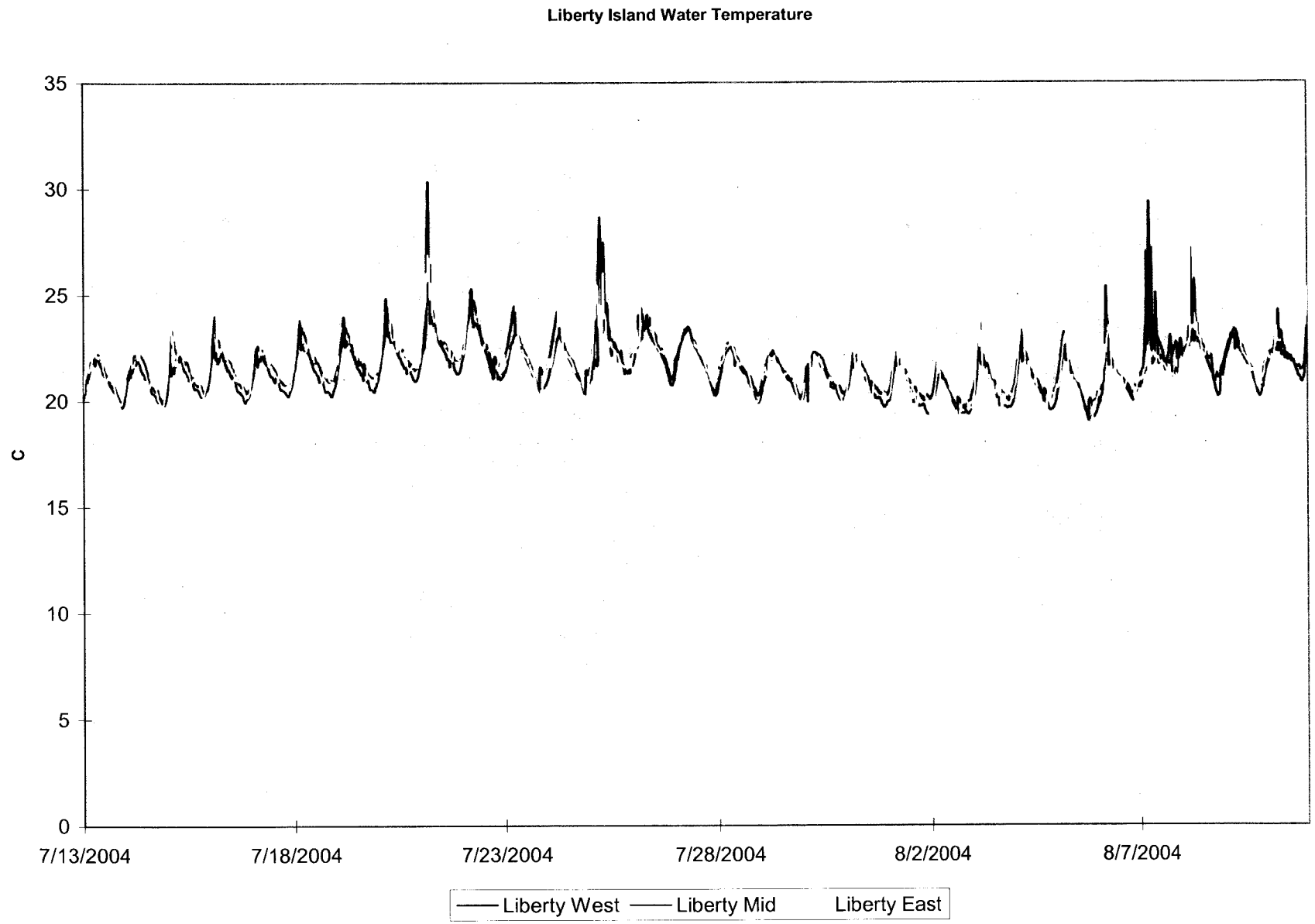
