

PARASITES 2007 DATA P

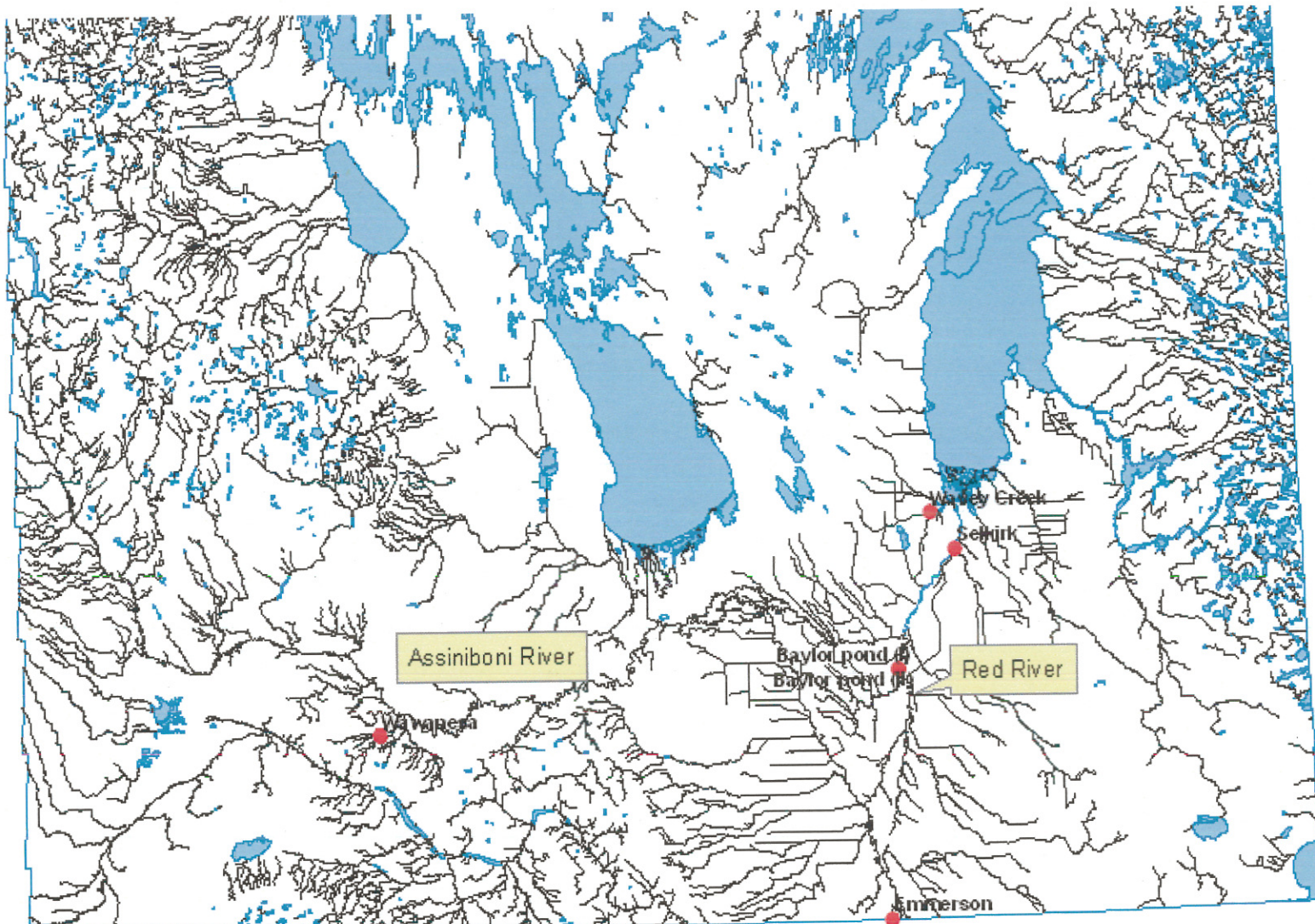


Figure 1 Devils Lake, Red River Phase (II)

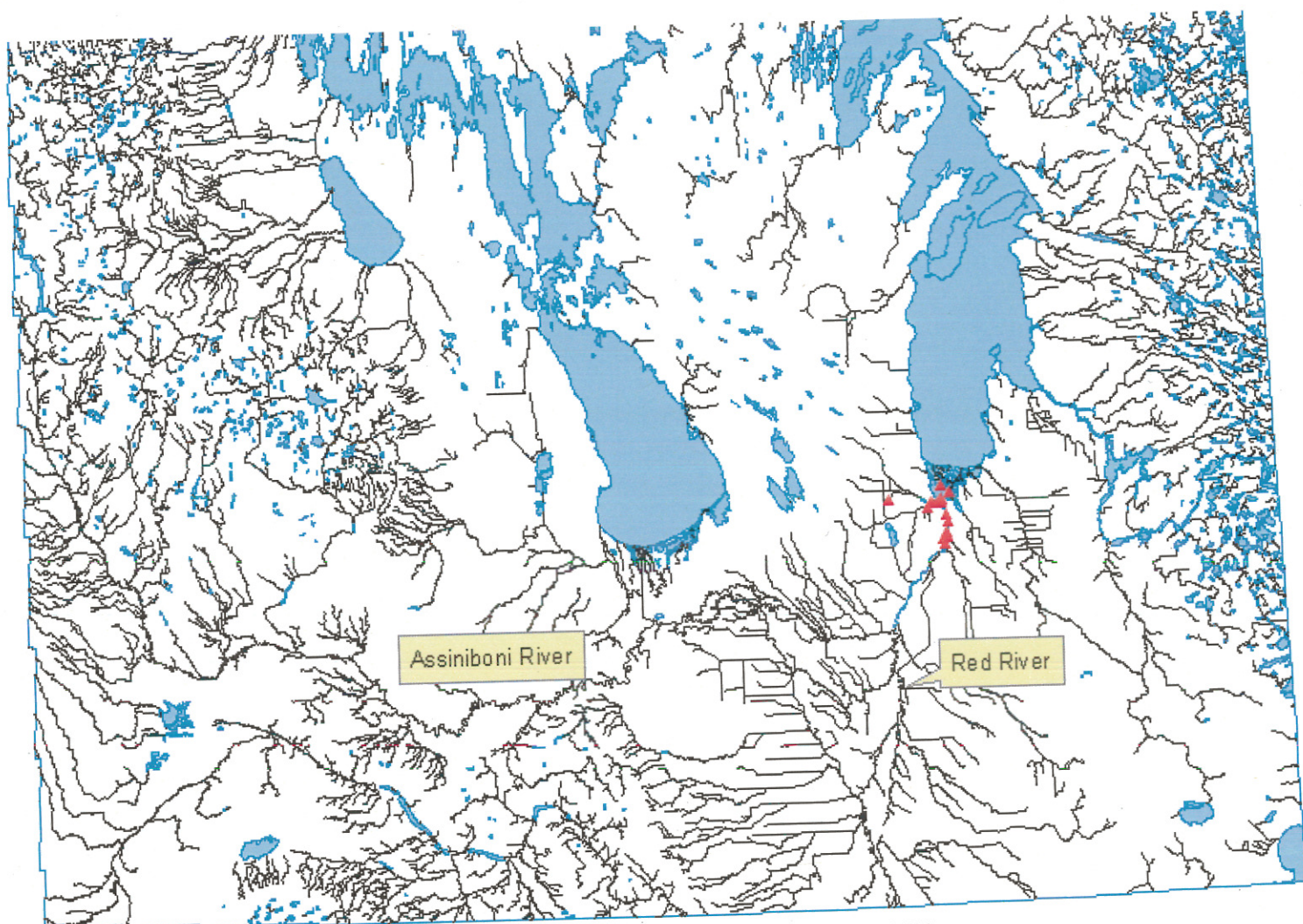


Figure 2 Devils Lake, Red River Phase (III)

Fish ID	Species	Date of capture (dd/mm/yyyy)	Location (Manitoba)	N Latitude (DD)	W Longitude (DD)	Date of necropsy (dd/mm/yyyy)	Total weight (g)	Total length (mm)	Fork length (mm)	Standard length (mm)	Age	Sex	Maturity	Gonad weight (g)	Liver weight (g)	Visceral fat weight (g)
FHMW-133	Fathead minnow	9/29/2007	Baylor Pond- II	49.78013	97.15348	21/11/2007	0.3	29	26	24			Im	0.002	0.00886	0.000
FHMW-134	Fathead minnow	9/29/2007	Baylor Pond- II	49.78013	97.15348	21/11/2007	2.7	65	58	52		F	Mature	0.199	0.02000	0.066
FHMW-135	Fathead minnow	9/29/2007	Baylor Pond- II	49.78013	97.15348	21/11/2007	0.4	35	34	31		F	Mature	0.055	0.02310	0.000
FHMW-136	Fathead minnow	9/29/2007	Baylor Pond- II	49.78013	97.15348	21/11/2007	0.4	36	34	30		M	Mature	0.001	0.01124	0.000
FHMW-137	Fathead minnow	9/29/2007	Baylor Pond- II	49.78013	97.15348	21/11/2007	1.5	53	47	42		F	Mature	0.261	0.05123	0.001
FHMW-138	Fathead minnow	9/29/2007	Baylor Pond- II	49.78013	97.15348	21/11/2007	0.2	28	26	23		F	Im	0.001	0.00100	0.000
FHMW-139	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	22/11/2007	0.4	38	35	31		F	Mature	0.022	0.01306	0.000
FHMW-140	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	22/11/2007	0.4	38	35	31		F	Mature	0.028	0.02612	0.000
FHMW-141	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	22/11/2007	0.3	37	32	29		F	Mature	0.001	0.00130	0.000
FHMW-142	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	22/11/2007	0.2	35	31	28		F	Mature	0.001	0.00121	0.000
FHMW-143	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	22/11/2007	0.5	40	36	32		F	Mature	0.023	0.01689	0.000
FHMW-144	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	22/11/2007	2.1	60	54	47		F	Mature	0.313	0.00490	0.004
FHMW-145	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	22/11/2007	0.3	35	32	29		M	Mature	0.001	0.00810	0.000
FHMW-146	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	22/11/2007	0.6	43	38	35		M	Mature	0.008	0.01210	0.001
FHMW-147	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	22/11/2007	0.1	28	25	22		F	Mature	0.001	0.00481	0.000
FHMW-148	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	22/11/2007	0.4	39	36	31		M	Mature	0.008	0.01221	0.000
FHMW-149	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	23/11/2007	0.2	35	31	28		M	Mature	0.001	0.00231	0.000
FHMW-150	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	23/11/2007	0.1	27	25	22		F	Mature	0.001	0.00121	0.000
FHMW-151	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	23/11/2007	0.3	36	32	30		F	Mature	0.009	0.00681	0.000
FHMW-152	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	23/11/2007	0.2	31	28	26		F	Mature	0.012	0.00891	0.000
FHMW-153	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	23/11/2007	0.1	25	22	20		F	Mature	0.004	0.00681	0.000
FHMW-154	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	23/11/2007	0.1	24	21	20		F	Im		0.00019	0.000
FHMW-155	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	23/11/2007	0.2	25	22	20		F	Im		0.00112	0.000
FHMW-156	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	23/11/2007	0.3	36	32	30		F	Mature	0.009	0.00668	0.000
FHMW-157	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	25/11/2007	0.1	23	21	18		F	Juvenile		0.00105	0.000
FHMW-158	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	25/11/2007	0.3	34	31	28		M	Im	0.002	0.00801	0.000
FHMW-159	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	25/11/2007	0.4	36	32	30		M	Mature	0.021	0.01210	0.001
FHMW-160	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	25/11/2007	0.1	25	23	21		F	Im	0.004	0.00223	0.000
FHMW-161	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	25/11/2007	0.3	35	33	28		F	Mature	0.002	0.00448	0.001
FHMW-162	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	25/11/2007	0.3	36	33	29		F	Mature	0.014	0.00561	0.000
FHMW-163	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	25/11/2007	0.4	40	36	31		F	Mature	0.037	0.01128	0.000
FHMW-164	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	25/11/2007	0.4	39	36	32		F	Mature	0.039	0.00205	0.000
FHMW-165	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	25/11/2007	0.1	29	27	24		Unkn	Im		0.00160	0.000
FHMW-166	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	25/11/2007	0.1	28	26	23		F	Juvenile	0.000	0.00810	0.000
FHMW-167	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	25/11/2007	0.8	46	42	37		F	Mature	0.086	0.03312	0.002
FHMW-168	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	25/11/2007	0.4	42	38	34		M	Mature	0.003	0.00560	0.001
FHMW-169	Fathead minnow	5/10/2007	Pembina/LaRiviera	49.23041	98.67562	25/11/2007	0.3	41	37	34		M	Mature	0.002	0.00412	0.063
FHMW-170	Fathead minnow	9/10/2007	Wawanesa/Souris	49.59896	99.68317	25/11/2007	0.3	38	34	30		M	Mature	0.002	0.00231	0.006
FHMW-171	Fathead minnow	9/10/2007	Wawanesa/Souris	49.59896	99.68317	25/11/2007	0.4	39	36	32		F	Mature	0.007	0.00310	0.000
FHMW-172	Fathead minnow	4/10/2007	Wawanesa	49.59896	99.68317	26/11/2007	0.5	40	37	32		M	Mature	0.006	0.01106	0.000
