



Wisconsin Public Service Corporation

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April 20, 2009

FERC Project No. 2433

Ms. Kimberly D. Bose, Secretary
The Federal Energy Regulatory Commission
888 First Street NE
Washington, DC 20426

Dear Secretary Bose:

Grand Rapids Hydroelectric (FERC Project No. 2433) Exotic Species Survey

As per the Order Amending Approved Noxious Plants Monitoring Plans dated May 10, 1999, Wisconsin Public Service Corporation (WPS) is required to submit the results of the purple loosestrife and Eurasian water milfoil (EWM) 2008 surveys.

In a letter dated October 29, 2008 sent to the Federal Energy Regulatory Commission (FERC), WPS indicated that the 2008 EWM survey data results would be provided to the FERC prior to April 25, 2009.

Appendix A contains the data results of the EWM survey completed on July 15, 2008.

Should you have any questions relative to this material, please do not hesitate to contact James Nuthals at (920) 433-1460.

Sincerely,

A handwritten signature in black ink that reads 'T. Jensky'.

Terry P. Jensky
Vice President - Energy Supply Operations
Telephone: (920) 433-2900

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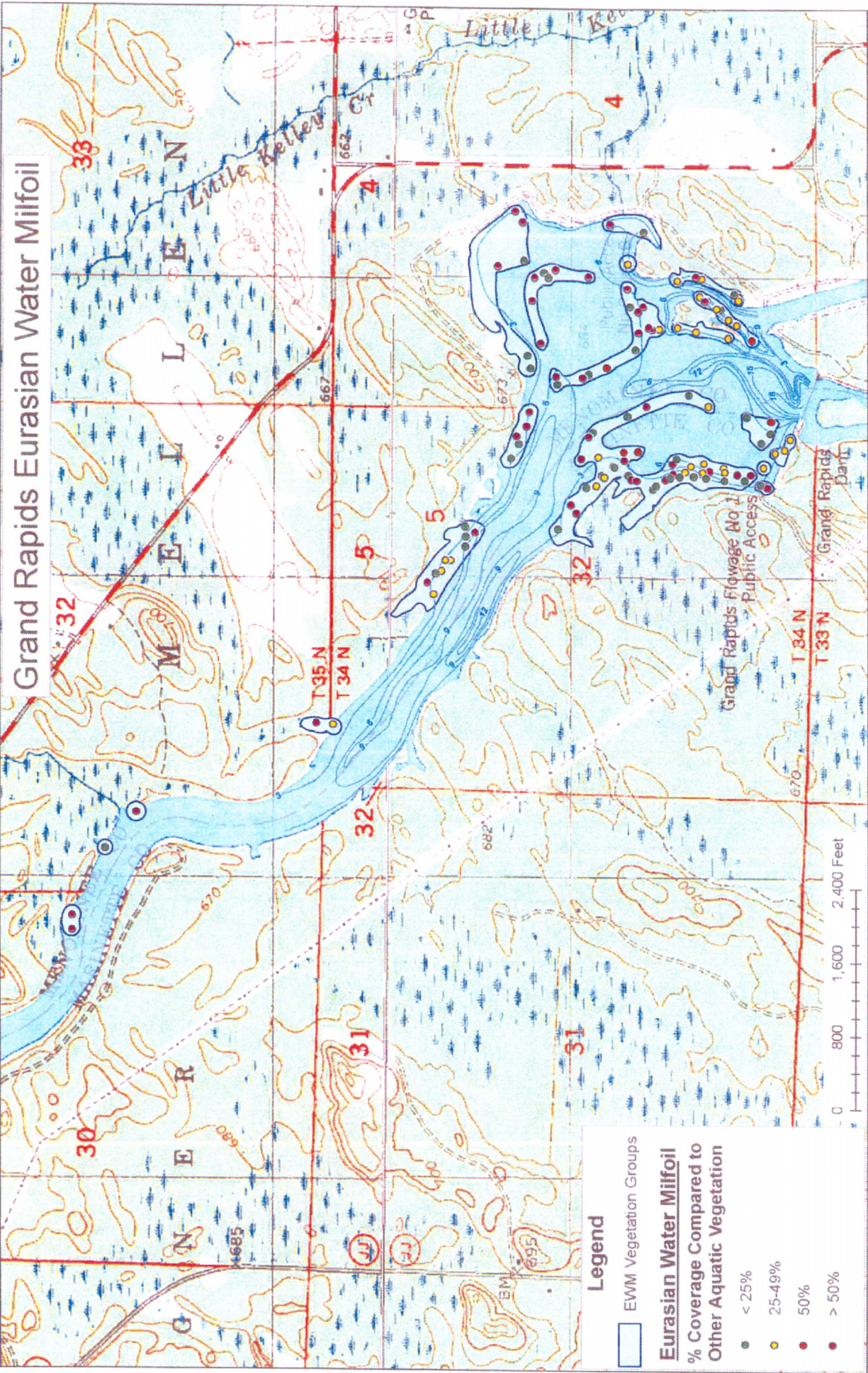
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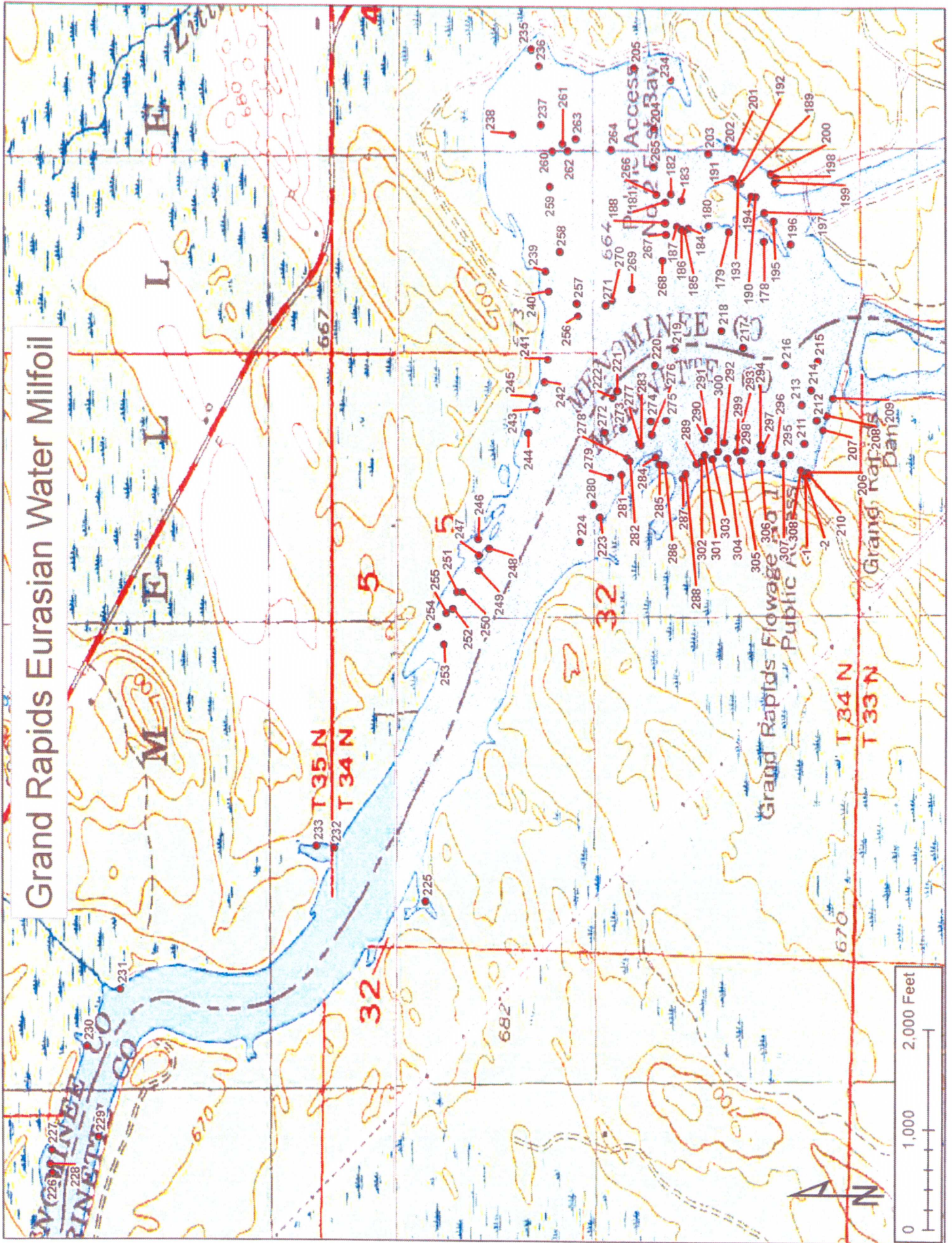
cc: Ms. Carlisa Linton, FERC - DC
Mr. Bruce Crocker, WPS - D2
Mr. Mike Henderson, WPS - CRI
Ms. Patricia Grant, FERC - Chicago

Mr. Gil Snyder, WPS - D2
Ms. Joan Johanek, WPS - D2
Mr. Howard Giesler, WPS - PUL

