

Table E-1. Fourth quarterly survey 4-hour soak time results 05/24/2004

Deployment date:	05/24/2004	Retrieval date:	05/24/2004
Higher high tide, ft. MLLW (time):	11.4 (23:08)	Lower high tide, ft. MLLW (time):	8.4 (07:37)
Higher low tide, ft. MLLW (time):	7.1 (03:51)	Lower low tide, ft. MLLW (time):	-0.5 (16:15)
Crew:	Bob Complita, Shannon Pierce, and Angelita Rodriguez (Windward)		

SAMPLE #	LOCATION		DEPL. TIME	RETR. TIME	SPECIES	LENGTH (MM)	SEX	COMMENTS
	LATITUDE	LONGITUDE						
WWS1	47 34.134	122 21.036	5:45	9:45	<i>C. magister</i>	128	M	Crab trap
WWS1	47 34.134	122 21.036	5:45	9:45	<i>C. magister</i>	151	F	Crab trap
WWS1	47 34.134	122 21.036	5:45	9:45	<i>C. magister</i>	136	M	Crab trap
WWS1	47 34.134	122 21.036	5:45	9:45	<i>C. magister</i>	168	M	Crab trap
WWS1	47 34.134	122 21.036	5:45	9:45	<i>C. magister</i>	162	M	Crab trap
WWS1	47 34.134	122 21.036	5:45	9:45	<i>C. gracilis</i>	103	M	Crab trap
WWS1	47 34.134	122 21.036	5:45	9:45	<i>C. productus</i>	134	F	Crab trap
WWS1	47 34.134	122 21.036	5:45	9:45	<i>C. productus</i>	139	M	Crab trap
WWS1	47 34.134	122 21.036	5:45	9:45	<i>C. productus</i>	143	M	Crab trap
WWS1	47 34.134	122 21.036	5:45	9:45	<i>C. productus</i>	155	M	Crab trap
WWS1	47 34.134	122 21.036	5:45	9:45	<i>C. productus</i>	155	M	Crab trap
WWS1	47 34.134	122 21.036	5:45	9:45	<i>C. productus</i>	158	M	Crab trap
WWS1	47 34.134	122 21.036	5:45	9:45	<i>C. productus</i>	158	M	Crab trap
WWS1	47 34.134	122 21.036	5:45	9:45	<i>C. productus</i>	162	M	Crab trap
WWS1	47 34.134	122 21.036	5:45	9:45	<i>C. productus</i>	168	M	Crab trap
WWS1	47 34.134	122 21.036	5:50	9:45	<i>C. gracilis</i>	104	M	Shrimp trap
WWS1	47 34.134	122 21.036	5:50	9:45	Sculpin (prickly)	50-100		Shrimp trap
WWS2	47 34.134	122 21.036	6:00	10:03	<i>C. gracilis</i>	76	F	Shrimp trap
WWS2	47 34.134	122 21.036	6:00	10:03	<i>C. gracilis</i>	81	F	Shrimp trap
WWS2	47 34.134	122 21.036	6:00	10:03	<i>C. gracilis</i>	92	M	Crab trap
WWS2	47 34.134	122 21.036	6:00	10:03	<i>C. gracilis</i>	92	M	Crab trap
WWS2	47 34.102	122 20.815	6:00	10:03	<i>C. gracilis</i>	93	M	Crab trap
WWS2	47 34.102	122 20.815	6:00	10:03	<i>C. gracilis</i>	93	M	Crab trap
WWS2	47 34.102	122 20.815	6:00	10:03	<i>C. gracilis</i>	94	M	Crab trap
WWS2	47 34.102	122 20.815	6:00	10:03	<i>C. gracilis</i>	96	M	Crab trap
WWS2	47 34.102	122 20.815	6:00	10:03	<i>C. gracilis</i>	97	M	Crab trap
WWS2	47 34.102	122 20.815	6:00	10:03	<i>C. gracilis</i>	98	M	Shrimp trap
WWS2	47 34.102	122 20.815	6:00	10:03	<i>C. gracilis</i>	98	M	Crab trap
WWS2	47 34.102	122 20.815	6:00	10:03	<i>C. gracilis</i>	100	M	Crab trap
WWS2	47 34.102	122 20.815	6:00	10:03	<i>C. gracilis</i>	102	M	Crab trap
WWS2	47 34.102	122 20.815	6:00	10:03	<i>C. gracilis</i>	104	M	Shrimp trap
WWS2	47 34.102	122 20.815	6:00	10:03	<i>C. gracilis</i>	104	M	Crab trap
WWS2	47 34.102	122 20.815	6:00	10:03	<i>C. gracilis</i>	106	M	Crab trap
WWS2	47 34.102	122 20.815	6:00	10:03	<i>C. gracilis</i>	108	M	Crab trap
WWS2	47 34.102	122 20.815	6:00	10:03	<i>C. gracilis</i>	109	M	Crab trap
WWS2	47 34.102	122 20.815	6:00	10:03	<i>C. magister</i>	127	M	Crab trap
WWS2	47 34.102	122 20.815	6:00	10:03	<i>C. magister</i>	127	F	Crab trap
WWS2	47 34.102	122 20.815	6:00	10:03	<i>C. magister</i>	151	M	Crab trap
WWS2	47 34.102	122 20.815	6:00	10:03	<i>C. magister</i>	153	M	Crab trap
WWS2	47 34.102	122 20.815	6:00	10:03	<i>C. magister</i>	160	M	Crab trap

