

APPENDIX C

CATCH DATA TABLES

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Shallow Water Habitat
Bioaccumulation Survey
San Diego Bay
(SWHB)

April-May, 2014

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**Table C-1. San Diego Shallow Water Habitat Bioaccumulation
 Benthic Trawl Samples for Invertebrates – Number of Individuals and Weights (grams)**

SD Bay Region	Site	Date Sampled (infauna; trawls)	Benthic Infauna Sample Weights (grams)					Trawl Sample Invertebrates – Number of individuals					
			Polychaetes	Crustacea	Bivalves	Gastropods	Comments	Assorted Arthropods	Asian mussel – M. senhousia	CA. bubble snail – B. gouldiana	Brown Shrimp – F. californiensis	Misc. Bivalve	Swimming crabs – P. xantusii and Cancer sp.
North	SWHB-26	4/17/14; 4/22/14	11.2	10.17	45.4	59.8	---			29	1		
	SWHB-27	4/18/14; 4/23/14	5.4	1.34	54.4	51.4	---						
	SWHB-30	4/18/14; 4/23/14	10.2	12.2	3.9	146	Sweet potato sea cucumber = 189 g						4
Central	SWHB-01	4/16/14; 4/22/14	13.5	3.3	52.5	2.9	---	5	>100		1		2
	SWHB-06	4/17/14; 4/22/14	8.5	0.5	53.1	17.5	Polychaete weight includes small burrowing anenomes			50			
	SWHB-40	4/16/14; 4/22/14	12.5	8.0	59.2	1.9	---		20			1	
South	SWHB-15	4/15/14; 4/21/14	1.7	2.8	--	--	Pheronids = 3.2 g; Anemonie.						
	SWHB-21	4/15/14; 4/21/14	3.6	2.2	17.5	50.5	Polychaete weight includes small burrowing anenomes			1			
	SWHB-22	4/15/14; 4/21/14	8.5	0.7	25.5	4.5	---					1	

**Table C-2. San Diego Shallow Water Habitat Bioaccumulation
 Benthic Trawl Samples for Fish – Number of Individuals and Size Range (mm)**

SD Bay Region	Site	Date Sampled	Trawl Sample Fish												Benthic Grab Sample
			Spotted sand bass	CA halibut	Shiner perch	Spotted turbot	Diamond turbot	Slough anchovy	Barred sand bass	Calico bass (Kelp bass)	Black surfperch	Dwarf surfperch	Bay blenny	CO turbot	Gobies ^a
North	SWHB-26	4/22/14	5 (125-140)	5 (130-195)	10 (95-110)				10 (55-100)	10 (58-87)	6 (58-60)	6 (90-100)	8 (68-92)		1.2
	SWHB-27	4/23/14	6 (62-108)	6 (100-150)	6 (62-108)					1 (130)					1.4
	SWHB-30	4/23/14	3 (235-310)	5 (120-140)		3 (75-133)				2 (160,165)	5 (115-150)			1 (95)	--
Central	SWHB-01	4/22/14	5 (135-155)	5 (95-150)	4 (45-105)										1.0
	SWHB-06	4/22/14	5 (180-240)	10 (65-120)		5 (80-120)									0.77
	SWHB-40	4/22/14	6 (80-135)	5 (80-155)	6 (50-110)				6 (85-135)						1.2
South	SWHB-15	4/21/14	2 (250,290)	7 (65-170)			5 (80-90)	10 (45-90)							2.5
	SWHB-21	4/21/14	6 (135-150)	10 (50-150)											--
	SWHB-22	4/21/14	6 (125-165)	6 (50-125)	2 (54,64)			1 (51)	6 (90-165)						0.7

Notes: Number of individuals is the top number; the size range is provided in parentheses.