FHMW-173	Fathead minnow	4/11/2007	Wawanesa	49.59896	99.68317	26/11/2007	1/0/1900	43	40	35		M	Mature	0.009	0.06181	0.001
FHMW-174	Fathead minnow	4/12/2007	Wawanesa	49.59896	99.68317	26/11/2007	0.9	51	48	41		M	Mature	0.011	0.05682	0.009
FHMW-175	Fathead minnow	4/13/2007	Wawanesa	49.59896	99.68317	26/11/2007	1	49	45	40		M	Mature	0.023	0.02813	0.066

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FHMW-176	Fathead minnow	4/14/2007	Wawanesa	49.59896	99.68317	26/11/2007	0.6	46	41	37		F	Mature	0.089	0.02819	0.001
FHMW-177	Fathead minnow	4/15/2007	Wawanesa	49.59896	99.68317	26/11/2007	0.8	48	44	38		M	Mature	0.066	0.04123	0.002
FHMW-178	Fathead minnow	4/16/2007	Wawanesa	49.59896	99.68317	26/11/2007	0.5	42	38	35		F	Mature	0.033	0.03110	0.000
FHMW-179	Fathead minnow	4/17/2007	Wawanesa	49.59896	99.68317	26/11/2007	0.5	41	35	32		F	Mature	0.041	0.03112	0.000
FHMW-180	Fathead minnow	4/18/2007	Wawanesa	49.59896	99.68317	26/11/2007	0.6	48	43	38		F	Mature	0.033	0.03481	0.003
FHMW-181	Fathead minnow	4/19/2007	Wawanesa	49.59896	99.68317	26/11/2007	0.9	50	46	41		F	Mature	0.052	0.03802	0.004
FHMW-182	Fathead minnow	22/10/2007	merson (Red Rive	49.00011	97.23022	27/11/2007	0.4	39	36	31		M	Mature	0.002	0.02310	0.002
FHMW-183	Fathead minnow	22/10/2007	merson (Red Rive	49.00011	97.23022	27/11/2007	0.8	47	43	37		F	Mature	0.011	0.02106	0.000
FHMW-184	Fathead minnow	22/10/2007	merson (Red Rive	49.00011	97.23022	27/11/2007	0.2	35	32	29		F	Mature	0.069	0.03310	0.000
FHMW-185	Fathead minnow	22/10/2007	merson (Red Rive	49.00011	97.23022	27/11/2007	0.3	37	33	30		F	Mature	0.006	0.00582	0.000
FHMW-186	Fathead minnow	22/10/2007	merson (Red Rive	49.00011	97.23022	27/11/2007	0.7	56	42	32		F	Mature	0.056	0.01089	0.002
FHMW-187	Fathead minnow	22/10/2007	merson (Red Rive	49.00011	97.23022	27/11/2007	0.4	42	37	34		M	Mature	0.028	0.01112	0.000
FHMW-188	Fathead minnow	22/10/2007	merson (Red Rive	49.00011	97.23022	27/11/2007	0.4	40	37	33		F	Mature	0.049	0.02210	0.009
FHMW-189	Fathead minnow	22/10/2007	merson (Red Rive	49.00011	97.23022	27/11/2007	0.7	45	41	37		M	Mature	0.011	0.02106	0.004
FHMW-190	Fathead minnow	22/10/2007	merson (Red Rive	49.00011	97.23022	27/11/2007	0.5	41	37	34		F	Mature	0.002	0.03221	0.000
FHMW-191	Fathead minnow	22/10/2007	merson (Red Rive	49.00011	97.23022	27/11/2007	0.3	39	36	31		F	Mature	0.002	0.00183	0.000
FHMW-192	Fathead minnow	22/10/2007	merson (Red Rive	49.00011	97.23022	27/11/2007	0.7	43	40	36		M	Mature	0.007	0.02230	0.006
FHMW-193	Fathead minnow	22/10/2007	merson (Red Rive	49.00011	97.23022	27/11/2007	0.9	47	43	39		F	Mature	0.046	0.02210	0.007
FHMW-194	Fathead minnow	25/09/07	Baylor Pond- I	49.78013	97.15348	28/11/2007	0.6	41	38	34		M	Mature	0.047	0.02112	0.002
FHMW-195	Fathead minnow	25/09/07	Baylor Pond- I	49.78013	97.15348	28/11/2007	3.7	67	60	54		M	Mature	0.090	0.07819	0.023
FHMW-196	Fathead minnow	25/09/07	Baylor Pond- I	49.78013	97.15348	28/11/2007	0.3	53	49	44		F	Mature	0.059	0.03310	0.004
FHMW-197	Fathead minnow	25/09/07	Baylor Pond- I	49.78013	97.15348	28/11/2007	1.7	56	52	48		M	Mature	0.022	0.02101	0.021
FHMW-198	Fathead minnow	25/09/07	Baylor Pond- I	49.78013	97.15348	28/11/2007	2.7	62	55	49		M	Mature	0.035	0.03210	0.032
FHMW-199	Fathead minnow	25/09/07	Baylor Pond- I	49.78013	97.15348	28/11/2007	1.9	46	42	33		F	Mature	0.201	0.01201	0.089
FHMW-200	Fathead minnow	25/09/07	Baylor Pond- I	49.78013	97.15348	28/11/2007	0.5	36	33	31		F	Mature	0.035	0.02210	0.002
FHMW-201	Fathead minnow	25/09/07	Baylor Pond- I	49.78013	97.15348	28/11/2007	3.2	64	58	52		M	Mature	0.089	0.09121	0.221
FHMW-202	Fathead minnow	25/09/07	Baylor Pond- I	49.78013	97.15348	28/11/2007	0.6	37	34	30		F	Mature	0.009	0.00321	0.000
FHMW-203	Fathead minnow	25/09/07	Baylor Pond- I	49.78013	97.15348	28/11/2007	0.8	43	40	35		F	Mature	0.099	0.08110	0.001
EMSH-204	Emerald Shinner	22/10/07	merson (Red Rive	49.00011	97.23022	28/11/2007	2.2	72	65	59		F	Mature	0.081		0.000
EMSH-205	Emerald Shinner	22/10/07	merson (Red Rive	49.00011	97.23022	28/11/2007	1.7	69	63	56		Unkn				
EMSH-206	Emerald Shinner	22/10/07	merson (Red Rive	49.00011	97.23022	28/11/2007	2.2	73	67	60		Unkn				
EMSH-207	Emerald Shinner	23/10/07	Selkirk	50.15042	96.85757	29/11/2007	2.6	74	65	60		M	Mature	0.012	0.03581	0.006
EMSH-208	Emerald Shinner	23/10/07	Selkirk	50.15042	96.85757	29/11/2007	2.5	71	64	59		M	Mature	0.013	0.03780	0.000
EMSH-209	Emerald Shinner	23/10/07	Selkirk	50.15042	96.85757	29/11/2007	2.5	70	64	58		M	Mature	0.002	0.03210	0.007
EMSH-210	Emerald Shinner	23/10/07	Selkirk	50.15042	96.85757	29/11/2007	2	68	62	54		F	Mature	0.002	0.00221	0.001
EMSH-211	Emerald Shinner	23/10/07	Selkirk	50.15042	96.85757	29/11/2007	1	72	66	62		F	Mature	0.002	0.00161	0.001
EMSH-212	Emerald Shinner	23/10/07	Selkirk	50.15042	96.85757	29/11/2007	0.5	42	38	35		Unkn	Im		0.00111	0.000
EMSH-213	Emerald Shinner	23/10/07	Selkirk	50.15042	96.85757	29/11/2007	0.5	42	37	35		F	Juvenile	0.001	0.00100	0.000
EMSH-214	Emerald Shinner	23/10/07	Selkirk	50.15042	96.85757	29/11/2007	0.6	50	44	40		Unkn	Juvenile		0.00100	0.000
EMSH-215	Emerald Shinner	23/10/07	Selkirk	50.15042	96.85757	29/11/2007	2.1	68	60	54		F	Mature	0.035	0.01826	0.009
