jun-01	GN	GL-C	945	1032	6750	-	-
NSC	47159	LKST	26-Jun-01	GN	GL-C	1147	1262	13250	-	-
NSC	47162	LKST	27-Jun-01	GN	GL-B	921	1040	6750	-	-
NSC	47164	LKST	27-Jun-01	GN	GL-A	1044	1153	7500	-	-
NSC	47166	LKST	30-Jun-01	GN	BR-D	1260	1346	16500	-	-
NSC	47167	LKST	30-Jun-01	GN	BR-D	964	1026	7000	-	-
NSC	47172	LKST	2-Jul-01	GN	GL-A	908	1008	6250	-	-
NSC	47173	LKST	2-Jul-01	GN	GL-A	1055	1159	10000	-	-
NSC	47174	LKST	4-Jul-01	GN	BR-D	1113	1234	11750	-	-
NSC	47176	LKST	6-Jul-01	GN	GL-C	924	1015	6500	-	-
NSC	47178	LKST	6-Jul-01	GN	GL-C	925	1040	6000	-	-
NSC	47179	LKST	7-Jul-01	GN	GL-C	1040	1124	9000	-	-
NSC	47180	LKST	7-Jul-01	GN	GL-C	782	891	4500	-	-
NSC	47181	LKST	7-Jul-01	GN	GL-C	1025	1080	9500	-	-
NSC	47182	LKST	8-Jul-01	GN	GL-C	955	1050	8000	-	-
NSC	47183	LKST	9-Jul-01	GN	GL-B	931	1021	7750	-	-
NSC	47184	LKST	9-Jul-01	GN	GL-B	964	1050	9000	-	-
NSC	47185	LKST	14-Jul-01	GN	GL-B	1010	1097	9750	-	-
NSC	47186	LKST	18-Jul-01	GN	GL-B	960	1050	8750	-	-
NSC	47187	LKST	21-Jul-01	GN	GL-C	1039	1149	8100	-	-
NSC	47529	LKST	20-Jun-01	GN	GL-A	1210	1300	15450	-	-
NSC	47530	LKST	21-Jun-01	GN	BR-D	1145	1237	14500	-	-
*SLRMB	1076	LKST	26-Jun-01	GN	GL-B	946	1050	7000	-	-

Table A1-3. Continued.

Prefix	Tag Number	Species	Date Tagged	Gear Type	Location Tagged (Map Area)	Fork Length (mm)	Total Length (mm)	Weight (g)	Sex	Maturity
*SLRMB	1092	LKST	26-Jun-01	GN	GL-C	990	1110	7750	-	-
*SLRMB	1096	LKST	20-Jun-01	GN	GL-B	960	1050	8750	-	-
*SLRMB	1100	LKST	24-Jun-01	GN	GL-C	1130	1275	13000	-	-

* Tags with the prefix SLRMB were originally tagged during a gillnetting study conducted in Gull Lake in 1995
(Manitoba Water Stewardship, unpublished data)

GN = Gillnets

GL = Gull Lake (Zones A-C)

BR = Birthday Rapids (Zones U and D)

Table A1-4. Biological and Floy-tag information for lake sturgeon captured in Stephens Lake during spring investigations in 2001.

Prefix	Tag Number	Species	Date Tagged	Gear Type	Location Tagged (Map Area)	Fork Length (mm)	Total Length (mm)	Weight (g)	Sex	Maturity
NSC	46701	LKST	24-May-01	GN	STL-A	1320	1448	20500	F	2
NSC	46747	LKST	25-May-01	GN	STL-A	990	1113	8100	-	-
NSC	46803	LKST	27-May-01	GN	STL-A	1435	1520	40000	F	2
NSC	46804	LKST	27-May-01	GN	STL-A	1447	1539	40000	F	2
NSC	46805	LKST	27-May-01	GN	STL-A	872	940	5800	-	-
NSC	46807	LKST	27-May-01	GN	STL-A	1092	1173	11000	M	7
NSC	46826	LKST	28-May-01	GN	STL-A	1000	1092	7750	M	7
NSC	46827	LKST	28-May-01	GN	STL-A	945	1040	7500	M	7
NSC	46844	LKST	28-May-01	GN	STL-A	926	1036	6750	-	-
NSC	46845	LKST	28-May-01	GN	STL-A	1042	1112	8000	-	-
NSC	46846	LKST	28-May-01	GN	STL-A	1052	1163	9250	-	-
NSC	46847	LKST	29-May-01	GN	STL-A	1010	1109	9000	M	7
NSC	46848	LKST	28-May-01	GN	STL-A	1175	1290	15000	-	-
NSC	46849	LKST	29-May-01	GN	STL-A	1210	1310	15250	M	7
NSC	46856	LKST	5-Jun-01	GN	STL-A	849	978	8000	-	-
NSC	46886	LKST	13-Jun-01	GN	STL-A	1247	1430	16500	F	2
NSC	46887	LKST	14-Jun-01	GN	STL-A	950	1050	8000	-	-
NSC	46888	LKST	19-Jun-01	GN	STL-A	1235	1388	20000	-	-
NSC	46889	LKST	20-Jun-01	GN	STL-A	1050	1152	9250	-	-
NSC	46891	LKST	24-Jun-01	GN	STL-A	1230	1315	18000	-	-
NSC	46892	LKST	27-Jun-01	GN	STL-A	891	964	5500	-	-
NSC	46893	LKST	5-Jul-01	GN	STL-A	792	872	4400	-	-
NSC	46894	LKST	8-Jul-01	GN	STL-A	911	962	7000	-	-
NSC	46895	LKST	8-Jul-01	GN	STL-A	1187	1233	15000	-	-