^a Fish collected during benthic infauna grab sampling (Gobies only) are reported as weight (in grams)

Table C-3. San Diego Bay Shallow Water Habitat Collections for Bioaccumulation Tissue (Zooplankton)

San Diego Bay Subregion	Site	Date Sampled	Wet Weight (g)
North	26	5/8/14	9.07
	27	5/12/14	12
	30	5/12/14	53.6
Central	1	5/8/14	10.6
	6	5/9/14	28.6
	40	5/9/14	9.7
South	15	5/7/14	11.9
	21	5/7/14	5.3
	22	5/7/14	13.8

San Diego Bay - Shallow Water Habitat Tissue Samples for Chemical Analysis - Physis
Collected: April 2014

Sample #	Region	StationID	SampleID	Bioaccumulation SampleID	Type	Common Name	Weight (g)	No. Individuals	Processing Instructions	Comment
1	San Diego Bay North	SWHB-26	SWHB-26-SBB	SWHB-26-SSB	Fish	Spotted sand bass	Unknown	5	Combine and analyze all fish	
2	San Diego Bay North	SWHB-26	SWHB-26-CH	SWHB-26-CH	Fish	California halibut	Unknown	5	Combine and analyze all fish	
3	San Diego Bay North	SWHB-26	SWHB-26-SP-Small	SWHB-26-SP-1	Fish	Shiner perch	Unknown	5	Sub-sample: Combine and analyze the 5 smallest fish in bag	Small sub-sample for wild life analysis
	San Diego Bay North	SWHB-26	SWHB-26-SP-Large	SWHB-26-SP-2	Fish	Shiner perch	Unknown	5	Sub-sample: Combine and analyze the 5 largest fish; process for Human Health Risk Assess.	Large sub-sample to be process for human health risk
4	San Diego Bay North	SWHB-26	SWHB-26-BP	SWHB-26-BP	Fish	Black perch	Unknown	6	Combine and analyze all fish	
5	San Diego Bay North	SWHB-26	SWHB-26-C	SWHB-26-C-1	Crustacea	Crustacea	10.2	Unknown	Combine and analyze all	
6	San Diego Bay North	SWHB-26	SWHB-26-P	SWHB-26-P	Polychaetes	Polychaetes	11.2	Unknown	Combine and analyze all	
7	San Diego Bay North	SWHB-26	SWHB-26-M	SWHB-26-M	Mollusks	Mollusks	45.4	Unknown	Combine and analyze all	Small clams
8	San Diego Bay North	SWHB-26	SWHB-26-FC	SWHB-26-C-2	Crustacea	Brown shrimp	15	Unknown	Analyze single shrimp	F. Californiensis
9	San Diego Bay North	SWHB-26	SWHB-26-ZP	SWHB-26-Pik	Plankton	Plankton	9.1	Unknown	Analyze all	
10	San Diego Bay North	SWHB-27	SWHB-27-SBB	SWHB-27-SSB	Fish	Spotted sand bass	Unknown	6	Combine and analyze all fish	
11	San Diego Bay North	SWHB-27	SWHB-27-CH	SWHB-27-CH	Fish	California halibut	Unknown	6	Combine and analyze all fish	
12	San Diego Bay North	SWHB-27	SWHB-27-SP	SWHB-27-SP	Fish	Shiner perch	Unknown	6	Combine and analyze all fish	
13	San Diego Bay North	SWHB-27	SWHB-27-P	SWHB-27-P	Polychaetes	Polychaetes	5.4	Unknown	Combine and analyze all	
14	San Diego Bay North	SWHB-27	SWHB-27-M	SWHB-27-M	Mollusks	Mollusks	54.4	Unknown	Combine and analyze all	Small clams
15	San Diego Bay North	SWHB-27	SWHB-27-ZP	SWHB-27-Pik	Plankton	Plankton	12	Unknown	Analyze all	
16	San Diego Bay North	SWHB-30	SWHB-30-SBB	SWHB-30-SSB	Fish	Spotted sand bass	Unknown	5	Combine and analyze all fish	
