

**Lake Winnipeg Fish Habitat Assessment 2011**

Segment number	GPS location										Weather	Air temp (°C)	Water temp (°C)
	Site number	Northing	Easting	Date	Field crew	Start time	End time	Seine (15m)	Gee trap	Distance sampled (m)			
40	203	5616567	0672811	August 4, 2011	AE, BM, DS	1430	1500	1		15	sunny, slightly windy	30	26
39	204	5616425	0671372	August 4, 2011	AE, BM, DS	1600	1610	1		10	sunny, slightly windy	30	26
40	206	5616577	0674419	August 4, 2011	AE, BM, DS	1710	0800 (Aug. 5)		2		partly cloudy	30/21	26/25
40	207	5616694	0674035	August 4, 2011	AE, BM, DS	1650	0816 (Aug. 6)		2		sun and cloud	30/21	26/25
37	208	5615407	0670143	August 5, 2011	AE, BM, DS	0835	0845	2		30	clear	21	25
37	209	5609125	0670413	August 5, 2011	AE, BM, DS	0930	0940	1		15	clear	18	-
36	210	5606472	0671320	August 5, 2011	AE, BM, DS	1010	1015	1		15	sunny, clear	20	23
35	211	5604766	0670036	August 5, 2011	AE, BM, DS	1038	1045	1		15	sunny	21	26
31	212	5599389	0668384	August 5, 2011	AE, BM, DS	1145	1150	1		15	sunny	21	25
28	213	5595377	0671255	August 5, 2011	AE, BM, DS	1310	1320	1	2	15	sunny	20	24
27	214	5590066	0671513	August 5, 2011	AE, BM, DS	1353	1400	1		15	sunny	21	25
28	215	5593045	0672020	August 5, 2011	AE, BM, DS	1440	0900 (Aug. 6)		1		sunny	20	26
28	216A	5594089	0671452	August 5, 2011	AE, BM, DS	1455	0830 (Aug. 6)		1		sunny	20	26
25	216B	5586023	0667726	August 6, 2011	AE, BM, DS	0930	0935	1		15	cloudy	17	24
24	217	5584363	0658104	August 6, 2011	AE, BM, DS	1050	1058	1		15	cloudy	20	26
22	218	5585507	0649875	August 6, 2011	AE, BM, DS	1205	1210	1		15	high cloud/sun	21	24
19	219	5589957	0645164	August 6, 2011	AE, BM, DS	1347	1352	1		15	partly cloudy	20	24
19	220	5590544	0645486	August 6, 2011	AE, BM, DS	1410	1420	1		15	-	20	24
17	221	5597283	0644201	August 6, 2011	AE, BM, DS	1525	1535	1		15	sunny	21	24
14	222	5592513	0645190	August 7, 2011	AE, BM, DS	0850	0910	1		15	sunny, clear	20	24
6	224	5617819	0644602	August 7, 2011	AE, BM, DS	1030	1040	2		30	sunny	21	23
5	225	5628236	0642431	August 7, 2011	AE, BM, DS	1140	1145	1		15	sunny, light wind	20	23
2	227	5649968	0645098	August 7, 2011	AE, BM, DS	1330	1335	1		15	sunny	23	24
3	228	5646218	0643921	August 7, 2011	AE, BM, DS	1645	1655	1		15	overcast, windy	20	24
4	229	5636342	0642103	August 7, 2011	AE, BM, DS	1715	1720	1		15	partly cloudy	21	24