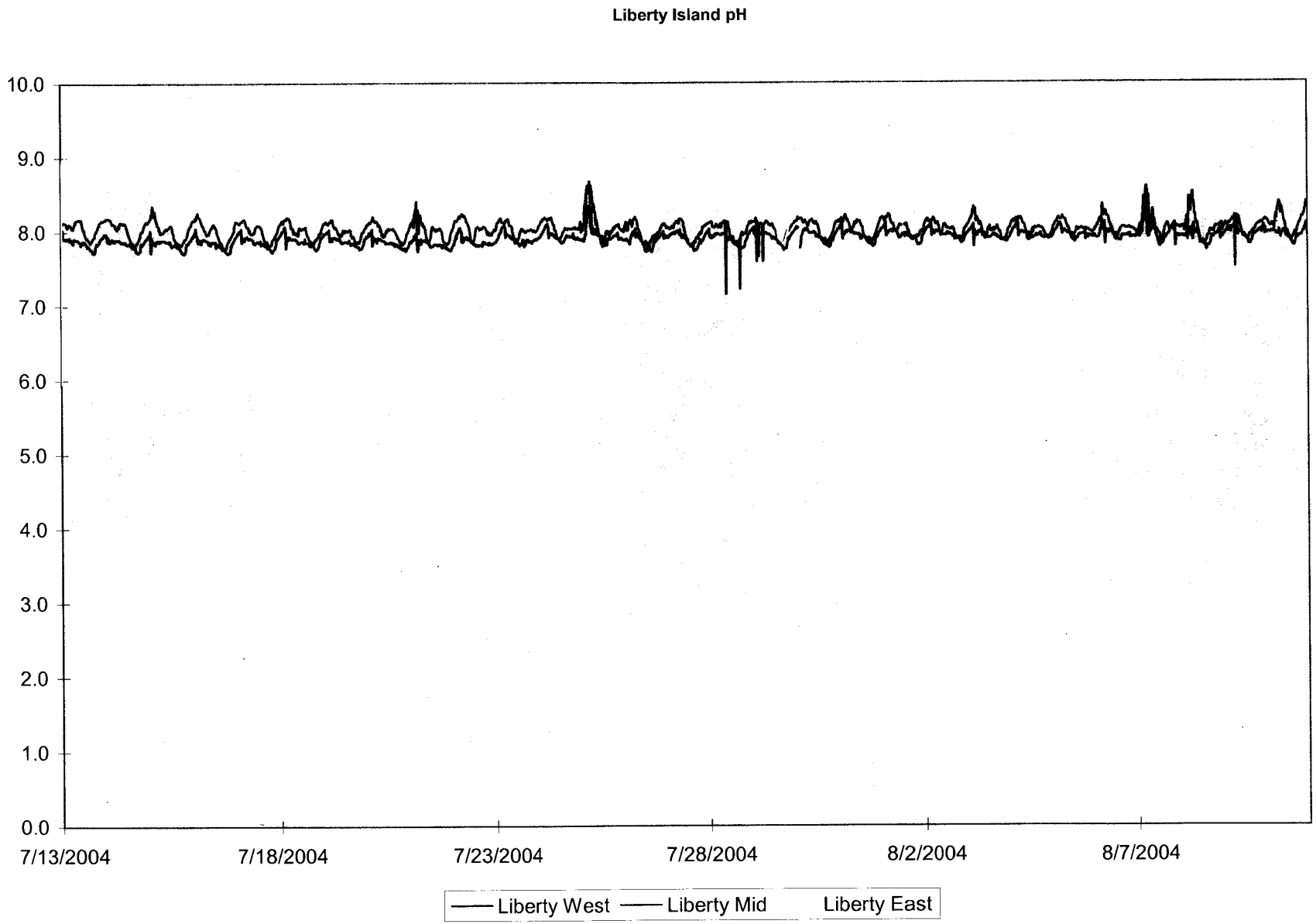
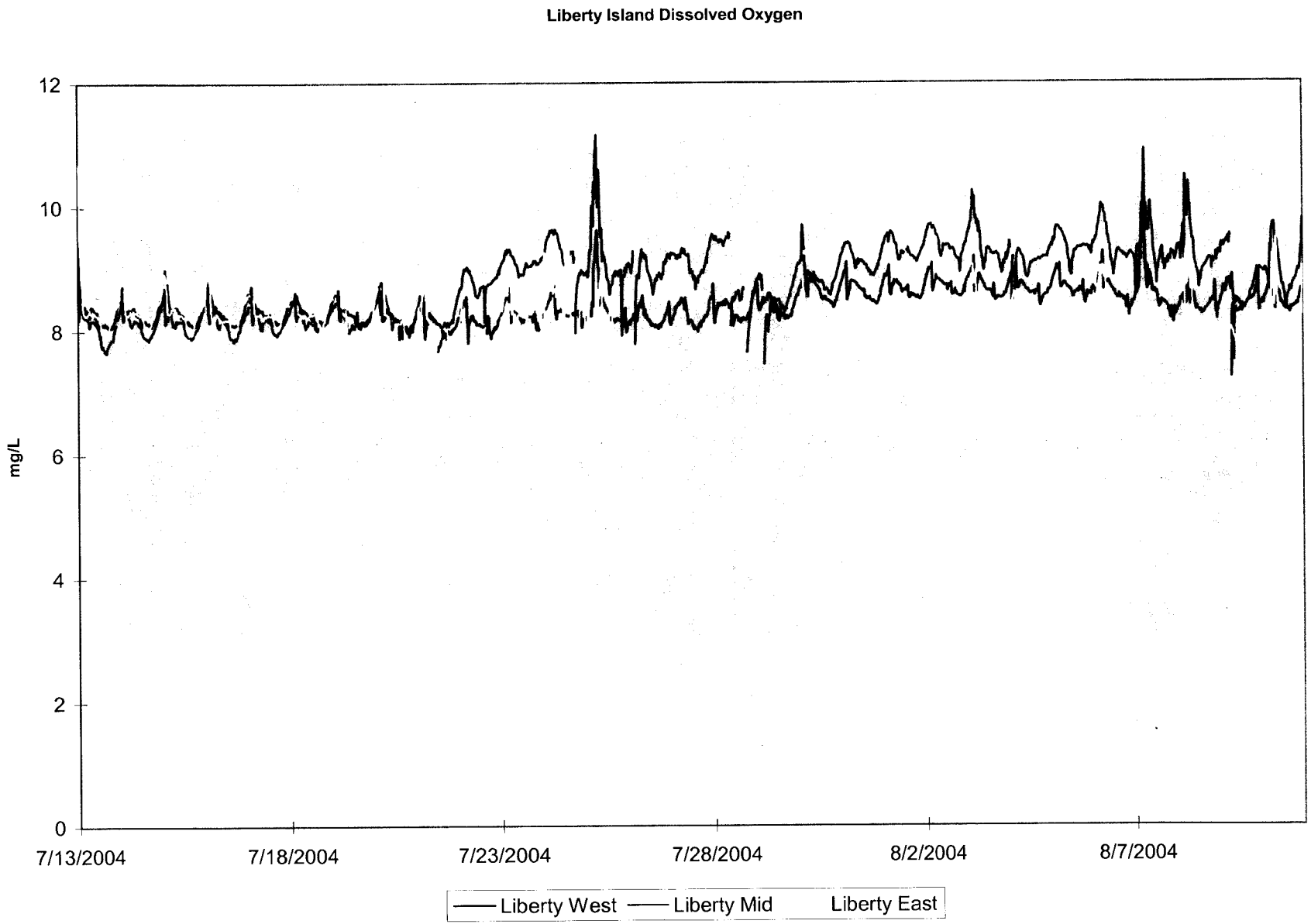
