

TABLE 1. EURASIAN WATER-MILFOIL SURVEY OF KANGAROO LAKE -- 2006

Point	Latitude		Longitude		EWM Density	PLANT	DEPTH	BOTTOM CHARA.
	Degrees	Minutes	Degrees	Minutes				
1	45	0.96273	87	9.33182	0	--	1	Rock
2	45	0.96462	87	9.40788	0	--	1	
3	45	0.96652	87	9.48393	0	--	1	
4	45	0.96841	87	9.55999	0	--	1	Rock
5	45	0.97030	87	9.63604	0	--	1	Rock
6	45	0.97219	87	9.71210	0	--	1	Rock
7	45	0.97409	87	9.78815	0	--	1	
8	45	1.01667	87	9.32915	0	--	1.5	Rock
9	45	1.01857	87	9.40520	0	--	4	Rock
10	45	1.02046	87	9.48126	0	C	5	
11	45	1.02235	87	9.55732	0	C, P	5	
12	45	1.02425	87	9.63337	0	C	5	
13	45	1.02614	87	9.70943	0	--	5	
14	45	1.02803	87	9.78549	0	C	3.5	
15	45	1.06682	87	9.17436	0	--	1	Rock
16	45	1.06872	87	9.25042	0	--	1	Rock
17	45	1.07061	87	9.32647	0	--	4	Rock
18	45	1.07251	87	9.40253	0	C	5	
19	45	1.07441	87	9.47859	0	C	5	
20	45	1.07630	87	9.55465	0	C	5	
21	45	1.07819	87	9.63070	0	--	5.5	
22	45	1.08008	87	9.70676	0	P	5	
23	45	1.08198	87	9.78282	0	--	1	
24	45	1.12077	87	9.17169	0	--	4.5	Rock
25	45	1.12266	87	9.24774	0	--	6	
26	45	1.12456	87	9.32380	0	C	6	
27	45	1.12645	87	9.39986	0	C	5.5	
28	45	1.12835	87	9.47592	0	C	5.5	
29	45	1.13024	87	9.55198	0	B, C	6	
30	45	1.13214	87	9.62804	0	C	5.5	
31	45	1.13403	87	9.70409	0	--	5	
32	45	1.13592	87	9.78015	0	C	4	
33	45	1.13781	87	9.85621	0	--	4	Rock
34	45	1.17281	87	9.09295	0	--	1	
35	45	1.17471	87	9.16901	0	--	6	Rock
36	45	1.17661	87	9.24507	0	--	6.5	
37	45	1.17850	87	9.32113	0	C	6.5	Sand

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Rock 12
Sand 1

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38	45	1.18040	87	9.39719	0	C	6	
39	45	1.18229	87	9.47325	0	C	6	
40	45	1.18419	87	9.54931	0	C	6	
41	45	1.18608	87	9.62537	0	--	6	
42	45	1.18797	87	9.70143	0	B, C	5.5	
43	45	1.18987	87	9.77749	0	B	4.5	
44	45	1.19176	87	9.85355	0	--	1.5	
45	45	1.22486	87	9.01421	0	--	2.5	Rock
46	45	1.22676	87	9.09027	0	B	6	
47	45	1.22866	87	9.16633	0	C	6.5	
48	45	1.23055	87	9.24239	0	B	7	
49	45	1.23245	87	9.31846	0	C	7	
50	45	1.23434	87	9.39452	0	C	7	
51	45	1.23624	87	9.47058	0	C	5.5	
52	45	1.23813	87	9.54664	0	B, C	6.5	
53	45	1.24003	87	9.62270	0	B, C	6.5	
54	45	1.24192	87	9.69876	0	C	6	
55	45	1.24381	87	9.77482	0	--	2	
56	45	1.24570	87	9.85088	0	--	2	Rock
57	45	1.24759	87	9.92694	0	--	1.5	Sand
58	45	1.27880	87	9.01154	0	--	2	Sand
59	45	1.28070	87	9.08760	0	--	6	
60	45	1.28260	87	9.16366	0	B	6.5	
61	45	1.28450	87	9.23972	0	B, C	7.5	
62	45	1.28639	87	9.31578	0	C	7.5	
63	45	1.28829	87	9.39184	0	C	7.5	
64	45	1.29018	87	9.46791	0	C	7	
65	45	1.29208	87	9.54397	0	C, P	7	
66	45	1.29397	87	9.62003	0	C	7	
67	45	1.29586	87	9.69609	0	C	6.5	
68	45	1.29776	87	9.77215	0	--	0.5	Rock
69	45	1.29965	87	9.84822	0	--	1.5	Sand
70	45	1.30154	87	9.92428	shore 0	--	2	
71	45	1.33085	87	8.93280	shore 0	--	0.5	
72	45	1.33275	87	9.00886	0	C	5	Sand
73	45	1.33465	87	9.08492	0	B	6	
74	45	1.33654	87	9.16098	0	B, P	7	
75	45	1.33844	87	9.23705	0	--	8	
76	45	1.34034	87	9.31311	0	C	8	

