

GLOBEC Northeast Pacific, Coastal Gulf of Alaska

Cruise Report, F/V *Great Pacific* (GP0207)

11 July – 8 August, 2002

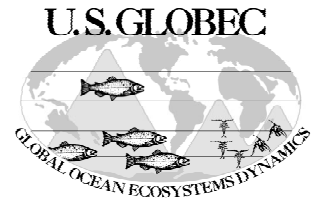


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Atmospheric Administration



**GLOBEC Northeast Pacific, Gulf of Alaska
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July 11 – August 8, 2002**

Chief Scientist Leg 1

Edward D. Cokelet
NOAA/NMFS
Pacific Marine Environmental Laboratory (PMEL)
7600 Sandpoint Way N.E.
Seattle, WA 98115-6439
(206) 526-6820
edward.d.cokelet@noaa.gov

Chief Scientist Leg 2

Christine Kondzela
NOAA/NMFS
Alaska Fisheries Science Center (AFSC)
Auke Bay Laboratory (ABL)
11305 Glacier Highway
Juneau, AK 99801
(907) 789-6084
chris.kondzela@noaa.gov

Port of Departure: Dutch Harbor, Alaska
Port of Return: Dutch Harbor, Alaska

Cruise Goals / Scientific Purpose

The July – August 2002 OCC/GLOBEC cruise focused on salmon (*Oncorhynchus* spp.), and zooplankton distribution, and physical properties (current, temperature, and salinity) along 10 transects beginning at Ocean Cape near Yakutat, Alaska and ending at Cape Kaguyak at the western end of Kodiak Island (Figure 1). Sampling along each transect occurred over the continental shelf of the Gulf of Alaska and beyond the 200-m contour and into oceanic depths. The purpose was to investigate the relationships between biological and physical oceanographic processes that affect the distribution of juvenile salmon in the coastal Gulf of Alaska. Cruise participants are listed in Table 1.

Cruise Objectives

1. Determine the distribution of salmon along the 10 transects sampled (Figure 1).
2. Determine the distribution of zooplankton within the study area.
3. Determine ocean current velocity, surface temperature and salinity, and density stratification.

Table 1. GLOBEC Cruise Participants

Alison Cross	Graduate Student/ University of Washington
Chuck Guthrie	Genetics/ AFSC/ABL

Ellen Martinson
Angela Middleton
Jamal Hasan Moss
Sigrid Salo

Salmon Age and Growth/ AFSC/ABL
Biologist/ AFSC/ABL
Graduate Student/ University of Washington
Oceanographer/ PMEL

Sampling Activities

The OCC/GLOBEC survey along the coastal waters of the Gulf of Alaska was conducted July 11 – August 8, 2002. The survey area included 10 transects beginning with the Ocean Cape transect near Yakutat, Alaska and ending at Cape Kaguyak at the western end of Kodiak Island (Figure 1). Transects sampled during the survey were perpendicular to shore and extended from nearshore across the continental shelf to oceanic waters beyond the 200-m shelf break. Sampling stations along each transect were generally spaced 18.5 km apart; each transect included a nearshore station (station less than 4 km from shore).

The survey was conducted aboard the contract fishing vessel (F/V) *Great Pacific* (38 meters in length). Fish samples were collected using a midwater rope trawl (Table 5), which is 198-m long, has hexagonal mesh in wings and body, and has a 1.2-cm mesh liner in the codend. The rope trawl was towed at 3.5 to 5 kts, at or near surface, and had a typical spread of 45-m horizontally and 10-m vertically. All tows lasted 30 minutes and covered 2.8 to 4.6 km. Most of the sampling was done during daylight hours; two tows occurred during night as part of a 24-hour repeat sampling of the GAK 2 station (samples taken every 4 hours).

Salmon and other fishes were sorted by species and counted. Standard biological measurements including fork length, body weight, and sex as well as scale samples from the preferred area (to document age and growth) were taken from subsamples of all salmon species. Subsamples of juvenile pink (*Oncorhynchus gorbuscha*), chum (*O. keta*), and sockeye (*O. nerka*) salmon were frozen whole for laboratory analyses of food habits, otolith hatchery thermal marks (pink and chum salmon), and genetic analysis (chum salmon). Tissues and otoliths were also saved from immature and maturing chum salmon to determine stock distribution and migration of these salmon. All other fish species were counted; juvenile rockfish (*Sebastes* spp.) and sablefish (*Anoplopoma fimbria*) were frozen whole for laboratory analyses.

Oceanographic measurements were made at trawl stations immediately prior to each trawl haul. Depth profiles of temperature, salinity, and fluorescence from surface to near-bottom or 200-m (whichever was shallower) were collected using a Sea-Bird SBE 19 Seacat CTD (conductivity-temperature-depth) profiler¹ (Table 4). On each cast, a Niskin bottle collected a discrete water sample for salinity and fluorescence calibration with the CTD. Plankton samples were collected using a 1-m² Tucker trawl fitted with a 505- μ m mesh net that was towed near surface (approximately 1 knot) for 5 minutes (Table 6). Volume of water filtered by each net was estimated by flow meters and the plankton samples were preserved in 5% formalin. Plankton samples were also collected using a WP-2 net fitted with a 253- μ m mesh net that was deployed vertically to 100-m depth. Plankton samples collected from the WP-2 net were frozen and will be used for stable carbon and nitrogen isotope analysis (Table 8). The current beneath the ship was measured continuously with a 300-kHz acoustic Doppler current profiler (ADCP). A differential Global Positioning System (GPS) receiver and a GPS-based attitude determination unit provided associated position and heading measurements. A thermosalinograph and fluorometer sampling water from the seachest provided continuous measurements of near-surface temperature, salinity, and fluorescence. Satellite-tracked drifting buoys drogued at 40-m were deployed at designated trawl stations to measure the strength and direction of the current along the continental shelf (Table 7).

Daily Cruise Summary

11-27 July. Leg 1 of the cruise departed Dutch Harbor, Alaska on July 11 and arrived in Yakutat, Alaska on July 16 to load scientists and gear. The cruise departed Yakutat the evening of July 16 and proceeded to the nearshore station along the Ocean Cape transect; work at this station began the morning of July 17. Work at each station included vertical CTD casts to 200-m, surface tow for zooplankton using a Tucker trawl, a vertical plankton tow using a WP2 net to collect zooplankton for isotope analysis at various stations across the transects and a surface tow for salmon and other marine fishes using the rope trawl. The cruise continued sampling stations along the Cape Yakataga (2-days; July 19 and 20), Cape St. Elias (1-day; July 21), Cape

¹ Reference to trade names does not imply endorsement by the National Marine Fisheries Service, NOAA.

Cleare (2-days; July 22 and 23), and Seward Line (4-days; July 23 – 26) transects. Drifter buoys were deployed at stations OC1 and OC2 along the Ocean Cape transect, stations IB1 and IB2 along the Cape Yakataga transect, and at GAK5, GAK4, and GAK3 along the Seward Line transect. A 24-hour repeated sampling experiment (1 sample every 4 hours) was also completed at the GAK2 station along the Seward Line transect. Leg 1 was completed on July 27 in Seward, Alaska.

28 July – 8 August. Leg 2 of the cruise left Seward the evening of July 28 and sampling was begun along the Gore Point transect the morning of July 29. Sampling along the Gore Point, Cape Chiniak, Cape Nukshak, Cape Kekernoi, and Cape Kagayuk transects included CTD, Tucker trawl, vertical plankton tow at various locations, and a surface trawl for juvenile salmon and other marine fishes. Sampling ended after station CKAG6 on the Cape Kaguyak transect was completed the evening of August 5; the vessel then traveled to Dutch Harbor, arriving August 8, 2002, ending the cruise.

Summary of Sampling Operations

Salmon Sampling (Farley)

During the survey, 83 trawl stations were completed beginning nearshore at the Ocean Cape transect and ending at the southwestern end of Kodiak Island along Cape Kaguyak (Figure 1). A total of 5,083 salmon were captured (Table 2). The largest component of the catch was juvenile salmon including pink (34.5%), chum (3.6%), sockeye (15.0%), coho (*O. kisutch*; 9.7%), and chinook (*O. tshawytscha*; 2.3%). Immature salmon in our catch included chum (10.9%), sockeye (5.8%), and chinook (3.1%). Maturing salmon in our catch included pink (7.7%), chum (4.0%), sockeye (<1%), coho (2.8%), and chinook (<1%) salmon. Other species captured during the survey are listed in Table 3.

Salmon distribution within the survey varied by life history stage (Table 2). Juvenile salmon were mainly distributed along the shelf with the highest catch per unit effort (CPUE; number of salmon caught within a 30 minute time period) of juvenile pink and chum salmon occurring west of Prince William Sound (PWS). Highest CPUE of juvenile sockeye and coho salmon occurred east of PWS and within Shelikof Strait; whereas, the highest CPUE for juvenile chinook salmon occurred along the Cape Cleare transect. Immature chum salmon were found along all transects sampled with the largest CPUE generally occurring at offshore locations beyond the 200-m contour along the Cape Chiniak transect. Immature sockeye salmon were distributed offshore along transects east of PWS and across the shelf and offshore along transects west of PWS with the highest CPUE occurring along the Gore Point and Cape Chiniak transects. Immature chinook salmon were mainly distributed west of PWS with the highest CPUE occurring along the Gore Point transect. Mature pink and chum and coho salmon were found along all transects sampled.

Acknowledgments

We wish to thank the Alaska Boat Company, particularly Captains C. Bronson (Leg 1) and M. Zimny (Leg 2) and the crew of the *F/V Great Pacific*, for their fine efforts and technical assistance in all aspects of our field surveys.

Table 2. Catch per unit effort (CPUE) of juvenile (J), immature (I), and adult (A) salmon by species and station by the F/V *Great Pacific* in the Gulf of Alaska, July 17 - August 5, 2002. Dash (-) indicates no salmon caught.

Date	Station ID	Trawl ID	Pink		Chum			Sockeye			Coho		Chinook		
			J	A	J	I	A	J	I	A	J	A	J	I	A
7/17	OC1	1	8	1	-	-	2	-	-	3	27	5	5	-	-
7/17	OC2	2	4	9	20	-	2	36	-	5	16	1	3	-	-
7/17	OC3	3	-	-	6	-	-	26	-	-	14	1	-	-	-
7/17	OC4	4	-	2	4	-	-	63	-	-	6	1	-	-	-
7/17	OC5	5	-	-	-	-	-	18	-	-	8	-	-	-	-
7/18	OC6	6	-	-	-	-	1	-	1	1	-	2	-	-	-
7/18	OC7	7	-	-	-	1	-	-	-	1	-	1	-	-	-
7/18	OC8	8	-	1	-	-	-	-	-	-	-	-	-	-	-
7/18	OC9	9	-	-	-	1	-	-	1	-	-	-	-	-	-
7/18	OC10	10	-	3	-	-	1	-	-	-	-	-	-	-	-
7/19	IB9	11	-	1	-	1	-	-	-	-	-	-	-	-	-
7/19	IB8	12	-	-	-	-	-	-	5	-	-	-	-	-	-
7/19	IB7	13	-	4	-	1	-	-	4	-	-	-	-	-	-
7/19	IB6	14	-	9	-	4	1	-	2	-	2	-	-	1	-
7/19	IB5	15	3	1	-	-	-	2	1	-	4	-	-	-	-
7/20	IB3	16	2	-	-	-	-	16	-	-	10	-	-	-	-
7/20	IB2	17	-	5	-	-	-	27	-	-	20	3	3	-	-
7/20	IB1	18	-	-	-	-	13	-	-	-	13	1	7	3	-
7/20	IB4	19	-	4	-	8	1	21	-	-	11	-	1	-	-
7/21	CSE5	20	-	21	-	3	1	-	-	1	-	-	-	-	-
7/21	CSE4	21	-	-	-	-	-	-	1	-	-	-	-	-	-
7/21	CSE3	22	-	5	14	2	1	47	-	-	38	5	-	-	-
7/21	CSE2	23	-	3	-	1	1	10	-	-	13	4	-	5	1
7/21	CSE1	24	-	-	-	-	1	3	-	-	12	-	3	-	-
7/22	CC1	25	2	21	2	-	3	3	-	-	15	4	11	-	2
7/22	CC2	26	3	4	-	-	3	8	-	-	1	2	8	2	-
7/22	CC3	27	41	-	20	6	2	9	-	1	2	-	10	-	1
7/22	CC4	28	-	2	-	4	1	-	-	1	-	2	18	3	-
7/22	CC5	29	-	-	1	2	2	2	-	-	-	-	10	-	1
7/22	CC6	30	1	5	-	68	-	-	-	-	-	2	-	-	1
7/23	CC7	31	70	4	1	-	-	6	3	-	-	-	-	-	-
7/23	CC8	32	-	25	-	-	-	-	1	-	-	-	-	-	-
7/23	GAK13	33	-	2	-	2	-	-	3	-	-	-	-	-	-
7/23	GAK12	34	-	10	-	4	-	-	2	-	-	2	-	-	-
7/24	GAK11	35	-	4	-	4	-	1	-	-	-	1	-	-	-
7/24	GAK10	36	167	16	7	5	1	4	-	-	-	1	-	-	-
7/24	GAK9	37	11	-	1	3	-	-	7	-	-	1	-	-	-
7/24	GAK8	38	24	1	-	10	1	10	-	-	-	1	-	-	1
7/24	GAK7	39	334	-	25	1	1	17	11	1	-	3	-	-	-

Table 2. (Con't) Catch per unit effort (CPUE) of juvenile (J), immature (I), and adult (A) salmon by species and station by the F/V *Great Pacific* in the Gulf of Alaska, July 17 - August 5, 2002. Dash (-) indicates no salmon caught.