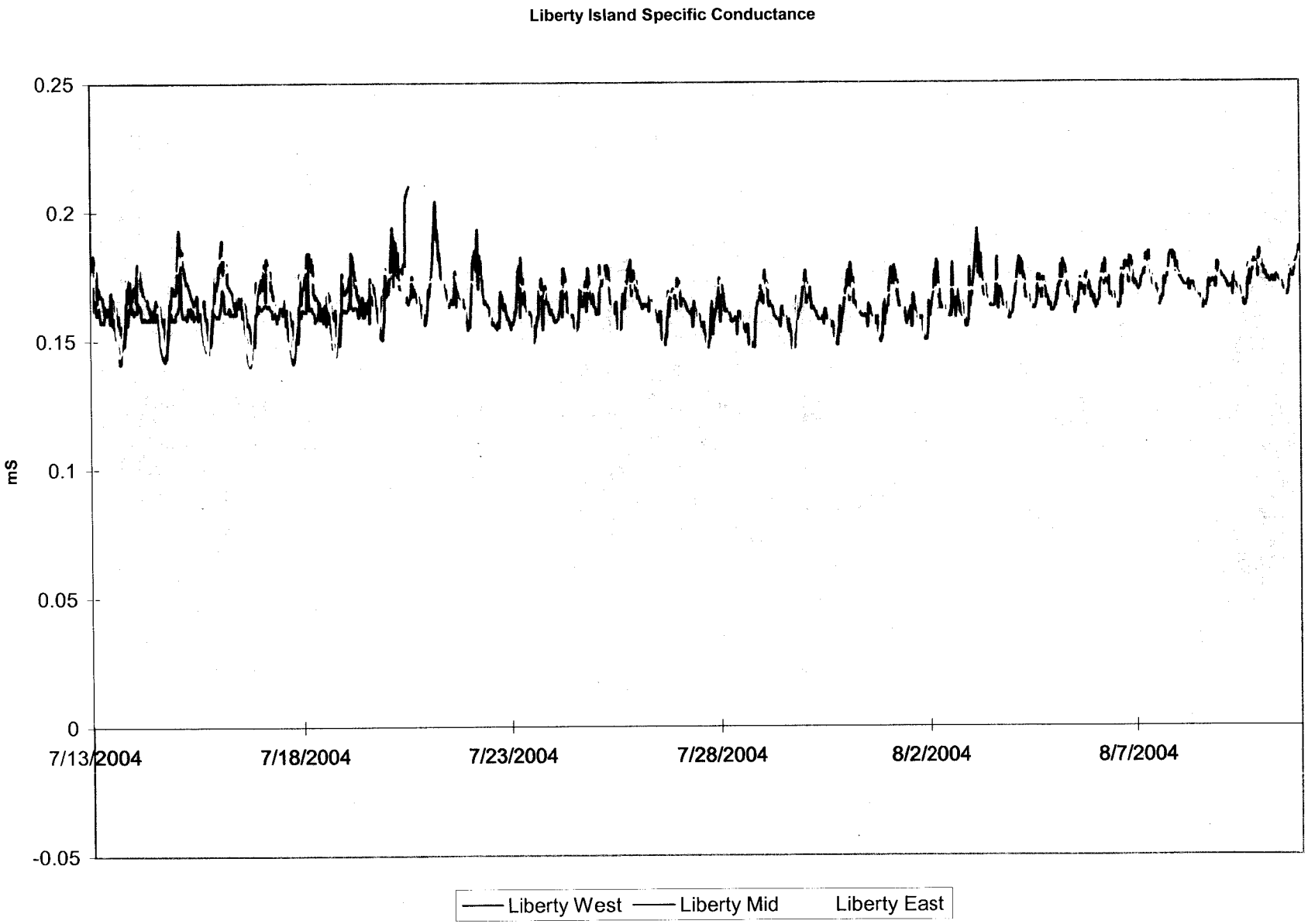