17	San Diego Bay North	SWHB-30	SWHB-30-CH	SWHB-30-CH	Fish	California halibut	Unknown	5	Combine and analyze all fish	
18	San Diego Bay North	SWHB-30	SWHB-30-BP	SWHB-30-BP	Fish	Black perch	Unknown	5	Combine and analyze all fish	
19	San Diego Bay North	SWHB-30	SWHB-30-C	SWHB-30-C-1	Crustacea	Crustacea	8	Unknown	Combine and analyze all	
20	San Diego Bay North	SWHB-30	SWHB-30-P	SWHB-30-P	Polychaetes	Polychaetes	12.5	Unknown	Combine and analyze all	
21	San Diego Bay North	SWHB-30	SWHB-30-M	SWHB-30-M	Mollusks	Mollusks	59.2	Unknown	Combine and analyze all	Small clams
22	San Diego Bay North	SWHB-30	SWHB-30-Crabs	SWHB-30-C-2	Crustacea	Crabs	Unknown	4	Combine and analyze all	Portunis + sm. cancer crabs
23	San Diego Bay North	SWHB-30	SWHB-30-ZP	SWHB-30-Pik	Plankton	Plankton	53.6	Unknown	Analyze all	
24	San Diego Bay Central	SWHB-01	SWHB-01-SBB	SWHB-01-SSB	Fish	Spotted sand bass	Unknown	5	Combine and analyze all fish	
25	San Diego Bay Central	SWHB-01	SWHB-01-CH	SWHB-01-CH	Fish	California halibut	Unknown	5	Combine and analyze all fish	
26	San Diego Bay Central	SWHB-01	SWHB-01-SP	SWHB-01-SP	Fish	Shiner perch	Unknown	4	Combine and analyze all fish	
27	San Diego Bay Central	SWHB-01	SWHB-01-C	SWHB-01-C-1	Crustacea	Crustacea	3.3	Unknown	Combine and analyze all	
28	San Diego Bay Central	SWHB-01	SWHB-01-P	SWHB-01-P	Polychaetes	Polychaetes	13.5	Unknown	Combine and analyze all	
29	San Diego Bay Central	SWHB-01	SWHB-01-M	SWHB-01-M	Mollusks	Mollusks	52.5	Unknown	Combine and analyze all	Small clams
30	San Diego Bay Central	SWHB-01	SWHB-01-FC	SWHB-01-C-2	Crustacea	Brown shrimp	15	Unknown	Analyze brown shrimp alone; add the 4 small crabs to other infauna crustacea in SWHB-01-C	F. Californiensis
31	San Diego Bay Central	SWHB-01	SWHB-01-ZP	SWHB-01-Pik	Plankton	Plankton	10.6	Unknown	Analyze all	
32	San Diego Bay Central	SWHB-06	SWHB-06-SBB	SWHB-06-SSB	Fish	Spotted sand bass	Unknown	5	Combine and analyze all fish	
33	San Diego Bay Central	SWHB-06	SWHB-06-CH-Small	SWHB-06-CH-1	Fish	California halibut	Unknown	5	Sub-sample: Combine and analyze the 5 smallest fish in bag	Small replicate
	San Diego Bay Central	SWHB-06	SWHB-06-CH-Large	SWHB-06-CH-2	Fish	California halibut	Unknown	5	Sub-sample: Combine and analyze the 5 largest fish in bag	Large replicate
34	San Diego Bay Central	SWHB-06	SWHB-06-P	SWHB-06-P	Polychaetes	Polychaetes	8.5	Unknown	Combine and analyze all polychaetes (excluding anemones. Fresh foil, Bag and re-freeze anemones)	Delivered foil package includes anemone. DO NOT TEST anemone, only polychaete worms
35	San Diego Bay Central	SWHB-06	SWHB-06-M	SWHB-06-M	Mollusks	Mollusks	53.1	Unknown	Combine and analyze all	Small clams
36	San Diego Bay Central	SWHB-06	SWHB-06-ZP	SWHB-06-Pik	Plankton	Plankton	28.6	Unknown	Analyze all	