Date	Station ID	Trawl ID	Pink		Chum			Sockeye			Coho		Chinook		
			J	A	J	I	A	J	I	A	J	A	J	I	A
7/24	GAK6	40	21	1	-	2	3	1	-	-	-	1	1	5	-
7/24	GAK5	41	73	1	2	6	-	12	-	-	-	3	-	1	-
7/25	GAK4	42	95	3	1	-	3	2	3	-	2	1	2	-	-
7/25	GAK3	43	12	10	-	3	-	5	-	-	-	-	2	1	1
7/25	GAK1	44	58	-	9	-	-	5	-	-	63	-	-	-	-
7/26	GAK2	45	-	-	-	3	45	-	-	-	-	-	21	-	1
7/26	GAK2	46	-	2	-	25	11	2	-	-	7	-	5	1	-
7/26	GAK2	47	187	4	5	-	-	5	-	-	3	-	1	-	1
7/26	GAK2	48	43	2	-	-	-	-	-	1	3	-	-	-	-
7/26	GAK2	49	137	18	-	-	-	4	-	-	10	-	1	-	-
7/26	GAK2	50	-	22	-	-	-	2	-	-	2	-	-	-	-
7/29	GP1	51	6	4	-	11	1	13	-	-	6	3	-	1	-
7/29	GP2	52	2	-	-	2	2	52	16	-	1	1	-	6	-
7/29	GP3	53	33	-	3	1	2	22	12	1	1	1	-	15	-
7/29	GP4	54	3	4	-	-	1	-	3	-	-	1	-	4	-
7/29	GP5	55	2	12	-	10	2	-	16	-	1	11	-	28	-
7/30	GP6	56	-	20	-	-	-	-	14	-	-	29	1	-	-
7/30	GP7	57	-	1	-	1	3	-	4	-	-	4	-	-	-
7/30	GP8	58	-	-	-	-	2	-	-	-	-	-	-	6	-
7/30	GP9	59	-	6	-	3	3	-	46	1	-	1	-	10	-
7/30	GP10	60	-	-	-	44	49	1	4	-	-	1	-	-	-
7/31	GP11	61	321	5	1	5	-	3	9	-	-	-	-	-	-
7/31	GP12	62	13	4	-	12	2	-	8	-	-	-	-	-	-
7/31	GP13	63	-	2	-	17	-	-	6	1	-	-	-	-	-
7/31	GP14	64	-	1	-	14	-	-	-	-	-	-	-	-	-
8/1	CCH7	65	-	2	-	47	1	-	2	-	-	-	-	1	-
8/1	CCH6	66	-	1	-	57	1	-	5	-	-	-	-	-	-
8/1	CCH5	67	-	4	-	22	-	-	33	-	1	-	-	-	-
8/1	CCH4	68	-	12	-	39	2	1	37	-	-	-	-	-	-
8/1	CCH3	69	-	-	-	32	2	-	-	-	-	-	-	-	-
8/2	CCH2	70	-	8	-	23	15	-	1	-	2	1	-	7	-
8/2	CCH1	71	-	1	-	1	-	-	-	-	3	-	-	5	-
8/3	CN3	72	33	15	4	-	4	19	-	1	11	3	1	8	-
8/3	CN2	73	40	3	36	8	4	72	-	-	5	2	-	1	-
8/3	CN1	74	-	9	5	-	1	5	-	-	75	4	-	4	-
8/4	CK1	75	-	15	-	3	2	3	6	-	40	14	-	18	-

7/27 GAK3 36 3 7 1 - 8 - - 14 1 - - -

Table 2. (Con't) Catch per unit effort (CPUE) of juvenile (J), immature (I), and adult (A) salmon by species and station by the F/V *Great Pacific* in the Gulf of Alaska, July 17 - August 5, 2002. Dash (-) indicates no salmon caught.

Date	Station ID	Trawl ID	Pink		Chum			Sockeye			Coho		Chinook		
			J	A	J	I	A	J	I	A	J	A	J	I	A
8/4	CK2	76	5	15	15	1	1	195	13	-	18	-	-	-	-
8/4	CK3	77	1	12	2	4	-	7	1	-	29	-	-	3	-
8/5	CKAG1	78	-	2	-	-	1	-	-	-	-	10	2	2	-
8/5	CKAG2	79	-	3	-	1	-	-	-	-	-	4	-	11	-
8/5	CKAG3	80	-	-	-	1	1	1	-	-	-	1	-	1	-
8/5	CKAG4	81	-	1	-	13	2	-	3	-	-	1	-	4	-
8/5	CKAG5	82	-	1	-	11	-	-	6	-	-	1	-	1	-
8/5	CKAG6	83	-	-	-	2	-	-	5	-	-	-	-	-	-

Table 3. Catch per unit effort (CPUE) of marine fishes by species and station by the F/V *Great Pacific* in the Gulf of Alaska, July 17 - August 5, 2002. Dash (-) indicates no marine fish caught. Life history stages include juvenile (J), young of the year (YOY), and adult (A).

Date	Station ID	Pollock		Herr-	Cape-	Sand-	Wolf-	Dagger-	Prow-	Sable-	J.Rock-	Dog-	Sand-	Squid	Salmon
		J	YOY	A	ing	lin	eel	tooth	fish	fish	fish	fish	fish	fish	shark
7/17	OC1	-	-	-	-	-	-	-	-	1	-	3	-	-	-
7/17	OC2	-	-	-	-	-	-	-	-	-	-	216	-	-	1
7/17	OC3	-	-	-	-	-	-	-	1	-	-	11	-	-	-
7/17	OC4	12	-	-	-	-	-	-	1	-	2	54	-	-	-
7/17	OC5	-	-	-	-	-	-	-	-	-	-	42	-	-	-
7/18	OC6	-	-	-	-	-	-	-	-	-	4	10	-	-	-
7/18	OC7	-	-	-	-	-	-	1	-	-	80	2	-	-	-
7/18	OC8	-	-	-	-	-	-	1	6	-	300	-	-	-	-
7/18	OC9	2	-	-	-	-	-	-	1	-	150	-	-	-	-
7/18	OC10	-	-	-	-	-	-	-	1	-	-	-	-	-	-
7/19	IB9	-	-	-	-	-	-	-	-	-	31	-	-	25	-
7/19	IB8	-	-	-	-	-	-	-	-	-	236	-	-	95	-
7/19	IB7	-	-	-	-	-	-	-	1	-	108	-	-	10	-
7/19	IB6	-	-	-	-	-	-	-	-	-	163	1	-	-	-
7/19	IB5	-	-	-	-	-	-	-	-	-	30	-	-	6	-
7/20	IB3	-	-	-	-	-	-	-	-	-	1	27	-	-	-
7/20	IB2	-	-	-	-	-	-	-	2	-	-	14	-	-	-
7/20	IB1	-	-	-	15	-	202	-	-	-	-	1	-	-	-
7/20	IB4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/21	CSE5	10	-	-	-	-	-	1	-	-	-	-	-	-	-
7/21	CSE4	7	-	-	-	-	-	-	-	-	9	-	-	100	-
7/21	CSE3	-	-	-	-	-	-	-	-	-	-	268	-	-	-
7/21	CSE2	-	-	-	-	-	-	-	-	-	-	28	-	-	-
7/21	CSE1	4	-	-	-	-	1	-	1	-	-	-	-	-	-
7/22	CC1	1	-	-	-	-	-	-	6	-	-	-	-	-	-
7/22	CC2	-	-	-	-	-	-	-	-	-	-	38	-	-	-
7/22	CC3	-	-	-	-	-	-	-	-	-	-	44	-	-	-
7/22	CC4	-	-	-	-	-	-	-	1	-	-	20	-	-	-
7/22	CC5	-	-	-	-	-	1	-	1	-	-	4	-	10	-
7/22	CC6	-	-	-	-	-	-	-	1	-	-	360	-	-	-
7/23	CC7	1	-	-	-	-	-	-	-	-	55	-	-	100	-
7/23	CC8	-	-	-	-	-	-	-	-	-	-	-	-	30	-
7/23	GAK13	-	-	-	-	-	-	-	-	-	6	-	-	100	-
7/23	GAK12	-	-	-	-	-	-	-	1	-	14	-	-	300	-
7/24	GAK11	1	-	-	-	-	-	2	-	-	1	-	-	80	-
7/24	GAK10	-	-	-	-	-	-	-	-	-	10	-	-	-	-
7/24	GAK9	-	-	-	-	-	-	-	-	-	31	-	-	-	-
7/24	GAK8	-	-	6	-	-	-	-	-	-	-	-	-	-	-
7/24	GAK7	-	-	-	-	-	-	-	-	-	-	15	-	-	-

Table 3. (Con't) Catch per unit effort (CPUE) of marine fishes by species and station by the F/V *Great Pacific* in the Gulf of Alaska, July 17 - August 5, 2002. Dash (-) indicates no marine fish caught. Life history stages include juvenile (J), young of the year (YOY), and adult (A).

Date	Station ID	Pollock			Herr- ing	Cape- lin	Sand- lance	Wolf- eel	Dagger tooth	Prow- fish	Sable- fish	J.Rock- fish	Dog- fish	Sand- fish	Squid	Salmon shark
		J	YOY	A												
7/24	GAK6	-	-	1	-	-	-	-	-	-	-	-	90	-	-	-
7/24	GAK5	-	-	-	-	-	-	-	-	-	-	-	9	-	-	1
7/25	GAK4	-	-	-	-	-	-	-	-	-	-	1	2	-	-	-
7/25	GAK3	-	-	-	-	-	-	-	-	-	-	-	82	-	-	-
7/25	GAK1	-	-	-	1	-	-	-	-	-	-	-	3	47	-	-
7/26	GAK2	-	50	13	2200	-	-	-	-	-	-	-	1552	-	2	-
7/26	GAK2	-	-	-	-	-	-	-	-	-	-	-	1500	-	-	-
7/26	GAK2	-	-	-	6	-	-	-	-	-	-	-	700	-	-	-
7/26	GAK2	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-
7/26	GAK2	-	-	1	6	-	-	-	-	-	-	-	2	-	-	-
7/26	GAK2	10	-	7	5	-	1	-	-	-	-	-	2	-	3	-
7/29	GP1	-	-	-	12	-	-	-	1	-	-	-	910	-	-	-
7/29	GP2	-	-	-	-	-	-	-	1	-	-	-	4	-	-	-
7/29	GP3	-	-	2	-	-	-	-	-	-	-	-	3	-	-	-
7/29	GP4	-	-	2	-	-	-	-	1	-	-	-	-	-	-	-
7/29	GP5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/30	GP6	-	-	-	-	11	-	-	3	-	-	-	-	-	-	-
7/30	GP7	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-
7/30	GP8	-	-	-	-	-	-	-	1	-	-	-	-	-	19	-
7/30	GP9	-	-	-	-	-	-	-	3	-	-	1	-	-	24	-
7/30	GP10	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
7/31	GP11	-	-	-	-	-	-	-	1	-	-	1	-	-	24	-
7/31	GP12	-	-	-	-	-	1	-	-	-	-	32	-	-	100	-
7/31	GP13	-	-	-	-	-	-	1	-	-	-	97	-	-	50	-
7/31	GP14	-	-	-	-	-	-	-	-	-	-	-	-	-	50	-
8/1	CCH7	-	-	1	-	-	-	-	-	-	-	-	-	-	50	-
8/1	CCH6	-	-	1	-	-	-	-	-	-	-	-	-	-	50	-
8/1	CCH5	-	-	-	-	2	-	1	-	4	-	-	-	-	-	-
8/1	CCH4	-	-	5	-	-	-	-	-	2	-	-	-	-	-	-
8/1	CCH3	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-
8/2	CCH2	-	-	-	-	1000	-	-	-	-	-	-	-	10	-	-
8/2	CCH1	-	-	-	1	-	-	-	-	-	-	-	-	41	-	-
8/3	CN3	-	-	3	1	-	-	-	-	-	-	-	-	1	-	-
8/3	CN2	-	-	-	128	-	-	-	-	-	-	-	-	-	-	1
8/3	CN1	2	-	1	11	58	30	-	-	1	-	-	-	-	-	-
8/4	CK1	11	-	41	-	4	87	-	-	-	-	-	-	1	-	-

Table 3. (Con't) Catch per unit effort (CPUE) of marine fishes by species and station by the F/V *Great Pacific* in the Gulf of Alaska, July 17 - August 5, 2002. Dash (-) indicates no marine fish caught. Life history stages include juvenile (J), young of the year (YOY), and adult (A).

Date	Station ID	Pollock			Herr- ing	Cape- lin	Sand- lance	Wolf- eel	Dagger tooth	Prow- fish	Sable- fish	J.Rock- fish	Dog- fish	Sand- fish	Squid	Salmon shark
		J	YOY	A												
8/4	CK2	3	-	2	-	-	2	-	-	-	-	-	-	-	-	-
8/4	CK3	2	-	3	-	-	-	-	-	-	1	-	-	8	-	-
8/5	CKAG1	-	-	3	-	1	-	-	-	1	-	-	-	3	-	-
8/5	CKAG2	1	-	1	-	-	-	-	-	2	-	-	-	447	-	-
8/5	CKAG3	3	-	-	-	5	-	-	-	1	-	-	-	-	-	-
8/5	CKAG4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/5	CKAG5	-	-	-	-	-	-	-	-	-	-	65	-	-	25	-
8/5	CKAG6	-	-	-	-	-	-	-	-	2	-	17	-	-	25	-