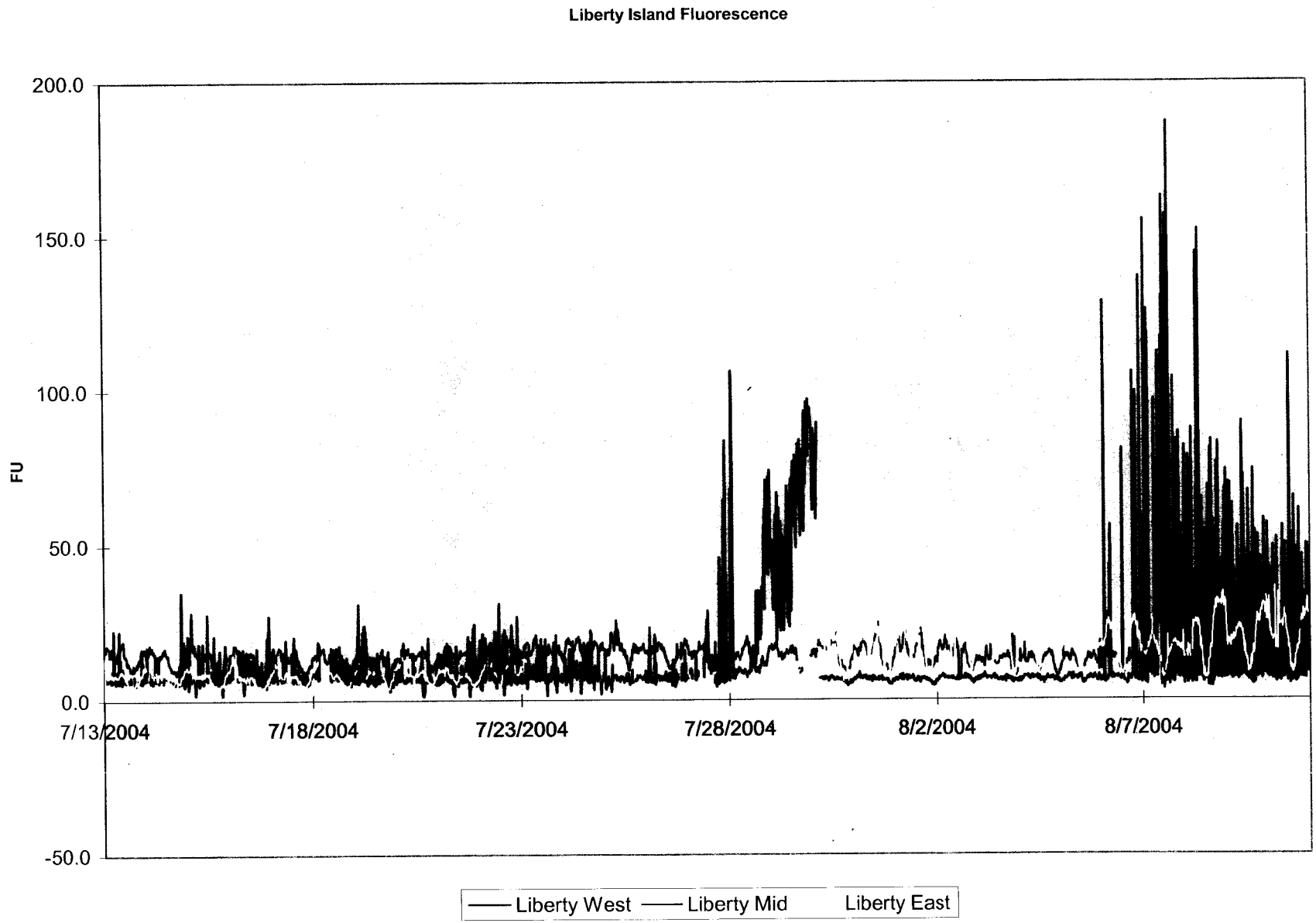