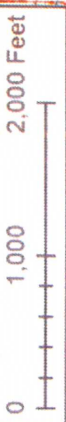
APPENDIX A

2008 EWM SURVEY DATA RESULTS





Grand Rapids Eurasian Water Milfoil



2008 EWM Labels & Notes

Label	Depth	Notes/Species	EWM % Coverage
178	5.3	Coontail, Eelgrass, EWM scattered throughout	Scattered, less 50
179	2.0	2.0 to 5.3 feet EWM scattered throughout, Coontail, Eelgrass	Scattered, less 50
180	2.2	curly leafed pondweed, EWM, Eelgrass, lily pads	Scattered, less 50
181	5.4	EWM in main area, North tip is loaded with Coontail	Heavy in area greater 50
182	5.2	EWM	Heavy in area greater 50
183	4.1	Coontail, Eelgrass,	No EWM
184	5.8	EWM not dominant, Eelgrass and Coontail Present	Scattered, less 50
185	3.9	Coontail	No EWM
186	2.4	EWM dominant throughout, Coontail scattered	Heavy in area greater 50
187	3.1	EWM dominant throughout, Coontail scattered	Heavy in area greater 50
188		Extent of major EWM	End of EWM
189		1 EWM plant	End of EWM
190		1 EWM plant	End of EWM
191		Scattered EWM, Eelgrass dominant	Scattered, less 50
192	1.2	EWM dominant close to shore	Heavy in area greater 50
193	1.1	EWM dominant close to shore	Heavy in area greater 50
194	1.5	EWM scattered, Pondweed Dominant	Scattered, less 50
195		EWM scattered, Pondweed Dominant	Scattered, less 50
196	2.9	EWM 50% with Coontail and Eelgrass	50% cover
197	2.2	Scattered EWM, Eelgrass dominant	Scattered, less 50
198	1.9	EWM 50% with Coontail and Eelgrass	50% cover
199	1.5	Scattered EWM, Eelgrass dominant	Scattered, less 50
200	1.5	2 EWM plants	2 plants
201	2.1	EWM scattered	Scattered, less 50
202	2.2	Dominant EWM patch 20 sq f then 1/2 pondweed, Coontail	Scattered, more 50
203	3.7	1 plant EWM - scattered	Scattered, less 50
204	2.1	EWM starts, scattered with Pondweed and Coontail	Scattered, less 50
205	4.0	EWM dominant	Heavy in area greater 50
206	2.0	EWM scattered with spatterdock, coontail and pondweed	Scattered, less 50
207	6.0	End of EWM	
208	2.9	EWM scattered with spatterdock	Scattered, less 50
209	2.8	EWM scattered with spatterdock	Scattered, less 50
210	2.2	EWM 1/2 to 3/4 dominant, with spatterdock and coontail	Scattered, more 50
211		Inside curve, EWM scattered	Scattered, less 50
212		Coontail, Eelgrass, EWM scattered	Scattered, less 50
213		Curve east	Scattered, less 25
214	6.0	Curve east, sparse, Eelgrass dominant	Scattered, less 25
215		EWM 1/2 with Eelgrass	50
216	2.1	EWM scattered, Elodea and Eelgrass dominant	Scattered, less 25
217	4.5	1/2 EWM	Scattered, 50
218		Eelgrass, Coontail dominant, EWM scattered	Scattered, less 25
219	2.3	EWM dominant, Coontail scattered	Heavy in area greater 50
220	2.2	Coontail dominant, some EWM	Scattered, less 25
221	2.3	Coontail dominant, some EWM	Scattered, less 25
222	2.2	EWM dominant	Heavy in area greater 50
223	2.6	EWM transitions from dominant to less with elodea and Eelgrass	Scattered, more 50
224	2.5	one EWM plant	
225	0.0	Thought was Lake Cress, no just lily pads	
226	2.6	EWM dominant, with lily pads	Heavy in area greater 50
227		EWM dominant	Heavy in area greater 50
228		End of EWM	
229		Note, not aquatic plant related	
230		EWM highly scattered, Eelgrass lily pads heavy	Scattered, less 25
231	2.4	EWM scattered	Scattered, more 50
232		EWM scattered, possible hybrid. Pondweed dominant	Scattered, less 50
233	2.8	Dominant EWM whole cove, expect mouth	Heavy in area greater 50
234		EWM, curlyleafed pondweed, eelgrass and coontail	Scattered, less 25
235	4.2	Scattered to dense EWM	Scattered, more 50
236		Dominant EWM species	Heavy in area greater 50
237	4.2	EWM, spatterdock, eelgrass and coontail	Scattered less 25
238	2.9	EWM dominant, spatterdock and coontail	Scattered, more 50
239		1 EWM plant	
240		EWM sparse, Curly leaf ponded weed	Scattered, less 25
241	3.4	Dominant EWM	Heavy in area greater 50
242	3.0	EWM transitions from dominant to Coontail	Scattered, more 50