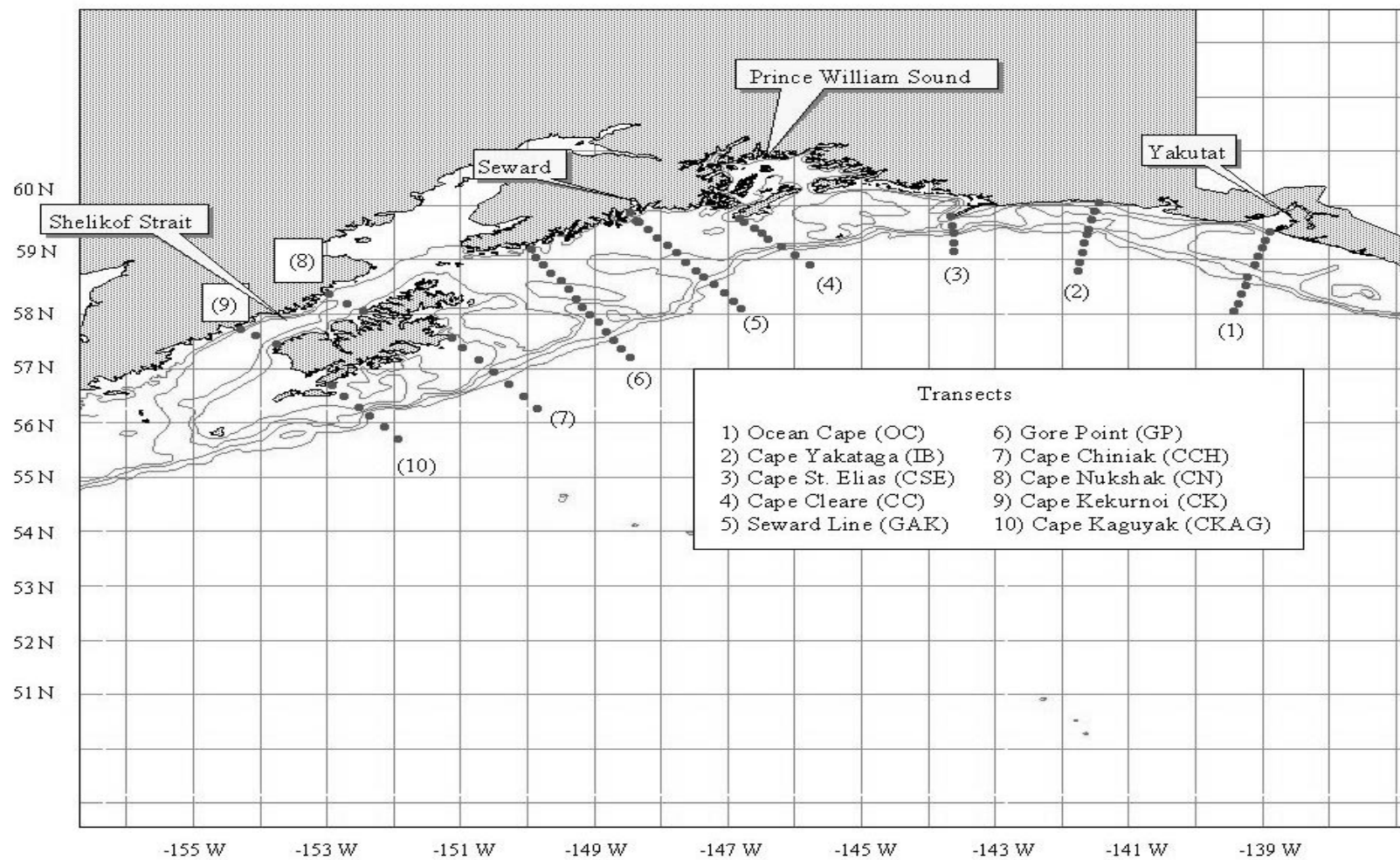


Figure 1. Transects and stations sampled by the NMFS, OCC/GLOBEC program in the Gulf of Alaska July 17 – August 5, 2002.

Table 4 CTD Casts

Event#	Instr	Cast	Sta	Sta Std	Local Day	Local Mos	Local Time	S/E Flag	Lat	Long	Water Depth	Cast Depth	GMT Day	GMT Mos	GMT Time	Comments
GP19802.01	CTD	1	1	OC1	17	7	0635	S	59.4942	-139.8817	72	60	17	7	1435	Water sample
GP19802.07	CTD	2	2	OC2	17	7	0937	S	59.3790	-139.9278	181	170	17	7	1737	
GP19802.14	CTD	3	3	OC3	17	7	1245	S	59.2193	-139.9860	121	111	17	7	2045	
GP19802.19	CTD	4	4	OC4	17	7	1540	S	59.0473	-140.0497	123	111	17	7	2340	
GP19802.24	CTD	5	5	OC5	17	7	1846	S	58.8908	-140.1052	170	158	18	7	0246	
GP19902.01	CTD	6	6	OC6	18	7	0637	S	58.6708	-140.1960	225	206	18	7	1437	
GP19902.07	CTD	7	7	OC7	18	7	1025	S	58.5015	-140.2492	900	220	18	7	1825	
GP19902.12	CTD	8	8	OC8	18	7	1312	S	58.3435	-140.2995	>2000	220	18	7	2112	
GP19902.17	CTD	9	9	OC9	18	7	1607	S	58.1757	-140.3600	>2000	220	19	7	0007	
GP19902.22	CTD	10	10	OC10	18	7	1905	S	58.0247	-140.4205	>2000	220	19	7	0305	
GP20002.02	CTD	11	11	IB9	19	7	0627	S	58.7983	-142.7615	>2000	220	19	7	1427	
GP20002.07	CTD	12	12	IB8	19	7	0902	S	58.9643	-142.7257	>2000	220	19	7	1702	
GP20002.12	CTD	13	13	IB7	19	7	1233	S	59.1300	-142.6820	>2000	220	19	7	2033	
GP20002.17	CTD	14	14	IB6	19	7	1526	S	59.3002	-142.6447	1939	220	19	7	2326	
GP20002.22	CTD	15	15	IB5	19	7	1808	S	59.4630	-142.5995	819	220	20	7	0208	
GP20102.01	CTD	16	16	IB3	20	7	0655	S	59.7420	-142.6458	192	176	20	7	1455	
GP20102.07	CTD	17	17	IB2	20	7	0946	S	59.9003	-142.4937	123	111	20	7	1746	
GP20102.14	CTD	18	18	IB1	20	7	1330	S	60.0035	-142.4472	61	53	20	7	2130	
GP20102.19	CTD	19	19	IB4	20	7	1823	S	59.5710	-142.5727	164	141	21	7	0223	
GP20202.01	CTD	20	20	CSE5	21	7	0517	S	59.1512	-144.5993	>2000	220	21	7	1317	
GP20202.06	CTD	21	21	CSE4	21	7	0905	S	59.3203	-144.6085	>2000	220	21	7	1705	
GP20202.09	CTD	22	22	CSE3	21	7	1148	S	59.4833	-144.6063	856	220	21	7	1948	
GP20202.14	CTD	23	23	CSE2	21	7	1443	S	59.6313	-144.6120	144	150	21	7	2243	
GP20202.20	CTD	24	24	CSE1	21	7	1732	S	59.7847	-144.6882	46	35	22	7	0132	
GP20302.01	CTD	25	25	CC1	22	7	0508	S	59.7370	-147.8308	61	51	22	7	1308	
GP20302.06	CTD	26	26	CC2	22	7	1043	S	59.6732	-147.7338	110	100	22	7	1843	
GP20302.12	CTD	27	27	CC3	22	7	1322	S	59.5692	-147.6063	108	105	22	7	2122	
GP20302.17	CTD	28	28	CC4	22	7	1546	S	59.4718	-147.4800	116	103	22	7	2346	
GP20302.24	CTD	29	29	CC5	22	7	1832	S	59.3567	-147.3510	137	125	23	7	0232	
GP20302.28	CTD	30	30	CC6	22	7	2150	S	59.2333	-147.1683	198	184	23	7	0550	
GP20402.01	CTD	31	31	CC7	23	7	0623	S	59.0633	-146.9863	1829	220	23	7	1423	
GP20402.07	CTD	32	32	CC8	23	7	0943	S	58.8840	-146.7400	1829	250	23	7	1743	
GP20402.10	CTD	33	33	GAK13	23	7	1747	S	58.0985	-147.8052	>2000	220	24	7	0147	
GP20402.15	CTD	34	34	GAK12	23	7	2032	S	58.2493	-147.9318	1554	220	24	7	0432	
GP20502.01	CTD	35	35	GAK11	24	7	0629	S	58.3868	-148.0715	1646	220	24	7	1429	
GP20502.05	CTD	36	36	GAK10	24	7	0935	S	58.5403	-148.2060	1397	260	24	7	1735	
GP20502.10	CTD	37	37	GAK9	24	7	1220	S	58.6798	-148.3490	276	250	24	7	2020	
GP20502.15	CTD	38	38	GAK8	24	7	1517	S	58.8000	-148.4953	289	250	24	7	2317	
GP20502.20	CTD	39	39	GAK7	24	7	1930	S	58.9727	-148.6278	240	222	25	7	0330	
GP20602.01	CTD	40	40	GAK6	25	7	0617	S	59.1188	-148.8452	155	145	25	7	1417	
GP20602.07	CTD	41	41	GAK5	25	7	0927	S	59.2628	-148.9100	165	152	25	7	1727	
GP20602.13	CTD	42	43	GAK4	25	7	1214	S	59.4045	-149.0565	198	184	25	7	2014	
GP20602.19	CTD	43	45	GAK3	25	7	1458	S	59.5542	-149.2055	218	202	25	7	2258	
GP20602.25	CTD	44	46	GAK1	25	7	1852	S	59.8467	-149.4658	268	220	26	7	0252	
GP20702.01	CTD	45	47	GAK2	26	7	0220	S	59.6907	-149.3353	227	213	26	7	1020	
GP20702.06	CTD	46	47	GAK2	26	7	0638	S	59.6942	-149.3250	223	213	26	7	1438	
GP20702.11	CTD	47	47	GAK2	26	7	1014	S	59.6912	-149.3150	223	209	26	7	1814	
GP20702.16	CTD	48	47	GAK2	26	7	1409	S	59.6930	-149.3308	227	209	26	7	2209	
GP20702.21	CTD	49	47	GAK2	26	7	1818	S	59.6947	-149.3275	227	209	27	7	0218	
GP20702.26	CTD	50	47	GAK2	26	7	2217	S	59.6910	-149.3405	227	209	27	7	0617	

Table 4 CTD Casts (cont'd)

Event#	Instr	Cast	Sta	Sta Std	Local Day	Local Mos	Local Time	S/E Flag	Lat	Long	Water Depth	Cast Depth	GMT Day	GMT Mos	GMT Time	Comments
GP21002.01	CTD	51	48	GP1	29	7	0600	S	59.1652	-150.9308	62	55	29	7	1400	
GP21002.07	CTD	52	49	GP2	29	7	0930	S	59.0335	-150.8455	165	144	29	7	1730	
GP21002.12	CTD	53	50	GP3	29	7	1255	S	58.8797	-150.7398	135	115	29	7	2055	
GP21002.17	CTD	54	51	GP4	29	7	1601	S	58.7333	-150.6345	192	170	30	7	0001	
GP21002.22	CTD	55	52	GP5	29	7	1901	S	58.5843	-150.4852	183	170	30	7	0301	
GP21102.01	CTD	56	53	GP6	30	7	0625	S	58.4187	-150.3692	69	58	30	7	1425	
GP21102.07	CTD	57	54	GP7	30	7	0858	S	58.2665	-150.2647	59	50	30	7	1658	
GP21102.12	CTD	58	55	GP8	30	7	1145	S	58.1172	-150.1362	256	220	30	7	1945	
GP21102.17	CTD	59	56	GP9	30	7	1422	S	57.9667	-150.0415	251	220	30	7	2222	
GP21102.22	CTD	60	57	GP10	30	7	1703	S	57.8368	-149.9303	256	220	31	7	0103	
GP21202.01	CTD	61	58	GP11	31	7	0631	S	57.6505	-149.8060	585	220	31	7	1431	
GP21202.07	CTD	62	59	GP12	31	7	0926	S	57.4910	-149.6858	914	220	31	7	1726	
GP21202.12	CTD	63	60	GP13	31	7	1209	S	57.3395	-149.5627	1920	220	31	7	2009	
GP21202.17	CTD	64	61	GP14	31	7	1453	S	57.1908	-149.4270	>2000	220	31	7	2253	
GP21302.01	CTD	65	62	CC7	1	8	0623	S	56.2762	-150.8502	>2000	220	1	8	1423	
GP21302.07	CTD	66	63	CC6	1	8	1004	S	56.4897	-151.0505	>2000	220	1	8	1804	
GP21302.12	CTD	67	64	CC5	1	8	1320	S	56.7108	-151.2770	914	220	1	8	2120	
GP21302.17	CTD	68	65	CC4	1	8	1638	S	56.9292	-151.4968	274	220	2	8	0038	
GP21302.22	CTD	69	66	CC3	1	8	1939	S	57.1508	-151.7287	77	67	2	8	0339	
GP21402.01	CTD	70	67	CC2	2	8	0656	S	57.3698	-151.9400	68	57	2	8	1456	
GP21402.08	CTD	71	68	CC1	2	8	1019	S	57.5647	-152.1240	73	53	2	8	1819	
GP21502.01	CTD	72	69	CN3	3	8	0717	S	58.0438	-153.4473	69	53	3	8	1517	
GP21502.07	CTD	73	70	CN2	3	8	1015	S	58.1837	-153.6795	190	180	3	8	1815	
GP21502.12	CTD	74	71	CN1	3	8	1334	S	58.3678	-153.9312	91	55	3	8	2134	
GP21602.01	CTD	75	72	CK1	4	8	0719	S	57.7003	-155.2843	256	220	4	8	1519	
GP21602.07	CTD	76	73	CK2	4	8	1020	S	57.5825	-155.0502	238	220	4	8	1820	
GP21602.12	CTD	77	74	CK3	4	8	1324	S	57.4332	-154.7667	73	69	4	8	2124	
GP21702.01	CTD	78	75	CKAG1	5	8	0544	S	56.6753	-153.9000	55	40	5	8	1344	
GP21702.07	CTD	79	76	CKAG2	5	8	0838	S	56.4803	-153.7085	91	82	5	8	1638	
GP21702.12	CTD	80	77	CKAG3	5	8	1142	S	56.2597	-153.4872	82	73	5	8	1942	
GP21702.17	CTD	81	78	CKAG4	5	8	1423	S	56.1070	-153.3380	914	220	5	8	2223	
GP21702.22	CTD	82	79	CKAG5	5	8	1733	S	55.9002	-153.1282	>2000	220	6	8	0133	
GP21702.27	CTD	83	80	CKAG6	5	8	2038	S	55.6808	-152.9045	>2000	220	6	8	0438	