Liberty Island Water Temperature
35
30
25
20
15
10
5
0
C
7/13/2004
7/18/2004
7/23/2004
7/28/2004
8/2/2004
8/7/2004
Liberty West
Liberty Mid
Liberty East


Liberty Island pH
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
7/13/2004
7/18/2004
7/23/2004
7/28/2004
8/2/2004
8/7/2004
Liberty West
Liberty Mid
Liberty East


Liberty Island Dissolved Oxygen
mg/L
12
10
8
6
4
2
0
7/13/2004
7/18/2004
7/23/2004
7/28/2004
8/2/2004
8/7/2004
Liberty West
Liberty Mid
Liberty East


Liberty Island Specific Conductance
0.25
0.2
0.15
0.1
0.05
0
-0.05
mS
7/13/2004
7/18/2004
7/23/2004
7/28/2004
8/2/2004
8/7/2004
Liberty West
Liberty Mid
Liberty East


Liberty Island Fluorescence
200.0
150.0
100.0
50.0
0.0
-50.0
FU
7/13/2004
7/18/2004
7/23/2004
7/28/2004
8/2/2004
8/7/2004
Liberty West
Liberty Mid
Liberty East

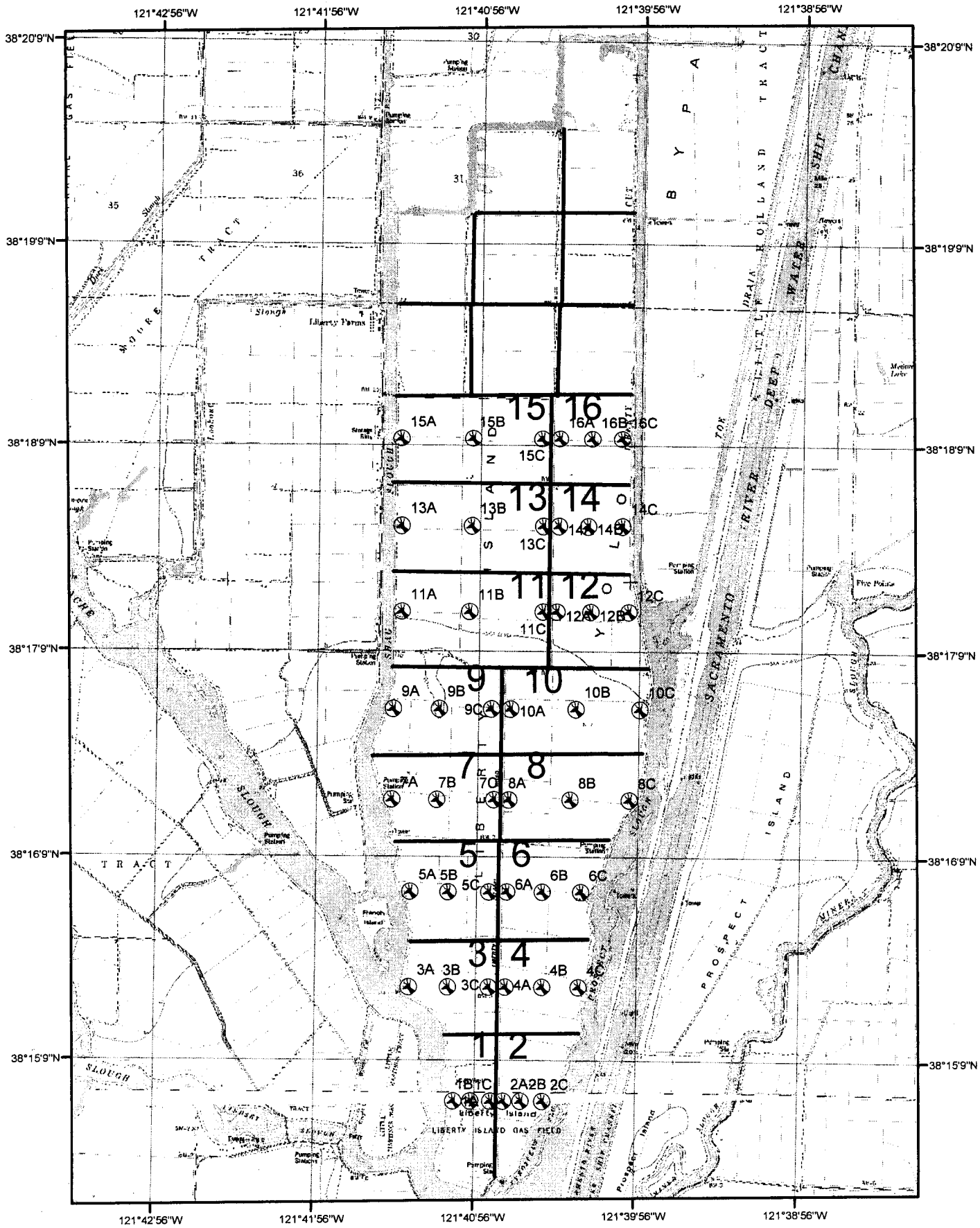


Figure 1. Approximate locations of Trawl areas and gill net sampling stations. The black lines are the boundaries of sampling areas 1 - 16 (identified by the large numerals). Gill net stations are identified by the black circles and name (e.g. 1A, 1B, 1C).

KDTR and Gill Net

Summary (6/22/04 thru 8/17/04)

We have been sampling every other week on mostly high ebbing tides in the morning
This has allowed us to reach some of the upper sampling zones (wind permitting)