EMSH-216	Emerald Shinner	23/10/07	Selkirk	50.15042	96.85757	29/11/2007	1.3	60	55	50		F	Mature	0.019	0.01321	0.001
EMSH-217	Emerald Shinner	23/10/07	Selkirk	50.15042	96.85757	30/11/2007	2	70	64	59		F	Mature	0.034	0.01312	0.009
EMSH-218	Emerald Shinner	23/10/07	Selkirk	50.15042	96.85757	30/11/2007	2	65	58	54		M	Mature	0.023	0.04291	0.006
EMSH-219	Emerald Shinner	23/10/07	Selkirk	50.15042	96.85757	30/11/2007	0.5	46	41	38		M	Juvenile	0.000	0.00201	0.000

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EMSH-220	Emerald Shinner	23/10/07	Selkirk	50.15042	96.85757	30/11/2007	0.5	42	42	38		M	Juvenile	0.000	0.00211	0.000
EMSH-221	Emerald Shinner	23/10/07	Selkirk	50.15042	96.85757	30/11/2007	2.5	70	64	59		M	Mature	0.004	0.02130	0.000
EMSH-222	Emerald Shinner	23/10/07	Selkirk	50.15042	96.85757	30/11/2007	2.3	70	62	51		M	Mature	0.047	0.02310	0.001
EMSH-223	Emerald Shinner	23/10/07	Selkirk	50.15042	96.85757	30/11/2007	2.1	73	62	57		M	Mature	0.048	0.03810	0.002
EMSH-224	Emerald Shinner	23/10/07	Selkirk	50.15042	96.85757	30/11/2007	1.9	62	56	52		F	Mature	0.078	0.04653	0.003
EMSH-225	Emerald Shinner	23/10/07	Selkirk	50.15042	96.85757	30/11/2007	0.4	43	39	35		Unkn	Im		0.00121	0.000
EMSH-226	Emerald Shinner	23/10/07	Selkirk	50.15042	96.85757	30/11/2007	2.4	73	66	60		F	Mature	0.005	0.00629	0.007
EMSH-227	Emerald Shinner	23/10/07	Selkirk	50.15042	96.85757	30/11/2007	2.2	73	64	59		M	Mature	0.007	0.03218	0.008
EMSH-228	Emerald Shinner	23/10/07	Selkirk	50.15042	96.85757	30/11/2007	4.3	85	76	70		F	Mature	0.312	0.51060	0.106
FHMW-229	Fathead minnow	25/09/07	Baylor Pond- I	49.78013	97.15348	2/12/2007	1.2	49	44	40		F	Mature	0.041	0.00862	0.000
FHMW-230	Fathead minnow	25/09/07	Baylor Pond- I	49.78013	97.15348	2/12/2007	3.4	69	63	59		M	Mature	0.006	0.02206	0.009
FHMW-231	Fathead minnow	25/09/07	Baylor Pond- I	49.78013	97.15348	2/12/2007	1.4	54	48	44		Unkn	Im		0.02311	0.003
FHMW-232	Fathead minnow	25/09/07	Baylor Pond- I	49.78013	97.15348	2/12/2007	2.6	66	60	57		F	Mature	0.056	0.02310	0.004
FHMW-233	Fathead minnow	25/09/07	Baylor Pond- I	49.78013	97.15348	2/12/2007	2.3	65	60	56		F	Mature	0.056	0.04481	0.001
FHMW-234	Fathead minnow	25/09/07	Baylor Pond- I	49.78013	97.15348	2/12/2007	0.2	32	29	27		M	Juvenile	0.000	0.00231	0.000
FHMW-235	Fathead minnow	25/09/07	Baylor Pond- I	49.78013	97.15348	2/12/2007	0.3	33	30	27		Unkn	Im		0.00113	0.000
FHMW-236	Fathead minnow	25/09/07	Baylor Pond- I	49.78013	97.15348	2/12/2007	2.7	70	65	60		M	Mature	0.001	0.06612	0.003
FHMW-237	Fathead minnow	25/09/07	Baylor Pond- I	49.78013	97.15348	2/12/2007	0.6	43	39	36		M	Mature	0.001	0.00123	0.002
FHMW-238	Fathead minnow	25/09/07	Baylor Pond- I	49.78013	97.15348	2/12/2007	0.3	36	32	28		F	Mature	0.003	0.00428	0.002
EMSH-239	Emerald Shinner	22/10/07	Selkirk	50.15042	96.85757	2/12/2007	2.9	82	77	65		Unkn	Juvenile		0.03899	0.002
EMSH-240	Emerald Shinner	22/10/07	Selkirk	50.15042	96.85757	2/12/2007	2.9	82	77	65		M	Mature	0.002	0.03866	0.002
EMSH-241	Emerald Shinner	22/10/07	Selkirk	50.15042	96.85757	2/12/2007	2.4	73	65	60		F	Mature	0.022	0.03316	0.004
EMSH-242	Emerald Shinner	22/10/07	Selkirk	50.15042	96.85757	2/12/2007	2.1	71	65	55		F	Mature	0.001	0.00336	0.001
EMSH-243	Emerald Shinner	22/10/07	Selkirk	50.15042	96.85757	2/12/2007	2.1	68	62	57		F	Mature	0.021	0.04281	0.003
EMSH-244	Emerald Shinner	22/10/07	Selkirk	50.15042	96.85757	3/12/2007	3.2	75	68	60		M	Mature	0.002	0.02161	0.001
EMSH-245	Emerald Shinner	22/10/07	Selkirk	50.15042	96.85757	3/12/2007	0.4	37	32	30		Unkn	Im		0.00113	0.002
EMSH-246	Emerald Shinner	22/10/07	Selkirk	50.15042	96.85757	3/12/2007	2.4	72	66	59		M	Mature	0.007	0.04289	0.001
EMSH-247	Emerald Shinner	22/10/07	Selkirk	50.15042	96.85757	3/12/2007	2.2	71	63	56		M	Mature	0.002	0.03106	0.002
EMSH-248	Emerald Shinner	22/10/07	Selkirk	50.15042	96.85757	3/12/2007	0.6	46	42	37		M	Juvenile	0.000	0.02210	0.002
EMSH-249	Emerald Shinner	22/10/07	Selkirk	50.15042	96.85757	3/12/2007	0.7	44	40	35		Unkn	Im		0.00114	0.001
EMSH-250	Emerald Shinner	22/10/07	Selkirk	50.15042	96.85757	3/12/2007	0.3	39	34	30		M	Juvenile	0.001	0.00331	0.000
EMSH-251	Emerald Shinner	22/10/07	Selkirk	50.15042	96.85757	3/12/2007	2.8	76	66	60		F	Mature	0.049	0.05611	0.002
EMSH-252	Emerald Shinner	22/10/07	Selkirk	50.15042	96.85757	3/12/2007	2.8	77	66	60		M	Mature	0.007	0.04103	0.003
EMSH-253	Emerald Shinner	22/10/07	Selkirk	50.15042	96.85757	4/12/2007	2.8	75	67	60		M	Mature	0.009	0.03126	0.001
EMSH-254	Emerald Shinner	22/10/07	Selkirk	50.15042	96.85757	4/12/2007	1.4	67	57	47		F	Mature	0.013	0.02781	0.002
EMSH-255	Emerald Shinner	22/10/07	Selkirk	50.15042	96.85757	4/12/2007	2.7	71	66	60		F	Mature	0.062	0.06813	0.002
EMSH-256	Emerald Shinner	22/10/07	Selkirk	50.15042	96.85757	4/12/2007	2	68	62	55		M	Mature	0.002	0.00862	0.001
EMSH-257	Emerald Shinner	22/10/07	Selkirk	50.15042	96.85757	4/12/2007	3.1	80	70	65		F	Mature	0.033	0.04812	0.002
EMSH-258	Emerald Shinner	22/10/07	Selkirk	50.15042	96.85757	4/12/2007	0.5	42	37	35			Im		0.00113	0.000
EMSH-259	Emerald Shinner	22/10/07	Selkirk	50.15042	96.85757	4/12/2007	2.2	68	58	53		M	Mature	0.003	0.02810	0.002