GN=Gillnet

STL = Stephens Lake (Zones A-F)

Table A1-5. Biological and Floy-tag information for incidental lake sturgeon captures in the Gull (Keeyask) Study Area during fisheries investigations in 2001.

Prefix	Tag Number	Species	Date Tagged	Gear Type	Location Tagged (Map Area)	Fork Length (mm)	Total Length (mm)	Weight (g)	Sex	Maturity
-	-	LKST	19-Aug	GN	GL-C	212	-	55	-	-
-	-	LKST	20-Aug	GN	SPL-A	90	-	-	-	-
NSC	46894	LKST	29-Sep	GN	STL-A	972	1080	7250	-	-
NSC	47413	LKST	6-Oct	GN	GL-B	700	790	-	-	-
NSC	49040	LKST	26-Sep	GN	STL-A	1360	1440	32500	F	-
NSC	49041	LKST	26-Sep	GN	STL-A	1002	1106	10000	F	-

GN=Gillnet

SPL = Split Lake (Zone A-E)

STL = Stephens Lake (Zones A-F)

GL = Gull Lake (Zones A-C)

APPENDIX 2.
WEIGHT-LENGTH REGRESSION ANALYSIS FOR LAKE STURGEON
CAPTURED IN THE GULL (KEEYASK) STUDY AREA

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Table A2-1. Weight-length regression analysis, by location, for lake sturgeon captured in the Gull (Keeyask) Study Area during 2001.

Location	n	Regression Line	R-Square Value¹
Burntwood River	22	$y = 15.75x - 8228.9$	0.86
Kelsey GS	12	$y = 31.78x - 21112$	0.95
Nelson River (BR-GR)	78	$y = 32.20x - 22818$	0.85
Stephens Lake	24	$y = 47.48x - 38004$	0.82

n = number of fish captured

GS = Generating Station

BR-GR = Birthday Rapids to Gull Rapids

1 - r square value measures how well the equation explains variation in the data (i.e., a value closer to 1.00 indicates a better fit)

**APPENDIX 3.
SUMMARY OF LAKE STURGEON FLOY-TAG RECAPTURES IN THE
GULL (KEEYASK) STUDY AREA**

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Table A3-1. Summary of Floy-tag recaptures (prior to 31 December, 2001) from lake sturgeon Floy-tagged in the Gull (Keeyask) Study Area 2001. (Distance denotes overall distance in kilometres from tagging site to recapture site).

Prefix	Tag Number	Species	Date Tagged	Tagging Zone (Map Area)	Date Recaptured	Recapture Zone (Map Area)	Distance (km)
NSC	46408	LKST	2-Jun-01	BWR-A	12-Jun-01	BWR-A	0.1
NSC	46408	LKST	2-Jun-01	BWR-A	22-Jun-01	BWR-A	0.1
NSC	46409	LKST	2-Jun-01	BWR-A	12-Jun-01	SPL-E	66.0
NSC	46701	LKST	24-May-01	STL-A	5-Jun-01	STL-A	-
NSC	46701	LKST	24-May-01	STL-A	10-Jun-01	STL-A	0.1
NSC	46701	LKST	24-May-01	STL-A	25-Jun-01	STL-A	0.1
NSC	46747	LKST	25-May-01	STL-A	28-May-01	STL-A	-
NSC	46747	LKST	25-May-01	STL-A	30-May-01	STL-A	-
NSC	46747	LKST	25-May-01	STL-A	9-Jun-01	STL-A	0.1
NSC	46803	LKST	27-May-01	STL-A	28-May-01	STL-A	0.2
NSC	46805	LKST	27-May-01	STL-A	31-May-01	STL-A	-
NSC	46807	LKST	27-May-01	STL-A	28-May-01	STL-A	0.1
NSC	46807	LKST	27-May-01	STL-A	29-May-01	STL-A	-
NSC	46807	LKST	27-May-01	STL-A	5-Jun-01	STL-A	-
NSC	46827	LKST	28-May-01	STL-A	30-May-01	STL-A	0.1
NSC	46827	LKST	28-May-01	STL-A	2-Jun-01	STL-A	-
NSC	46847	LKST	29-May-01	STL-A	30-Jun-01	STL-A	0.1
NSC	47024	LKST	24-May-01	BR-D	1-Jun-01	BR-D	3.5
NSC	47024	LKST	24-May-01	BR-D	6-Jun-01	BR-D	3.5
NSC	47059	LKST	26-May-01	GL-C	30-May-01	GL-C	3.5
NSC	47061	LKST	26-May-01	GL-C	4-Jun-01	GL-C	3.5
NSC	47061	LKST	26-May-01	GL-C	8-Jul-01	GL-B	7.4
NSC	47076	LKST	29-May-01	BR-D	31-May-01	BR-D	-
NSC	47076	LKST	29-May-01	BR-D	1-Jun-01	BR-D	-
NSC	47091	LKST	30-May-01	GL-C	5-Jul-01	GL-C	3.5
NSC	47109	LKST	30-May-01	GL-C	4-Jun-01	GL-C	-