SAMPLE #	LOCATION		DEPL. TIME	RETR. TIME	SPECIES	LENGTH (MM)	SEX	COMMENTS
	LATITUDE	LONGITUDE						
WWS2	47 34.102	122 20.815	6:00	10:03	<i>C. magister</i>	161	M	Crab trap
WWS2	47 34.102	122 20.815	6:00	10:03	<i>C. magister</i>	164	M	Crab trap
WWS2	47 34.102	122 20.815	6:00	10:03	<i>C. magister</i>	165	M	Crab trap
WWS3	47 34.028	122 20.923	6:08	10:18	Sunflower Star			Crab trap
WWS3	47 34.028	122 20.923	6:08	10:18	<i>C. gracilis</i>	97	M	Crab trap
WWS3	47 34.028	122 20.923	6:08	10:18	<i>C. magister</i>	141	M	Crab trap
WWS3	47 34.028	122 20.923	6:08	10:18	<i>C. magister</i>	142	M	Crab trap
WWS3	47 34.028	122 20.923	6:08	10:18	<i>C. magister</i>	143	M	Crab trap
WWS3	47 34.028	122 20.923	6:08	10:18	<i>C. magister</i>	165	M	Crab trap
WWS3	47 34.028	122 20.923	6:08	10:18	<i>C. productus</i>	155	M	Crab trap
WWS3	47 34.028	122 20.923	6:10	10:18	Sculpin (staghorn?)	50-100		Shrimp trap
WWS4	47 33.964	122 20.818	6:15	10:33	<i>C. gracilis</i>	87	M	Crab trap
WWS4	47 33.964	122 20.818	6:15	10:33	<i>C. gracilis</i>	97	M	Crab trap
WWS4	47 33.964	122 20.818	6:15	10:33	<i>C. gracilis</i>	101	M	Crab trap
WWS4	47 33.964	122 20.818	6:15	10:33	<i>C. gracilis</i>	101	M	Crab trap
WWS4	47 33.964	122 20.818	6:15	10:33	<i>C. gracilis</i>	103	M	Crab trap
WWS4	47 33.964	122 20.818	6:15	10:33	<i>C. gracilis</i>	104	M	Crab trap
WWS4	47 33.964	122 20.818	6:15	10:33	<i>C. gracilis</i>	105	M	Crab trap
WWS4	47 33.964	122 20.818	6:15	10:33	<i>C. magister</i>	145	M	Crab trap
WWS4	47 33.964	122 20.818	6:15	10:33	<i>C. magister</i>	153	M	Crab trap
WWS4	47 33.964	122 20.818	6:15	10:33	Sunflower Star			Crab trap
WWS4	47 33.964	122 20.818	6:20	10:33	<i>C. gracilis</i>	98	M	Shrimp trap
WWS4	47 33.964	122 20.818	6:20	10:33	<i>C. gracilis</i>	101	M	Shrimp trap
WWS5	47 33.886	122 20.882	6:23	10:43	<i>C. magister</i>	147	M	Crab trap
WWS5	47 33.886	122 20.882	6:23	10:43	<i>C. magister</i>	154	M	Crab trap
WWS5	47 33.886	122 20.882	6:23	10:43	<i>C. magister</i>	154	M	Crab trap
WWS5	47 33.886	122 20.882	6:23	10:43	<i>C. magister</i>	155	F	Crab trap
WWS5	47 33.886	122 20.882	6:23	10:43	<i>C. magister</i>	155	M	Crab trap
WWS5	47 33.886	122 20.882	6:23	10:43	<i>C. magister</i>	160	M	Crab trap
WWS5	47 33.886	122 20.882	6:23	10:43	<i>C. magister</i>	160	M	Crab trap
WWS5	47 33.886	122 20.882	6:23	10:43	<i>C. magister</i>	190	M	Crab trap
WWS5	47 33.886	122 20.882	6:23	10:43	<i>C. gracilis</i>	95	M	Crab trap
WWS5	47 33.886	122 20.882	6:23	10:43	<i>C. gracilis</i>	101	M	Crab trap
WWS5	47 33.886	122 20.882	6:23	10:43	Sunflower Star			Crab trap
WWS5	47 33.886	122 20.882	6:23	10:43	Sunflower Star			Crab trap
WWS5	47 33.886	122 20.882	6:23	10:43	Sunflower Star			Crab trap
WWS5	47 33.886	122 20.882	6:25	10:43	Sunflower Star			Shrimp trap
WWS5	47 33.886	122 20.882	6:25	10:43	<i>C. gracilis</i>	90	M	Shrimp trap
WWS5	47 33.886	122 20.882	6:25	10:43	Spider crab	29		Shrimp trap, Photos taken
WWS5	47 33.886	122 20.882	6:25	10:43	Shiner surfperch	50-100		Shrimp trap
WWS6	47 33.808	122 20.788	6:30	10:55	<i>C. gracilis</i>	81	F	Crab trap
WWS6	47 33.808	122 20.788	6:30	10:55	<i>C. gracilis</i>	103	M	Crab trap
WWS6	47 33.808	122 20.788	6:30	10:55	<i>C. gracilis</i>	110	M	Crab trap
WWS6	47 33.808	122 20.788	6:33	10:55	<i>C. gracilis</i>	90	M	Shrimp trap
WWS6	47 33.808	122 20.788	6:33	10:55	<i>C. gracilis</i>	94	M	Shrimp trap
WWS6	47 33.808	122 20.788	6:33	10:55	<i>C. gracilis</i>	97	M	Shrimp trap
WWS6	47 33.808	122 20.788	6:33	10:55	<i>C. gracilis</i>	103	M	Shrimp trap

SAMPLE #	LOCATION		DEPL. TIME	RETR. TIME	SPECIES	LENGTH (MM)	SEX	COMMENTS
	LATITUDE	LONGITUDE						
WWS6	47 33.808	122 20.788	6:33	10:55	<i>C. gracilis</i>	105	M	Shrimp trap
WWS6	47 33.808	122 20.788	6:33	10:55	Sculpin?*	50-100		Shrimp trap, Photos taken
WWS7	47 33.738	122 20.893	6:36	11:05	<i>C. gracilis</i>	75	F	Crab trap
WWS7	47 33.738	122 20.893	6:36	11:05	<i>C. gracilis</i>	78	F	Crab trap
WWS7	47 33.738	122 20.893	6:36	11:05	<i>C. gracilis</i>	86	F	Crab trap
WWS7	47 33.738	122 20.893	6:36	11:05	<i>C. gracilis</i>	88	M	Crab trap
WWS7	47 33.738	122 20.893	6:36	11:05	<i>C. gracilis</i>	95	M	Crab trap
WWS7	47 33.738	122 20.893	6:36	11:05	<i>C. gracilis</i>	96	M	Crab trap
WWS7	47 33.738	122 20.893	6:36	11:05	<i>C. gracilis</i>	104	M	Crab trap
WWS7	47 33.738	122 20.893	6:38	11:05	<i>C. gracilis</i>	83	M	Shrimp trap
WWS7	47 33.738	122 20.893	6:38	11:05	<i>C. gracilis</i>	99	M	Shrimp trap
WWS8	47 33.713	122 20.756	6:42	11:14	<i>C. productus</i>	128	F	Crab trap
WWS8	47 33.713	122 20.756	6:42	11:14	<i>C. productus</i>	146	M	Crab trap
WWS8	47 33.713	122 20.756	6:42	11:14	<i>C. productus</i>	152	M	Crab trap
WWS8	47 33.713	122 20.756	6:42	11:14	<i>C. magister</i>	146	F	Crab trap
WWS8	47 33.713	122 20.756	6:42	11:14	<i>C. magister</i>	152	M	Crab trap
WWS8	47 33.713	122 20.756	6:42	11:14	<i>C. gracilis</i>	71	F	Crab trap
WWS8	47 33.713	122 20.756	6:42	11:14	<i>C. gracilis</i>	96	M	Crab trap
WWS8	47 33.713	122 20.756	6:45	11:14	<i>C. gracilis</i>	73	F	Shrimp trap
WWS8	47 33.713	122 20.756	6:45	11:14	<i>C. gracilis</i>	92	M	Shrimp trap
WWS8	47 33.713	122 20.756	6:45	11:14	<i>C. gracilis</i>	95	M	Shrimp trap
WWS8	47 33.713	122 20.756	6:45	11:14	<i>C. gracilis</i>	102	M	Shrimp trap
WWS9	47 33.600	122 20.811	6:50	11:28	<i>C. gracilis</i>	72	F	Crab trap
WWS9	47 33.600	122 20.811	6:50	11:28	<i>C. gracilis</i>	81	F	Crab trap
WWS9	47 33.600	122 20.811	6:53	11:28	<i>C. gracilis</i>	77	F	Shrimp trap, Gravid
WWS9	47 33.600	122 20.811	6:53	11:28	<i>C. gracilis</i>	79	M	Shrimp trap
WWS9	47 33.600	122 20.811	6:53	11:28	<i>C. gracilis</i>	81	F	Shrimp trap, Gravid
WWS9	47 33.600	122 20.811	6:53	11:28	<i>C. gracilis</i>	83	M	Shrimp trap
WWS9	47 33.600	122 20.811	6:53	11:28	<i>C. gracilis</i>	87	F	Shrimp trap
WWS9	47 33.600	122 20.811	6:53	11:28	<i>C. gracilis</i>	90	M	Shrimp trap
WWS9	47 33.600	122 20.811	6:53	11:28	<i>C. gracilis</i>	97	M	Shrimp trap
WWS9	47 33.600	122 20.811	6:50	11:28	<i>C. magister</i>	127	M	Crab trap
WWS9	47 33.600	122 20.811	6:50	11:28	<i>C. magister</i>	141	M	Crab trap
WWS9	47 33.600	122 20.811	6:50	11:28	<i>C. magister</i>	142	M	Crab trap
WWS9	47 33.600	122 20.811	6:50	11:28	<i>C. magister</i>	150	M	Crab trap
WWS9	47 33.600	122 20.811	6:53	11:28	Jellyfish			Shrimp trap, Photos taken
WWS10	47 33.586	122 20.685	6:57	11:39	<i>C. magister</i>	144	M	Crab trap
WWS10	47 33.586	122 20.685	6:57	11:39	<i>C. magister</i>	145	M	Crab trap
WWS10	47 33.586	122 20.685	6:57	11:39	<i>C. magister</i>	146	M	Crab trap
WWS10	47 33.586	122 20.685	6:57	11:39	<i>C. magister</i>	152	F	Crab trap
WWS10	47 33.586	122 20.685	6:57	11:39	<i>C. magister</i>	152	M	Crab trap
WWS10	47 33.586	122 20.685	6:57	11:39	<i>C. magister</i>	165	M	Crab trap
WWS10	47 33.586	122 20.685	6:57	11:39	<i>C. gracilis</i>	78	F	Crab trap
WWS10	47 33.586	122 20.685	6:57	11:39	<i>C. gracilis</i>	87	M	Crab trap
WWS10	47 33.586	122 20.685	6:57	11:39	<i>C. gracilis</i>	96	M	Crab trap
WWS10	47 33.586	122 20.685	6:57	11:39	<i>C. gracilis</i>	102	M	Crab trap