EMSH-260	Emerald Shinner	22/10/07	Selkirk	50.15042	96.85757	4/12/2007	2.6	71	64	55		F	Mature	0.011	0.04210	0.009
EMSH-261	Emerald Shinner	22/10/07	Selkirk	50.15042	96.85757	4/12/2007	2.1	69	64	60		M	Mature	0.002	0.02816	0.001
EMSH-262	Emerald Shinner	22/10/07	Selkirk	50.15042	96.85757	4/12/2007	1.8	66	61	54		F	Mature	0.004	0.00628	0.000
EMSH-263	Emerald Shinner	22/10/07	Selkirk	50.15042	96.85757	4/12/2007	2.3	70	64	57		F	Mature	0.012	0.02210	0.006

Fish ID	Species	Date of capture (dd/mm/yyyy)	Location (Manitoba)	N Latitude (DD)	W Longitude (DD)	Date of necropsy (dd/mm/yyyy)	Total weight (g)	Total length (mm)	Fork length (mm)	Standard length (mm)	Age	Sex	Maturity	Gonad weight (g)	Liver weight (g)	Visceral fat weight (g)
EMSH-264	Emerald Shinner	22/10/07	Selkirk	50.15042	96.85757	4/12/2007	2	68	62	56		M	Mature	0.002	0.02210	0.000
EMSH-265	Emerald Shinner	22/10/07	Selkirk	50.15042	96.85757	5/12/2007	2.6	76	68	60		M	Mature	0.001	0.03211	0.000
EMSH-266	Emerald Shinner	22/10/07	Selkirk	50.15042	96.85757	5/12/2007	1.2	56	50	45		Unkn	Im		0.02234	0.000
EMSH-267	Emerald Shinner	22/10/07	Selkirk	50.15042	96.85757	5/12/2007	2	68	62	56		M	Mature	0.002	0.01386	0.001
EMSH-268	Emerald Shinner	22/10/07	Selkirk	50.15042	96.85757	5/12/2007	2.1	67	61	55		M	Mature	0.002	0.02831	0.001
EMSH-269	Emerald Shinner	22/10/07	Selkirk	50.15042	96.85757	5/12/2007	2.6	72	66	60		M	Mature	0.000	0.05726	0.000
EMSH-270	Emerald Shinner	22/10/07	Selkirk	50.15042	96.85757	5/12/2007	2.5	72	67	60		M	Mature	0.002	0.04118	0.000
EMSH-271	Emerald Shinner	22/10/07	Selkirk	50.15042	96.85757	5/12/2007	2.2	70	57	57		M	Mature	0.001	0.04423	0.001
EMSH-272	Emerald Shinner	22/10/07	Selkirk	50.15042	96.85757	5/12/2007	2.9	72	60	60		F	Mature	0.021	0.06623	0.002
EMSH-273	Emerald Shinner	22/10/07	Selkirk	50.15042	96.85757	5/12/2007	2.5	74	61	61		M	Mature	0.004	0.05812	0.002
EMSH-274	Emerald Shinner	22/10/07	Selkirk	50.15042	96.85757	5/12/2007	3	80	64	64		F	Mature	0.089	0.09821	0.003
EMSH-275	Emerald Shinner	22/10/07	Selkirk	50.15042	96.85757	5/12/2007	2	66	61	55		F	Mature	0.022	0.04210	0.000
EMSH-276	Emerald Shinner	22/10/07	Selkirk	50.15042	96.85757	5/12/2007	3.1	68	63	52		F	Mature	0.033	0.04481	0.000
EMSH-277	Emerald Shinner	22/10/07	Selkirk	50.15042	96.85757	6/12/2007	3.1	81	72	65		F	Mature	0.213	0.51230	0.043
EMSH-278	Emerald Shinner	22/10/07	Selkirk	50.15042	96.85757	6/12/2007	2.3	74	66	61		M	Mature	0.002	0.06821	0.002
EMSH-279	Emerald Shinner	22/10/07	Selkirk	50.15042	96.85757	6/12/2007	2.4	70	63	61		M	Mature	0.002	0.03123	0.002
EMSH-280	Emerald Shinner	22/10/07	Selkirk	50.15042	96.85757	6/12/2007	2.8	72	66	62		F	Mature	0.012	0.03128	0.028
EMSH-281	Emerald Shinner	22/10/07	Selkirk	50.15042	96.85757	6/12/2007	2.3	71	64	60		M	Mature	0.001	0.02180	0.001
CMSH-282	Common Shinner	9/10/2007	Wawanesa/Souris	49.59896	99.68317	6/12/2007	24	120	100	90		M	Mature	0.400	0.60000	0.012
CMSH-283	Common Shinner	9/10/2007	Wawanesa/Souris	49.59896	99.68317	6/12/2007	12.1	105	95	80		M	Mature	0.200	0.50000	0.090
CMSH-284	Common Shinner	9/10/2007	Wawanesa/Souris	49.59896	99.68317	6/12/2007	21	115	96	90		M	Mature	0.480	0.80000	0.100
CMSH-285	Common Shinner	9/10/2007	Wawanesa/Souris	49.59896	99.68317	6/12/2007	11.7	110	105	90		M	Mature	0.542	0.46000	0.089
CMSH-286	Common Shinner	9/10/2007	Wawanesa/Souris	49.59896	99.68317	6/12/2007	8	106	90	80		F	Mature	0.661	0.48000	0.067
CMSH-287	Common Shinner	9/10/2007	Wawanesa/Souris	49.59896	99.68317	7/12/2007	7	91	85	75		F	Mature	0.300	0.48000	0.164
CMSH-288	Common Shinner	9/10/2007	Wawanesa/Souris	49.59896	99.68317	7/12/2007	9	93	84	75		F	Mature	0.350	0.50000	0.213
CMSH-289	Common Shinner	9/10/2007	Wawanesa/Souris	49.59896	99.68317	7/12/2007	2.2	58	51	46		Unkn	Im		0.03210	0.000
CMSH-290	Common Shinner	9/10/2007	Wawanesa/Souris	49.59896	99.68317	7/12/2007	7	97	90	80		F	Mature	0.3	0.40000	0.022
CMSH-291	Common Shinner	9/10/2007	Wawanesa/Souris	49.59896	99.68317	9/12/2007	0.3	54	48	45		Unkn	Im		0.01401	0.000
FHMW-292	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	9/12/2007	0.6	56	51	46		M	Mature	0.00231	0.02210	0.001
FHMW-293	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	9/12/2007	0.3	39	35	31		F	Mature	0.01434	0.02310	0.000
FHMW-294	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	9/12/2007	0.3	38	34	30		F	Mature	0.01423	0.02213	0.000
FHMW-295	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	9/12/2007	0.8	46	41	36		M	Mature	0.002	0.02234	0.001
FHMW-296	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	9/12/2007	0.7	44	40	35		F	Mature	0.004	0.01102	0.000
FHMW-297	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	9/12/2007	0.4	41	36	31		F	Mature	0.002	0.00483	0.000
FHMW-298	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	9/12/2007	0.1	30	27	24		Unkn	Im		0.00112	0.000
FHMW-299	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	9/12/2007	0.4	39	35	33		F	Mature	0.012	0.08310	0.012
FHMW-300	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	9/12/2007	0.2	31	28	25		F	Mature	0.002	0.01213	0.000

Fish ID	Species	Date of capture (dd/mm/yyyy)	Location (Manitoba)	N Latitude (DD)	W Longitude (DD)	Gill: Ectoparasite (Gyrodactylus hoffmani)