Date		Chinook Adult CHNA	American Shad AMS	Carp C	Chan. Cat CHC	Delta Smelt DSM	Fathead Min. FHM	Gold F GF	Silver S. MSS	Pike Min. SAPM	Sucker SASU	Splittail SPLT	Stripped B. STB	Starry F. STF	Thread Fin TFS	Tule Perch TP	White Cat WHC	White Crappie WHS	White Stur. WST	Yellowfin Goby YFG	Siberian Prawn EXP	
06/22/2004																						
KDTR	9 Tows		91			15			6			1	237							1	77	
Gill net	6 Nets			1	4								1				2					
07/13/2004																						
KDTR	6 Tows		462			13		1	53			2	22		53		2				20	
Gill net	6 Nets	2		4							1		7				1					
07/20/2004																						
KDTR	5 Tows		100			3			10				19		180		6				93	
Gill net	6 Nets	1		5	5					1			5				3					
08/03/2004																						
KDTR	6 Tows		261		1	5	1		218			1	10	1	448		5			5	402	
Gill net	6 Nets			4									4				5		1			
08/17/2004																						
KDTR	6 Tows		319			3			82		1		10		263						217	
Gill net	6 Nets			1				1					2		1	1	4	1	1			
Totals																						
KDTR		**0**	**1233**	**14**	**10**	**39**	**1**	**1**	**369**	**1**	**2**	**4**	**315**	**1**	**944**	**0**	**24**	**0**	**1**	**6**	**809**	**17 Species**
Gill net		**3**	**0**	**15**	**9**	**0**	**0**	**1**	**0**	**1**	**1**	**0**	**19**	**0**	**1**	**1**	**15**	**1**	**2**	**0**	**0**	**12 Species**
																						20 Total Species