SAMPLE #	LOCATION		DEPL. TIME	RETR. TIME	SPECIES	LENGTH (MM)	SEX	COMMENTS
	LATITUDE	LONGITUDE						
VWS10	47 33.586	122 20.685	7:00	11:39				Shrimp trap, empty

Table E-2. Fourth quarterly survey 4-hour soak time results 05/25/2004

Deployment date:	05/25/2004	Retrieval date:	05/25/2004
Higher high tide, ft. MLLW (time):	11.1 (23:51)	Lower high tide, ft. MLLW (time):	6.8 (04:56)
Higher low tide, ft. MLLW (time):	7.9 (08:31)	Lower low tide, ft. MLLW (time):	0.2 (16:01)
Crew:	Bob Complita, Shannon Pierce, and Megan Schedler (Windward)		

SAMPLE #	LOCATION		DEPL. TIME	RETR. TIME	SPECIES	LENGTH (MM)	SEX	COMMENTS
	LATITUDE	LONGITUDE						
WWS11	47 33.505	122 20.706	6:33	10:28	<i>C. gracilis</i>	83	M	Crab trap
WWS11	47 33.505	122 20.706	6:33	10:28	<i>C. gracilis</i>	96	M	Crab trap
WWS11	47 33.505	122 20.706	6:33	10:28	<i>C. gracilis</i>	101	M	Crab trap
WWS11	47 33.505	122 20.706	6:33	10:28	<i>C. gracilis</i>	104	M	Crab trap
WWS11	47 33.505	122 20.706	6:33	10:28	<i>C. gracilis</i>	108	M	Crab trap
WWS11	47 33.505	122 20.706	6:33	10:28	<i>C. magister</i>	120	F	Crab trap
WWS11	47 33.505	122 20.706	6:33	10:28	<i>C. magister</i>	132	F	Crab trap
WWS11	47 33.505	122 20.706	6:33	10:28	<i>C. magister</i>	153	M	Crab trap
WWS11	47 33.505	122 20.706	6:33	10:28	<i>C. magister</i>	163	F	Crab trap
WWS11	47 33.505	122 20.706	6:35	10:28	<i>C. gracilis</i>	91	M	Shrimp trap
WWS11	47 33.505	122 20.706	6:35	10:28	<i>C. gracilis</i>	101	M	Shrimp trap
WWS12	47 33.394	122 20.455	6:42	6:44	Removed crab and Shrimp trap. Reset on 5/26			
WWS13	47 33.365	122 20.606	6:48	10:40	<i>C. gracilis</i>	79	F	Crab trap
WWS13	47 33.365	122 20.606	6:48	10:40	<i>C. gracilis</i>	96	M	Crab trap
WWS13	47 33.365	122 20.606	6:48	10:40	<i>C. gracilis</i>	99	M	Crab trap
WWS13	47 33.365	122 20.606	6:48	10:40	<i>C. gracilis</i>	101	M	Crab trap
WWS13	47 33.365	122 20.606	6:48	10:40	<i>C. magister</i>	143	M	Crab trap
WWS13	47 33.365	122 20.606	6:48	10:40	<i>C. magister</i>	151	M	Crab trap
WWS13	47 33.365	122 20.606	6:48	10:40	<i>C. magister</i>	162	M	Crab trap
WWS13	47 33.365	122 20.606	6:48	10:40	<i>C. magister</i>	164	M	Crab trap
WWS13	47 33.365	122 20.606	6:48	10:40	Sunflower Star			Crab trap, Photo taken
WWS13	47 33.365	122 20.606	6:50	10:40	Staghorn Sculpin	100-150		Shrimp trap
WWS13	47 33.365	122 20.606	6:50	10:40	<i>C. gracilis</i>	73	F	Shrimp trap
WWS13	47 33.365	122 20.606	6:50	10:40	<i>C. gracilis</i>	77	F	Shrimp trap, Gravid
WWS13	47 33.365	122 20.606	6:50	10:40	<i>C. gracilis</i>	81	F	Shrimp trap
WWS14	47 33.333	122 20.786	6:55	10:51	<i>C. gracilis</i>	94	M	Crab trap
WWS14	47 33.333	122 20.786	6:55	10:51	<i>C. gracilis</i>		F	Crab trap, Crab fell out of trap during retrieval
WWS14	47 33.333	122 20.786	6:55	10:51	<i>C. gracilis</i>		F	Crab trap, Crab fell out of trap during retrieval
WWS14	47 33.333	122 20.786	6:57	10:51	<i>C. gracilis</i>	59	F	Shrimp trap
WWS14	47 33.333	122 20.786	6:57	10:51	<i>C. gracilis</i>	88	M	Shrimp trap
WWS14	47 33.333	122 20.786	6:57	10:51	<i>C. gracilis</i>	92	M	Shrimp trap
WWS14	47 33.333	122 20.786	6:57	10:51	<i>C. gracilis</i>	101	M	Shrimp trap