FHMW-1	Fathead minnow	9/25/2007	Baylor Pond- I	49.78013	97.15348	
FHMW-2	Fathead minnow	9/25/2007	Baylor Pond- I	49.78013	97.15348	
FHMW-3	Fathead minnow	9/25/2007	Baylor Pond- I	49.78013	97.15348	
FHMW-4	Fathead minnow	9/25/2007	Baylor Pond- I	49.78013	97.15348	
FHMW-5	Fathead minnow	9/25/2007	Baylor Pond- I	49.78013	97.15348	
FHMW-6	Fathead minnow	9/25/2007	Baylor Pond- I	49.78013	97.15348	
FHMW-7	Fathead minnow	9/25/2007	Baylor Pond- I	49.78013	97.15348	
FHMW-8	Fathead minnow	9/25/2007	Baylor Pond- I	49.78013	97.15348	
FHMW-9	Fathead minnow	9/25/2007	Baylor Pond- I	49.78013	97.15348	
FHMW-10	Fathead minnow	9/25/2007	Baylor Pond- I	49.78013	97.15348	
FHMW-11	Fathead minnow	9/25/2007	Baylor Pond- I	49.78013	97.15348	
FHMW-12	Fathead minnow	9/25/2007	Baylor Pond- I	49.78013	97.15348	
FHMW-13	Fathead minnow	9/25/2007	Baylor Pond- I	49.78013	97.15348	
FHMW-14	Fathead minnow	9/25/2007	Baylor Pond- I	49.78013	97.15348	
FHMW-15	Fathead minnow	9/25/2007	Baylor Pond- I	49.78013	97.15348	
FHMW-16	Fathead minnow	9/25/2007	Baylor Pond- I	49.78013	97.15348	
FHMW-17	Fathead minnow	9/25/2007	Baylor Pond- I	49.78013	97.15348	
FHMW-18	Fathead minnow	9/25/2007	Baylor Pond- I	49.78013	97.15348	
FHMW-19	Fathead minnow	9/25/2007	Baylor Pond- I	49.78013	97.15348	
FHMW-20	Fathead minnow	9/25/2007	Baylor Pond- I	49.78013	97.15348	
FHMW-21	Fathead minnow	9/25/2007	Baylor Pond- I	49.78013	97.15348	
FHMW-22	Fathead minnow	9/25/2007	Baylor Pond- I	49.78013	97.15348	
FHMW-23	Fathead minnow	9/25/2007	Baylor Pond- I	49.78013	97.15348	
FHMW-24	Fathead minnow	9/25/2007	Baylor Pond- I	49.78013	97.15348	
FHMW-25	Fathead minnow	9/25/2007	Baylor Pond- I	49.78013	97.15348	
FHMW-26	Fathead minnow	9/25/2007	Baylor Pond- I	49.78013	97.15348	
FHMW-27	Fathead minnow	9/25/2007	Baylor Pond- I	49.78013	97.15348	
FHMW-28	Fathead minnow	9/25/2007	Baylor Pond- I	49.78013	97.15348	
FHMW-29	Fathead minnow	9/25/2007	Baylor Pond- I	49.78013	97.15348	
FHMW-30	Fathead minnow	9/25/2007	Baylor Pond- I	49.78013	97.15348	
FHMW-31	Fathead minnow	9/29/2007	Baylor Pond- II	49.78013	97.15348	
FHMW-32	Fathead minnow	9/29/2007	Baylor Pond- II	49.78013	97.15348	
FHMW-33	Fathead minnow	9/29/2007	Baylor Pond- II	49.78013	97.15348	
FHMW-34	Fathead minnow	9/29/2007	Baylor Pond- II	49.78013	97.15348	3.0
FHMW-35	Fathead minnow	9/29/2007	Baylor Pond- II	49.78013	97.15348	1.0
FHMW-36	Fathead minnow	9/29/2007	Baylor Pond- II	49.78013	97.15348	
FHMW-37	Fathead minnow	9/29/2007	Baylor Pond- II	49.78013	97.15348	
FHMW-38	Fathead minnow	9/29/2007	Baylor Pond- II	49.78013	97.15348	
FHMW-39	Fathead minnow	9/29/2007	Baylor Pond- II	49.78013	97.15348	4.0
FHMW-40	Fathead minnow	9/29/2007	Baylor Pond- II	49.78013	97.15348	1.0
FHMW-41	Fathead minnow	9/29/2007	Baylor Pond- II	49.78013	97.15348	
FHMW-42	Fathead minnow	9/29/2007	Baylor Pond- II	49.78013	97.15348	
FHMW-43	Fathead minnow	9/29/2007	Baylor Pond- II	49.78013	97.15348	
FHMW-44	Fathead minnow	9/29/2007	Baylor Pond- II	49.78013	97.15348	
FHMW-45	Fathead minnow	9/29/2007	Baylor Pond- II	49.78013	97.15348	
FHMW-46	Fathead minnow	9/29/2007	Baylor Pond- II	49.78013	97.15348	1.0
FHMW-47	Fathead minnow	9/29/2007	Baylor Pond- II	49.78013	97.15348	
FHMW-48	Fathead minnow	9/29/2007	Baylor Pond- II	49.78013	97.15348	
FHMW-49	Fathead minnow	9/29/2007	Baylor Pond- II	49.78013	97.15348	
FHMW-50	Fathead minnow	9/29/2007	Baylor Pond- II	49.78013	97.15348	
FHMW-51	Fathead minnow	4/10/2007	Wawanesa	49.59896	99.68317	
FHMW-52	Fathead minnow	4/10/2007	Wawanesa	49.59896	99.68317	
FHMW-53	Fathead minnow	4/10/2007	Wawanesa	49.59896	99.68317	
FHMW-54	Fathead minnow	4/10/2007	Wawanesa	49.59896	99.68317	
FHMW-55	Fathead minnow	4/10/2007	Wawanesa	49.59896	99.68317	1.0
FHMW-56	Fathead minnow	4/10/2007	Wawanesa	49.59896	99.68317	
FHMW-57	Fathead minnow	4/10/2007	Wawanesa	49.59896	99.68317	
FHMW-58	Fathead minnow	4/10/2007	Wawanesa	49.59896	99.68317	
FHMW-59	Fathead minnow	4/10/2007	Wawanesa	49.59896	99.68317	

Fish ID	Species	Date of capture (dd/mm/yyyy)	Location (Manitoba)	N Latitude (DD)	W Longitude (DD)	Ectoparasite (Gyrodactylus hoffmani)
FHMW-60	Fathead minnow	4/10/2007	Wawanesa	49.59896	99.68317	0.0
FHMW-61	Fathead minnow	4/10/2007	Wawanesa	49.59896	99.68317	0.0
FHMW-62	Fathead minnow	4/10/2007	Wawanesa	49.59896	99.68317	
FHMW-63	Fathead minnow	4/10/2007	Wawanesa	49.59896	99.68317	
FHMW-64	Fathead minnow	4/10/2007	Wawanesa	49.59896	99.68317	
FHMW-65	Fathead minnow	4/10/2007	Wawanesa	49.59896	99.68317	
FHMW-66	Fathead minnow	4/10/2007	Wawanesa	49.59896	99.68317	
FHMW-67	Fathead minnow	4/10/2007	Wawanesa	49.59896	99.68317	
FHMW-68	Fathead minnow	4/10/2007	Wawanesa	49.59896	99.68317	
FHMW-69	Fathead minnow	4/10/2007	Wawanesa	49.59896	99.68317	
FHMW-70	Fathead minnow	4/10/2007	Wawanesa	49.59896	99.68317	
FHMW-71	Fathead minnow	4/10/2007	Wawanesa	49.59896	99.68317	
FHMW-72	Fathead minnow	4/10/2007	Wawanesa	49.59896	99.68317	
FHMW-73	Fathead minnow	5/10/2007	Pembina/La Riveria	49.23041	98.67562	
SH-74	Shinners	5/10/2007	Pembina/La Riveria	49.23041	98.67562	
SH-75	Shinners	5/10/2007	Pembina/La Riveria	49.23041	98.67562	
SH-76	Shinners	5/10/2007	Pembina/La Riveria	49.23041	98.67562	