Table 5 Trawls

Event#	Instr	Cast	Sta	Sta Std	Local Day	Local Mos	Local Time	S/E Flag	Lat	Long	Water Depth	Cast Depth	GMT Day	GMT Mos	GMT Time	Comments
GP19802.04	Trawl	1	1	OC1	17	7	0747	S	59.5137	-139.8943	43	0	17	7	0347	
GP19802.05	Trawl	1	1	OC1	17	7	0817	E	59.4853	-139.9352	108	0	17	7	1617	
GP19802.11	Trawl	2	2	OC2	17	7	1052	S	59.3897	-139.9382	181	0	17	7	1852	
GP19802.12	Trawl	2	2	OC2	17	7	1122	E	59.3492	-139.9578	172	0	17	7	1922	
GP19802.17	Trawl	3	3	OC3	17	7	1347	S	59.2248	-139.9860	121	0	17	7	2147	
GP19802.18	Trawl	3	3	OC3	17	7	1417	E	59.1895	-139.9893	117	0	17	7	2217	
GP19802.22	Trawl	4	4	OC4	17	7	1646	S	59.0558	-140.0540	127	0	18	7	0046	
GP19802.23	Trawl	4	4	OC4	17	7	1716	E	59.0222	-140.0638	135	0	18	7	0116	
GP19802.28	Trawl	5	5	OC5	17	7	2002	S	58.8927	-140.1053	171	0	18	7	0402	
GP19802.29	Trawl	5	5	OC5	17	7	2032	E	58.8590	-140.1193	176	0	18	7	0432	
GP19902.05	Trawl	6	6	OC6	18	7	0830	S	58.6718	-140.2052	213	0	18	7	1630	
GP19902.06	Trawl	6	6	OC6	18	7	0900	E	58.6365	-140.2237	525	0	18	7	1700	
GP19902.10	Trawl	7	7	OC7	18	7	1111	S	58.5060	-140.2378	978	0	18	7	1911	
GP19902.11	Trawl	7	7	OC7	18	7	1141	E	58.4717	-140.2568	1033	0	18	7	1941	
GP19902.15	Trawl	8	8	OC8	18	7	1410	S	58.3467	-140.2997	>2000	0	18	7	2210	
GP19902.16	Trawl	8	8	OC8	18	7	1440	E	58.3087	-140.3167	>2000	0	18	7	2240	
GP19902.20	Trawl	9	9	OC9	18	7	1738	S	58.1903	-140.3587	>2000	0	19	7	0138	
GP19902.21	Trawl	9	9	OC9	18	7	1808	E	58.1573	-140.3738	>2000	0	19	7	0208	
GP19902.26	Trawl	10	10	OC10	18	7	1957	S	58.0357	-140.4145	>2000	0	19	7	0357	
GP19902.27	Trawl	10	10	OC10	18	7	2027	E	58.0035	-140.4295	>2000	0	19	7	0427	
GP20002.05	Trawl	11	11	IB9	19	7	0712	S	58.7882	-142.7612	>2000	0	19	7	1512	
GP20002.06	Trawl	11	11	IB9	19	7	0742	E	58.8220	-142.7482	>2000	0	19	7	1542	
GP20002.10	Trawl	12	12	IB8	19	7	0958	S	58.9525	-142.7257	>2000	0	19	7	1758	
GP20002.11	Trawl	12	12	IB8	19	7	1028	E	58.9865	-142.7163	>2000	0	19	7	1828	
GP20002.15	Trawl	13	13	IB7	19	7	1325	S	59.1198	-142.6830	>2000	0	19	7	2125	
GP20002.16	Trawl	13	13	IB7	19	7	1355	E	59.1557	-142.6652	>2000	0	19	7	2155	
GP20002.20	Trawl	14	14	IB6	19	7	1614	S	59.2873	-142.6497	1939	0	20	7	0014	
GP20002.21	Trawl	14	14	IB6	19	7	1644	E	59.3228	-142.6542	1829	0	20	7	0044	
GP20002.26	Trawl	15	15	IB5	19	7	1858	S	59.4495	-142.6072	1139	0	20	7	0258	
GP20002.27	Trawl	15	15	IB5	19	7	1928	E	59.4833	-142.6033	850	0	20	7	0328	
GP20102.05	Trawl	16	16	IB3	20	7	0750	S	59.7290	-142.5398	221	0	20	7	1550	
GP20102.06	Trawl	16	16	IB3	20	7	0820	E	59.7635	-142.5422	170	0	20	7	1620	
GP20102.10	Trawl	17	17	IB2	20	7	1027	S	59.8852	-142.4992	82	0	20	7	1827	
GP20102.11	Trawl	17	17	IB2	20	7	1057	E	59.9187	-142.5000	104	0	20	7	1857	
GP20102.17	Trawl	18	18	IB1	20	7	1433	S	60.0407	-142.4433	31	0	20	7	2233	
GP20102.18	Trawl	18	18	IB1	20	7	1503	E	60.0008	-142.4892	60	0	20	7	2303	
GP20102.23	Trawl	19	19	IB4	20	7	1920	S	59.5548	-142.5853	139	0	21	7	0320	
GP20102.24	Trawl	19	19	IB4	20	7	1950	E	59.5885	-142.5830	466	0	21	7	0350	
GP20202.04	Trawl	20	20	CSE5	21	7	0615	S	59.1375	-144.6107	>2000	0	21	7	1415	
GP20202.05	Trawl	20	20	CSE5	21	7	0645	E	59.1693	-144.6258	>2000	0	21	7	1445	
GP20202.07	Trawl	21	21	CSE4	21	7	0940	S	59.3047	-144.6113	>2000	0	21	7	1740	
GP20202.08	Trawl	21	21	CSE4	21	7	1010	E	59.3430	-144.6263	>2000	0	21	7	1810	
GP20202.12	Trawl	22	22	CSE3	21	7	1232	S	59.4683	-144.6142	953	0	21	7	2032	
GP20202.13	Trawl	22	22	CSE3	21	7	1302	E	59.5018	-144.6297	536	0	21	7	2102	
GP20202.17	Trawl	23	23	CSE2	21	7	1529	S	59.6187	-144.6385	143	0	21	7	2329	
GP20202.18	Trawl	23	23	CSE2	21	7	1559	E	59.6527	-144.6618	146	0	21	7	2359	
GP20202.21	Trawl	24	24	CSE1	21	7	1812	S	59.7963	-144.6460	33	0	22	7	0212	
GP20202.22	Trawl	24	24	CSE1	21	7	1842	E	59.7897	-144.7158	53	0	22	7	0242	
GP20302.04	Trawl	25	25	CC1	22	7	0917	S	59.7430	-147.8235	53	0	22	7	1717	

Table 5 Trawls (cont'd)

Event#	Instr	Cast	Sta	Sta Std	Local Day	Local Mos	Local Time	S/E Flag	Lat	Long	Water Depth	Cast Depth	GMT Day	GMT Mos	GMT Time	Comments
GP20302.10	Trawl	26	26	CC2	22	7	1135	S	59.6865	-147.7392	112	0	22	7	1935	
GP20302.11	Trawl	26	26	CC2	22	7	1205	E	59.6643	-147.6982	115	0	22	7	2005	
GP20302.15	Trawl	27	27	CC3	22	7	1412	S	59.5763	-147.6040	111	0	22	7	2212	
GP20302.16	Trawl	27	27	CC3	22	7	1442	E	59.5458	-147.5617	101	0	22	7	2242	
GP20302.20	Trawl	28	28	CC4	22	7	1650	S	59.4747	-147.4910	113	0	23	7	0050	
GP20302.21	Trawl	28	28	CC4	22	7	1720	E	59.4428	-147.4522	113	0	23	7	0120	
GP20302.26	Trawl	29	29	CC5	22	7	1930	S	59.3682	-147.3832	119	0	23	7	0330	
GP20302.27	Trawl	29	29	CC5	22	7	2000	E	59.3398	-147.3582	141	0	23	7	0400	
GP20302.29	Trawl	30	30	CC6	22	7	2230	S	59.2390	-147.1938	192	0	23	7	0630	
GP20302.30	Trawl	30	30	CC6	22	7	2300	E	59.2077	-147.1725	393	0	23	7	0700	
GP20402.04	Trawl	31	31	CC7	23	7	0713	S	59.0722	-146.9943	1582	0	23	7	1513	
GP20402.05	Trawl	31	31	CC7	23	7	0743	E	59.0468	-146.9577	1829	0	23	7	1543	
GP20402.08	Trawl	32	32	CC8	23	7	1020	S	58.8932	-146.7560	>2000	0	23	7	1820	
GP20402.09	Trawl	32	32	CC8	23	7	1050	E	58.8650	-146.7307	>2000	0	23	7	1850	
GP20402.13	Trawl	33	33	GAK13	23	7	1842	S	58.0895	-147.8010	>2000	0	24	7	0242	
GP20402.14	Trawl	33	33	GAK13	23	7	1912	E	58.1220	-147.8368	>2000	0	24	7	0312	
GP20402.19	Trawl	34	34	GAK12	23	7	2137	S	58.2333	-147.9147	1682	0	24	7	0537	
GP20402.20	Trawl	34	34	GAK12	23	7	2207	E	58.2642	-147.9283	1646	0	24	7	0607	
GP20502.03	Trawl	35	35	GAK11	24	7	0726	S	58.3798	-148.0507	1326	0	24	7	1526	
GP20502.04	Trawl	35	35	GAK11	24	7	0756	E	58.4145	-148.0825	1350	0	24	7	1556	
GP20502.08	Trawl	36	36	GAK10	24	7	1020	S	58.5252	-148.1988	911	0	24	7	1820	
GP20502.09	Trawl	36	36	GAK10	24	7	1050	E	58.5475	-148.2257	920	0	24	7	1850	
GP20502.13	Trawl	37	37	GAK9	24	7	1316	S	58.6707	-148.3455	274	0	24	7	2116	
GP20502.14	Trawl	37	37	GAK9	24	7	1346	E	58.6970	-148.3762	282	0	24	7	2146	
GP20502.18	Trawl	38	38	GAK8	24	7	1620	S	58.7907	-148.4693	285	0	25	7	0020	
GP20502.19	Trawl	38	38	GAK8	24	7	1650	E	58.8230	-148.5003	291	0	25	7	0050	
GP20502.24	Trawl	39	39	GAK7	24	7	2035	S	58.9548	-148.6230	249	0	25	7	0435	
GP20502.25	Trawl	39	39	GAK7	24	7	2105	E	58.9948	-148.6450	239	0	25	7	0505	
GP20602.05	Trawl	40	40	GAK6	25	7	0707	S	59.1103	-148.7548	148	0	25	7	1507	
GP20602.06	Trawl	40	40	GAK6	25	7	0737	E	59.1400	-148.7780	139	0	25	7	1537	
GP20602.10	Trawl	41	41	GAK5	25	7	1013	S	59.2528	-148.9047	161	0	25	7	1813	
GP20602.11	Trawl	41	41	GAK5	25	7	1043	E	59.2812	-148.9390	176	0	25	7	1843	
GP20602.16	Trawl	42	43	GAK4	25	7	1307	S	59.3897	-149.0530	201	0	25	7	2107	
GP20602.17	Trawl	42	43	GAK4	25	7	1337	E	59.4170	-149.1098	205	0	25	7	2137	
GP20602.22	Trawl	43	45	GAK3	25	7	1545	S	59.5515	-149.1770	211	0	25	7	2345	
GP20602.23	Trawl	43	45	GAK3	25	7	1615	E	59.5667	-149.2000	210	0	26	7	0015	
GP20602.29	Trawl	44	46	GAK1	25	7	1955	S	59.8583	-149.4645	263	0	26	7	0355	
GP20602.30	Trawl	44	46	GAK1	25	7	2025	E	59.8338	-149.4342	271	0	26	7	0425	
GP20702.04	Trawl	45	47	GAK2	26	7	0305	S	59.7003	-149.3610	243	0	26	7	1105	
GP20702.05	Trawl	45	47	GAK2	26	7	0335	E	59.6685	-149.3408	227	0	26	7	1135	
GP20702.09	Trawl	46	47	GAK2	26	7	0733	S	59.7067	-149.3252	223	0	26	7	1533	
GP20702.10	Trawl	46	47	GAK2	26	7	0803	E	59.6847	-149.2845	210	0	26	7	1603	
GP20702.14	Trawl	47	47	GAK2	26	7	1105	S	59.6990	-149.3300	225	0	26	7	1905	
GP20702.15	Trawl	47	47	GAK2	26	7	1135	E	59.6675	-149.3007	216	0	26	7	1905	
GP20702.19	Trawl	48	47	GAK2	26	7	1500	S	59.6860	-149.3272	225	0	26	7	2300	
GP20702.20	Trawl	48	47	GAK2	26	7	1530	E	59.7162	-149.3475	236	0	26	7	2330	
GP20702.24	Trawl	49	47	GAK2	26	7	1903	S	59.7012	-149.3378	230	0	27	7	0303	
GP20702.25	Trawl	49	47	GAK2	26	7	1933	E	59.6737	-149.5300	218	0	27	7	0333	
GP20702.29	Trawl	50	47	GAK2	26	7	2308	S	59.6822	-149.3220	221	0	27	7	0708	
GP20702.30	Trawl	50	47	GAK2	26	7	2338	E	59.7112	-149.3522	236	0	27	7	0738	