SAMPLE #	LOCATION		DEPL. TIME	RETR. TIME	SPECIES	LENGTH (MM)	SEX	COMMENTS
	LATITUDE	LONGITUDE						
WWS14	47 33.333	122 20.786	6:57	10:51	<i>C. gracilis</i>	102	M	Shrimp trap
WWS15	47 33.235	122 20.516	7:02	11:01	<i>C. gracilis</i>	82	F	Crab trap
WWS15	47 33.235	122 20.516	7:02	11:01	<i>C. gracilis</i>	82	F	Crab trap
WWS15	47 33.235	122 20.516	7:02	11:01	<i>C. gracilis</i>	93	M	Crab trap
WWS15	47 33.235	122 20.516	7:02	11:01	<i>C. gracilis</i>	94	M	Crab trap
WWS15	47 33.235	122 20.516	7:02	11:01	<i>C. gracilis</i>	105	M	Crab trap
WWS15	47 33.235	122 20.516	7:02	11:01	<i>C. gracilis</i>	106	M	Crab trap
WWS15	47 33.235	122 20.516	7:02	11:01	<i>C. magister</i>	136	M	Crab trap
WWS15	47 33.235	122 20.516	7:02	11:01	<i>C. magister</i>	142	M	Crab trap
WWS15	47 33.235	122 20.516	7:02	11:01	<i>C. magister</i>	166	M	Crab trap
WWS15	47 33.235	122 20.516	7:04	11:01	<i>C. gracilis</i>	67	F	Shrimp trap
WWS15	47 33.235	122 20.516	7:04	11:01	<i>C. gracilis</i>	100	M	Shrimp trap
WWS15	47 33.235	122 20.516	7:04	11:01	Staghorn Sculpin	100-150		Shrimp trap
WWS16	47 33.119	122 20.424	7:08	11:13	<i>C. gracilis</i>	76	M	Crab trap
WWS16	47 33.119	122 20.424	7:08	11:13	<i>C. gracilis</i>	77	F	Crab trap, Gravid
WWS16	47 33.119	122 20.424	7:08	11:13	<i>C. gracilis</i>	77	F	Crab trap
WWS16	47 33.119	122 20.424	7:08	11:13	<i>C. gracilis</i>	79	F	Crab trap
WWS16	47 33.119	122 20.424	7:08	11:13	<i>C. gracilis</i>	82	M	Crab trap
WWS16	47 33.119	122 20.424	7:08	11:13	<i>C. gracilis</i>	90	M	Crab trap
WWS16	47 33.119	122 20.424	7:08	11:13	<i>C. gracilis</i>	92	M	Crab trap
WWS16	47 33.119	122 20.424	7:08	11:13	<i>C. gracilis</i>	94	M	Crab trap
WWS16	47 33.119	122 20.424	7:08	11:13	<i>C. gracilis</i>	94	M	Crab trap
WWS16	47 33.119	122 20.424	7:08	11:13	<i>C. gracilis</i>	95	M	Crab trap
WWS16	47 33.119	122 20.424	7:08	11:13	<i>C. gracilis</i>	97	M	Crab trap
WWS16	47 33.119	122 20.424	7:08	11:13	<i>C. gracilis</i>	97	M	Crab trap
WWS16	47 33.119	122 20.424	7:08	11:13	<i>C. gracilis</i>	98	M	Crab trap
WWS16	47 33.119	122 20.424	7:08	11:13	<i>C. gracilis</i>	99	M	Crab trap
WWS16	47 33.119	122 20.424	7:08	11:13	<i>C. gracilis</i>	102	M	Crab trap
WWS16	47 33.119	122 20.424	7:08	11:13	<i>C. gracilis</i>	?	F	Crab trap
WWS16	47 33.119	122 20.424	7:10	11:13	<i>C. gracilis</i>	71	F	Shrimp trap, Gravid
WWS16	47 33.119	122 20.424	7:10	11:13	<i>C. gracilis</i>	74	F	Shrimp trap, Gravid
WWS16	47 33.119	122 20.424	7:10	11:13	<i>C. gracilis</i>	86	F	Shrimp trap, Gravid
WWS16	47 33.119	122 20.424	7:10	11:13	<i>C. gracilis</i>	90	M	Shrimp trap
WWS16	47 33.119	122 20.424	7:10	11:13	<i>C. gracilis</i>	93	M	Shrimp trap
WWS16	47 33.119	122 20.424	7:10	11:13	<i>C. gracilis</i>	105	M	Shrimp trap
WWS17	47 32.997	122 20.424	7:15	11:23	<i>C. gracilis</i>	98	M	Crab trap
WWS17	47 32.997	122 20.424	7:15	11:23	<i>C. gracilis</i>	106	M	Crab trap
WWS17	47 32.997	122 20.424	7:15	11:23	<i>C. magister</i>	154	M	Crab trap
WWS17	47 32.997	122 20.424	7:15	11:23	<i>C. magister</i>	154	M	Crab trap
WWS17	47 32.997	122 20.424	7:15	11:23	<i>C. magister</i>	168	M	Crab trap
WWS17	47 32.997	122 20.424	7:15	11:23	<i>C. magister</i>	170	M	Crab trap
WWS17	47 32.997	122 20.424	7:17	11:23	<i>C. gracilis</i>	78	F	Shrimp trap
WWS17	47 32.997	122 20.424	7:17	11:23	<i>C. gracilis</i>	96	M	Shrimp trap
WWS17	47 32.997	122 20.424	7:17	11:23	Staghorn Sculpin (2)	100-150		Shrimp trap

SAMPLE #	LOCATION		DEPL. TIME	RETR. TIME	SPECIES	LENGTH (MM)	SEX	COMMENTS
	LATITUDE	LONGITUDE						
WWS17	47 32.997	122 20.424	7:17	11:23	Staghorn Sculpin (1)	50-100		Shrimp trap
WWS17	47 32.997	122 20.424	7:17	11:23	Saddleback Gunnel			Shrimp trap, Photo taken
WWS18	47 32.905	122 20.334	7:20	11:34	<i>C. gracilis</i>	90	M	Crab trap
WWS18	47 32.905	122 20.334	7:20	11:34	<i>C. gracilis</i>	100	M	Crab trap
WWS18	47 32.905	122 20.334	7:20	11:34	<i>C. gracilis</i>	102	M	Crab trap
WWS18	47 32.905	122 20.334	7:20	11:34	<i>C. gracilis</i>	102	M	Crab trap
WWS18	47 32.905	122 20.334	7:20	11:34	<i>C. gracilis</i>	103	M	Crab trap
WWS18	47 32.905	122 20.334	7:20	11:34	<i>C. gracilis</i>	104	M	Crab trap
WWS18	47 32.905	122 20.334	7:20	11:34	<i>C. gracilis</i>	108	M	Crab trap
WWS18	47 32.905	122 20.334	7:20	11:34	<i>C. magister</i>	155	M	Crab trap
WWS18	47 32.905	122 20.334	7:20	11:34	<i>C. magister</i>	168	M	Crab trap
WWS18	47 32.905	122 20.334	7:20	11:34	<i>C. productus</i>	165	M	Crab trap, Photo taken
WWS18	47 32.905	122 20.334	7:22	11:34	<i>C. gracilis</i>	82	M	Shrimp trap
WWS18	47 32.905	122 20.334	7:22	11:34	Staghorn Sculpin	100-150		Shrimp trap
WWS19	47 32.789	122 20.324	7:43	11:49	<i>C. gracilis</i>	87	M	Crab trap
WWS19	47 32.789	122 20.324	7:43	11:49	<i>C. gracilis</i>	106	M	Crab trap
WWS19	47 32.789	122 20.324	7:43	11:49	<i>C. gracilis</i>	110	M	Crab trap
WWS19	47 32.789	122 20.324	7:45	11:49	Shrimp trap, empty			
WWS20	47 32.780	122 20.168	7:48	11:56	<i>C. gracilis</i>	79	F	Crab trap, Gravid
WWS20	47 32.780	122 20.168	7:48	11:56	<i>C. gracilis</i>	79	F	Crab trap, Gravid
WWS20	47 32.780	122 20.168	7:48	11:56	<i>C. gracilis</i>	83	M	Crab trap
WWS20	47 32.780	122 20.168	7:48	11:56	<i>C. gracilis</i>	83	F	Crab trap
WWS20	47 32.780	122 20.168	7:48	11:56	<i>C. gracilis</i>	92	M	Crab trap
WWS20	47 32.780	122 20.168	7:48	11:56	<i>C. gracilis</i>	98	M	Crab trap
WWS20	47 32.780	122 20.168	7:48	11:56	<i>C. gracilis</i>	100	M	Crab trap
WWS20	47 32.780	122 20.168	7:48	11:56	<i>C. gracilis</i>	107	M	Crab trap
WWS20	47 32.780	122 20.168	7:50	11:56	<i>C. gracilis</i>	95	M	Shrimp trap
WWS21	47 32.657	122 20.219	7:53	12:07	<i>C. magister</i>	168	M	Crab trap
WWS21	47 32.657	122 20.219	7:53	12:07	<i>C. productus</i>	132	F	Crab trap
WWS21	47 32.657	122 20.219	7:53	12:07	<i>C. gracilis</i>	73	F	Crab trap, Gravid
WWS21	47 32.657	122 20.219	7:53	12:07	<i>C. gracilis</i>	78	F	Crab trap, Gravid
WWS21	47 32.657	122 20.219	7:53	12:07	<i>C. gracilis</i>	93	M	Crab trap
WWS21	47 32.657	122 20.219	7:53	12:07	<i>C. gracilis</i>	95	M	Crab trap
WWS21	47 32.657	122 20.219	7:53	12:07	<i>C. gracilis</i>	95	M	Crab trap
WWS21	47 32.657	122 20.219	7:53	12:07	<i>C. gracilis</i>	96	M	Crab trap
WWS21	47 32.657	122 20.219	7:53	12:07	<i>C. gracilis</i>	98	M	Crab trap
WWS21	47 32.657	122 20.219	7:53	12:07	<i>C. gracilis</i>	101	M	Crab trap
WWS21	47 32.657	122 20.219	7:53	12:07	<i>C. gracilis</i>	102	M	Crab trap
WWS21	47 32.657	122 20.219	7:53	12:07	<i>C. gracilis</i>	108	M	Crab trap
WWS21	47 32.657	122 20.219	7:55	12:07	Decorator crab	8		Shrimp trap, Photo taken