**San Diego Bay - Shallow Water Habitat Tissue Samples for Chemical Analysis - Physis
Collected: April 2014**

Sample #	Region	StationID	SampleID	Bioaccumulation SampleID	Type	Common Name	Weight (g)	No. Individuals	Processing Instructions	Comment
37	San Diego Bay Central	SWHB-40	SWHB-40-SBB	SWHB-40-SSB	Fish	Spotted sand bass	Unknown	6	Combine and analyze all fish	
38	San Diego Bay Central	SWHB-40	SWHB-40-CH	SWHB-40-CH	Fish	California halibut	Unknown	5	Combine and analyze all fish	
39	San Diego Bay Central	SWHB-40	SWHB-40-SP	SWHB-40-SP	Fish	Shiner perch	Unknown	6	Combine and analyze all fish	
40	San Diego Bay Central	SWHB-40	SWHB-40-C	SWHB-40-C	Crustacea	Crustacea	8	Unknown	Combine and analyze all	
41	San Diego Bay Central	SWHB-40	SWHB-40-P	SWHB-40-P	Polychaetes	Polychaetes	12.5	Unknown	Combine and analyze all	
42	San Diego Bay Central	SWHB-40	SWHB-40-M	SWHB-40-M	Mollusks	Mollusks	59.2	Unknown	Combine and analyze all	Small clams
43	San Diego Bay Central	SWHB-40	SWHB-40-ZP	SWHB-40-Pik	Plankton	Plankton	9.7	Unknown	Analyze all	
44	San Diego Bay South	SWHB-15	SWHB-15-SBB	SWHB-15-SSB	Fish	Spotted sand bass	Unknown	2	Combine and analyze both fish	
45	San Diego Bay South	SWHB-15	SWHB-15-CH	SWHB-15-CH	Fish	California halibut	Unknown	7	Combine and analyze 5 smallest fish in bag	
46	San Diego Bay South	SWHB-15	SWHB-15-SA-small	SWHB-15-SA	Fish	Slough anchovy	Unknown	10	Combine and analyze all fish	Small
47	San Diego Bay South	SWHB-15	SWHB-15-C	SWHB-15-C	Crustacea	Crustacea	2.8	Unknown	Combine and analyze all	
48	San Diego Bay South	SWHB-15	SWHB-15-P	SWHB-15-P	Polychaetes	Polychaetes	1.7	Unknown	Combine and analyze all	
49	San Diego Bay South	SWHB-15	SWHB-15-M	SWHB-15-M	Mollusks	Mollusks	5.9	Unknown	Combine and analyze all	Small clams
50	San Diego Bay South	SWHB-15	SWHB-15-ZP	SWHB-15-Pik	Plankton	Plankton	11.9	Unknown	Analyze all	
51	San Diego Bay South	SWHB-21	SWHB-21-SBB	SWHB-21-SSB	Fish	Spotted sand bass	Unknown	6	Combine and analyze all fish	
52	San Diego Bay South	SWHB-21	SWHB-21-CH-small	SWHB-21-CH-1	Fish	California halibut	Unknown	5	Sub-sample: Combine and analyze the 5 smallest fish in bag	Small replicate
	San Diego Bay South	SWHB-21	SWHB-21-CH-large	SWHB-21-CH-2	Fish	California halibut	Unknown	5	Sub-sample: Combine and analyze the 5 largest fish in bag	Large replicate
53	San Diego Bay South	SWHB-21	SWHB-21-C	SWHB-21-C	Crustacea	Crustacea	2.2	Unknown	Combine and analyze all fish	
54	San Diego Bay South	SWHB-21	SWHB-21-P	SWHB-21-P	Polychaetes	Polychaetes	3.6	Unknown	Combine and analyze all polychaetes (excluding anemones. Fresh foil, Bag and re-freeze anemones)	Delivered foil package includes anemone. DO NOT TEST anemone, only polychaete worms
55	San Diego Bay South	SWHB-21	SWHB-21-B	SWHB-21-M	Mollusks	Mollusks	17.5	Unknown	Combine and analyze all	Small clams
56	San Diego Bay South	SWHB-21	SWHB-21-ZP	SWHB-21-Pik	Plankton	Plankton	5.3	Unknown	Analyze all	
57	San Diego Bay South	SWHB-22	SWHB-22-SBB	SWHB-22-SSB	Fish	Spotted sand bass	Unknown	6	Combine and analyze all fish	
58	San Diego Bay South	SWHB-22	SWHB-22-CH	SWHB-22-CH	Fish	California halibut	Unknown	6	Combine and analyze all fish	
59	San Diego Bay South	SWHB-22	SWHB-22-SP	SWHB-22-SP	Fish	Shiner perch	Unknown	2	Combine and analyze all fish	
60	San Diego Bay South	SWHB-22	SWHB-22-P	SWHB-22-P	Polychaetes	Polychaetes	8.5	Unknown	Combine and analyze all polychaetes (excluding anemones. Fresh foil, Bag and re-freeze anemones)	Delivered foil package includes anemone. DO NOT TEST anemone, only polychaete worms
61	San Diego Bay South	SWHB-22	SWHB-22-M	SWHB-22-M	Mollusks	Mollusks	25.5	Unknown	Combine and analyze all	Small clams
62	San Diego Bay South	SWHB-22	SWHB-22-ZP	SWHB-22-Pik	Plankton	Plankton	13.8	Unknown	Analyze all	
63	San Diego Bay North	SWHB-SD-North	SWHB-26-27-Goby	SWHB-North-G	Fish	Goby sp.	Unknown	11	Combine and analyze all gobies from Sites 26 and 27	Sample composited from stations 26, 27
64	San Diego Bay Central	SWHB-SD-Centra	SWHB-01-06-40-Goby	SWHB-Central-G	Fish	Goby sp.	Unknown	12	Combine and analyze all gobies from Sites 01, 06, and 40	Sample composited from stations 01, 06, 40
65	San Diego Bay South	SWHB-SD-South	SWHB-15-22-Goby	SWHB-South-G	Fish	Goby sp.	Unknown	10	Combine and analyze all gobies from Sites 15 and 22	Sample composited from stations 15, 22