Event#	Instr	Cast	Sta	Sta Std	Local Day	Local Mos	Local Time	S/E Flag	Lat	Long	Water Depth	Cast Depth	GMT Day	GMT Mos	GMT Time	Comments
GP21002.06	Trawl	51	48	GP1	29	7	0730	E	59.1297	-150.9038	84	0	29	7	1530	
GP21002.10	Trawl	52	49	GP2	29	7	1024	S	59.0408	-150.8567	166	0	29	7	1824	
GP21002.11	Trawl	52	49	GP2	29	7	1054	E	59.0097	-150.8255	159	0	29	7	1854	
GP21002.15	Trawl	53	50	GP3	29	7	1352	S	58.8888	-150.7508	135	0	29	7	2152	
GP21002.16	Trawl	53	50	GP3	29	7	1422	E	58.8615	-150.7388	134	0	29	7	2222	
GP21002.20	Trawl	54	51	GP4	29	7	1648	S	58.7450	-150.6453	190	0	30	7	0048	
GP21002.21	Trawl	54	51	GP4	29	7	1718	E	58.7182	-150.6222	201	0	30	7	0118	
GP21002.26	Trawl	55	52	GP5	29	7	1952	S	58.5963	-150.4937	185	0	30	7	0352	
GP21002.27	Trawl	55	52	GP5	29	7	2022	E	58.5730	-150.4443	181	0	30	7	0422	
GP21102.05	Trawl	56	53	GP6	30	7	0709	S	58.4268	-150.3845	69	0	30	7	1509	
GP21102.06	Trawl	56	53	GP6	30	7	0739	E	58.4033	-150.3347	69	0	30	7	1539	
GP21102.10	Trawl	57	54	GP7	30	7	0940	S	58.2748	-150.2747	57	0	30	7	1740	
GP21102.11	Trawl	57	54	GP7	30	7	1010	E	58.2527	-150.2270	62	0	30	7	1810	
GP21102.15	Trawl	58	55	GP8	30	7	1232	S	58.1220	-150.1665	249	0	30	7	2032	
GP21102.16	Trawl	58	55	GP8	30	7	1302	E	58.0977	-150.1002	296	0	30	7	2102	
GP21102.20	Trawl	59	56	GP9	30	7	1511	S	57.9735	-150.0577	249	0	30	7	2311	
GP21102.21	Trawl	59	56	GP9	30	7	1541	E	57.9538	-150.0187	256	0	30	7	2341	
GP21102.26	Trawl	60	57	GP10	30	7	1758	S	57.8457	-149.9338	258	0	31	7	0158	
GP21102.27	Trawl	60	57	GP10	30	7	1828	E	57.8173	-149.9100	252	0	31	7	0228	
GP21202.05	Trawl	61	58	GP11	31	7	0732	S	57.6583	-149.8170	532	0	31	7	1532	
GP21202.06	Trawl	61	58	GP11	31	7	0802	E	57.6367	-149.7672	775	0	31	7	1602	
GP21202.10	Trawl	62	59	GP12	31	7	1010	S	57.4982	-149.7087	914	0	31	7	1810	
GP21202.11	Trawl	62	59	GP12	31	7	1040	E	57.4767	-149.6578	914	0	31	7	1840	
GP21202.15	Trawl	63	60	GP13	31	7	1254	S	57.3433	-149.5873	1920	0	31	7	2054	
GP21202.16	Trawl	63	60	GP13	31	7	1324	E	57.3237	-149.5335	1920	0	31	7	2124	
GP21202.21	Trawl	64	61	GP14	31	7	1556	S	57.1910	-149.4575	>2000	0	31	7	2356	
GP21202.22	Trawl	64	61	GP14	31	7	1626	E	57.1787	-149.4068	>2000	0	1	8	0026	
GP21302.05	Trawl	65	62	CC7	1	8	0722	S	56.2645	-150.8377	>2000	0	1	8	1522	
GP21302.06	Trawl	65	62	CC7	1	8	0753	E	56.2903	-150.8662	>2000	0	1	8	1553	
GP21302.10	Trawl	66	63	CC6	1	8	1044	S	56.4770	-151.0457	>2000	0	1	8	1844	
GP21302.11	Trawl	66	63	CC6	1	8	1114	E	56.5028	-151.0670	>2000	0	1	8	1914	
GP21302.15	Trawl	67	64	CC5	1	8	1407	S	56.6993	-151.2738	1143	0	1	8	2207	
GP21302.16	Trawl	67	64	CC5	1	8	1437	E	56.7322	-151.2845	896	0	1	8	2237	
GP21302.20	Trawl	68	65	CC4	1	8	1722	S	56.9225	-151.4862	499	0	2	8	0122	
GP21302.21	Trawl	68	65	CC4	1	8	1752	E	56.9502	-151.5165	229	0	2	8	0152	
GP21302.26	Trawl	69	66	CC3	1	8	2026	S	57.1413	-151.7203	77	0	2	8	0426	
GP21302.27	Trawl	69	66	CC3	1	8	2056	E	57.1717	-151.7487	77	0	2	8	0456	
GP21402.05	Trawl	70	67	CC2	2	8	0746	S	57.3657	-151.9618	69	0	2	8	1546	
GP21402.06	Trawl	70	67	CC2	2	8	0816	E	57.3850	-151.9113	67	0	2	8	1616	
GP21402.11	Trawl	71	68	CC1	2	8	1101	S	57.5555	-152.1263	66	0	2	8	1901	
GP21402.12	Trawl	71	68	CC1	2	8	1131	E	57.5813	-152.1085	77	0	2	8	1931	
GP21502.05	Trawl	72	69	CN3	3	8	0806	S	58.0395	-153.4373	69	0	3	8	1606	
GP21502.06	Trawl	72	69	CN3	3	8	0836	E	58.0667	-153.4722	68	0	3	8	1636	
GP21502.10	Trawl	73	70	CN2	3	8	1112	S	58.1747	-153.6800	192	0	3	8	1912	
GP21502.11	Trawl	73	70	CN2	3	8	1142	E	58.2042	-153.7085	190	0	3	8	1942	
GP21502.16	Trawl	74	71	CN1	3	8	1422	S	58.3600	-153.9487	31	0	3	8	2222	
GP21502.17	Trawl	74	71	CN1	3	8	1452	E	58.3785	-153.8997	141	0	3	8	2252	
GP21602.05	Trawl	75	72	CK1	4	8	0813	S	57.7093	-155.2753	230	0	4	8	1613	
GP21602.06	Trawl	75	72	CK1	4	8	0843	E	57.6767	-155.2908	302	0	4	8	1643	
GP21602.10	Trawl	76	73	CK2	4	8	1107	S	57.5873	-155.0595	240	0	4	8	1907	

Table 5 Trawls (cont'd)

Event#	Instr	Cast	Sta	Sta Std	Local Day	Local Mos	Local Time	S/E Flag	Lat	Long	Water Depth	Cast Depth	GMT Day	GMT Mos	GMT Time	Comments
GP21602.16	Trawl	77	74	CK3	4	8	1407	S	57.4397	-154.7515	64	0	4	8	2207	
GP21602.17	Trawl	77	74	CK3	4	8	1437	E	57.4187	-154.7975	102	0	4	8	2237	
GP21702.05	Trawl	78	75	CKAG1	5	8	0632	S	56.6827	-153.9058	37	0	5	8	1432	
GP21702.06	Trawl	78	75	CKAG1	5	8	0702	E	56.6615	-153.8630	84	0	5	8	1502	
GP21702.10	Trawl	79	76	CKAG2	5	8	0920	S	56.4777	-153.7337	86	0	5	8	1720	
GP21702.11	Trawl	79	76	CKAG2	5	8	0950	E	56.4652	-153.6680	106	0	5	8	1750	
GP21702.15	Trawl	80	77	CKAG3	5	8	1221	S	56.2718	-153.5037	80	0	5	8	2021	
GP21702.16	Trawl	80	77	CKAG3	5	8	1251	E	56.2465	-153.4708	88	0	5	8	2051	
GP21702.20	Trawl	81	78	CKAG4	5	8	1509	S	56.1203	-153.3512	958	0	5	8	2309	
GP21702.21	Trawl	81	78	CKAG4	5	8	1539	E	56.0977	-153.3145	958	0	5	8	2339	
GP21702.25	Trawl	82	79	CKAG5	5	8	1818	S	55.9060	-153.1368	>2000	0	6	8	0218	
GP21702.26	Trawl	82	79	CKAG5	5	8	1848	E	55.8793	-153.1105	>2000	0	6	8	0248	
GP21702.31	Trawl	83	80	CKAG6	5	8	2118	S	55.6888	-152.9213	>2000	0	6	8	0518	
GP21702.32	Trawl	83	80	CKAG6	5	8	2148	E	55.6643	-152.8877	>2000	0	6	8	0548	

Table 6 Tucker Trawls

Event#	Instr	Cast	Sta	Sta Std	Local Day	Local Mos	Local Time	S/E Flag	Lat	Long	Water Depth	Cast Depth	GMT Day	GMT Mos	GMT Time	Comments
GP19802.02	Tucker	1	1	OC1	17	7	0656	S	59.4907	-139.8850	78	0	17	7	1456	
GP19802.03	Tucker	1	1	OC1	17	7	0701	E	59.4890	-139.8890	82	0	17	7	1501	
GP19802.09	Tucker	2	2	OC2	17	7	1010	S	59.3752	-139.9308	182	0	17	7	1810	
GP19802.10	Tucker	2	2	OC2	17	7	1015	E	59.3773	-139.9292	181	0	17	7	1815	
GP19802.15	Tucker	3	3	OC3	17	7	1302	S	59.2187	-139.9797	113	0	17	7	2102	
GP19802.16	Tucker	3	3	OC3	17	7	1307	E	59.2162	-139.9850	115	0	17	7	2107	
GP19802.20	Tucker	4	4	OC4	17	7	1550	S	59.0465	-140.0497	124	0	17	7	2350	
GP19802.21	Tucker	4	4	OC4	17	7	1555	E	59.0432	-140.0542	126	0	17	7	2355	
GP19802.26	Tucker	5	5	OC5	17	7	1911	S	58.8887	-140.1073	170	0	18	7	0311	
GP19802.27	Tucker	5	5	OC5	17	7	1916	E	58.8862	-140.1095	172	0	18	7	0316	
GP19902.02	Tucker	6	6	OC6	18	7	0648	S	58.6733	-140.1990	217	0	18	7	1448	
GP19902.03	Tucker	6	6	OC6	18	7	0653	E	58.6738	-140.1917	210	0	18	7	1453	
GP19902.08	Tucker	7	7	OC7	18	7	1033	S	58.5022	-140.2472	933	0	18	7	1833	
GP19902.09	Tucker	7	7	OC7	18	7	1038	E	58.5013	-140.2413	922	0	18	7	1838	
GP19902.13	Tucker	8	8	OC8	18	7	1323	S	58.3453	-140.2940	>2000	0	18	7	2123	
GP19902.14	Tucker	8	8	OC8	18	7	1328	E	58.3443	-140.2883	>2000	0	18	7	2128	
GP19902.18	Tucker	9	9	OC9	18	7	1630	S	58.1750	-140.3470	>2000	0	19	7	0030	
GP19902.19	Tucker	9	9	OC9	18	7	1635	E	58.1738	-140.3422	>2000	0	19	7	0035	
GP19902.23	Tucker	10	10	OC10	18	7	1913	S	58.0260	-140.4187	>2000	0	19	7	0313	
GP19902.24	Tucker	10	10	OC10	18	7	1918	E	58.0250	-140.4148	>2000	0	19	7	0318	
GP20002.03	Tucker	11	11	IB9	19	7	0637	S	58.7988	-142.7617	>2000	0	19	7	1437	
GP20002.04	Tucker	11	11	IB9	19	7	0642	E	58.7988	-142.7563	>2000	0	19	7	1442	
GP20002.08	Tucker	12	12	IB8	19	7	0912	S	58.9657	-142.7260	>2000	0	19	7	1712	
GP20002.09	Tucker	12	12	IB8	19	7	0917	E	58.9677	-142.7198	>2000	0	19	7	1717	
GP20002.13	Tucker	13	13	IB7	19	7	1239	S	59.1358	-142.6817	>2000	0	19	7	2039	
GP20002.14	Tucker	13	13	IB7	19	7	1244	E	59.1363	-142.6777	>2000	0	19	7	2044	
GP20002.18	Tucker	14	14	IB6	19	7	1537	S	59.3018	-142.6442	1939	0	19	7	2337	
GP20002.19	Tucker	14	14	IB6	19	7	1542	E	59.3033	-142.6417	1939	0	19	7	2342	
GP20002.24	Tucker	15	15	IB5	19	7	1827	S	59.4645	-142.5965	349	0	20	7	0227	
GP20002.25	Tucker	15	15	IB5	19	7	1832	E	59.4627	-142.5957	364	0	20	7	0232	
GP20102.03	Tucker	16	16	IB3	20	7	0717	S	59.7430	-142.5428	208	0	20	7	1517	
GP20102.04	Tucker	16	16	IB3	20	7	0722	E	59.7433	-142.5377	194	0	20	7	1522	
GP20102.08	Tucker	17	17	IB2	20	7	0952	S	59.9023	-142.4993	124	0	20	7	1752	
GP20102.09	Tucker	17	17	IB2	20	7	0957	E	59.9018	-142.4962	124	0	20	7	1757	
GP20102.15	Tucker	18	18	IB1	20	7	1337	S	60.0037	-142.4508	61	0	20	7	2137	
GP20102.16	Tucker	18	18	IB1	20	7	1342	E	60.0022	-142.4507	60	0	20	7	2142	
GP20102.21	Tucker	19	19	IB4	20	7	1840	S	59.5723	-142.5752	334	0	21	7	0240	
GP20102.22	Tucker	19	19	IB4	20	7	1845	E	59.5728	-142.5712	261	0	21	7	0245	
GP20202.02	Tucker	20	20	CSE5	21	7	0532	S	59.1517	-144.6055	>2000	0	21	7	1332	
GP20202.03	Tucker	20	20	CSE5	21	7	0537	E	59.1508	-144.6010	>2000	0	21	7	1337	
GP20202.10	Tucker	21	22	CSE3	21	7	1155	S	59.4840	-144.6087	852	0	21	7	1955	
GP20202.11	Tucker	21	22	CSE3	21	7	1200	E	59.4840	-144.6057	805	0	21	7	2000	
GP20202.15	Tucker	22	23	CSE2	21	7	1450	S	59.6315	-144.6130	144	0	21	7	2250	
GP20202.16	Tucker	22	23	CSE2	21	7	1455	E	59.6310	-144.6107	145	0	21	7	2255	
GP20302.02	Tucker	23	25	CC1	22	7	0520	S	59.7343	-147.8417	61	0	22	7	1320	
GP20302.03	Tucker	23	25	CC1	22	7	0525	E	59.7325	-147.8423	63	0	22	7	1325	
GP20302.08	Tucker	24	26	CC2	22	7	1103	S	59.6762	-147.7397	113	0	22	7	1903	
GP20302.09	Tucker	24	26	CC2	22	7	1108	E	59.6762	-147.7358	113	0	22	7	1908	
GP20302.13	Tucker	25	27	CC3	22	7	1330	S	59.5685	-147.5918	108	0	22	7	2130	
GP20302.14	Tucker	25	27	CC3	22	7	1335	E	59.5683	-147.5872	109	0	22	7	2135	

Table 6 Tucker Trawls (cont'd)