SAMPLE #	LOCATION		DEPL. TIME	RETR. TIME	SPECIES	LENGTH (MM)	SEX	COMMENTS
	LATITUDE	LONGITUDE						
WWS21	47 32.657	122 20.219	7:55	12:07	Shiner surfperch	100-150		Shrimp trap
WWS21	47 32.657	122 20.219	7:55	12:07	Staghorn Sculpin	100-150		Shrimp trap

Table E-3. Fourth quarterly survey 4-hour soak time results, 05/26/2004

Deployment date:	05/26/2004	Retrieval date:	05/26/2004
Higher high tide, ft. MLLW (time):	7.3 (09:46)	Lower high tide, ft. MLLW (time):	None
Higher low tide, ft. MLLW (time):	6.3 (06:05)	Lower low tide, ft. MLLW (time):	0.9 (16:52)
Crew:	Bob Complita, Thai Do, and Angelita Rodriguez (Windward)		

SAMPLE #	LOCATION		DEPL. TIME	RETR. TIME	SPECIES	LENGTH (MM)	SEX	COMMENTS
	LATITUDE	LONGITUDE						
WWS23	47 32.542	122 20.120	7:48	11:55	<i>C. gracilis</i>	83	F	Crab trap
WWS23	47 32.542	122 20.120	7:48	11:55	<i>C. gracilis</i>	86	F	Crab trap
WWS23	47 32.542	122 20.120	7:48	11:55	<i>C. gracilis</i>	88	M	Crab trap
WWS23	47 32.542	122 20.120	7:48	11:55	<i>C. gracilis</i>	91	M	Crab trap
WWS23	47 32.542	122 20.120	7:48	11:55	<i>C. gracilis</i>	94	M	Crab trap
WWS23	47 32.542	122 20.120	7:48	11:55	<i>C. gracilis</i>	91	M	Crab trap
WWS23	47 32.542	122 20.120	7:48	11:55	<i>C. gracilis</i>	91	M	Crab trap
WWS23	47 32.542	122 20.120	7:48	11:55	<i>C. gracilis</i>	109	M	Crab trap
WWS23	47 32.542	122 20.120	7:50	11:55	<i>C. gracilis</i>	61	F	Shrimp trap
WWS23	47 32.542	122 20.120	7:50	11:55	<i>C. gracilis</i>	77	F	Shrimp trap, Gravid
WWS23	47 32.542	122 20.120	7:50	11:55	<i>C. gracilis</i>	88	M	Shrimp trap
WWS22	47 32.563	122 19.892	7:55	12:08	<i>C. gracilis</i>	61	F	Crab trap
WWS22	47 32.563	122 19.892	7:55	12:08	<i>C. gracilis</i>	70	M	Crab trap
WWS22	47 32.563	122 19.892	7:55	12:08	<i>C. gracilis</i>		F	Crab trap, Crab fell out of trap during retrieval
WWS22	47 32.563	122 19.892	7:57	12:08				Shrimp trap, empty
WWS24	47 32.424	122 19.941	8:02	12:15	<i>C. gracilis</i>	84	M	Crab trap
WWS24	47 32.424	122 19.941	8:02	12:15	<i>C. gracilis</i>	87	M	Crab trap
WWS24	47 32.424	122 19.941	8:02	12:15	<i>C. gracilis</i>	89	M	Crab trap
WWS24	47 32.424	122 19.941	8:02	12:15	<i>C. gracilis</i>	94	M	Crab trap
WWS24	47 32.424	122 19.941	8:03	12:15	<i>C. gracilis</i>	68	F	Shrimp trap
WWS24	47 32.424	122 19.941	8:03	12:15	<i>C. gracilis</i>	70	F	Shrimp trap
WWS24	47 32.424	122 19.941	8:03	12:15	<i>C. gracilis</i>	71	F	Shrimp trap
WWS24	47 32.424	122 19.941	8:03	12:15	<i>C. gracilis</i>	83	M	Shrimp trap
WWS24	47 32.424	122 19.941	8:03	12:15	<i>C. gracilis</i>	85	M	Shrimp trap
WWS24	47 32.424	122 19.941	8:03	12:15	<i>C. gracilis</i>	86	M	Shrimp trap
WWS24	47 32.424	122 19.941	8:03	12:15	<i>C. gracilis</i>	89	M	Shrimp trap
WWS24	47 32.424	122 19.941	8:03	12:15	<i>C. gracilis</i>	90	M	Shrimp trap
WWS24	47 32.424	122 19.941	8:03	12:15	<i>C. gracilis</i>	91	M	Shrimp trap
WWS24	47 32.424	122 19.941	8:03	12:15	<i>C. gracilis</i>	92	M	Shrimp trap
WWS24	47 32.424	122 19.941	8:03	12:15	<i>C. gracilis</i>	93	M	Shrimp trap
WWS25	Station moved due to barges.							
WWS25	47 32.352	122 19.702	8:08	12:25	<i>C. gracilis</i>	90	M	Crab trap
WWS25	47 32.352	122 19.702	8:08	12:25	<i>C. gracilis</i>		M	Crab trap, Crab fell out of trap during retrieval

SAMPLE #	LOCATION		DEPL. TIME	RETR. TIME	SPECIES	LENGTH (MM)	SEX	COMMENTS
	LATITUDE	LONGITUDE						
WWS25	47 32.352	122 19.702	8:10	12:26	Staghorn Sculpin	50-100		Shrimp trap
WWS25	47 32.352	122 19.702	8:10	12:26	<i>C. gracilis</i>	82	M	Shrimp trap
WWS26	47 32.240	122 19.664	8:12	12:34	<i>C. gracilis</i>	76	F	Crab trap
WWS26	47 32.240	122 19.664	8:12	12:34	<i>C. gracilis</i>	77	F	Crab trap
WWS26	47 32.240	122 19.664	8:12	12:34	<i>C. gracilis</i>	102	M	Crab trap
WWS26	47 32.240	122 19.664	8:12	12:34	<i>C. magister</i>	129	F	Crab trap
WWS26	47 32.240	122 19.664	8:14	12:36	<i>C. gracilis</i>	62	M	Shrimp trap
WWS26	47 32.240	122 19.664	8:14	12:36	<i>C. gracilis</i>	92	M	Shrimp trap
WWS27	Station moved due to barges.							
WWS27	47 32.131	122 19.510	8:20	12:46	<i>C. gracilis</i>	78	F	Crab trap
WWS27	47 32.131	122 19.510	8:20	12:45	<i>C. gracilis</i>	100	M	Crab trap
WWS27	47 32.131	122 19.510	8:20	12:45	<i>C. gracilis</i>	100	M	Crab trap
WWS27	47 32.131	122 19.510	8:22	12:46	<i>C. gracilis</i>	51	F	Shrimp trap
WWS27	47 32.131	122 19.510	8:22	12:46	<i>C. gracilis</i>	71	F	Shrimp trap
WWS27	47 32.131	122 19.510	8:22	12:46	<i>C. gracilis</i>	75	F	Shrimp trap, Gravid
WWS27	47 32.131	122 19.510	8:22	12:46	<i>C. gracilis</i>	75	F	Shrimp trap
WWS27	47 32.131	122 19.510	8:22	12:46	<i>C. gracilis</i>	87	M	Shrimp trap
WWS27	47 32.131	122 19.510	8:22	12:46	<i>C. gracilis</i>	88	M	Shrimp trap
WWS27	47 32.131	122 19.510	8:22	12:46	<i>C. gracilis</i>	90	M	Shrimp trap
WWS27	47 32.131	122 19.510	8:22	12:46	<i>C. gracilis</i>	90	M	Shrimp trap
WWS27	47 32.131	122 19.510	8:22	12:46	Staghorn Sculpin	50-100		Shrimp trap
WWS28	47 32.135	122 19.164	8:26	12:57	<i>C. gracilis</i>	83	M	Crab trap
WWS28	47 32.135	122 19.164	8:26	12:57	<i>C. gracilis</i>	92	M	Crab trap
WWS28	47 32.135	122 19.164	8:26	12:57	<i>C. gracilis</i>	102	M	Crab trap
WWS28	47 32.135	122 19.164	8:26	12:57	<i>C. gracilis</i>			Crab trap, 3 crabs fell overboard
WWS28	47 32.135	122 19.164	8:27	12:58	<i>C. gracilis</i>	73	M	Shrimp trap
WWS28	47 32.135	122 19.164	8:27	12:58	Staghorn sculpin	50-100		Shrimp trap
WWS29	47 32.046	122 19.315	8:33	13:05	<i>C. gracilis</i>	100	M	Crab trap
WWS29	47 32.046	122 19.315	8:33	13:05	<i>C. gracilis</i>	75	F	Crab trap
WWS29	47 32.046	122 19.315	8:33	13:05	<i>C. gracilis</i>			Crab trap, 1 fell overboard
WWS29	47 32.046	122 19.315	8:35	13:06	<i>C. gracilis</i>	97	M	Shrimp trap
WWS30	47 31.937	122 19.186	8:41	13:15	<i>C. gracilis</i>	84	M	Crab trap
WWS30	47 31.937	122 19.186	8:41	13:15	<i>C. gracilis</i>	86	F	Crab trap, Gravid
WWS30	47 31.937	122 19.186	8:41	13:15	<i>C. gracilis</i>	93	M	Crab trap
WWS30	47 31.937	122 19.186	8:41	13:15	<i>C. gracilis</i>	94	M	Crab trap
WWS30	47 31.937	122 19.186	8:41	13:15	<i>C. gracilis</i>	102	M	Crab trap
WWS30	47 31.937	122 19.186	8:41	13:15	<i>C. gracilis</i>	107	M	Crab trap
WWS30	47 31.937	122 19.186	8:41	13:15	<i>C. magister</i>	145	M	Crab trap
WWS30	47 31.937	122 19.186	8:41	13:15	<i>C. magister</i>	167	M	Crab trap
WWS30	47 31.937	122 19.186	8:41	13:15	<i>C. magister</i>	173	M	Crab trap
WWS30	47 31.937	122 19.186	8:43	13:16	<i>C. gracilis</i>	57	F	Shrimp trap
WWS30	47 31.937	122 19.186	8:43	13:16	<i>C. gracilis</i>	58	F	Shrimp trap