SH-77	Shinners	5/10/2007	Pembina/La Riveria	49.23041	98.67562	
SH-78	Shinners	5/10/2007	Pembina/La Riveria	49.23041	98.67562	
SH-79	Shinners	5/10/2007	Pembina/La Riveria	49.23041	98.67562	
SH-80	Shinners	5/10/2007	Pembina/La Riveria	49.23041	98.67562	
SH-81	Shinners	5/10/2007	Pembina/La Riveria	49.23041	98.67562	
SH-82	Shinners	5/10/2007	Pembina/La Riveria	49.23041	98.67562	
SH-83	Shinners	5/10/2007	Pembina/La Riveria	49.23041	98.67562	
SH-84	Shinners	5/10/2007	Pembina/La Riveria	49.23041	98.67562	
SH-85	Shinners	5/10/2007	Pembina/La Riveria	49.23041	98.67562	
SH-86	Shinners	5/10/2007	Pembina/La Riveria	49.23041	98.67562	
SH-87	Shinners	5/10/2007	Pembina/La Riveria	49.23041	98.67562	
SH-88	Shinners	5/10/2007	Pembina/La Riveria	49.23041	98.67562	
SH-89	Shinners	5/10/2007	Pembina/La Riveria	49.23041	98.67562	
SH-90	Shinners	5/10/2007	Pembina/La Riveria	49.23041	98.67562	
SH-91	Shinners	5/10/2007	Pembina/La Riveria	49.23041	98.67562	
SH-92	Shinners	5/10/2007	Pembina/La Riveria	49.23041	98.67562	
SH-93	Shinners	5/10/2007	Pembina/La Riveria	49.23041	98.67562	
SH-94	Shinners	5/10/2007	Pembina/La Riveria	49.23041	98.67562	
SH-95	Shinners	5/10/2007	Pembina/La Riveria	49.23041	98.67562	
SH-96	Shinners	5/10/2007	Pembina/La Riveria	49.23041	98.67562	
SH-97	Shinners	5/10/2007	Pembina/La Riveria	49.23041	98.67562	
SH-98	Shinners	5/10/2007	Pembina/La Riveria	49.23041	98.67562	
SH-99	Shinners	5/10/2007	Pembina/La Riveria	49.23041	98.67562	
SH-100	Shinners	5/10/2007	Pembina/La Riveria	49.23041	98.67562	
SH-101	Shinners	5/10/2007	Pembina/La Riveria	49.23041	98.67562	
SH-102	Shinners	5/10/2007	Pembina/La Riveria	49.23041	98.67562	
SH-103	Shinners	5/10/2007	Pembina/La Riveria	49.23041	98.67562	
CMSH-104	Common Shinner	9/10/2007	Wawanesa (Souris River)	49.59896	99.68317	
CMSH-105	Common Shinner	9/10/2007	Wawanesa (Souris River)	49.59896	99.68317	
CMSH-106	Common Shinner	9/10/2007	Wawanesa (Souris River)	49.59896	99.68317	
CMSH-107	Common Shinner	9/10/2007	Wawanesa (Souris River)	49.59896	99.68317	
CMSH-108	Common Shinner	9/10/2007	Wawanesa (Souris River)	49.59896	99.68317	
CMSH-109	Common Shinner	9/10/2007	Wawanesa (Souris River)	49.59896	99.68317	
CMSH-110	Common Shinner	9/10/2007	Wawanesa (Souris River)	49.59896	99.68317	
CMSH-111	Common Shinner	9/10/2007	Wawanesa (Souris River)	49.59896	99.68317	
CMSH-112	Common Shinner	9/10/2007	Wawanesa (Souris River)	49.59896	99.68317	
CMSH-113	Common Shinner	9/10/2007	Wawanesa (Souris River)	49.59896	99.68317	
FHMW-114	Fathead minnow	9/10/2007	Wawanesa (Souris River)	49.59896	99.68317	
FHMW-115	Fathead minnow	9/10/2007	Wawanesa (Souris River)	49.59896	99.68317	
FHMW-116	Fathead minnow	22/10/2007	Baylor Pond- I	49.78013	97.15348	
FHMW-117	Fathead minnow	22/10/2007	Baylor Pond- I	49.78013	97.15348	2.0
FHMW-118	Fathead minnow	22/10/2007	Baylor Pond- I	49.78013	97.15348	

Fish ID	Species	Date of capture (dd/mm/yyyy)	Location (Manitoba)	N Latitude (DD)	W Longitude (DD)	Ecoparasite (Gyrodactylus hoffmanal)
FHMW-119	Fathead minnow	22/10/2007	Baylor Pond-I	49.78013	97.15348	
FHMW-120	Fathead minnow	22/10/2007	Baylor Pond-I	49.78013	97.15348	1.0
FHMW-121	Fathead minnow	22/10/2007	Baylor Pond-I	49.78013	97.15348	
FHMW-122	Fathead minnow	22/10/2007	Baylor Pond-I	49.78013	97.15348	
FHMW-123	Fathead minnow	22/10/2007	Baylor Pond-I	49.78013	97.15348	
FHMW-124	Fathead minnow	22/10/2007	Baylor Pond-I	49.78013	97.15348	
FHMW-125	Fathead minnow	22/10/2007	Baylor Pond-I	49.78013	97.15348	
FHMW-126	Fathead minnow	22/10/2007	Baylor Pond-I	49.78013	97.15348	
FHMW-127	Fathead minnow	22/10/2007	Baylor Pond-I	49.78013	97.15348	
FHMW-128	Fathead minnow	22/10/2007	Baylor Pond-I	49.78013	97.15348	1.0
FHMW-129	Fathead minnow	22/10/2007	Baylor Pond-I	49.78013	97.15348	
FHMW-130	Fathead minnow	22/10/2007	Baylor Pond-I	49.78013	97.15348	
FHMW-131	Fathead minnow	22/10/2007	Baylor Pond-I	49.78013	97.15348	
FHMW-132	Fathead minnow	22/10/2007	Baylor Pond-I	49.78013	97.15348	
FHMW-133	Fathead minnow	22/10/2007	Baylor Pond-I	49.78013	97.15348	
FHMW-134	Fathead minnow	22/10/2007	Baylor Pond-I	49.78013	97.15348	
FHMW-135	Fathead minnow	22/10/2007	Baylor Pond-I	49.78013	97.15348	
FHMW-136	Fathead minnow	22/10/2007	Baylor Pond-I	49.78013	97.15348	
FHMW-137	Fathead minnow	22/10/2007	Baylor Pond-I	49.78013	97.15348	
FHMW-138	Fathead minnow	22/10/2007	Baylor Pond-I	49.78013	97.15348	
FHMW-139	Fathead minnow	22/10/2007	Baylor Pond-I	49.78013	97.15348	
FHMW-140	Fathead minnow	22/10/2007	Baylor Pond-I	49.78013	97.15348	
FHMW-141	Fathead minnow	22/10/2007	Baylor Pond-I	49.78013	97.15348	
FHMW-142	Fathead minnow	22/10/2007	Baylor Pond-I	49.78013	97.15348	2.0
FHMW-143	Fathead minnow	22/10/2007	Baylor Pond-I	49.78013	97.15348	
FHMW-144	Fathead minnow	22/10/2007	Baylor Pond-I	49.78013	97.15348	
FHMW-145	Fathead minnow	22/10/2007	Baylor Pond-I	49.78013	97.15348	
FHMW-146	Fathead minnow	22/10/2007	Baylor Pond-II	49.78013	97.15348	3.0
FHMW-147	Fathead minnow	22/10/2007	Baylor Pond-II	49.78013	97.15348	
FHMW-148	Fathead minnow	22/10/2007	Baylor Pond-II	49.78013	97.15348	
FHMW-149	Fathead minnow	22/10/2007	Baylor Pond-II	49.78013	97.15348	