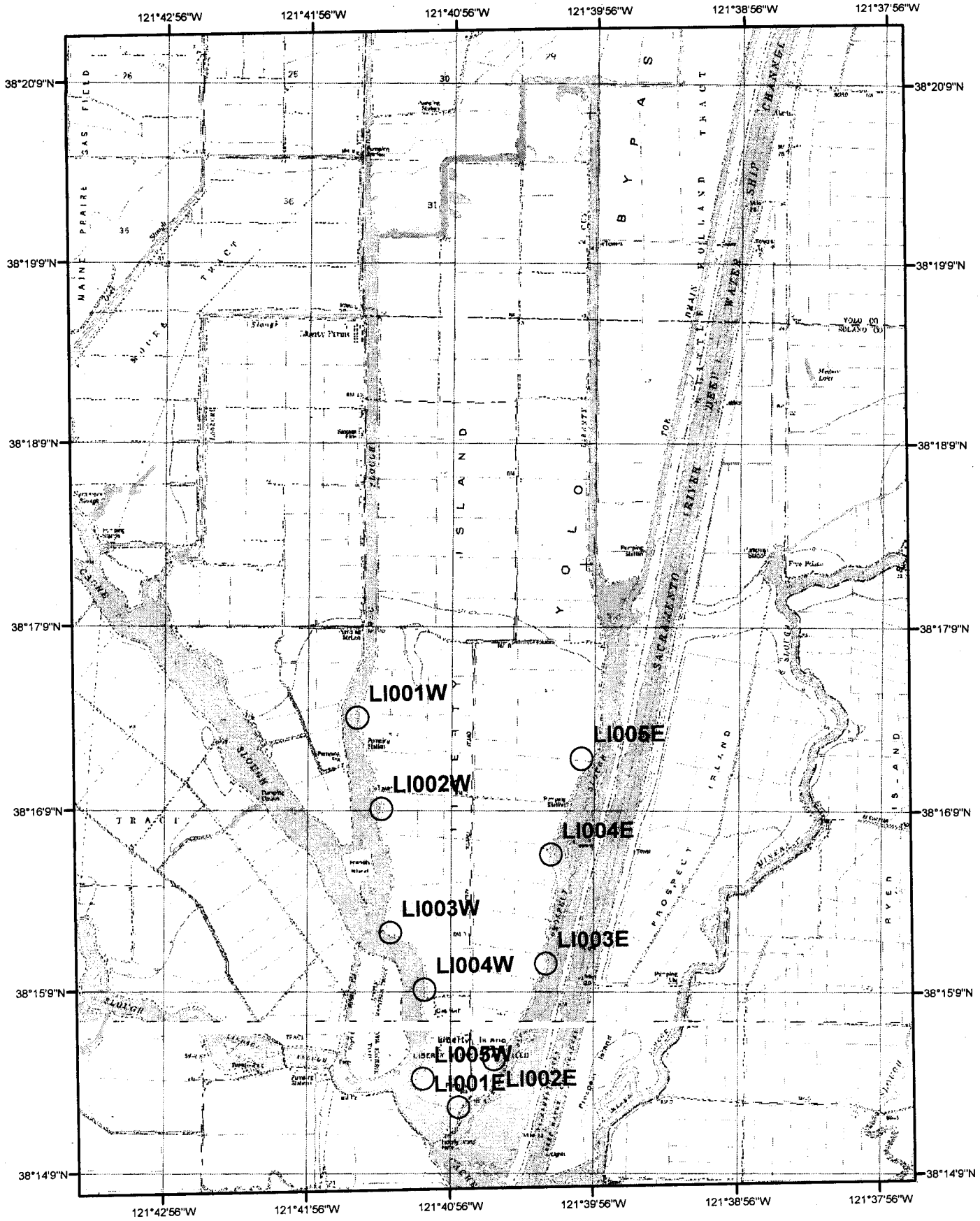


Figure 1. The red circles show the approximate locations of beach seine sites. The name of the site is ajacent to the symbol.