SAMPLE #	LOCATION		DEPL. TIME	RETR. TIME	SPECIES	LENGTH (MM)	SEX	COMMENTS
	LATITUDE	LONGITUDE						
WWS30	47 31.937	122 19.186	8:43	13:16	<i>C. gracilis</i>	59	F	Shrimp trap
WWS30	47 31.937	122 19.186	8:43	13:16	<i>C. gracilis</i>	96	M	Shrimp trap
WWS12	47 33.394	122 20.455	8:57	13:35	<i>C. magister</i>	142	M	Crab trap
WWS12	47 33.394	122 20.455	8:57	13:35	<i>C. gracilis</i>	69	M	Crab trap
WWS12	47 33.394	122 20.455	8:57	13:35	<i>C. gracilis</i>	92	M	Crab trap
WWS12	47 33.394	122 20.455	8:57	13:35	<i>C. gracilis</i>	97	M	Crab trap
WWS12	47 33.394	122 20.455	8:57	13:35	<i>C. gracilis</i>			Crab trap, 1 fell overboard
WWS12	47 33.394	122 20.455	9:00	13:36	<i>C. gracilis</i>	80	F	Shrimp trap
WWS12	47 33.394	122 20.455	9:00	13:36	<i>C. gracilis</i>	104	M	Shrimp trap

Table E-4. Fourth quarterly survey 4-hour soak time results 05/27/2004

Deployment date:	5/27/2004	Retrieval date:	05/27/2004
Higher high tide, ft. MLLW (time):	5.4 (07:04)	Lower high tide, ft. MLLW (time):	1.8 (17:46)
Higher low tide, ft. MLLW (time):	11.1 (00:30)	Lower low tide, ft. MLLW (time):	6.9(11:17)
Crew:	Bob Complita, Derek Pelletier, and Megan Schedler (Windward)		

SAMPLE #	LOCATION		DEPL. TIME	RETR. TIME	SPECIES	LENGTH (MM)	SEX	COMMENTS
	LATITUDE	LONGITUDE						
WWS31	47 31.871	122 19.040	8:44	12:45	<i>C. gracilis</i>	67	F	Crab trap
WWS31	47 31.871	122 19.040	8:44	12:45	<i>C. gracilis</i>	84	M	Crab trap
WWS31	47 31.871	122 19.040	8:44	12:45	<i>C. gracilis</i>	85	M	Crab trap
WWS31	47 31.871	122 19.040	8:44	12:45	<i>C. gracilis</i>	87	M	Crab trap
WWS31	47 31.871	122 19.040	8:44	12:45	<i>C. gracilis</i>	90	M	Crab trap
WWS31	47 31.871	122 19.040	8:44	12:45	<i>C. gracilis</i>	97	M	Crab trap
WWS31	47 31.871	122 19.040	8:44	12:45	<i>C. gracilis</i>	102	M	Crab trap
WWS31	47 31.871	122 19.040	8:44	12:45	<i>C. gracilis</i>	109	M	Crab trap
WWS31	47 31.871	122 19.040	8:46	12:45	<i>C. gracilis</i>	64	M	Shrimp trap
WWS31	47 31.871	122 19.040	8:46	12:45	<i>C. gracilis</i>	74	M	Shrimp trap
WWS31	47 31.871	122 19.040	8:46	12:45	<i>C. gracilis</i>	92	M	Shrimp trap
WWS31	47 31.871	122 19.040	8:46	12:45	Staghorn Sculpin	100-150		Shrimp trap
WWS32	47 31.713	122 18.773	8:52	12:55	<i>C. gracilis</i>	70	F	Crab trap
WWS32	47 31.713	122 18.773	8:52	12:55	<i>C. gracilis</i>	87	M	Crab trap
WWS32	47 31.713	122 18.773	8:52	12:55	<i>C. gracilis</i>	109	M	Crab trap
WWS32	47 31.713	122 18.773	8:52	12:55	<i>C. gracilis</i>			Crab trap, Crab fell overboard
WWS32	47 31.713	122 18.773	8:52	12:55	<i>C. magister</i>	157	M	Crab trap
WWS32	47 31.713	122 18.773	8:55	12:55	<i>C. gracilis</i>	89	M	Shrimp trap
WWS32	47 31.713	122 18.773	8:55	12:55	<i>C. gracilis</i>	90	M	Shrimp trap
WWS32	47 31.713	122 18.773	8:55	12:55	<i>C. gracilis</i>	92	M	Shrimp trap
WWS33	47 31.441	122 18.502	8:59	13:05	<i>C. gracilis</i>	78	M	Crab trap
WWS33	47 31.441	122 18.502	8:59	13:05	<i>C. gracilis</i>	94	M	Crab trap
WWS33	47 31.441	122 18.502	8:59	13:05	<i>C. magister</i>	124	M	Crab trap
WWS33	47 31.441	122 18.502	8:59	13:05	<i>C. magister</i>	168	M	Crab trap
WWS33	47 31.441	122 18.502	9:02	13:05				Shrimp trap, empty
WWS34	47 31.113	122 18.375	9:08	13:15				Crab trap, empty
WWS34	47 31.113	122 18.375	9:10	13:15				Shrimp trap, empty
WWS35	47 30.879	122 18.299	9:17	13:20				Crab trap, empty
WWS35	47 30.879	122 18.299	9:19	13:20	Sculpin	50-100		Shrimp trap
WWS36	47 30.742	122 18.186	9:22	13:25				Crab trap, empty
WWS36	47 30.742	122 18.186	9:24	13:25	Sculpin	50-100		Shrimp trap
WWS36	47 30.742	122 18.186	9:24	13:25	Sculpin	50-100		Shrimp trap
WWS37	47 30.699	122 17.887	9:28	13:30				Crab trap, empty
WWS37	47 30.699	122 17.887	9:30	13:30	Jellyfish			Shrimp trap
WWS38	47 30.548	122 17.547	9:34	13:35				Crab trap, empty
WWS38	47 30.548	122 17.547	9:35	13:35				Shrimp trap, empty

2
24-MAY-2004 Q4 crab/shrimp Survey

Crew Bob Compton
Shannon Pierce } Windward
Angelita Rodriguez }

Weather Clear, calm, no precip.