FHMW-150	Fathead minnow	22/10/2007	Baylor Pond-II	49.78013	97.15348	3.0
FHMW-151	Fathead minnow	22/10/2007	Baylor Pond-II	49.78013	97.15348	
FHMW-152	Fathead minnow	22/10/2007	Baylor Pond-II	49.78013	97.15348	
FHMW-153	Fathead minnow	22/10/2007	Baylor Pond-II	49.78013	97.15348	1.0
FHMW-154	Fathead minnow	22/10/2007	Baylor Pond-II	49.78013	97.15348	
FHMW-155	Fathead minnow	22/10/2007	Baylor Pond-II	49.78013	97.15348	
FHMW-156	Fathead minnow	22/10/2007	Baylor Pond-II	49.78013	97.15348	
FHMW-157	Fathead minnow	22/10/2007	Baylor Pond-II	49.78013	97.15348	
FHMW-158	Fathead minnow	22/10/2007	Baylor Pond-II	49.78013	97.15348	1.0
FHMW-159	Fathead minnow	22/10/2007	Baylor Pond-II	49.78013	97.15348	
FHMW-160	Fathead minnow	22/10/2007	Baylor Pond-II	49.78013	97.15348	
FHMW-161	Fathead minnow	22/10/2007	Baylor Pond-II	49.78013	97.15348	
FHMW-162	Fathead minnow	22/10/2007	Baylor Pond-II	49.78013	97.15348	1.0
FHMW-163	Fathead minnow	22/10/2007	Baylor Pond-II	49.78013	97.15348	1.0
FHMW-164	Fathead minnow	22/10/2007	Baylor Pond-II	49.78013	97.15348	
FHMW-165	Fathead minnow	22/10/2007	Baylor Pond-II	49.78013	97.15348	
FHMW-166	Fathead minnow	22/10/2007	Baylor Pond-II	49.78013	97.15348	
FHMW-167	Fathead minnow	22/10/2007	Baylor Pond-II	49.78013	97.15348	1.0
FHMW-168	Fathead minnow	22/10/2007	Baylor Pond-II	49.78013	97.15348	
FHMW-169	Fathead minnow	22/10/2007	Baylor Pond-II	49.78013	97.15348	
FHMW-170	Fathead minnow	22/10/2007	Baylor Pond-II	49.78013	97.15348	
FHMW-171	Fathead minnow	22/10/2007	Baylor Pond-II	49.78013	97.15348	1.0
FHMW-172	Fathead minnow	22/10/2007	Baylor Pond-II	49.78013	97.15348	2.0
FHMW-173	Fathead minnow	22/10/2007	Baylor Pond-II	49.78013	97.15348	
FHMW-174	Fathead minnow	22/10/2007	Baylor Pond-II	49.78013	97.15348	
FHMW-175	Fathead minnow	22/10/2007	Baylor Pond-II	49.78013	97.15348	
FHMW-176	Fathead minnow	22/10/2007	Baylor Pond-II	49.78013	97.15348	
FHMW-177	Fathead minnow	22/10/2007	Baylor Pond-II	49.78013	97.15348	

Fish ID	Species	Date of capture (dd/mm/yyyy)	Location (Manitoba)	N Latitude (DD)	W Longitude (DD)	Ectoparasite (Gyrodactylus hoffmani)
FHMW-178	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	1.0
FHMW-179	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	
FHMW-180	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	
FHMW-181	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	3.0
FHMW-182	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	
FHMW-183	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	2.0
FHMW-184	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	
FHMW-185	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	
FHMW-186	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	2.0
FHMW-187	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	
FHMW-188	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	
FHMW-189	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	
FHMW-190	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	
FHMW-191	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	
FHMW-192	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	1.0
FHMW-193	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	
FHMW-194	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	
FHMW-195	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	
FHMW-196	Fathead minnow	22/10/2007	Baylor Pond- II	49.78013	97.15348	
FHMW-197	Fathead minnow	22/10/2007	Emerson (Red River)	49.00011	97.23022	2.0
FHMW-198	Fathead minnow	22/10/2007	Emerson (Red River)	49.00011	97.23022	
FHMW-199	Fathead minnow	22/10/2007	Emerson (Red River)	49.00011	97.23022	
FHMW-200	Fathead minnow	22/10/2007	Emerson (Red River)	49.00011	97.23022	1.0
FHMW-201	Fathead minnow	22/10/2007	Emerson (Red River)	49.00011	97.23022	
FHMW-202	Fathead minnow	22/10/2007	Emerson (Red River)	49.00011	97.23022	
FHMW-203	Fathead minnow	22/10/2007	Emerson (Red River)	49.00011	97.23022	
FHMW-204	Fathead minnow	22/10/2007	Emerson (Red River)	49.00011	97.23022	
FHMW-205	Fathead minnow	22/10/2007	Emerson (Red River)	49.00011	97.23022	
FHMW-206	Fathead minnow	22/10/2007	Emerson (Red River)	49.00011	97.23022	
FHMW-207	Fathead minnow	22/10/2007	Emerson (Red River)	49.00011	97.23022	
FHMW-208	Fathead minnow	22/10/2007	Emerson (Red River)	49.00011	97.23022	
FHMW-209	Fathead minnow	22/10/2007	Emerson (Red River)	49.00011	97.23022	
FHMW-210	Fathead minnow	22/10/2007	Emerson (Red River)	49.00011	97.23022	1.0
FHMW-211	Fathead minnow	22/10/2007	Emerson (Red River)	49.00011	97.23022	
FHMW-212	Fathead minnow	22/10/2007	Emerson (Red River)	49.00011	97.23022	
FHMW-213	Fathead minnow	22/10/2007	Emerson (Red River)	49.00011	97.23022	
FHMW-214	Fathead minnow	22/10/2007	Emerson (Red River)	49.00011	97.23022	
FHMW-215	Fathead minnow	22/10/2007	Emerson (Red River)	49.00011	97.23022	
FHMW-216	Fathead minnow	22/10/2007	Emerson (Red River)	49.00011	97.23022	
FHMW-217	Fathead minnow	22/10/2007	Emerson (Red River)	49.00011	97.23022	
FHMW-218	Fathead minnow	22/10/2007	Emerson (Red River)	49.00011	97.23022	
FHMW-219	Fathead minnow	22/10/2007	Baylor Pond -II	49.78013	97.15348	2.0
FHMW-220	Fathead minnow	22/10/2007	Baylor Pond -II	49.78013	97.15348	