243	2.6 Scattered EWM, more Coontail	Scattered, less 25
244	1.9 Less EWM than lily pads, out on margins	Scattered, less 25
245	2.1 More EWM	Scattered, more 50
246	EWM sparse	Scattered less 25
247	2.5 EWM sparse, Curly leaf ponded weed and eelgrass	Scattered less 25
248	2.0 More EWM than Eelgrass	Scattered, more 50
249	Sparing EWM more as head northward	Scattered, less 25
250	5.0 Sparing EWM more as head northward, Eelgrass dominant	Scattered, less 50
251	4.0 Sparing EWM more as head northward, Eelgrass dominant	Scattered, less 50
252	4.0 1/3 EWM	Scattered, less 50
253	Curly leafed pondweed, EWM 1/3	Scattered, less 50
254	3.4 Very dense EWM	Heavy in area greater 50
255	5.0 Thinned EWM out	Scattered, less 25
256	EWM sparse	Scattered, less 25
257	3.5 Heavy matting right off of island	Heavy in area greater 50
258	2.9 Heavy matting right off of island	Heavy in area greater 50
259	2.9 Heavy matting right off of island, more eelgrass	Heavy in area greater 50
260	4.7 Less EWM, but heavy in some areas, more eelgrass	Heavy in area greater 50
261	2.3 Heavy coontail, some EWM	Scattered, less 25
262	Coontail dominant, some EWM	Scattered, less 25
263	Some EWM outliners that are dominant	Heavy in area greater 50
264	5.0 Some EWM outliners that are dominant	Heavy in area greater 50
265	4.5 Some EWM outliners that are dominant. But less	Heavy in area greater 50
266	4.4 Coontail dominant, some EWM	Scattered less 25
267	6.5 EWM dominant, some Coontail	Heavy in area greater 50
268	3.8 EWM less, Eelgrass dominant	Scattered less 25
269	3.1 1/2 EWM	50 % Cover
270	3.0 A few plants at tip of Island	Scattered less 25
271	Heavy EWM	Heavy in area greater 50
272	20 feet on either side of shoreline	Heavy in area greater 50
273	1.8 1/3 EWM, Coontail dominants	Scattered, than 50
274	50% EWM	50 % Cover
275	50% EWM	50 % Cover
276	2.8 EWM heavy	Heavy in area greater 50
277	On borders EWM heavy	Heavy in area greater 50
278	2.8 Elodea, Pondweed, Coontail, Lily pads, less EWM	Scattered, less 25
279	2.8 Algae matts, some lily pads, little EWM	Scattered, less 25
280	2.9 Algae matts, some lily pads, EWM dominants	Heavy in area greater 50
281	3.6 EWM borders on right side, less	Scattered, less 50
282	3.6 EWM borders on right side, less	Scattered, less 50
283	3.4 Western extent, less EWM	Scattered, less 25
284	1.8 Eelgrass, Coontail dominant, EWM scattered	Scattered, less 25
285	EWM dominant	Heavy in area greater 50
286	EWM dominant	Heavy in area greater 50
287	Eelgrass, Coontail dominant, EWM scattered 1/4	Scattered, 25
288	Eelgrass, Coontail dominant, EWM scattered 1/4	Scattered, 25
289	EWM Dominant	Heavy in area greater 50
290	2.8 EWM Dominant, but not overwhelming	Scattered, more 50
291	1.8 Coontail dominant, some EWM	Scattered less 25
292	6.0 Border of EWM, more Eelgrass	Scattered less 50
293	5.0 Border of EWM, more Eelgrass	Scattered less 50
294	Extent of EWM	Scattered less 50
295	4.8 EWM heavy in spots	Heavy in area greater 50
295	4.8 EWM heavy in spots	Heavy in area greater 50
296	4.0 EWM dominant on borders	Heavy in area greater 50
297	4.3 Less EWM, More Eelgrass and Coontail	Scattered less 50
298	4.3 Border of EWM, open in middle	Heavy in area greater 50
299	4.3 Border EWM, Not dominated, more Eelgrass, C-L Pondweed	Scattered less 50
300	4.3 Border EWM, Not dominated, more Eelgrass, C-L Pondweed	Scattered less 50
301	4.3 EWM dominant	Heavy in area greater 50
302	2.6 Some EWM mainly Eelgrass and Coontail	Scattered, less 25
303	2.6 Some EWM mainly Eelgrass and Coontail	Scattered, less 25
304	2.6 Some EWM mainly Eelgrass and Coontail	Scattered, less 25
305	2.0 1/4 EWM, mainly Eelgrass, C-L Pondweed and some Coontail	Scattered, less 25
306	2.0 1/4 EWM, mainly Eelgrass, C-L Pondweed and some Coontail	Scattered, less 25
307	2.0 1/4 EWM, mainly Eelgrass, C-L Pondweed and some Coontail	Scattered, less 25
308	2.1 Some eelgrass, scattered EWM	Scattered, less 25

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