Deployment phase

Station	Trap Type	Time	Station	Trap Type	Time
wws1	C	0645	wws8	C	0642
	S	0650		S	0645
wws2	C	0600	wws9	C	0650
	S	0600		S	0653
wws3	C	0608	wws10	C	0657
	S	0610		S	0700
wws4	C	0615	Wayspts		
	S	0620	wws1=119	wws8=126	
wws5	C	0623	wws2=120	wws9=127	
	S	0625	wws3=121	wws10=128	
wws6	C	0630	wws4=122		
	S	0633	wws5=123		
wws7	C	0636	wws6=124		
	S	0638	wws7=125		

#4 hr soak time * 5/24³

Retrieval phase

WWS-1 9:45

slender trap

Species	Size (mm)	Sex
Slender	104	M
sculpin (prickly)	50-100	

crab trap

Species	Weight	Sex
dungeness	120	M
dungeness	151	F
dungeness	136	M
dungeness	168	M
dungeness	162	M
slender	103	M
red rock	134	F
red rock	143	M
red rock	158	M
red rock	158	M
red rock	162	M

4/24

WWS-1

Crab trap cont

Species	Size (mm)	Sex
red rock	155	m
red rock	139	M
red rock	168	m
red rock	155	M

WWS-2

10:03 - Shrimp trap

Species	Size (mm)	sex
slender	104	M
slender	81	F
slender	98	M
slender	76	F

crab trap

Species	Size (mm)	Sex
slender	94	M
slender	109	M
slender	104	M
slender	106	M
slender	96	M
slender	98	M

5/24

5

WWS-2

Crab trap cont

Species	Size (mm)	Sex
slender	92	M
slender	97	M
slender	100	M
slender	102	M
slender	93	M
slender	108	M
slender	93	M
slender	92	M
chungeness	161	M
chungeness	165	M
chungeness	164	M
chungeness	127	M
chungeness	160	M
chungeness	127	F
chungeness	151	M
chungeness	153	M

6/5/24

WWS-3

10:18

Shrimp trap

species	size (mm)	sex
sculpin (staghorn)	50-100	-

crab trap

species	size (mm)	sex
sunflower star	-	-
slender	97	M
kingness	142	M
kingness	165	M
kingness	141	M
kingness	143	M
red rock	155	M

5/24

7

WWS-4

10:33

Shrimp trap

species	size (mm)	sex
slender	98	M
Slender	101	M

crab trap

species	size (mm)	sex
slender	104	M
slender	87	M
slender	97	M
slender	101	M
slender	103	M
slender	101	M
slender	105	M
kingness	153	M
kingness	145	M
sunflower star	-	-

8/24

* picture 133-135

WWS-5

10:43

shrimp trap

Species	size (mm)	sex
sunflower star	—	—
slender	90	M
spider crab*	29	—
shiner very perch	50-100	—

crab trap

species	size (mm)	sex
dungeness	147	M
dungeness	155	F
dungeness	160	M
dungeness	154	M
dungeness	190	M
dungeness	154	M
dungeness	155	M
dungeness	160	M
Slender	101	M
slender	95	M
sunflower star (3)	—	—

* picture 136

8/24⁹

WWS-6

10:55

shrimp trap

Species	size (mm)	sex
sculpin ?*	50-100	—
slender	105	M
slender	97	M
slender	103	M
slender	90	M
slender	94	M

crab trap

Species	size (mm)	sex
slender	110	M
slender	103	M
slender	81	F

10/5/24

WWS-7

11:05

Shrimp trap

species	size (mm)	sex
slender	99	M
slender	83	M

Crab trap

species	size (mm)	sex
slender	104	M
slender	95	M
slender	78	F
slender	86	F
slender	75	F
slender	88	M
slender	96	M

5/24

11

WWS-8

11:14

Shrimp trap

species	size (mm)	sex
slender	95	M
slender	92	M
slender	102	M
slender	73	F

Crab trap

species	size (mm)	sex
red rock	152	M
red rock	128	F
red rock	146	M
chungness	152	M
chungness	146	F
slender	71	F
slender	96	M

12/24

* picture 138

WWS-9

11.28

shrimp trap

Species	size (mm)	sex
Jellyfish*	—	—
slender	90	M
slender	83	M
slender	97	M
slender	87	F
slender	81	F - gravid
slender	79	M
slender	77	F - gravid

Crab trap

Species	Size (mm)	sex
Jungness	150	M
Jungness	141	M
Jungness	142	M
Jungness	127	M
slender	72	F
slender	81	F

924

13

WWS-10

11.39

shrimp trap

Species	Size (mm)	Sex
∅	—	—

crab trap

Species	Size (mm)	sex
Jungness	165	M
Jungness	144	M
Jungness	146	M
Jungness	145	M
Jungness	152	F
Jungness	152	M
slender	102	M
slender	96	M
slender	87	M
slender	78	F

Finish removal 11.50
back to 1st Ave bridge

25-MAY-2004 04 LDW RT Crab/Trip Survey

Crew Bob Compton
Shannon Pierce } Windward
Megan Scheider }

weather: clear, calm, no precip

Deploy next phase

Station	TrapType	Time	Station	TrapType	Time
WWS11	C	0633	WWS18	C	0720
	S	0635		S	0722
WWS12	C	0642 *	WWS19	C	0743
	S	0644 *		S	0745
WWS13	C	0648	WWS20	C	0748
	S	0650		S	0750
WWS14	C	0655	Waypoints		
	S	0657	WWS11 = 129	WWS18 = 136	
WWS15	C	0702	WWS12 = 130	WWS19 = 137	
	S	0704	WWS13 = 131	WWS20 = 138	
WWS16	C	0708	WWS14 = 132	WWS21 = 139	
	S	0710	WWS15 = 133		
WWS17	C	0715	WWS16 = 134		
	S	0717	WWS17 = 135		

5/25

* Station WWS12 - Both traps pulled
due to in water work @ Manson
will be re-deployed on 26-MAY-04

Station	WWS12	traps	moved to	WWS21
Station		TrapType	Time	Waypoint
WWS21		C	0753	139
		S	0755	

Retrieval

4 hour Soak time

396-1862 Jerry Shreff

5/25

WWS-11

10:28

Shrimp trap

Species	Size (mm)	Sex
Slender	101	M
Slender	91	M

Crab trap

Species	Size (mm)	Sex
Slender	96	M
Slender	104	M
Slender	101	M
Slender	108	M
Slender	83	M
Jungness	163	F
Jungness	132	F
Jungness	120	F
Jungness	153	M

WWS-12

removed will reset tomorrow
(5/26)

5/25

WWS-13

10:40

Shrimp trap

Species	Size (mm)	Sex
Staghorn sculpin	100-150	-
Slender	73	F
Slender	77	F gravid
Slender	81	F

Crab trap

Species	Size (mm)	Sex
Slender	99	M
Slender	101	M
Slender	96	M
Slender	79	F
Jungness	151	M
Jungness	143	M
Jungness	164	M
Jungness	162	M
* sunflower star (1)	-	-

* picture 140

18
5/25WWS-14
10:51

shrimp trap

species	size (mm)	sex
slender	59	R
slender	101	M
slender	102	M
slender	92	M
slender	88	M

crab trap

species	size (mm)	sex
slender	5 - bell off trap	F
slender	7 - bell off trap	F
slender	94	M

5/25 19

WWS-15

11:01

shrimp trap

species	size (mm)	sex
slender	100	M
slender	67	F
Staghorn sculpin	100-150	-

species	size (mm)	sex
slender	93	M
slender	106	M
slender	105	M
slender	82	F
slender	82	F
slender	94	M
Jungness	136	M
Jungness	142	M
Jungness	166	M