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77	45	1.34223	87	9.38917	0	C	7.5	
78	45	1.34413	87	9.46523	0	B, C	7	
79	45	1.34602	87	9.54130	0	A	7	
80	45	1.34792	87	9.61736	0	C	8.5	
81	45	1.34981	87	9.69342	0	C	7	
82	45	1.35170	87	9.76949	0	C	6	
83	45	1.35359	87	9.84555	0	C	4.5	
84	45	1.35548	87	9.92162	0	-	2	
85	45	1.38669	87	9.00618	0	C	4	
86	45	1.38859	87	9.08224	0	C	5	
87	45	1.39049	87	9.15831	0	--	7	
88	45	1.39239	87	9.23437	0	C	9	
89	45	1.39428	87	9.31043	0	C	10	
90	45	1.39618	87	9.38650	0	C	10	
91	45	1.39807	87	9.46256	0	--	9	
92	45	1.39997	87	9.53863	0	C	9	
93	45	1.40186	87	9.61469	0	C	9	
94	45	1.40375	87	9.69076	0	C	6	
95	45	1.40565	87	9.76682	0	C	4	
96	45	1.40754	87	9.84289	0	C	3	
97	45	1.40943	87	9.91895	0	--	2	
98	45	1.44064	87	9.00350	0	C	2	Sand
99	45	1.44254	87	9.07957	0	C	5	
100	45	1.44443	87	9.15563	0	--	5	
101	45	1.44633	87	9.23170	0	--	8	
102	45	1.44823	87	9.30776	0	B, C	10	
103	45	1.44918	87	9.34579	0	A	10	
104	45	1.45012	87	9.38383	0	A, N, C	9	
105	45	1.45107	87	9.42186	0	C	9	
106	45	1.45202	87	9.45989	0	C	9	
107	45	1.45297	87	9.49792	0	N	9	
108	45	1.45391	87	9.53596	0	N	8	
109	45	1.45486	87	9.57399	1	C	7	
110	45	1.45581	87	9.61202	0	C, N	9	
111	45	1.45675	87	9.65006	0	C, N, B	8.5	
112	45	1.45770	87	9.68809	0	-	8	
113	45	1.45959	87	9.76415	0	C	8	
114	45	1.46148	87	9.84022	0	-	5	
115	45	1.46337	87	9.91629	0	C	4	