NOTE: Green shading provided only to visually differentiate different site locations in the table.



Regional Harbor Monitoring Program (RHMP)

Aug.-Sept. 2013

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Table C-4. RHMP Benthic Infauna Collections - Bioaccumulation Special Study

Harbor	Subregion	Station	Date Sampled	Wet Weight (g)			
				Polychaetes	Crustacea	Molluscs	Other
Dana Point	NA	8263	8/5/13	8.0	1.0*	0.5	Ophuroids (0.5 g). *Additional crustacea saved from trawls: 1 swimming crab, 1 Sicyonia shrimp, 1 Peneaus shrimp (45g total)
Oceanside	NA	8239	8/6/13	7.0	2.0*	0	Ophuroids (0.5 g). *Additional crustacea saved from trawls: 5 swimming crabs, 3 Sicyonia shrimp, 1 Bulla snail (80g total) .
Mission Bay	NA	8159	8/8/13	5.3*	0.6**	31	Gobies (2.3g), Burrowing anenemies (2.7 g). *Approx. 50% of the wt. for polychaetes comprises of small white sea cucumbers. **Additional crustacea saved from trawls: 4 Peneaus (95g total)
San Diego Bay	South	8017	8/11/13	4.0	10.3	103.3	N/A
		8020	8/11/13	4.4	3.3	13.3	N/A
		8029	8/11/13	5.3*	1.6	67.3**	Goby, midshipman (2.0 g total) . * A few burrowing anenemies mixed in with polychaetes. **Additional molluscs saved from trawls: 9 Musculista (6.3 g)
	Central	8052	8/27/13	4.9*	1.4	25.3	20 Pheronids (1.2 g total). *Polychaetes mixed with a few small burrowing anenemies.
		8060	8/27/13	2.8	9.3*	17.3	One goby (0.6 g). *Additional crustacea saved from trawls: 3 Bulla snails (7.3 g total) , and 1 Farfantepenaeus californiensis (32.3 g total)
		8078	8/27/13	6.0	6.8	12.3	Goby (0.5 g), sea pens (<i>Elonsala</i> and 4 unidentified species, 2.8 g), Ophuroids (1.3 g).
	North	8109	8/28/13	7.8	9.3	5.9	Ophuroids (0.6 g), Gobies, midshipman (2.0 g total) , and burrowing anenemies (1.9 g).
		8118	8/28/13	3.5	37.3*	2.6	3 gobies, 1 midshipman (3.2g total) * Additional crustacea saved from trawls: 2 Farfantepenaeus californiensis (105g total) .
		8122	8/28/13	7.3	3.5	7.3	Gobies (2.3 g)

 Recommend for Analysis by RHMP - 24 samples total
 Additional samples for potential analysis by the City of SD (15)

*RHMP to cover 2 invert. species/site.

