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2008 Survey of Cocolalla Lake for Eurasian Watermilfoil Summer Survey

2008 Summer Survey Report

On Friday, July 18th, Dave Kluttz and Steve McClain of LRS performed the second survey for Cocolalla Lake after milfoil treatments in 2006 and 2007.

74 points were surveyed in the littoral areas where Eurasian Watermilfoil (EWM) has been found historically. Secchi readings were taken. Dissolved oxygen readings were provided by Cary Poston with the Cocolalla Homeowner's Association.

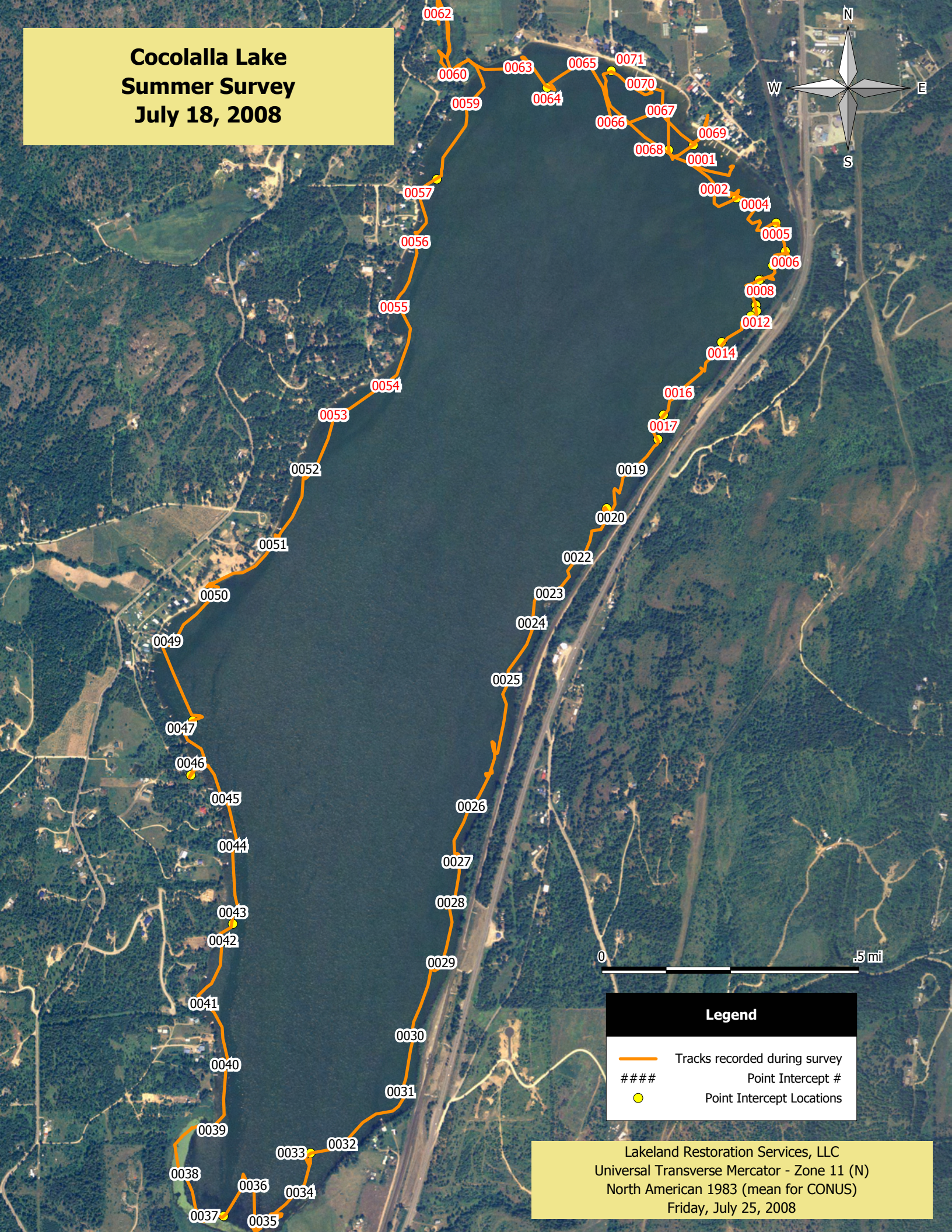
Most submerged plants discovered were potamogeton species with the exception of Coontail and Elodea. Emerged plants found were yellow pondlily, watershield, and bull rush.

Filamentous algae (green) was noted at the south end of the lake in the shallows.

During the survey, beaches were combed for evidence of EWM.

No EWM was noted during the survey.