Event#	Instr	Cast	Sta	Sta Std	Local Day	Local Mos	Local Time	S/E Flag	Lat	Long	Water Depth	Cast Depth	GMT Day	GMT Mos	GMT Time	Comments
GP20302.19	Tucker	26	28	CC4	22	7	1559	E	59.4642	-147.4790	114	0	22	7	2359	
GP20302.22	Tucker	27	29	CC5	22	7	1748	S	59.3572	-147.3660	124	0	23	7	0148	
GP20302.23	Tucker	27	29	CC5	22	7	1753	E	59.3582	-147.3652	124	0	23	7	0153	
GP20402.02	Tucker	28	31	CC7	23	7	0632	S	59.0650	-146.9892	1829	0	23	7	1432	
GP20402.03	Tucker	28	31	CC7	23	7	0637	E	59.0648	-146.9852	1829	0	23	7	1437	
GP20402.11	Tucker	29	33	GAK13	23	7	1757	S	58.1003	-147.8088	>2000	0	24	7	0157	
GP20402.12	Tucker	29	33	GAK13	23	7	1803	E	58.1002	-147.8055	>2000	0	24	7	0203	
GP20402.17	Tucker	30	34	GAK12	23	7	2055	S	58.2552	-147.9272	1554	0	24	7	0455	
GP20402.18	Tucker	30	34	GAK12	23	7	2100	E	58.2558	-147.9223	1554	0	24	7	0500	
GP20502.06	Tucker	31	36	GAK10	24	7	0946	S	58.5370	-148.1992	1397	0	24	7	1746	
GP20502.07	Tucker	31	36	GAK10	24	7	0951	E	58.5353	-148.2005	1397	0	24	7	1751	
GP20502.11	Tucker	32	37	GAK9	24	7	1241	S	58.6828	-148.3453	276	0	24	7	2041	
GP20502.12	Tucker	32	37	GAK9	24	7	1246	E	58.6813	-148.3495	278	0	24	7	2046	
GP20502.16	Tucker	33	38	GAK8	24	7	1532	S	58.8003	-148.4920	289	0	24	7	2332	
GP20502.17	Tucker	33	38	GAK8	24	7	1537	E	58.7983	-148.4950	291	0	24	7	2337	
GP20502.22	Tucker	34	39	GAK7	24	7	1955	S	58.9748	-148.6147	238	0	25	7	0355	
GP20502.23	Tucker	34	39	GAK7	24	7	2000	E	58.9720	-148.6127	240	0	25	7	0400	
GP20602.03	Tucker	35	40	GAK6	25	7	0632	S	59.1173	-148.7530	155	0	25	7	1432	
GP20602.04	Tucker	35	40	GAK6	25	7	0637	E	59.1143	-148.7535	155	0	25	7	1437	
GP20602.08	Tucker	36	41	GAK5	25	7	0936	S	59.2598	-148.9100	165	0	25	7	1736	
GP20602.09	Tucker	36	41	GAK5	25	7	0941	E	59.2577	-148.9115	163	0	25	7	1741	
GP20602.14	Tucker	37	43	GAK4	25	7	1222	S	59.4057	-149.0585	199	0	25	7	2022	
GP20602.15	Tucker	37	43	GAK4	25	7	1227	E	59.4035	-149.0630	200	0	25	7	2027	
GP20602.20	Tucker	38	45	GAK3	25	7	1508	S	59.5553	-149.2088	217	0	25	7	2308	
GP20602.21	Tucker	38	45	GAK3	25	7	1513	E	59.5533	-149.2120	218	0	25	7	2313	
GP20602.27	Tucker	39	46	GAK1	25	7	1913	S	59.8480	-149.4620	267	0	26	7	0313	
GP20602.28	Tucker	39	46	GAK1	25	7	1918	E	59.8467	-149.4587	267	0	26	7	0318	
GP20702.02	Tucker	40	47	GAK2	26	7	0230	S	59.6933	-149.3430	234	0	26	7	1030	
GP20702.03	Tucker	40	47	GAK2	26	7	0235	E	59.6935	-149.3467	238	0	26	7	1035	
GP20702.07	Tucker	41	47	GAK2	26	7	0650	S	59.6948	-149.3225	221	0	26	7	1450	
GP20702.08	Tucker	41	47	GAK2	26	7	0655	E	59.6938	-149.3323	221	0	26	7	1455	
GP20702.12	Tucker	42	47	GAK2	26	7	1025	S	59.6925	-149.3362	229	0	26	7	1825	
GP20702.13	Tucker	42	47	GAK2	26	7	1030	E	59.6943	-149.3393	229	0	26	7	1830	
GP20702.17	Tucker	43	47	GAK2	26	7	1418	S	59.6938	-149.3323	230	0	26	7	2218	
GP20702.18	Tucker	43	47	GAK2	26	7	1424	E	59.6907	-149.3312	227	0	26	7	2224	
GP20702.22	Tucker	44	47	GAK2	26	7	1827	S	59.6962	-149.3260	227	0	27	7	0227	
GP20702.23	Tucker	44	47	GAK2	26	7	1832	E	59.6935	-149.3250	227	0	27	7	0232	
GP20702.27	Tucker	45	47	GAK2	26	7	2225	S	59.6910	-149.3452	227	0	27	7	0625	
GP20702.28	Tucker	45	47	GAK2	26	7	2230	E	59.6890	-149.3505	227	0	27	7	0630	
GP21002.03	Tucker	46	48	GP1	29	7	0617	S	59.1622	-150.9292	62	0	29	7	1417	
GP21002.04	Tucker	46	48	GP1	29	7	0622	E	59.1490	-150.9387	62	0	29	7	1422	
GP21002.08	Tucker	47	49	GP2	29	7	0939	S	59.0312	-150.8598	165	0	29	7	1739	
GP21002.09	Tucker	47	49	GP2	29	7	0944	E	59.0295	-150.8348	165	0	29	7	1744	
GP21002.13	Tucker	48	50	GP3	29	7	1301	S	58.8782	-150.7440	135	0	29	7	2101	
GP21002.14	Tucker	48	50	GP3	29	7	1306	E	58.8778	-150.7528	135	0	29	7	2106	
GP21002.18	Tucker	49	51	GP4	29	7	1613	S	58.7330	-150.6473	192	0	30	7	0013	
GP21002.19	Tucker	49	51	GP4	29	7	1618	E	58.7348	-150.6557	192	0	30	7	0018	
GP21002.24	Tucker	50	52	GP5	29	7	1919	S	58.5857	-150.4788	183	0	30	7	0319	
GP21002.25	Tucker	50	52	GP5	29	7	1924	E	58.5880	-150.4802	183	0	30	7	0324	
GP21102.03	Tucker	51	53	GP6	30	7	0637	S	58.4192	-150.3670	69	0	30	7	1437	

Table 6 Tucker Trawls (cont'd)

Event#	Instr	Cast	Sta	Sta Std	Local Day	Local Mos	Local Time	S/E Flag	Lat	Long	Water Depth	Cast Depth	GMT Day	GMT Mos	GMT Time	Comments
GP21102.04	Tucker	51	53	GP6	30	7	0642	E	58.4187	-150.3713	69	0	30	7	1442	
GP21102.08	Tucker	52	54	GP7	30	7	0905	S	58.2640	-150.2642	59	0	30	7	1705	
GP21102.09	Tucker	52	54	GP7	30	7	0910	E	58.2628	-150.2693	59	0	30	7	1710	
GP21102.13	Tucker	53	55	GP8	30	7	1152	S	58.1183	-150.1325	256	0	30	7	1952	
GP21102.14	Tucker	53	55	GP8	30	7	1157	E	58.1215	-150.1327	256	0	30	7	1957	
GP21102.18	Tucker	54	56	GP9	30	7	1438	S	57.9667	-150.0460	251	0	30	7	2238	
GP21102.19	Tucker	54	56	GP9	30	7	1443	E	57.9693	-150.0478	251	0	30	7	2243	
GP21102.24	Tucker	55	57	GP10	30	7	1723	S	57.8403	-149.9298	256	0	31	7	0123	
GP21102.25	Tucker	55	57	GP10	30	7	1728	E	57.8397	-149.9342	256	0	31	7	0128	
GP21202.03	Tucker	56	58	GP11	31	7	0653	S	57.6525	-149.8027	585	0	31	7	1453	
GP21202.04	Tucker	56	58	GP11	31	7	0657	E	57.6527	-149.8043	585	0	31	7	1457	
GP21202.08	Tucker	57	59	GP12	31	7	0934	S	57.4913	-149.6878	914	0	31	7	1734	
GP21202.09	Tucker	57	59	GP12	31	7	0939	E	57.4857	-149.6897	914	0	31	7	1739	
GP21202.13	Tucker	58	60	GP13	31	7	1220	S	57.3395	-149.5608	1920	0	31	7	2020	
GP21202.14	Tucker	58	60	GP13	31	7	1225	E	57.3365	-149.5595	1920	0	31	7	2025	
GP21202.19	Tucker	59	61	GP14	31	7	1518	S	57.1912	-149.4278	>2000	0	31	7	2318	
GP21202.20	Tucker	59	61	GP14	31	7	1523	E	57.1890	-149.4260	>2000	0	31	7	2323	
GP21302.03	Tucker	60	62	CC7	1	8	0647	S	56.2723	-150.8480	>2000	0	1	8	1447	
GP21302.04	Tucker	60	62	CC7	1	8	0652	E	56.2730	-150.8435	>2000	0	1	8	1452	
GP21302.08	Tucker	61	63	CC6	1	8	1012	S	56.4883	-151.0470	>2000	0	1	8	1812	
GP21302.09	Tucker	61	63	CC6	1	8	1017	E	56.4870	-151.0407	>2000	0	1	8	1817	
GP21302.13	Tucker	62	64	CC5	1	8	1330	S	56.7110	-151.2718	914	0	1	8	2130	
GP21302.14	Tucker	62	64	CC5	1	8	1335	E	56.7085	-151.2697	914	0	1	8	2135	
GP21302.18	Tucker	63	65	CC4	1	8	1647	S	56.9282	-151.4933	274	0	2	8	0047	
GP21302.19	Tucker	63	65	CC4	1	8	1652	E	56.9258	-151.4393	274	0	2	8	0052	
GP21302.24	Tucker	64	66	CC3	1	8	1953	S	57.1527	-151.7277	77	0	2	8	0353	
GP21302.25	Tucker	64	66	CC3	1	8	1958	E	57.1512	-151.7322	77	0	2	8	0358	
GP21402.03	Tucker	65	67	CC2	2	8	0711	S	57.3707	-151.9403	68	0	2	8	1511	
GP21402.04	Tucker	65	67	CC2	2	8	0716	E	57.3692	-151.9452	68	0	2	8	1516	
GP21402.09	Tucker	66	68	CC1	2	8	1025	S	57.5642	-152.1235	73	0	2	8	1825	
GP21402.10	Tucker	66	68	CC1	2	8	1030	E	57.5618	-152.1258	73	0	2	8	1830	
GP21502.03	Tucker	67	69	CN3	3	8	0729	S	58.0472	-153.4467	69	0	3	8	1529	
GP21502.04	Tucker	67	69	CN3	3	8	0738	E	58.0475	-153.4510	69	0	3	8	1538	
GP21502.08	Tucker	68	70	CN2	3	8	1028	S	58.1827	-153.6840	190	0	3	8	1828	
GP21502.09	Tucker	68	70	CN2	3	8	1033	E	58.1808	-153.6900	190	0	3	8	1833	
GP21502.14	Tucker	69	71	CN1	3	8	1347	S	58.3653	-153.9320	91	0	3	8	2147	
GP21502.15	Tucker	69	71	CN1	3	8	1352	E	58.3625	-153.9358	91	0	3	8	2152	
GP21602.03	Tucker	70	72	CK1	4	8	0741	S	57.7032	-155.2818	256	0	4	8	1541	
GP21602.04	Tucker	70	72	CK1	4	8	0746	E	57.7055	-155.2785	256	0	4	8	1546	
GP21602.08	Tucker	71	73	CK2	4	8	1031	S	57.5168	-155.0505	238	0	4	8	1831	
GP21602.09	Tucker	71	73	CK2	4	8	1036	E	57.5852	-155.0470	238	0	4	8	1836	
GP21602.14	Tucker	72	74	CK3	4	8	1338	S	57.4317	-154.7657	73	0	4	8	2138	
GP21602.15	Tucker	72	74	CK3	4	8	1343	E	57.4332	-154.7602	73	0	4	8	2143	
GP21702.03	Tucker	73	75	CKAG1	5	8	0555	S	56.6738	-153.9085	55	0	5	8	1355	
GP21702.04	Tucker	73	75	CKAG1	5	8	0600	E	56.6755	-153.9052	55	0	5	8	1400	
GP21702.08	Tucker	74	76	CKAG2	5	8	0844	S	56.4782	-153.7113	91	0	5	8	1644	
GP21702.09	Tucker	74	76	CKAG2	5	8	0849	E	56.4767	-153.7173	91	0	5	8	1649	
GP21702.13	Tucker	75	77	CKAG3	5	8	1148	S	56.2585	-153.4862	82	0	5	8	1948	
GP21702.14	Tucker	75	77	CKAG3	5	8	1152	E	56.2562	-153.4887	82	0	5	8	1952	
GP21702.18	Tucker	76	78	CKAG4	5	8	1433	S	56.1058	-153.3382	914	0	5	8	2233	

Table 6 Tucker Trawls (cont'd)

Event#	Instr	Cast	Sta	Sta Std	Local Day	Local Mos	Local Time	S/E Flag	Lat	Long	Water Depth	Cast Depth	GMT Day	GMT Mos	GMT Time	Comments
GP21702.19	Tucker	76	78	CKAG4	5	8	1438	E	56.1075	-153.3420	914	0	5	8	2238	
GP21702.23	Tucker	77	79	CKAG5	5	8	1742	S	55.8998	-153.1293	>2000	0	6	8	0142	
GP21702.24	Tucker	77	79	CKAG5	5	8	1747	E	55.8987	-153.1343	>2000	0	6	8	0147	
GP21702.29	Tucker	78	80	CKAG6	5	8	2054	S	55.6812	-152.9030	>2000	0	6	8	0454	
GP21702.30	Tucker	78	80	CKAG6	5	8	2059	E	55.6800	-152.9075	>2000	0	6	8	0459	

Table 7 Drifter Buoyss

Event#	Instr	Cast	Sta	Sta Std	Local Day	Local Mos	Local Time	S/E Flag	Lat	Long	Water Depth	Cast Depth	GMT Day	GMT Mos	GMT Time	Comments
GP19802.06	Drifter	1	1	OC1	17	7	0847	S	59.4730	-139.9457	134	0	17	7	1647	No. 36270 Stabeno
GP19802.13	Drifter	2	2	OC2	17	7	1149	S	59.3395	-139.9588	172	0	17	7	1949	No. 36269 Stabeno
GP20102.12	Drifter	3	17	IB2	20	7	1155	S	59.8242	-142.5015	135	0	20	7	1955	No. 36256 Stabeno
GP20102.13	Drifter	4	18	IB1	20	7	1222	S	59.8742	-142.5655	90	0	20	7	2022	No. 36257 Stabeno
GP20602.12	Drifter	5	42	GAK5	25	7	1105	S	59.2857	-148.9403	176	0	25	7	1905	No. 36268 Stabeno
GP20602.18	Drifter	6	44	GAK4	25	7	1358	S	59.4295	-149.1163	207	0	25	7	2158	No. 36267 Stabeno
GP20602.24	Drifter	7	45	GAK3	25	7	1641	S	59.5887	-149.1992	208	0	26	7	0041	No. 36255 Stabeno