Summary of Liberty Island beach seine sampling, 01 Aug 2003 - 31 Jul 2004

Organism (* = native)	Total	%	Liberty Island Seine Station (# samples)									
			001E (38)	002E (28)	003E (25)	004E (32)	005E (31)	001W (31)	002W (26)	003W (38)	004W (27)	005W (34)
Inland sliverside	5119	47.2	871	347	139	370	354	546	293	996	329	874
Sacramento splittail*	2076	19.2	528	37	22	19	18	34	68	840	39	471
Threadfin shad	1092	10.1	67	35	10	25	47	201	62	129	162	354
Siberian prawn	777	7.2	39	6	14	31	89	133	143	91	110	121
Yellowfin goby	703	6.5	127	4	17	4	21	66	30	246	4	184
Chinook*	439	4.1	173	38	47	26	15	12	3	45	13	67
Striped bass	163	1.5	21	23	39	13	19	19	6	9	5	9
American shad	78	0.7	16	32	10	4	2		5	1	4	4
Sacramento pike minnow*	68	0.6	17	11	5	6	1	1	4	9	5	9
Delta smelt*	65	0.6	6	6	2	5	5	1	17	5	2	16
Shimofuri goby	61	0.6	3	2	10		1	6	10	11	7	11
Tuleperch*	40	0.4	2	1			1	4		19	2	11
Mosquito fish	35	0.3	15	1		4	4	3	1	4	1	2
Logperch	34	0.3	15		3			8		4	2	2
White catfish	32	0.3			1	2	27				2	
Fathead minnow	13	0.1	4							6		3
Carp	10	0.1		2	3	2	1			1		1
Starry flounder*	10	0.1								7	1	2
Sacramento sucker*	9	0.1	1	1						1		6
Threespine stickleback*	4	0.0					1	1				2
Gloden shiner	2	0.0						1		1		
Prickly sculpin*	2	0.0						1		1		
Black crappie	1	0.0	1									
Channel catfish	1	0.0										1
Largmouth bass	1	0.0										1
Rainbow trout*	1	0.0						1				
Red shiner	1	0.0			1							
Total	10837		1906	546	323	511	606	1038	642	2426	688	2151
Effort adjusted			50	20	13	16	20	33	25	64	25	63

Summary of Liberty Island beach seine sampling, 01 Aug 2003 - 31 Jul 2004

Organism (* = native)	Total	%	Month (# samples)											
			Aug (22)	Sep (22)	Oct (49)	Nov (38)	Dec (26)	Jan (28)	Feb (8)	Mar (35)	Apr (23)	May (26)	Jun (22)	Jul (11)
Inland sliverside	5119	47.2	1480	771	1061	483	566	145	14	106	19	16	27	431
Sacramento splittail*	2076	19.2	18	2	2	2					184	1724	132	12
Threadfin shad	1092	10.1	274	449	134	33	35	10		32	14	31	13	67
Siberian prawn	777	7.2	98	174	351	38	5	13	5	65	15		3	10
Yellowfin goby	703	6.5	6	2	17	1	1	1				275	369	31
Chinook*	439	4.1					2	196	46	132	51	12		
Striped bass	163	1.5	55	8	14	7		1				5	72	1
American shad	78	0.7	23	1	6	17							26	5
Sacramento pike minnow*	68	0.6	4	1	1	1		1		21	14	13	7	5
Delta smelt*	65	0.6	4	2	10	5	27	3	1	5	3	3	1	1
Shimofuri goby	61	0.6	26	6	21	1	1	1		1	3		1	
Tuleperch*	40	0.4	1							1		29	8	1
Mosquito fish	35	0.3	1	4	6	1	1	6		14			1	1
Logperch	34	0.3	12	5	9	1		1		1		3	1	1
White catfish	32	0.3	23	5	2							1		1
Fathead minnow	13	0.1	2		2	1					1	2	1	4
Carp	10	0.1			3					2		3	2	
Starry flounder*	10	0.1										10		
Sacramento sucker*	9	0.1	1		5			1					1	1
Threespine stickleback*	4	0.0	1				2					1		
Gloden shiner	2	0.0	1							1				
Prickly sculpin*	2	0.0									2			
Black crappie	1	0.0				1								
Channel catfish	1	0.0			1									
Largmouth bass	1	0.0	1											
Rainbow trout*	1	0.0							1					
Red shiner	1	0.0				1								
Total	10837		2031	1430	1645	593	640	379	67	381	306	2128	665	572
Effort adjusted			92	65	34	16	25	14	8	11	13	82	30	3