Totals 23 8 340

Lake Winr

Segment number	Site number	Substrate										Aquatic Macrophyte Species	Shiner/Juv	
		Organics (%)	Mud (%)	Silt (%)	Clay (%)	Sand (%)	Small Gravel (%)	Large Gravel (%)	Cobble (%)	Boulder (%)	Other			
40	203					80	20						None	162
39	204					20	20		20	40			None	
40	206			50	50							dredged marina	None	
40	207	30		35	35							placed in aquatic vegetation	cattail, reed grass, smartweed	
37	208					15	25	50	9	1			None	
37	209					20	20	40	10	10			None	
36	210					100							None	
35	211					95	5						None	
31	212					60	10	10	20				None	
28	213					5	65		10	20			None	
27	214					70	30						milfoil, duckweed	
28	215								30	70		groyne made of boulders	None	
28	216A					70	30					sand under dock	cattail, milfoil, reed grass	
25	216B	5	10			70		10	5				cattail, willow	
24	217					100							cattail	
22	218					40	50	10					duckweed	6
19	219					80	20						None	
19	220					80	20						None	
17	221					20	75	5					None	
14	222	5		10		80	5						cattail, reed grass	
6	224				10	59	30			1			None	
5	225					89	10			1			None	
2	227					70	30						cattail	
3	228					50	40	10					None	
4	229					60	40						None	

Totals

168

Lake Winr

Segment number	Site number	Fish (Species/Life Stage)																
		Shiner/Ad	GOEY/Juv	GOEY/Ad	WAEY/Juv	WHBA/Juv	WHBA/NS	SAUG/Juv	YEPE/Juv	YEPE/NS	EMSH/Juv	EMSH/Ad	QUBA/Juv	QUBA/NS	BLBC/Juv	BRBC/Juv	WESH/Ad	
40	203	258	1		1	36												
39	204					2		1										
40	206								2									
40	207																	
37	208					1					4							
37	209					92			3		1							
36	210						10			1				1				
35	211					250		5	8		1							
31	212												6					
28	213																	
27	214					4					7							
28	215																	
28	216A																	
25	216B																	
24	217					6		2			1	1	1		248	10		
22	218					2												
19	219					13		2			2							
19	220					11		1			4		1					
17	221					9						39						
14	222					2			6				75					
6	224				8	5		6	15		6	2					1	
5	225					8			1		560	3						
2	227																	
3	228			1	3													
4	229				14	26		3	2			3						
Totals		258	1	1	26	467	10	20	37	1	586	48	83	1	248	10	1	

**Lake Winr**

<b>Segment number</b>	<b>Site number</b>	<b>Observations/Comments</b>
40	203	scattered phytoplankton along beach
39	204	naturally eroding bank on private property, 2 schools of >50 unidentified cyprinids observed
40	206	gee traps set under dock for a soak time of 15 hours each
40	207	soak time 15.25 hours each
37	208	moderate winds, wave action moving gravel
37	209	gravel boat launch with surrounding boulders, filamentous green algae on boulders, some scattered green algae in water, eroding sand banks, LOD, shiner with parasitic flatworm
36	210	sand beach, 150 m gabion wall with 4 sets of steps, eroding sand/silt bluffs, pines, dead adult carp on beach
35	211	east end of Grand Beach park
31	212	freshwater clams abundant, gravel predominates west lake side, sand predominates east bay side
28	213	no fish, developed shoreline, eroding 50 m bank, gabion wall, groyne, dock, gee traps set in LOD
27	214	duckweed patch 20 x 10 m on lake
28	215	-
28	216A	set under dock 1.5 m
25	216B	storm damaged cattail beach ridge, Netley Beach near mouth of Broken Head River, difficult to seine due to branches and cattail stalks, lots of plastic garbage along beach
24	217	tiny white shells and pieces, LOD (cottonwood)
22	218	clam shells, bank of west channel outlet of Red River, some garbage (plastics/fabric)
19	219	public beach
19	220	15 m sand beach between public pier and rip-rap bank protection, clam shells
17	221	gravel beach, private property, cleared foreshore
14	222	Willow Creek outlet to lake, a lot of surface fish and 1 large fish feeding, speed boat at high speed out of wetland
6	224	sampled current inflow of Meleb drain, LOD complex at mouth of drain, stream mouth, productive diverse habitat and community, clay banks and clay clumps
5	225	sand beach, low eroding bank of silt and sand, no trees or shrubs, private land owned by cottage owners, road modifier, spruce sands
2	227	too rough to sample effectively, garbage, stream flowing into lake from wetland
3	228	narrow 4 m sand beach adjacent to cultivated fields, high winds/waves
4	229	public access, adjacent to drain

Totals