**Special Study Funding (City of SD TO 71) to cover 2 extra invertebrate species per site (18 max)

Table C-5. RHMP Benthic Trawl Collections - Bioaccumulation Special Study (# and length range in mm)

Harbor	Subregion	Site	Date Sampled	California Halibut	White Surfperch	Spotfin Croaker	Yellowfin Croaker	Barred Sand Bass	Spotted Sand Bass	Kelp Bass	Queenfish	Deepbody Anchovy	Slough Anchovy	Walleye Surfperch	Barred Surfperch	Diamond Turbot	Round Rays	Other		
Dana Point	NA	8263	8/5/13	5 (154-340)	8 (130-170)	2 (207, 269)												Swimmer crab (1), Target shrimp - <i>Sicyonia</i> (1), Brown Shrimp <i>Farfantepenaeus californicus</i> (1)		
Oceanside	NA	8239	8/6/13	1 (420)	5 (130-200)	4 (140-220)					13 (30-55) + 3 (135-160)			2 (125-160)	2 (135, 135)			Swimmer crab (1), Target shrimp - <i>Sicyonia</i> (3), Bulla snail (1)		
Mission Bay	NA	8159	8/8/13	7 (133-220)			9 (128-150)				46 (40-60)	8 (67)	27 (42-65)				6 (230-300)			
		8152	9/11/13	2 (170, 410)					3 (240-280)	6 (130-200)										
		8156	9/11/13	2 (110, 120)					6 (110-130)	3 (160-240)							1 (250)			
San Diego Bay	South	8017	9/6/13	7 (110-130)				7 (110-130)	3 (190-240)			13 (60-80)					5 (230-310)			
		8020	9/5/13	4 (90-220)				7 (100-120)	5 (160-235)			16 (60-80)	28 (30-40)							
		8029	9/5/13	4 (120-490)				6 (120-140)	5 (170-210)			55 (40-80)							Navanax (3), Musculista (9)	
	Central	8052	9/5/13	2 (90-140)				7 (98-125)	7 (175-220)			69 (50-90)	55 (50-80) + 12 (110-125)	131 (30-70)						
		8060	9/4/13	4 (150-260)				6 (100-150)	6 (150-220)			30 (50-110)	29 (60-110)	50 (30-70)						Brown Shrimp <i>Farfantepenaeus californicus</i> (1), Bulla snail (3)
		8078	9/4/13	5 (130-330)					6 (170-220)											
	North	8109	9/3/13	6 (130-260)				2 (130, 180)	6 (180-200)											
		8118	9/3/13	10 (170-250)				17 (120-200)	2 (190-210)											Brown Shrimp <i>Farfantepenaeus californicus</i> (2)
		8122	9/3/13	7 (96-185)				12 (116-157)	3 (183-215)											

Add-on Trawls
Recommend for Analysis by RHMP - 25 samples total
Additional samples for potential analysis by the City of SD.

***RHMP to cover 2 fish species/site. One extra fish composite (spotted sand bass at Site 8060) chosen to assess comparability between barred and spotted bass since both are not present at all sites.**
****Special Study Funding (City of SD TO 71) to cover 1 extra fish species per site.**

Bight '13 Bioaccumulation Special Study – Tissue Analysis Summary and Instructions (Physis)

RHMP (Proj #5025102302)