Table 8 WP-2 Net Tows

Event#	Instr	Cast	Sta	Sta Std	Local Day	Local Mos	Local Time	S/E Flag	Lat	Long	Water Depth	Cast Depth	GMT Day	GMT Mos	GMT Time	Comments
GP19802.08	WP2	1	2	OC2	17	7	0959	S	59.3733	-139.9303	182	100	17	7	1759	Isotope Analysis/Finney
GP19802.25	WP2	2	5	OC5	17	7	1858	S	58.8915	-140.1030	171	100	18	7	0258	Isotope Analysis/Finney
GP19902.04	WP2	3	6	OC6	18	7	0700	S	58.6748	-140.1930	210	100	18	7	1500	Isotope Analysis/Finney
GP19902.25	WP2	4	10	OC10	18	7	1925	S	58.0257	-140.4123	>2000	100	19	7	0325	Isotope Analysis/Finney
GP20002.01	WP2	5	11	IB9	19	7	0610	S	58.7982	-142.7602	>2000	100	19	7	1410	Isotope Analysis/Finney
GP20002.23	WP2	6	15	IB5	19	7	1822	S	59.4642	-142.5963	358	100	20	7	0222	Isotope Analysis/Finney
GP20102.02	WP2	7	16	IB3	20	7	0707	S	59.7423	-142.5402	198	100	20	7	1507	Isotope Analysis/Finney
GP20102.20	WP2	8	19	IB4	20	7	1835	S	59.5735	-142.5763	329	100	21	7	0235	Isotope Analysis/Finney
GP20202.19	WP2	9	24	CSE1	21	7	1624	S	59.6542	-144.6882	148	100	22	7	0024	Isotope Analysis/Finney
GP20302.07	WP2	10	26	CC2	22	7	1056	S	59.6755	-147.7417	113	100	22	7	1856	Isotope Analysis/Finney
GP20302.25	WP2	11	29	CC5	22	7	1850	S	59.3567	-147.3647	124	100	23	7	0250	Isotope Analysis/Finney
GP20402.06	WP2	12	31	CC7	23	7	0810	S	59.0650	-147.9888	1829	100	23	7	1610	Isotope Analysis/Finney
GP20402.16	WP2	13	34	GAK12	23	7	2050	S	58.2535	-147.9295	1554	100	24	7	0450	Isotope Analysis/Finney
GP20502.02	WP2	14	35	GAK11	24	7	0645	S	58.3902	-148.0762	1646	100	24	7	1445	Isotope Analysis/Finney
GP20502.21	WP2	15	39	GAK7	24	7	1950	S	58.9748	-148.6130	238	100	25	7	0350	Isotope Analysis/Finney
GP20602.02	WP2	16	40	GAK6	25	7	0626	S	59.1187	-148.7552	155	100	25	7	1426	Isotope Analysis/Finney
GP20602.26	WP2	17	46	GAK1	25	7	1908	S	59.8485	-149.4645	267	100	26	7	0308	Isotope Analysis/Finney
GP21002.02	WP2	18	48	GP1	29	7	0610	S	59.1638	-150.9287	62	60	29	7	1410	Isotope Analysis/Finney
GP21002.23	WP2	19	52	GP5	29	7	1914	S	58.5847	-150.4793	183	100	30	7	0314	Isotope Analysis/Finney
GP21102.02	WP2	20	53	GP6	30	7	0633	S	58.4197	-150.3683	69	100	30	7	1433	Isotope Analysis/Finney
GP21102.23	WP2	21	57	GP10	30	7	1717	S	57.8402	-149.9300	256	100	31	7	0117	Isotope Analysis/Finney
GP21202.02	WP2	22	58	GP11	31	7	0647	S	57.6528	-149.8033	585	100	31	7	1447	Isotope Analysis/Finney
GP21202.18	WP2	23	61	GP14	31	7	1513	S	57.1910	-149.4272	>2000	100	31	7	2313	Isotope Analysis/Finney
GP21302.02	WP2	24	62	CC7	1	8	0641	S	56.2733	-150.8485	>2000	100	1	8	1441	Isotope Analysis/Finney
GP21302.23	WP2	25	66	CC3	1	8	1948	S	57.1527	-151.7272	77	75	2	8	0348	Isotope Analysis/Finney
GP21402.02	WP2	26	67	CC2	2	8	0705	S	57.3713	-151.9385	68	65	2	8	1505	Isotope Analysis/Finney
GP21402.07	WP2	27	68	CC1	2	8	1011	S	57.5625	-152.1268	73	70	2	8	1811	Isotope Analysis/Finney
GP21502.02	WP2	28	69	CN3	3	8	0729	S	58.0485	-153.4422	69	65	3	8	1529	Isotope Analysis/Finney
GP21502.13	WP2	29	71	CN1	3	8	1341	S	58.3692	-153.9308	91	90	3	8	2141	Isotope Analysis/Finney
GP21602.02	WP2	30	72	CK1	4	8	0736	S	57.7010	-155.2840	256	100	4	8	1536	Isotope Analysis/Finney
GP21602.13	WP2	31	74	CK3	4	8	1334	S	57.4323	-154.7673	73	70	4	8	2134	Isotope Analysis/Finney
GP21702.02	WP2	32	75	CKAG1	5	8	0551	S	56.6808	-153.8995	55	50	5	8	1351	Isotope Analysis/Finney
GP21702.28	WP2	33	80	CKAG6	5	8	2049	S	55.6817	-152.9015	>2000	100	6	8	0449	Isotope Analysis/Finney

APPENDIX I

GP0207 EVENT LOG

EVENT LOG CONTENTS

Column Label

Event#
 Instrument (Instr)

 Cast
 Station (Sta)
 Station Standard (Sta std)
 Day_Local
 Month (Mos)
 Time
 S/E
 Latitude (Lat)
 Longitude (Long)
 Water Depth
 Cast Depth
 Day_GMT
 Month (Mos)_GMT
 Time_GMT
 Comments

Description

Unique identifier for each line of event log
 CTD: Conductivity, temperature, depth and fluorescence from Seabird SBE 19 Seacat CTD; Niskin bottle for fluorescence & salt calibration;
 Trawl: Midwater rope trawl; 198-m long; hexagonal mesh in wings and body; 1.2-cm mesh liner in codend; ca. 45m wide; 10-m vertical; 30 min tows;
 Tucker: 1-m² trawl with 0.505-mm mesh; towed near surface for 5 minutes; flow-metered volume;
 Drifter: Satellite tracked drifting buoy drogued at 40-m;
 WP-2: Vertical net tow to 100-m; 0.57-m diameter ring; 0.253-mm mesh; samples frozen for C and N isotope analysis.
 Sequence # for a particular instrument

Local time basis
 Local time basis
 Local time
 Start/End Flag
 Decimal degrees; north is positive
 Decimal degrees; east is positive
 Depth of bottom
 Maximum depth of deployment
 GMT time basis
 GMT time basis
 GMT time

Appendix I
Event#

Event#	Instr	Cast	Sta	Sta Std	Local Day	Local Mos	Local Time	S/E Flag	Lat	Long	Water Depth	Cast Depth	GMT Day	GMT Mos	GMT Time	Comments
GPI19802.01	CTD	1	1	OC1	17	7	0635	S	59.4942	-139.8817	72	60	17	7	1435	Water sample
GPI19802.02	Tucker	1	1	OC1	17	7	0656	S	59.4907	-139.8850	78	0	17	7	1456	
GPI19802.03	Tucker	1	1	OC1	17	7	0701	E	59.4890	-139.8890	82	0	17	7	1501	
GPI19802.04	Trawl	1	1	OC1	17	7	0747	S	59.5137	-139.8943	43	0	17	7	0347	
GPI19802.05	Trawl	1	1	OC1	17	7	0817	E	59.4853	-139.9352	108	0	17	7	1617	
GPI19802.06	Drifter	1	1	OC1	17	7	0847	S	59.4730	-139.9457	134	0	17	7	1647	No. 36270 Stabeno
GPI19802.07	CTD	2	2	OC2	17	7	0937	S	59.3790	-139.9278	181	170	17	7	1737	
GPI19802.08	WP2	1	2	OC2	17	7	0959	S	59.3733	-139.9303	182	100	17	7	1759	Isotope Analysis/ Finney
GPI19802.09	Tucker	2	2	OC2	17	7	1010	S	59.3752	-139.9308	182	0	17	7	1810	
GPI19802.10	Tucker	2	2	OC2	17	7	1015	E	59.3773	-139.9292	181	0	17	7	1815	
GPI19802.11	Trawl	2	2	OC2	17	7	1052	S	59.3897	-139.9382	181	0	17	7	1852	
GPI19802.12	Trawl	2	2	OC2	17	7	1122	E	59.3492	-139.9578	172	0	17	7	1922	
GPI19802.13	Drifter	2	2	OC2	17	7	1149	S	59.3395	-139.9588	172	0	17	7	1949	No. 36269 Stabeno
GPI19802.14	CTD	3	3	OC3	17	7	1245	S	59.2193	-139.9860	121	111	17	7	2045	
GPI19802.15	Tucker	3	3	OC3	17	7	1302	S	59.2187	-139.9797	113	0	17	7	2102	
GPI19802.16	Tucker	3	3	OC3	17	7	1307	E	59.2162	-139.9850	115	0	17	7	2107	
GPI19802.17	Trawl	3	3	OC3	17	7	1347	S	59.2248	-139.9860	121	0	17	7	2147	
GPI19802.18	Trawl	3	3	OC3	17	7	1417	E	59.1895	-139.9893	117	0	17	7	2217	
GPI19802.19	CTD	4	4	OC4	17	7	1540	S	59.0473	-140.0497	123	111	17	7	2340	
GPI19802.20	Tucker	4	4	OC4	17	7	1550	S	59.0465	-140.0497	124	0	17	7	2350	
GPI19802.21	Tucker	4	4	OC4	17	7	1555	E	59.0432	-140.0542	126	0	17	7	2355	
GPI19802.22	Trawl	4	4	OC4	17	7	1646	S	59.0558	-140.0540	127	0	18	7	0046	
GPI19802.23	Trawl	4	4	OC4	17	7	1716	E	59.0222	-140.0638	135	0	18	7	0116	
GPI19802.24	CTD	5	5	OC5	17	7	1846	S	58.8908	-140.1052	170	158	18	7	0246	Isotope Analysis/ Finney
GPI19802.25	WP2	2	5	OC5	17	7	1858	S	58.8915	-140.1030	171	100	18	7	0258	
GPI19802.26	Tucker	5	5	OC5	17	7	1911	S	58.8887	-140.1073	170	0	18	7	0311	
GPI19802.27	Tucker	5	5	OC5	17	7	1916	E	58.8862	-140.1095	172	0	18	7	0316	
GPI19802.28	Trawl	5	5	OC5	17	7	2002	S	58.8927	-140.1053	171	0	18	7	0402	
GPI19802.29	Trawl	5	5	OC5	17	7	2032	E	58.8590	-140.1193	176	0	18	7	0432	
GPI19902.01	CTD	6	6	OC6	18	7	0637	S	58.6708	-140.1960	225	206	18	7	1437	
GPI19902.02	Tucker	6	6	OC6	18	7	0648	S	58.6733	-140.1990	217	0	18	7	1448	
GPI19902.03	Tucker	6	6	OC6	18	7	0653	E	58.6738	-140.1917	210	0	18	7	1453	
GPI19902.04	WP2	3	6	OC6	18	7	0700	S	58.6748	-140.1930	210	100	18	7	1500	Isotope Analysis/ Finney
GPI19902.05	Trawl	6	6	OC6	18	7	0830	S	58.6718	-140.2052	213	0	18	7	1630	
GPI19902.06	Trawl	6	6	OC6	18	7	0900	E	58.6365	-140.2237	525	0	18	7	1700	
GPI19902.07	CTD	7	7	OC7	18	7	1025	S	58.5015	-140.2492	900	220	18	7	1825	
GPI19902.08	Tucker	7	7	OC7	18	7	1033	S	58.5022	-140.2472	933	0	18	7	1833	
GPI19902.09	Tucker	7	7	OC7	18	7	1038	E	58.5013	-140.2413	922	0	18	7	1838	
GPI19902.10	Trawl	7	7	OC7	18	7	1111	S	58.5060	-140.2378	978	0	18	7	1911	
GPI19902.11	Trawl	7	7	OC7	18	7	1141	E	58.4717	-140.2568	1033	0	18	7	1941	
GPI19902.12	CTD	8	8	OC8	18	7	1312	S	58.3435	-140.2995	>2000	220	18	7	2112	
GPI19902.13	Tucker	8	8	OC8	18	7	1323	S	58.3453	-140.2940	>2000	0	18	7	2123	
GPI19902.14	Tucker	8	8	OC8	18	7	1328	E	58.3443	-140.2883	>2000	0	18	7	2128	
GPI19902.15	Trawl	8	8	OC8	18	7	1410	S	58.3467	-140.2997	>2000	0	18	7	2210	
GPI19902.16	Trawl	8	8	OC8	18	7	1440	E	58.3087	-140.3167	>2000	0	18	7	2240	

Appendix I (cont'd)