Table A3-1. Continued.

Prefix	Tag Number	Species	Date Tagged	Tagging Zone (Map Area)	Date Recaptured	Recapture Zone (Map Area)	Distance (km)
NSC	47115	LKST	6-Jun-01	BR-D	3-Jul-01	BR-D	2.0
NSC	47117	LKST	6-Jun-01	BR-D	8-Jun-01	BR-D	0.1
NSC	47118	LKST	6-Jun-01	BR-D	8-Jun-01	BR-D	0.1
NSC	47119	LKST	6-Jun-01	BR-D	9-Jun-01	BR-D	1.0
NSC	47129	LKST	7-Jun-01	BR-D	9-Jun-01	BR-D	-
NSC	47129	LKST	7-Jun-01	BR-D	9-Jun-01	BR-D	0.1
NSC	49026	LKST	1-Jul-01	KGS-A	7-Jul-01	KGS-A	-

KGS = Kelsey Generating Station (Zones A-D)

SPL = Split Lake (Zone A-E)

STL = Stephens Lake (Zones A-F)

GL = Gull Lake (Zones A-C)

BR = Birthday Rapids (Zones U and D)

**APPENDIX 4.
SUMMARY OF PHYSICAL MEASUREMENTS TAKEN AT
LAKE STURGEON INDEX GILLNETTING SITES**

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Table A4-1. Summary of physical measurements taken at 20 lake sturgeon index gillnet sites in the Nelson River between Birthday Rapids and Gull Rapids, 2001.

Site	Set	Net Pull Date	Water depth (m)		Water Temp. (°C)	Velocity ¹	Substrate
			Onshore	Offshore			
1	1	17-Jun	7.0	11.9	13.0	med	soft
	2	5-Jul			15.0		sand/clay
2	1	17-Jun	3.4	6.7	13.0	low	hard
	2	6-Jul			15.0		bedrock/sand
3	1	17-Jun	3.4	6.1	13.0	low	soft
	2	6-Jul			15.0		sand/clay
4	1	17-Jun	3.4	6.1	13.0	low	soft
	2	6-Jul			15.0		sand/clay
5	1	19-Jun	2.1	9.1	14.0	med	hard
	2	7-Jul			16.0		rock
6	1	19-Jun	2.7	6.1	14.0	low	hard
	2	7-Jul			16.0		bedrock/clay
7	1	19-Jun	7.6	9.1	14.0	low	hard
	2	7-Jul			16.0		bedrock/clay
8	1	19-Jun	2.4	5.2	14.0	low	hard
	2	8-Jul			16.0		bedrock
9	1	20-Jun	0.9	4.6	14.5	low	soft
	2	27-Jun			14.5		clay
10	1	20-Jun	4.6	3.4	14.5	med	soft
	2	27-Jun			14.5		clay/bedrock
11	1	20-Jun	1.8	3.4	14.5	low	soft
	2	27-Jun			14.5		clay
12	1	20-Jun	3.0	5.5	14.5	low	hard
	2	27-Jun			14.5		bedrock
13	1	21-Jun	3.0	4.9	14.5	low	hard
	2	2-Jul			15.0		gravel/bedrock
14	1	21-Jun	1.8	3.7	14.5	low	soft
	2	28-Jun			15.0		mud/sand

Table A4-1. Continued.

Site	Set	Net Pull Date	Water depth (m)		Water Temp. (°C)	Velocity	Substrate
			Onshore	Offshore			
15	1	21-Jun	2.4	8.2	14.5	low	hard
		28-Jun			15.0		bedrock
16	1	21-Jun	2.4	3.0	14.5	low	hard
	2	28-Jun			15.0		bedrock
17	1	22-Jun	2.1	10.1	15.0	low/med	hard
	2	3-Jul			14.0		bedrock
18	1	22-Jun	2.4	6.4	15.0	low	hard
	2	4-Jul			14.5		bedrock
19	1	22-Jun	1.5	3.4	15.0	low	hard
	2	3-Jul			15.0		bedrock
20	1	22-Jun	4.3	6.1	15.0	low/med	hard
	2	3-Jul			14.0		bedrock

¹Water velocity was classified as either low < 0.5 m/s, medium 0.5-1.5 m/s, or high > 1.5 m/s