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116	45	1.47520	87	9.30642	0	A, NB	9.5	Rock Sand
117	45	1.47615	87	9.34446	0	A, NB	11	
118	45	1.47710	87	9.38249	3	-	9	
119	45	1.47804	87	9.42052	2	A	9	
120	45	1.47899	87	9.45856	0	C, B	9	
121	45	1.47994	87	9.49659	0	C, B, N	9	
122	45	1.48089	87	9.53462	0	B, P, N	7	
123	45	1.48183	87	9.57265	1	CNPB	6.5	
124	45	1.48278	87	9.61069	0	C, N	10	
125	45	1.48373	87	9.64872	0	C, N	9	
126	45	1.48467	87	9.68675	0	C	8	
127	45	1.49458	87	9.00082	shore 0			
128	45	1.49648	87	9.07689	0	-	5	
129	45	1.49838	87	9.15295	0	-	8	
130	45	1.50028	87	9.22902	0	C, N	9	
131	45	1.50217	87	9.30509	0	C	10	
132	45	1.50312	87	9.34312	0	C, N	11	
133	45	1.50407	87	9.38115	0	N	11	
134	45	1.50502	87	9.41919	2	B	9	
135	45	1.50596	87	9.45722	0	-	10	
136	45	1.50691	87	9.49525	2	P	9	
137	45	1.50786	87	9.53329	0	P, N	8	
138	45	1.50880	87	9.57132	0	C, PB	7	
139	45	1.50975	87	9.60935	0	C, B	10	
140	45	1.51070	87	9.64739	0	C	9.5	
141	45	1.51164	87	9.68542	0	C, B	10	
142	45	1.51354	87	9.76149	0	C	8	
143	45	1.51543	87	9.83756	0	C	5	
144	45	1.51732	87	9.91362	0	B, PC	3	
145	45	1.52915	87	9.30375	0	N, CP	10	
146	45	1.53009	87	9.34178	0	N, B	11	
147	45	1.53104	87	9.37982	2	-	11	
148	45	1.53199	87	9.41785	1	N	9.5	
149	45	1.53294	87	9.45588	3	B	10	
150	45	1.53388	87	9.49392	0	N	9	
151	45	1.53483	87	9.53195	0	N	7.5	
152	45	1.53578	87	9.56998	0	N, C	7.5	
153	45	1.53672	87	9.60802	0	C	9.5	
154	45	1.53767	87	9.64605	0	C	9.5	

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EMW 2006

155	45	1.53862	87	9.68409	0	C, B	8.5	Sand
156	45	1.55042	87	9.07421	0	-	2	
157	45	1.55232	87	9.15028	0	C	7	
158	45	1.55422	87	9.22634	0	C	9	
159	45	1.55612	87	9.30241	0	-	10	
160	45	1.55707	87	9.34045	0	-	10.5	
161	45	1.55801	87	9.37848	1	-	11	
162	45	1.55896	87	9.41651	3	P	10	
163	45	1.55991	87	9.45455	1	B	11	
164	45	1.56086	87	9.49258	1	N, P	8.5	
165	45	1.56180	87	9.53062	0	N	8	
166	45	1.56275	87	9.56865	0	N	8	
167	45	1.56370	87	9.60668	0	N	8	
168	45	1.56464	87	9.64472	0	B, C	10	
169	45	1.56559	87	9.68275	0	N	9	
170	45	1.56748	87	9.75882	0	N	8	
171	45	1.56937	87	9.83489	0	P, N C	7	
172	45	1.57126	87	9.91096	0	-	4	
173	45	1.58309	87	9.30108	0	N	10	
174	45	1.58404	87	9.33911	1	N	11	
175	45	1.58499	87	9.37714	0	N	11.5	
176	45	1.58593	87	9.41518	3	-	11.5	
177	45	1.58688	87	9.45321	2	-	9.5	
178	45	1.58783	87	9.49125	3	-	9	
179	45	1.58877	87	9.52928	0	B, N P	7	
180	45	1.58972	87	9.56731	0	N, C P	6.5	
181	45	1.59067	87	9.60535	0	C, B	9	
182	45	1.59162	87	9.64338	0	N, C	9.5	
183	45	1.59256	87	9.68142	0	C	8	
184	45	1.60437	87	9.07153	0	--	2	
185	45	1.60627	87	9.14760	0	--	6	
186	45	1.60817	87	9.22367	0	C	8	
187	45	1.61006	87	9.29974	0	B	10	
188	45	1.61101	87	9.33777	0	P, B	10.5	
189	45	1.61196	87	9.37581	0	N	12	
190	45	1.61291	87	9.41384	3	--	11	
191	45	1.61385	87	9.45188	0	P	10	
192	45	1.61480	87	9.48991	3	B	8	
193	45	1.61575	87	9.52795	1	N, C	6	