FHMW-221	Fathead minnow	22/10/2007	Baylor Pond -II	49.78013	97.15348	2.0
FHMW-222	Fathead minnow	22/10/2007	Baylor Pond -II	49.78013	97.15348	
FHMW-223	Fathead minnow	22/10/2007	Baylor Pond -II	49.78013	97.15348	
FHMW-224	Fathead minnow	22/10/2007	Baylor Pond -II	49.78013	97.15348	
FHMW-225	Fathead minnow	22/10/2007	Baylor Pond -II	49.78013	97.15348	
FHMW-226	Fathead minnow	22/10/2007	Baylor Pond -II	49.78013	97.15348	
FHMW-227	Fathead minnow	22/10/2007	Baylor Pond -II	49.78013	97.15348	2.0
FHMW-228	Fathead minnow	22/10/2007	Baylor Pond -II	49.78013	97.15348	
FHMW-229	Fathead minnow	22/10/2007	Baylor Pond -II	49.78013	97.15348	
EMSH-230	Emerald Shinner	23/10/2007	Emerson (Red River)	49.00011	97.23022	
EMSH-231	Emerald Shinner	22/10/2007	Emerson (Red River)	49.00011	97.23022	
EMSH-232	Emerald Shinner	22/10/2007	Emerson (Red River)	49.00011	97.23022	
EMSH-233	Emerald Shinner	23/10/2007	Selkirk/Netley/Red	50.15042	96.85757	
EMSH-234	Emerald Shinner	23/10/2007	Selkirk/Netley/Red	50.15042	96.85757	
EMSH-235	Emerald Shinner	23/10/2007	Selkirk/Netley/Red	50.15042	96.85757	
EMSH-236	Emerald Shinner	23/10/2007	Selkirk/Netley/Red	50.15042	96.85757	

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Fish ID	Species	Date of capture (dd/mm/yyyy)	Location (Manitoba)	N Latitude (DD)	W Longitude (DD)	Ectoparasite (Gyrodactylus hoffmani)
EMSH-296	Emerald Shinner	23/10/2007	Selkirk/Netley/Red	50.15042	96.85757	
EMSH-297	Emerald Shinner	23/10/2007	Selkirk/Netley/Red	50.15042	96.85757	
FHMW-298	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	5.0
FHMW-299	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	5.0
FHMW-300	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	1.0
FHMW-301	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	3.0
FHMW-302	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	1.0
FHMW-303	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	3.0
FHMW-304	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	1.0
FHMW-305	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	3.0
FHMW-306	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	
FHMW-307	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	
FHMW-308	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	1.0
FHMW-309	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	1.0
FHMW-310	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	4.0
FHMW-311	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	1.0
FHMW-312	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	
FHMW-313	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	1.0
FHMW-314	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	1.0
FHMW-315	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	2.0
FHMW-316	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	
FHMW-317	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	9.0
FHMW-318	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	1.0
FHMW-319	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	
FHMW-320	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	
FHMW-321	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	1.0
FHMW-322	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	
FHMW-323	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	
FHMW-324	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	2.0
FHMW-325	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	2.0
FHMW-326	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	9.0
FHMW-327	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	2.0
FHMW-328	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	8.0
FHMW-329	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	2.0
FHMW-330	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	11.0
FHMW-331	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	1.0
FHMW-332	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	
FHMW-333	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	2.0
FHMW-334	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	
FHMW-335	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	
FHMW-336	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	2.0
FHMW-337	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	
FHMW-338	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	8.0
FHMW-339	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	2.0
FHMW-340	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	3.0
FHMW-341	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	
FHMW-342	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	2.0
FHMW-343	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	
FHMW-344	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	5.0
FHMW-345	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	2.0
FHMW-346	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	
FHMW-347	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	
FHMW-348	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	1.0
FHMW-349	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	
FHMW-350	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	
FHMW-351	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	
FHMW-352	Fathead minnow	26/10/2007	Wavey Creek	50.26567	97.97504	1.0