**Cocolalla Lake
Summer Survey
July 18, 2008**



Legend

- Tracks recorded during survey
- #### Point Intercept #
- Point Intercept Locations

Lakeland Restoration Services, LLC
Universal Transverse Mercator - Zone 11 (N)
North American 1983 (mean for CONUS)
Friday, July 25, 2008

Point Intercept Data Sheet				Water Body: Cocolalla July 18, 2008																											
Weather Conditions: Windy				GPS Type: Garmin			Secchi Depth: 2.5m			DO(mg/l):			Temp:																		
UTM Coordinate Zone 11(12) NAD 83																															
Sample No.	Easting	Northing		EWM	Northern milfoil	Whorled milfoil	Bladderwort	Richardsons	Water buttercup	Pennywort	Chara	Nitella	Coontail	Elodea	Leafy pondweed	Sago pondweed	American pondweed	Big Leaf pondweed	Watershield	Yellow pondlily	White pondlily	Thread Leaf	Robbins	Curly Leaf	Bull Rush	Naiad	Depth (ft)	% Cover (by 10%)	Milfoil Condition (1-4)	Sediment Type	Notes
1	5331764	529436					1											1						1			7	30		S	
2	5331670	529475					1																				12	10		S	
3	5331644	529545					1											1						1			11	20		S	
4	5331623	529603					1																				6	30		S	
5	5331567	529669					1											1									6	30		S	
6	5331478	529698					1																				7	20		S	
7	5331433	529658																									8	0		S	
8	5331389	529619																									12	0		S	
9	5331388	529616					1																				12	20		S	
10	5331312	529605																1									11	10		S	
11	5331309	529606																									12	0		S	
12	5331290	529608					1																				9	10		S	
13	5331275	529590					1											1									7	10		M	
14	5331193	529498					1											1									12	20		M	
15	5331193	529498																									20	0		M	
16	5331034	529363																									17	0		M	
17	5330965	529316																									16	0		M	
18	5330889	529299					1											1									17	20		M+S	
19	5330793	529217																1									9	20		M+S	
20	5330642	529151					1											1									7	40		M	
21	5330672	529138																1							1		4	50		M	
22	5330518	529047					1											1									12	30		M	
23	5330405	528959					1											1									5	30		M+R	
24	5330313	528903																									20	0		M+R	
25	5330135	528824					1																				16	10		M+R	
26	5329738	528714					1																				10	50		M+R	
27	5329564	528669					1											1						1			7	40		M+R	
28	5329437	528650																									17	0			
29	5329249	528621																									15	0			
30	5329020	528523					1																				10	20		S+M	
31	5328844	528493																									9	0		M	
32	5328679	528310					1																				7	10		M	
33	5328653	528210																									15	0		M	Secchi: 1.5m
34	5328529	528177					1						1						1					1			7	40		M	
35	5328438	528061					1												1					1	1		5	90		M	Algae
36	5328549	528031												1					1	1										M	Algae
37	5328455	527938					1						1	1					1	1				1			4	70		M	

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38	5328587	527817										1	1													4	50		M	
39	5328724	527902																1								10	20		S+R	
40	5328928	527943					1										1									8	50		S+M	
41	5329120	527876					1																			7	50		S+R	
42	5329317	527936					1										1									6	20		R	
43	5329370	527967					1																			20	10		S+R	
44	5329614	527967					1																			8	20		S+R	
45	5329762	527944																								7	0		S+R	
46	5329836	527835																								6	0		S+R	
47	5329982	527804																								6	0		M	
48	5330007	527841																								20	0		M	
49	5330256	527762					1																			8	50		M	
50	5330399	527909					1										1									6	30		M	
51	5330558	528093					1																			7	20		S+M	
52	5330793	528194					1																			8	30		S	
53	5330964	528283															1							1		8	60		S+R	
54	5331056	528446																								11	0		S	
55	5331303	528471											1													5	10		S+R	
56	5331506	528537					1						1													10	4		M	
57	5331661	528548															1	1								4	20		M	
58	5331703	528606					1										1	1								4	20		M	
59	5331939	528698					1																			5	70		M	
60	5332031	528657										1	1				1		1				1			3	80		M	
61	5332029	528654											1				1		1				1			4	90		M	
62	5332221	528609										1	1				1		1				1			3	90		M	
63	5332053	528862					1																			3	10		S	
64	5331991	528951					1																			15	0		R+S	Secchi: 2.5m
65	5332065	529062																								4	10		S	
66	5331881	529152																								20	0		R+S	
67	5331917	529308					1										1									10	10		S+M	
68	5331795	529332																					1			6	10		S	
69	5331811	529410																					1			5	10		S	
70	5332002	529245					1										1									7	30		S	
71	5332043	529152					1										1									9	20		S	

2008 Dissolved Oxygen Readings (mg/l)/Temperature (Deg C)

Date Readings Taken	6/29/08					
Depth (m)						
Near Surface	11.0/20.9					
1	7.7/20.8					
2	6.1/20.4					
3	5.0/19.0					
4	4.9/17.7					
5	4.5/17.2					
6	4.1/15.5					
7	4.0/15.1					
8	2.2/13.9					
9	1.9/12.8					
10	1.6/12.1					
11	1.3/11.8					
12						
13						
14						
15						
*Duplicate readings taken with IDEQ instrument						