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EWM

2006

194	45	1.61669	87	9.56598	0	N	8	Rock
195	45	1.61764	87	9.60401	0	N	9	
196	45	1.61859	87	9.64205	1	C, B	9	
197	45	1.61953	87	9.68008	0	C	8	
198	45	1.62143	87	9.75615	0	N	6	
199	45	1.62332	87	9.83222	0	B, N	5	
200	45	1.62521	87	9.90829	0	C	3	
201	45	1.63703	87	9.29840	0	CN	9.5	
202	45	1.63798	87	9.33644	0	P, N, B	10.5	
203	45	1.63893	87	9.37447	3	--	11.5	
204	45	1.63988	87	9.41251	3	--	11.5	
205	45	1.64083	87	9.45054	1	--	10	
206	45	1.64177	87	9.48858	3	--	8.5	
207	45	1.64272	87	9.52661	0	P, N	7	
208	45	1.64367	87	9.56465	0	P, N	7.5	
209	45	1.64461	87	9.60268	0	N	9	
210	45	1.64556	87	9.64071	0	P, N	9	
211	45	1.64651	87	9.67875	0	N	8.5	
212	45	1.65831	87	9.06885	0	--	5	
213	45	1.66021	87	9.14492	0	--	6	
214	45	1.66211	87	9.22099	0	--	8	
215	45	1.66401	87	9.29706	0	N	10	
216	45	1.66495	87	9.33510	0	P, C, N, A	10	
217	45	1.66590	87	9.37313	0	--	10	
218	45	1.66685	87	9.41117	3	--	12	
219	45	1.66780	87	9.44920	1	N, P	9	
220	45	1.66875	87	9.48724	2	P, B	7	
221	45	1.66969	87	9.52527	0	N	7	
222	45	1.67064	87	9.56331	1	N, C, P, B	7	
223	45	1.67159	87	9.60135	0	N, P	9	
224	45	1.67253	87	9.63938	1	N, P	9	
225	45	1.67348	87	9.67742	0	N, P	10	
226	45	1.67537	87	9.75349	0	N, C	8	
227	45	1.67726	87	9.82956	0	C	7	
228	45	1.67915	87	9.90563	0	C	3	
229	45	1.68104	87	9.98170	shore 0			Rock
230	45	1.69098	87	9.29573	0	C	9	
231	45	1.69193	87	9.33376	0	N, P	10	
232	45	1.69287	87	9.37180	1	P, A	11	

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EWM

2006

233	45	1.69382	87	9.40983	1	B	11.5	
234	45	1.69477	87	9.44787	3	B, P	8	
235	45	1.69572	87	9.48590	0	B, N, P	7	
236	45	1.69666	87	9.52394	0	B, N, P	6	
237	45	1.69761	87	9.56197	3	P	7	
238	45	1.69856	87	9.60001	0	C, N	9	
239	45	1.69950	87	9.63805	1	C, P, N	8.5	
240	45	1.70045	87	9.67608	0	N	9	
241	45	1.71036	87	8.99011	shore 0			
242	45	1.71226	87	9.06618	0	C	3	
243	45	1.71416	87	9.14225	0	--	8	
244	45	1.71605	87	9.21832	0	B, N	9	
245	45	1.71795	87	9.29439	0	C	9	
246	45	1.71890	87	9.33242	0	C, A	10	
247	45	1.71985	87	9.37046	0	N, B	11	
248	45	1.72080	87	9.40850	2	--	11	
249	45	1.72174	87	9.44653	1	B	8	
250	45	1.72269	87	9.48457	0	C, B, N	6.5	
251	45	1.72364	87	9.52260	3	--	7.5	
252	45	1.72458	87	9.56064	0	NCPBI	7	
253	45	1.72553	87	9.59868	0	N, C, P	9	
254	45	1.72648	87	9.63671	0	C	9	
255	45	1.72742	87	9.67475	0	N, P, B	9	
256	45	1.72932	87	9.75082	0	C	8	
257	45	1.73121	87	9.82689	0	N	7	
258	45	1.73310	87	9.90296	0	C, B	7	
259	45	1.73499	87	9.97904	0	--	1	Sand
260	45	1.74492	87	9.29305	0	N	8	
261	45	1.74587	87	9.33109	0	N	9	
262	45	1.74682	87	9.36912	1	P, B	11	
263	45	1.74777	87	9.40716	0	N, P	11	
264	45	1.74871	87	9.44520	0	--	8	
265	45	1.74966	87	9.48323	0	N	6.5	
266	45	1.75061	87	9.52127	0	P, N, B	6.5	
267	45	1.75156	87	9.55930	0	N	7	
268	45	1.75250	87	9.59734	0	N	8	
269	45	1.75345	87	9.63538	0	N	9	
270	45	1.75440	87	9.67341	0	N, P	9	
271	45	1.76430	87	8.98743	0	--	3.5	Rock