May 22, 2014

No.	Sample ID	Species	#Ind/Weight	Instructions
1	B13-8017-BSB	Barred Sand Bass	7	Combine and analyze all 7 fish
2	B13-8017-C	Crustacea	10.3g	Combine and analyze all
3	B13-8017-P	Polychaetes	4.0g	Combine and analyze all
4	B13-8017-RR	Round Rays	5	Combine and analyze all 5 fish
5	B13-8020-BSB	Barred Sand Bass	7	Combine and analyze all fish
6	B13-8020-C	Crustacea	3.3g	Combine and analyze all
7	B13-8020-CH	California Halibut	4	Combine and analyze the 3 smallest fish (~90-150mm)
8	B13-8020-P	Polychaetes	4.4g	Combine and analyze all
9	B13-8029-BSB	Barred Sand Bass	6	Combine and analyze all 7 fish
10	B13-8029-CH	California Halibut	4	Combine and analyze the 3 smallest fish (~120-150mm)
11	B13-8029-M	Molluscs	67.3g	Combine and analyze all
12	B13-8029-P	Polychaetes	5.3g	Combine and analyze all
13	B13-8052-BSB	Barred Sand Bass	7	Combine and analyze all 7 fish
14	B13-8052-CH	California Halibut	2	Combine and analyze both fish (2)
15	B13-8052-M	Molluscs	25.3g	Combine and analyze all
16	B13-8052-P	Polychaetes	4.9g	Combine and analyze all
17	B13-8060-BSB	Barred Sand Bass	6	Combine and analyze all 6 fish
18	B13-8060-C	Crustacea	9.3g	Combine and analyze all
19	B13-8060-CH	California Halibut	4	Combine and analyze the 3 smallest fish (~150-200mm)
20	B13-8060-P	Polychaetes	2.8g	Combine and analyze all
21	B13-8060-SSB	Spotted Sand Bass	6	Combine and analyze the 5 smallest fish
22	B13-8078-C	Crustacea	6.8g	Combine and analyze all samples.
23	B13-8078-CH	California Halibut	5	Combine and analyze the four smallest fish (~150-220 mm)
24	B13-8078-P	Polychaetes	6.0g	Combine and analyze all samples
25	B13-8078-SSB	Spotted Sand Bass	6	Combine and analyze 5 smallest fish
26	B13-8109-BSB	Barred Sand Bass	2	Combine and analyze both fish (2)
27	B13-8109-C	Crustacea	9.3g	Combine and analyze all
28	B13-8109-CH	California Halibut	6	Combine and analyze the 5 smallest fish (~130-200mm).
29	B13-8109-P	Polychaetes	7.8g	Combine and analyze all samples

No.	Sample ID	Species	#Ind/Weight	Instructions
30	B13-8118-BSB (small)	Barred Sand Bass	9	Combine and analyze the 9 smallest fish
31	B13-8118-BSB-D (large)	Barred Sand Bass	8	Duplicate Species Combine and analyze the 8 largest fish.
32	B13-8118-C	Crustacea	37.3g	Combine and analyze all
33	B13-8118-CH (small)	California Halibut	5	Combine and analyze the 5 smallest fish
34	B13-8118-CH-D (large)	California Halibut	5	Duplicate Species Combine and analyze the 5 largest fish
35	B13-8118-P	Polychaetes	3.5g	Combine and analyze all
36	B13-8122-BSB	Barred Sand Bass	12	Combine and analyze all 12 fish
37	B13-8122-C	Crustacea	3.5g	Combine and analyze all
38	B13-8122-CH	California Halibut	7	Combine and analyze the 5 smallest fish (~96-170mm)
39	B13-8122-P	Polychaetes	7.3g	Combine and analyze all
40	B13-8159-CH	California Halibut	5	Combine and analyze the 5 smallest fish
41	B13-8159-P	Polychaetes	5.3g	Combine and analyze all
42	B13-8159-YC	Yellowfin Croaker	9	Combine and analyze all 9 fish
43	B13-8159-S	Shrimp	95g	Combine and analyze all shrimp, excluding crabs
44	B13-8239-CH	California Halibut	1	Analyze the 1 fish
45	B13-8239-P	Polychaetes	7.0g	Combine and analyze all
46	B13-8239-SC	Spotfin Croaker	4	Combine and analyze all 4 fish
47	B13-8239-S	Shrimp	80g	Combine and analyze all shrimp, excluding crabs
52	B13-8239-Q	Queenfish	16	Combine and analyze all 7 fish
48	B13-8263-CH	California Halibut	5	Combine and analyze all 5 fish
49	B13-8263-P	Polychaetes	8.0g	Combine and analyze all
50	B13-8263-S	Shrimp	45g	Combine and analyze all shrimp, excluding crabs
51	B13-8263-SC	Spotfin Croaker	4	Combine and analyze all 4 fish
53	B13-8159-Q	Queenfish	46	Combine and analyze all 46 fish
54	B13-8159-DA	Deepbody Anchovy	8	Combine and analyze all 8 fish
55	B13-8159-SA	Slough Anchovy	27	Combine and analyze all 27 fish

55 Samples Total (RHMP)