* picture 142-144

205/25

WWS-16

11:13

Shrimp trap

species	size (mm)	sex
Slender	93	M
Slender	105	M
slender	90	M
Slender	71	F-gravid
Slender	74	F-gravid
slender	86	F-gravid

Crab trap

species	size (mm)	sex
Slender	—	F
Slender	102	M
Slender	94	M
slender	79	F
Slender	94	M
Slender	76	M
Slender	90	M
Slender	97	M
Slender	97	M
Slender	82	M
slender	77	F-gravid

WWS-16 cont
crab cont5/25²¹

species	size (mm)	sex
Slender	98	M
Slender	95	M
Slender	99	M
Slender	92	M
Slender	77	F

WWS-17
11:23

Shrimp trap

species	size (mm)	sex
Slender	96	M
Slender	78	F
Staghorn sculpin (2)	100-150	—
staghorn sculpin (6)	50-100	—
saddleback gunnel *	—	—

picturic

* 145-146

22 wws-17
5/25 crab trap

species	size (mm)	sex
slender	98	M
slender	706	M
lungness	154	M
lungness	170	M
lungness	154	M
lungness	168	M

wws-18
11:34

shrimp trap

species	size (mm)	sex
slender	82	M
staghorn sculpin	100-150	—

wws-18 cont

5/25²³

crab trap	species	size (mm)	sex
	slender	104	M
	slender	90	M
	slender	108	M
	slender	103	M
	slender	100	M
	slender	102	M
	slender	102	M
	lungness	168	M
	lungness	155	M
	*red rock	165	M

* picture 148-150

5/25
 WWS-19
 11:49

Shrimp trap

Species	Size (mm)	Sex
Ø	—	—

Crab trap

Species	Size (mm)	Sex
Slender	106	M
Slender	110	M
Slender	87	M

WWS-20
 11:50

Shrimp trap

Species	Size (mm)	Sex
Slender	95	M

5/25²⁵

WWS-20 cont

Crab trap

Species	Size (mm)	Sex
Slender	83	M
Slender	92	M
Slender	107	M
Slender	79	F-grand
Slender	83	F
Slender	100	M
Slender	98	M
Slender	79	F-grand

WWS-21

12:07

Shrimp trap

Species	Size (mm)	Sex
* decapods	Ø	—
* Shiner ^{crab} sump perch	100-150	—
staghorn sculpin	100-150	—

* picture 15)

28/25 WWS-21 cont
5/ Crab trap

Species	Size (mm)	Sex
Jungness	168	M
Red rock	132	F
slender	168	M
Slender	102	M
Slender	93	M
Slender	95	M
Slender	98	M
Slender	96	M
Slender	73	F grand
slender	95	M
Slender	101	M
Slender	78	F grand

Finish sampling 12:18

05/26/04 LDR RI Crab/Shrimp Survey

Crew	Bob Compton Thad Do Angelita Rodriguez		
Weather	Razy + windy		
Deployment			
Station	Type	Time	Waypoint
WWS23	C	0748	140
	S	0750	
WWS22	C	0755	141
	S	0757	
WWS24	C	0802	142
	S	0803	
WWS25*	C	0808	143
	S	0810	* moved station due to barges
WWS26	C	0812	144
	S	0814	
WWS27*	C	0820	145
	S	0822	* moved station due to barges
WWS28	C	0826	146
	S	0827	

Deployment Contd

Station	trap type	time	waypoint
WWS 29	C	0833	1417
	S	0835	
WWS 30	C	0841	1418
	S	0843	
WWS 12	C	0857	1419
	S	0900	

Retrieved	Trap type	time	
WWS 23	<u>S</u>	11:56	
	Slender crab	88	M
	Slender crab	77	F - ground
	Slender crab	61	F
	<u>C</u>	11:55	
	Slender crab	91	M
	Slender	109	M
	Slender	88	M
	Slender	91	M
	Slender	91	M
	Slender	94	M
	Slender	83	F
	Slender	86	F

WWS 22	<u>S</u>	12:08	empty
	<u>C</u>	12:08	
	Slender c.		F - fell over board
	Slender c.	61	F
	Slender c.	70	M
WWS 24	<u>S</u>	12:15	
	Slender c.	83	M
	Slender c.	85	M
	Slender c.	92	M
	Slender c.	71	F
	Slender c.	70	F
	Slender c.	93	M
	Slender c.	89	M
	Slender c.	86	M
	Slender c.	90	M
	Slender c.	91	M
	Slender c.	68	F
	<u>C</u>	12:15	
	Slender c.	87	M
	Slender c.	89	M
	Slender c.	84	M
	Slender c.	94	M

WWS25 S 12:26
 Staghorn sculpin 50-100
 Slender c. 82 M
C 12:25
 Slender c. 90 M
 Slender c. M - fell overboard

WWS26 S 12:36
 Slender c. 62 M
 Slender c. 92 M

C 12:34
 Slender c. 102 M
 Slender c. 76 F
 Slender c. 77 F
 Dungeness c. 129 F

WWS27 S 12:46
 Slender c. 51 F
 Slender c. 87 M
 Slender c. 75 F - gravid
 Slender c. 88 M
 Slender c. 75 F
 Slender c. 90 M
 Slender c. 71 F
 Slender c. 90 M
 Staghorn sculpin 50-100

C 12:45
 Slender c. 100 M
 Slender c. 100 M
 Slender c. 78 F
 WWS28 S 12:58
 Staghorn sculpin 50-100
 Slender c. 73 M
C 12:57
 Slender c. 102 M
 Slender c. 83 M
 Slender c. 92 M
 Slender c. 3 fell overboard
 WWS29 S 13:06
 Slender c. 97 M
C 13:05
 Slender c. 100 M
 Slender c. 75 F
 Slender c. 1 fell overboard
 WWS30 S 13:16
 Slender c. 96 M
 Slender c. 59 F
 Slender c. 58 F
 Slender c. 57 F

WWS30 C 13:15
 slender c. 94 M
 slender c. 93 M
 slender c. 102 M
 slender c. 107 M
 slender c. 84 M
 slender c. 86 F - gravid
 Dungeness c. 167 M
 Dungeness c. 173 M
 Dungeness c. 145 M

WWS12 S 13:36
 slender c. 80 F
 slender c. 104 M
C 13:35
 Dungeness c. 142 M
 slender c. 97 M
 slender c. 92 M
 slender c. 69 M
 slender c. 1 fell overboard

End of sampling day
 [Signature]
 26-05-04

05-27-04 LOW RI crab/Strip Sunny

Crew Bob Campbell }
 Derek Peltier } Windward
 Megan Scheidler }

Weather Rainy + windy

Deployment phase

Station	Trop type	Time	Waypoint
WWS31	C	0844	150
	S	0846	
WWS32	C	0852	151
	S	0855	
WWS33	C	0859	152
	S	0902	
WWS34	C	0908	153
	S	0910	
WWS35	C	0917	154
	S	0919	
WWS36	C	0922	155
	S	0924	
WWS37	C	0928	156
	S	0930	
WWS38	C	0934	157
	S	0935	

12:45

Retrieval WWS-31

<u>C</u>	<u>Size</u>	<u>Sex</u>
Slender	109	M
"	90	M
"	97	M
"	102	M
"	87	M
"	85	M
"	84	M
"	67	F

WWS-31

<u>J</u>	
Slender C	92 M
"	74 M
"	64 M
Sculpin (Stygian)	100-150

WWS-32

12:55

J

Slender Crab

90 M

"

92 M

"

89 M

C

Slender

fellowboard

"

109 M

"

87 M

"

70 F

Dungeness

157 M

WWS-33

13:05

S
empty

C
Slender
"
Dungeness
"

94	M
78	M
168	M
124	M

WWS-34

13:15

L
empty

S
empty

WWS-35

13:20

C
empty

S
Sculpin

50-100

WWS-36

13:25

C
empty

S
Sculpin
Sculpin

50-100

50-100

WWS-37

13:30

C
emptyS
jellyfish

WWS-38

13:35

C
emptyS
empty

END

RAC

05/27/04