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ELM

2006

272	45	1.76620	87	9.06350	0	--	7	Rock
273	45	1.76810	87	9.13957	0	--	8	
274	45	1.77000	87	9.21564	0	P, N, B	8	
275	45	1.77190	87	9.29171	0	--	6	
276	45	1.77284	87	9.32975	0	N	8.5	
277	45	1.77379	87	9.36779	0	C, N	9	
278	45	1.77474	87	9.40582	0	--	10.5	
279	45	1.77569	87	9.44386	1	N	7	
280	45	1.77663	87	9.48190	0	C, N, P	6	
281	45	1.77758	87	9.51993	2	--	7	
282	45	1.77853	87	9.55797	0	N, P	7	
283	45	1.77948	87	9.59601	0	N	9	
284	45	1.78042	87	9.63404	0	N, P	9	
285	45	1.78137	87	9.67208	0	N	9	
286	45	1.78326	87	9.74815	0	C, P, B	8	
287	45	1.78515	87	9.82422	0	N	8	
288	45	1.78704	87	9.90030	0	C, B	7	
289	45	1.78893	87	9.97637	0	--	3.5	Sand Rock
290	45	1.79887	87	9.29038	0	--	4.5	
291	45	1.79982	87	9.32841	0	N	8	
292	45	1.80076	87	9.36645	0	N	8	
293	45	1.80171	87	9.40449	0	N	10	
294	45	1.80266	87	9.44252	0	N	8.5	
295	45	1.80361	87	9.48056	0	N, P, B	5.5	
296	45	1.80455	87	9.51860	0	N, P	6	
297	45	1.80550	87	9.55663	0	N	7	
298	45	1.80645	87	9.59467	0	C, N, P	8.5	
299	45	1.80739	87	9.63271	2	N	7.5	
300	45	1.80834	87	9.67074	0	P, N, B	9	
301	45	1.81825	87	8.98475	0	--	4	Rock
302	45	1.82015	87	9.06082	0	--	7	
303	45	1.82205	87	9.13689	0	C	7	
304	45	1.82394	87	9.21297	0	C, P	8	
305	45	1.82584	87	9.28904	0	--	7	Rock
306	45	1.82679	87	9.32708	0	N	8	
307	45	1.82774	87	9.36511	0	C, N, B	8	
308	45	1.82868	87	9.40315	0	N	9	
309	45	1.82963	87	9.44119	1	P	10	
310	45	1.83058	87	9.47922	0	N, P	6	

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Ewm

2006

311	45	1.83153	87	9.51726	0	P, N	7	
312	45	1.83247	87	9.55530	0	N	6.5	
313	45	1.83342	87	9.59334	0	C	8	
314	45	1.83437	87	9.63137	0	N	9	
315	45	1.83531	87	9.66941	0	C, B	9	
316	45	1.83721	87	9.74548	0	C	8	
317	45	1.83910	87	9.82156	0	C	8	
318	45	1.84099	87	9.89763	0	C	7	
319	45	1.84288	87	9.97371	0	--	1	
320	45	1.85281	87	9.28770	0	C, N, A	7.5	
321	45	1.85376	87	9.32574	0	--	7	Rock
322	45	1.85471	87	9.36378	0	C	8	
323	45	1.85566	87	9.40181	0	N	8.5	
324	45	1.85660	87	9.43985	0	N	9.5	
325	45	1.85755	87	9.47789	1	N	6.5	
326	45	1.85850	87	9.51593	1	N	6	
327	45	1.85945	87	9.55396	1	C, N, B	7	
328	45	1.86039	87	9.59200	0	C, N	8	
329	45	1.86134	87	9.63004	0	C, N	9	
330	45	1.86229	87	9.66807	0	C	8.5	
331	45	1.87219	87	8.98207	0	--	3	Rock
332	45	1.87409	87	9.05814	0	A	8	
333	45	1.87599	87	9.13422	0	C	9	
334	45	1.87789	87	9.21029	0	C	8	
335	45	1.87978	87	9.28637	0	C, B	8	
336	45	1.88073	87	9.32440	0	C, B	8	
337	45	1.88168	87	9.36244	0	C	8	
338	45	1.88263	87	9.40048	0	N	8	
339	45	1.88358	87	9.43851	0	P	9	
340	45	1.88452	87	9.47655	1	P I	8	
341	45	1.88547	87	9.51459	1	C, P	5	
342	45	1.88642	87	9.55263	0	C, P, B	7.5	
343	45	1.88737	87	9.59067	0	C	9.5	
344	45	1.88831	87	9.62870	0	C, N	9	
345	45	1.88926	87	9.66674	0	C	9.5	
346	45	1.89115	87	9.74282	0	C, B, P	8	
347	45	1.89304	87	9.81889	0	N, P, B	8	
348	45	1.89493	87	9.89497	0	C	6	
349	45	1.89682	87	9.97104	0	C	4	

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350	45	1.92614	87	8.97939	0	--	2	
351	45	1.92804	87	9.05546	0	A	7	
352	45	1.92993	87	9.13154	0	A	8	
353	45	1.93183	87	9.20761	0	C	8	
354	45	1.93373	87	9.28369	0	C	8	
355	45	1.93563	87	9.35977	0	C	8	
356	45	1.93752	87	9.43584	0	C	9	
357	45	1.93942	87	9.51192	0	C, P	6	
358	45	1.94131	87	9.58800	0	N	9	
359	45	1.94320	87	9.66407	0	N, B, P	10	
360	45	1.94510	87	9.74015	0	C	8	
361	45	1.94699	87	9.81622	0	C	8	
362	45	1.94888	87	9.89230	0	C, P	6	
363	45	1.95077	87	9.96838	3	near crib	4	
364	45	1.98198	87	9.05278	0	C	7	Sand
365	45	1.98388	87	9.12886	0	--	8	
366	45	1.98578	87	9.20494	0	C, B	8	
367	45	1.98767	87	9.28101	0	C, B	8	
368	45	1.98957	87	9.35709	0	C	8	
369	45	1.99147	87	9.43317	0	C, B	7	
370	45	1.99336	87	9.50925	0	N	8	
371	45	1.99525	87	9.58532	0	C, N	9	
372	45	1.99715	87	9.66140	0	C, N	10	
373	45	1.99904	87	9.73748	0	C, B	8	
374	45	2.00093	87	9.81356	0	N	8	
375	45	2.00282	87	9.88964	0	A	6	Gravel
376	45	2.00471	87	9.96571	0	C	5	Sand
377	45	2.03592	87	9.05010	0	--	5	Rock
378	45	2.03782	87	9.12618	0	C	8	
379	45	2.03972	87	9.20226	0	C, N, B	9	
380	45	2.04162	87	9.27834	0	C, B	8	
381	45	2.04351	87	9.35442	0	C, B	7	
382	45	2.04541	87	9.43050	0	C	7	Rock
383	45	2.04731	87	9.50658	0	C, B	8	
384	45	2.04920	87	9.58265	1	C, B	8	
385	45	2.05109	87	9.65873	1	C, B, N	9	
386	45	2.05299	87	9.73481	1	C, P	8	
387	45	2.05488	87	9.81089	0	CBNPI	6.5	
388	45	2.05677	87	9.88697	0	C, B	7	

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389	45	2.05866	87	9.96305	0	--	3	
390	45	2.08987	87	9.04743	0	--	5	Rock
391	45	2.09177	87	9.12351	0	C, A	7	Rock
392	45	2.09367	87	9.19958	0	C, A	8	
393	45	2.09556	87	9.27566	0	C, N, B	8	
394	45	2.09746	87	9.35174	0	C, P, B	8	
395	45	2.09936	87	9.42782	0	C	8	
396	45	2.10125	87	9.50390	0	C	8	
397	45	2.10314	87	9.57998	0	C, B	8	
398	45	2.10504	87	9.65606	0	C, N	8.5	
399	45	2.10693	87	9.73214	0	C, B	8	
400	45	2.10882	87	9.80822	0	C, B	7	
401	45	2.11071	87	9.88430	0	C	7	
402	45	2.11260	87	9.96039	0	C	4	Rock
403	45	2.14381	87	9.04475	0	--	2.5	
404	45	2.14571	87	9.12083	0	A	7	
405	45	2.14761	87	9.19691	0	C, B	8	
406	45	2.14951	87	9.27299	0	C	8	
407	45	2.15140	87	9.34907	0	C, P	8	
408	45	2.15330	87	9.42515	0	C, B	7	
409	45	2.15520	87	9.50123	0	C, P	8	
410	45	2.15709	87	9.57731	0	C, B	8	
411	45	2.15898	87	9.65339	0	C, B, N	8	
412	45	2.16087	87	9.72948	0	C	8	
413	45	2.16277	87	9.80556	0	C, B	6	
414	45	2.16466	87	9.88164	0	C, B	6.5	
415	45	2.16655	87	9.95772	0	--	4	Sand
416	45	2.19966	87	9.11815	0	--	2.5	Rock
417	45	2.20155	87	9.19423	0	--	4.5	Rock
418	45	2.20345	87	9.27031	0	C, B	8	
419	45	2.20535	87	9.34639	0	C	8	
420	45	2.20724	87	9.42248	0	C, N	8	
421	45	2.20914	87	9.49856	0	C, B	8	
422	45	2.21103	87	9.57464	0	C, B	8	
423	45	2.21293	87	9.65072	0	C, N, B	7.5	
424	45	2.21482	87	9.72681	0	C, B	7.5	
425	45	2.21671	87	9.80289	0	C	7	
426	45	2.21860	87	9.87897	0	N, A	5.5	
427	45	2.22049	87	9.95506	0	--	4.5	Sand

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428	45	2.25550	87	9.19155	0	--	5	
429	45	2.25740	87	9.26764	0	C, A	7.5	
430	45	2.25929	87	9.34372	0	C, B	8	
431	45	2.26119	87	9.41980	0	C, B	8	
432	45	2.26308	87	9.49589	0	C, B	7.5	
433	45	2.26498	87	9.57197	0	A	7	
434	45	2.26687	87	9.64805	0	C	7	
435	45	2.26876	87	9.72414	0	C, B	7	
436	45	2.27066	87	9.80022	0	C, B, P	7	
437	45	2.27255	87	9.87631	0	C, A	7	
438	45	2.27444	87	9.95239	0	--	2	Sand
439	45	2.30944	87	9.18888	0	C	6.5	
440	45	2.31134	87	9.26496	0	C, A	7.5	
441	45	2.31324	87	9.34105	0	C, B	8	
442	45	2.31513	87	9.41713	0	C	7.5	
443	45	2.31703	87	9.49321	0	C, B	7	
444	45	2.31892	87	9.56930	0	--	7.5	
445	45	2.32082	87	9.64538	0	A	7	
446	45	2.32271	87	9.72147	0	C, A	7	
447	45	2.32460	87	9.79755	0	C, B	7	
448	45	2.32649	87	9.87364	0	C, N, A	6	
449	45	2.32838	87	9.94973	0	--	2	Gravel
450	45	2.36339	87	9.18620	0	--	6	Rock
451	45	2.36529	87	9.26229	0	C	7.5	
452	45	2.36718	87	9.33837	0	C	7.5	
453	45	2.36908	87	9.41446	0	C	7.5	
454	45	2.37097	87	9.49054	0	A	6	Gravel
455	45	2.37665	87	9.71880	1	C	7	
456	45	2.37855	87	9.79489	0	C, P	6.5	
457	45	2.38044	87	9.87097	0	C, A	5	
458	45	2.38233	87	9.94706	0	--	1.5	
459	45	2.41733	87	9.18352	0	C, B	8	Sand
460	45	2.41923	87	9.25961	0	C, B, A	7.5	
461	45	2.42113	87	9.33570	0	C	7.5	
462	45	2.42302	87	9.41178	0	C, N, P	7.5	
463	45	2.42492	87	9.48787	0	C, A	6	
464	45	2.43060	87	9.71613	0	C, P	6	
465	45	2.43249	87	9.79222	0	C, B	7	
466	45	2.43438	87	9.86831	0	C, B, A	6	

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467	45	2.43627	87	9.94439	0	C	4.5	
468	45	2.46938	87	9.10476	0	--	2	
469	45	2.47128	87	9.18084	0	C, B	6	
470	45	2.47317	87	9.25693	0	P, N, B	7	
471	45	2.47507	87	9.33302	0	C, B	8	
472	45	2.47697	87	9.40911	0	C, B	7	
473	45	2.47886	87	9.48520	0	C	6	
474	45	2.48454	87	9.71346	0	C	5	
475	45	2.48644	87	9.78955	0	C, A	6.5	
476	45	2.48833	87	9.86564	0	C, B	6	
477	45	2.49022	87	9.94173	0	C	1	
478	45	2.52332	87	9.10208	0	C	4	
479	45	2.52522	87	9.17817	0	--	2	
480	45	2.52712	87	9.25426	0	--	4	
481	45	2.52902	87	9.33035	0	C, P, B	6.5	
482	45	2.53091	87	9.40643	0	C	6.5	
483	45	2.53281	87	9.48252	0	C	6	
484	45	2.53470	87	9.55861	0	N	4	
485	45	2.53849	87	9.71079	0	C, P, B	5	
486	45	2.54038	87	9.78688	0	C, P, B	6.5	
487	45	2.54227	87	9.86297	0	A	6	
488	45	2.54416	87	9.93906	0	C, B	4	
489	45	2.57537	87	9.02331	0	bayou	1	Sand
490	45	2.57727	87	9.09940	0	C	4	
491	45	2.58296	87	9.32767	0	A	5	
492	45	2.58486	87	9.40376	0	C, A	6	
493	45	2.58675	87	9.47985	0	C	5.5	
494	45	2.58865	87	9.55594	0	C	4.5	
495	45	2.59054	87	9.63203	0	C, B, A	4	
496	45	2.59243	87	9.70812	0	C, P, A	5	
497	45	2.59433	87	9.78422	0	C, N, A	6.5	
498	45	2.59622	87	9.86031	0	C, B	6.5	
499	45	2.59811	87	9.93640	0	B, P	4	
500	45	2.62931	87	9.02063	0	bayou --	1.5	Sand
501	45	2.63121	87	9.09672	0	C, bayou	2	Sand
502	45	2.63691	87	9.32499	0	--	2	Sand
503	45	2.63880	87	9.40109	0	C, P, N	5	Sand
504	45	2.64070	87	9.47718	0	C, P	5	
505	45	2.64259	87	9.55327	0	C, P, N	4.5	

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506	45	2.64449	87	9.62936	0	C, A	4.5	Rock
507	45	2.64638	87	9.70545	0	C	5	
508	45	2.64827	87	9.78155	0	C, N, A	6	
509	45	2.65016	87	9.85764	0	A	6.5	
510	45	2.65205	87	9.93373	0	C, A	4	
511	45	2.69464	87	9.47451	0	C	4	
512	45	2.69654	87	9.55060	0	C, A	4.5	
513	45	2.69843	87	9.62669	0	C	4.5	
514	45	2.70032	87	9.70278	0	C, P	5	
515	45	2.70222	87	9.77888	0	C, B	5.5	
516	45	2.70411	87	9.85497	0	--	4.5	
517	45	2.70600	87	9.93107	0	C, N	3.5	
518	45	2.75048	87	9.54793	0	C, P	4	
519	45	2.75237	87	9.62402	0	C, A	4.5	
520	45	2.75427	87	9.70011	0	C, A	5	
521	45	2.75616	87	9.77621	0	C	5	
522	45	2.75805	87	9.85230	0	--	3	
523	45	2.75994	87	9.92840	0	C, B	2.5	
524	45	2.80443	87	9.54525	0	P	3	
525	45	2.80632	87	9.62135	0	C	4.5	
526	45	2.80821	87	9.69744	0	C	5	
527	45	2.81010	87	9.77354	0	C, P, B	4.5	
528	45	2.86026	87	9.61868	0	N, B	5	
529	45	2.86216	87	9.69477	2	B, E	5	
530	45	2.86405	87	9.77087	0	C, B	5	

Plants:

A = Alga, Dichotomosiphon tuberosus

B = Bladderwort, Utricularia vulgaris

C = Chara, sp., Chara, Muskgrass

E = Eel-grass, Vallisneria Americana

N = Naiad, Najas flexilis

P = Pondweed, sp.,

Pl = Pondweed, Large-leaf pondweed

-- = None

Bottom Character

Marl (all unmarked)

Sand

Gravel

Rock

EWM Density:

0 = none present.

1 = a few EWM plants on rake.

2 = about one-half of rake covered with EWM plants.

3 = more than one-half of rake covered with EWM plants.