Event#	Instr	Cast	Sta	Sta Std	Local Day	Local Mos	Local Time	S/E Flag	Lat	Long	Water Depth	Cast Depth	GMT Day	GMT Mos	GMT Time	Comments
GP19902.17	CTD	9	9	OC9	18	7	1607	S	58.1757	-140.3600	>2000	220	19	7	0007	
GP19902.18	Tucker	9	9	OC9	18	7	1630	S	58.1750	-140.3470	>2000	0	19	7	0030	
GP19902.19	Tucker	9	9	OC9	18	7	1635	E	58.1738	-140.3422	>2000	0	19	7	0035	
GP19902.20	Trawl	9	9	OC9	18	7	1738	S	58.1903	-140.3587	>2000	0	19	7	0138	
GP19902.21	Trawl	9	9	OC9	18	7	1808	E	58.1573	-140.3738	>2000	0	19	7	0208	
GP19902.22	CTD	10	10	OC10	18	7	1905	S	58.0247	-140.4205	>2000	220	19	7	0305	
GP19902.23	Tucker	10	10	OC10	18	7	1913	S	58.0260	-140.4187	>2000	0	19	7	0313	
GP19902.24	Tucker	10	10	OC10	18	7	1918	E	58.0250	-140.4148	>2000	0	19	7	0318	
GP19902.25	WP2	4	10	OC10	18	7	1925	S	58.0257	-140.4123	>2000	100	19	7	0325	Isotope Analysis/ Finney
GP19902.26	Trawl	10	10	OC10	18	7	1957	S	58.0357	-140.4145	>2000	0	19	7	0357	
GP19902.27	Trawl	10	10	OC10	18	7	2027	E	58.0035	-140.4295	>2000	0	19	7	0427	
GP20002.01	WP2	5	11	IB9	19	7	0610	S	58.7982	-142.7602	>2000	100	19	7	1410	Isotope Analysis/ Finney
GP20002.02	CTD	11	11	IB9	19	7	0627	S	58.7983	-142.7615	>2000	220	19	7	1427	
GP20002.03	Tucker	11	11	IB9	19	7	0637	S	58.7988	-142.7617	>2000	0	19	7	1437	
GP20002.04	Tucker	11	11	IB9	19	7	0642	E	58.7988	-142.7563	>2000	0	19	7	1442	
GP20002.05	Trawl	11	11	IB9	19	7	0712	S	58.7882	-142.7612	>2000	0	19	7	1512	
GP20002.06	Trawl	11	11	IB9	19	7	0742	E	58.8220	-142.7482	>2000	0	19	7	1542	
GP20002.07	CTD	12	12	IB8	19	7	0902	S	58.9643	-142.7257	>2000	220	19	7	1702	
GP20002.08	Tucker	12	12	IB8	19	7	0912	S	58.9657	-142.7260	>2000	0	19	7	1712	
GP20002.09	Tucker	12	12	IB8	19	7	0917	E	58.9677	-142.7198	>2000	0	19	7	1717	
GP20002.10	Trawl	12	12	IB8	19	7	0958	S	58.9525	-142.7257	>2000	0	19	7	1758	
GP20002.11	Trawl	12	12	IB8	19	7	1028	E	58.9865	-142.7163	>2000	0	19	7	1828	
GP20002.12	CTD	13	13	IB7	19	7	1233	S	59.1300	-142.6820	>2000	220	19	7	2033	
GP20002.13	Tucker	13	13	IB7	19	7	1239	S	59.1358	-142.6817	>2000	0	19	7	2039	
GP20002.14	Tucker	13	13	IB7	19	7	1244	E	59.1363	-142.6777	>2000	0	19	7	2044	
GP20002.15	Trawl	13	13	IB7	19	7	1325	S	59.1198	-142.6830	>2000	0	19	7	2125	
GP20002.16	Trawl	13	13	IB7	19	7	1355	E	59.1557	-142.6652	>2000	0	19	7	2155	
GP20002.17	CTD	14	14	IB6	19	7	1526	S	59.3002	-142.6447	1939	220	19	7	2326	
GP20002.18	Tucker	14	14	IB6	19	7	1537	S	59.3018	-142.6442	1939	0	19	7	2337	
GP20002.19	Tucker	14	14	IB6	19	7	1542	E	59.3033	-142.6417	1939	0	19	7	2342	
GP20002.20	Trawl	14	14	IB6	19	7	1614	S	59.2873	-142.6497	1939	0	20	7	0014	
GP20002.21	Trawl	14	14	IB6	19	7	1644	E	59.3228	-142.6542	1829	0	20	7	0044	
GP20002.22	CTD	15	15	IB5	19	7	1808	S	59.4630	-142.5995	819	220	20	7	0208	Isotope Analysis/ Finney
GP20002.23	WP2	6	15	IB5	19	7	1822	S	59.4642	-142.5963	358	100	20	7	0222	
GP20002.24	Tucker	15	15	IB5	19	7	1827	S	59.4645	-142.5965	349	0	20	7	0227	
GP20002.25	Tucker	15	15	IB5	19	7	1832	E	59.4627	-142.5957	364	0	20	7	0232	
GP20002.26	Trawl	15	15	IB5	19	7	1858	S	59.4495	-142.6072	1139	0	20	7	0258	
GP20002.27	Trawl	15	15	IB5	19	7	1928	E	59.4833	-142.6033	850	0	20	7	0328	
GP20102.01	CTD	16	16	IB3	20	7	0655	S	59.7420	-142.6458	192	176	20	7	1455	Isotope Analysis/ Finney
GP20102.02	WP2	7	16	IB3	20	7	0707	S	59.7423	-142.5402	198	100	20	7	1507	
GP20102.03	Tucker	16	16	IB3	20	7	0717	S	59.7430	-142.5428	208	0	20	7	1517	
GP20102.04	Tucker	16	16	IB3	20	7	0722	E	59.7433	-142.5377	194	0	20	7	1522	
GP20102.05	Trawl	16	16	IB3	20	7	0750	S	59.7290	-142.5398	221	0	20	7	1550	
GP20102.06	Trawl	16	16	IB3	20	7	0820	E	59.7635	-142.5422	170	0	20	7	1620	

Event#	Instr	Cast	Sta	Sta Std	Local Day	Local Mos	Local Time	S/E Flag	Lat	Long	Water Depth	Cast Depth	GMT Day	GMT Mos	GMT Time	Comments
GP20102.07	CTD	17	17	IB2	20	7	0946	S	59.9003	-142.4937	123	111	20	7	1746	
GP20102.08	Tucker	17	17	IB2	20	7	0952	S	59.9023	-142.4993	124	0	20	7	1752	
GP20102.09	Tucker	17	17	IB2	20	7	0957	E	59.9018	-142.4962	124	0	20	7	1757	
GP20102.10	Trawl	17	17	IB2	20	7	1027	S	59.8852	-142.4992	82	0	20	7	1827	
GP20102.11	Trawl	17	17	IB2	20	7	1057	E	59.9187	-142.5000	104	0	20	7	1857	
GP20102.12	Drifter	3	17	IB2	20	7	1155	S	59.8242	-142.5015	135	0	20	7	1955	No. 36256 Stabeno
GP20102.13	Drifter	4	18	IB1	20	7	1222	S	59.8742	-142.5655	90	0	20	7	2022	No. 36257 Stabeno
GP20102.14	CTD	18	18	IB1	20	7	1330	S	60.0035	-142.4472	61	53	20	7	2130	
GP20102.15	Tucker	18	18	IB1	20	7	1337	S	60.0037	-142.4508	61	0	20	7	2137	
GP20102.16	Tucker	18	18	IB1	20	7	1342	E	60.0022	-142.4507	60	0	20	7	2142	
GP20102.17	Trawl	18	18	IB1	20	7	1433	S	60.0407	-142.4433	31	0	20	7	2233	
GP20102.18	Trawl	18	18	IB1	20	7	1503	E	60.0008	-142.4892	60	0	20	7	2303	
GP20102.19	CTD	19	19	IB4	20	7	1823	S	59.5710	-142.5727	164	141	21	7	0223	Isotope Analysis/ Finney
GP20102.20	WP2	8	19	IB4	20	7	1835	S	59.5735	-142.5763	329	100	21	7	0235	
GP20102.21	Tucker	19	19	IB4	20	7	1840	S	59.5723	-142.5752	334	0	21	7	0240	
GP20102.22	Tucker	19	19	IB4	20	7	1845	E	59.5728	-142.5712	261	0	21	7	0245	
GP20102.23	Trawl	19	19	IB4	20	7	1920	S	59.5548	-142.5853	139	0	21	7	0320	
GP20102.24	Trawl	19	19	IB4	20	7	1950	E	59.5885	-142.5830	466	0	21	7	0350	
GP20202.01	CTD	20	20	CSE5	21	7	0517	S	59.1512	-144.5993	>2000	220	21	7	1317	
GP20202.02	Tucker	20	20	CSE5	21	7	0532	S	59.1517	-144.6055	>2000	0	21	7	1332	
GP20202.03	Tucker	20	20	CSE5	21	7	0537	E	59.1508	-144.6010	>2000	0	21	7	1337	
GP20202.04	Trawl	20	20	CSE5	21	7	0615	S	59.1375	-144.6107	>2000	0	21	7	1415	
GP20202.05	Trawl	20	20	CSE5	21	7	0645	E	59.1693	-144.6258	>2000	0	21	7	1445	
GP20202.06	CTD	21	21	CSE4	21	7	0905	S	59.3203	-144.6085	>2000	220	21	7	1705	
GP20202.07	Trawl	21	21	CSE4	21	7	0940	S	59.3047	-144.6113	>2000	0	21	7	1740	
GP20202.08	Trawl	21	21	CSE4	21	7	1010	E	59.3430	-144.6263	>2000	0	21	7	1810	
GP20202.09	CTD	22	22	CSE3	21	7	1148	S	59.4833	-144.6063	856	220	21	7	1948	
GP20202.10	Tucker	21	22	CSE3	21	7	1155	S	59.4840	-144.6087	852	0	21	7	1955	
GP20202.11	Tucker	21	22	CSE3	21	7	1200	E	59.4840	-144.6057	805	0	21	7	2000	
GP20202.12	Trawl	22	22	CSE3	21	7	1232	S	59.4683	-144.6142	953	0	21	7	2032	
GP20202.13	Trawl	22	22	CSE3	21	7	1302	E	59.5018	-144.6297	536	0	21	7	2102	
GP20202.14	CTD	23	23	CSE2	21	7	1443	S	59.6313	-144.6120	144	150	21	7	2243	
GP20202.15	Tucker	22	23	CSE2	21	7	1450	S	59.6315	-144.6130	144	0	21	7	2250	
GP20202.16	Tucker	22	23	CSE2	21	7	1455	E	59.6310	-144.6107	145	0	21	7	2255	
GP20202.17	Trawl	23	23	CSE2	21	7	1529	S	59.6187	-144.6385	143	0	21	7	2329	
GP20202.18	Trawl	23	23	CSE2	21	7	1559	E	59.6527	-144.6618	146	0	21	7	2359	Isotope Analysis/ Finney
GP20202.19	WP2	9	24	CSE1	21	7	1624	S	59.6542	-144.6882	148	100	22	7	0024	
GP20202.20	CTD	24	24	CSE1	21	7	1732	S	59.7847	-144.6882	46	35	22	7	0132	
GP20202.21	Trawl	24	24	CSE1	21	7	1812	S	59.7963	-144.6460	33	0	22	7	0212	
GP20202.22	Trawl	24	24	CSE1	21	7	1842	E	59.7897	-144.7158	53	0	22	7	0242	
GP20302.01	CTD	25	25	CC1	22	7	0508	S	59.7370	-147.8308	61	51	22	7	1308	
GP20302.02	Tucker	23	25	CC1	22	7	0520	S	59.7343	-147.8417	61	0	22	7	1320	
GP20302.03	Tucker	23	25	CC1	22	7	0525	E	59.7325	-147.8423	63	0	22	7	1325	
GP20302.04	Trawl	25	25	CC1	22	7	0917	S	59.7430	-147.8235	53	0	22	7	1717	
GP20302.05	Trawl	25	25	CC1	22	7	0947	E	59.7098	-147.7963	77	0	22	7	1747	
GP20302.06	CTD	26	26	CC2	22	7	1043	S	59.6732	-147.7338	110	100	22	7	1843	

Event#	Instr	Cast	Sta	Sta Std	Local Day	Local Mos	Local Time	S/E Flag	Lat	Long	Water Depth	Cast Depth	GMT Day	GMT Mos	GMT Time	Comments
GP20302.07	WP2	10	26	CC2	22	7	1056	S	59.6755	-147.7417	113	100	22	7	1856	Isotope Analysis/ Finney
GP20302.08	Tucker	24	26	CC2	22	7	1103	S	59.6762	-147.7397	113	0	22	7	1903	
GP20302.09	Tucker	24	26	CC2	22	7	1108	E	59.6762	-147.7358	113	0	22	7	1908	
GP20302.10	Trawl	26	26	CC2	22	7	1135	S	59.6865	-147.7392	112	0	22	7	1935	
GP20302.11	Trawl	26	26	CC2	22	7	1205	E	59.6643	-147.6982	115	0	22	7	2005	
GP20302.12	CTD	27	27	CC3	22	7	1322	S	59.5692	-147.6063	108	105	22	7	2122	
GP20302.13	Tucker	25	27	CC3	22	7	1330	S	59.5685	-147.5918	108	0	22	7	2130	
GP20302.14	Tucker	25	27	CC3	22	7	1335	E	59.5683	-147.5872	109	0	22	7	2135	
GP20302.15	Trawl	27	27	CC3	22	7	1412	S	59.5763	-147.6040	111	0	22	7	2212	
GP20302.16	Trawl	27	27	CC3	22	7	1442	E	59.5458	-147.5617	101	0	22	7	2242	
GP20302.17	CTD	28	28	CC4	22	7	1546	S	59.4718	-147.4800	116	103	22	7	2346	
GP20302.18	Tucker	26	28	CC4	22	7	1554	S	59.4677	-147.4810	113	0	22	7	2354	
GP20302.19	Tucker	26	28	CC4	22	7	1559	E	59.4642	-147.4790	114	0	22	7	2359	
GP20302.20	Trawl	28	28	CC4	22	7	1650	S	59.4747	-147.4910	113	0	23	7	0050	
GP20302.21	Trawl	28	28	CC4	22	7	1720	E	59.4428	-147.4522	113	0	23	7	0120	
GP20302.22	Tucker	27	29	CC5	22	7	1748	S	59.3572	-147.3660	124	0	23	7	0148	
GP20302.23	Tucker	27	29	CC5	22	7	1753	E	59.3582	-147.3652	124	0	23	7	0153	
GP20302.24	CTD	29	29	CC5	22	7	1832	S	59.3567	-147.3510	137	125	23	7	0232	Isotope Analysis/ Finney
GP20302.25	WP2	11	29	CC5	22	7	1850	S	59.3567	-147.3647	124	100	23	7	0250	
GP20402.26	Trawl	29	29	CC5	22	7	1930	S	59.3682	-147.3832	119	0	23	7	0330	
GP20402.27	Trawl	29	29	CC5	22	7	2000	E	59.3398	-147.3582	141	0	23	7	0400	
GP20402.28	CTD	30	30	CC6	22	7	2150	S	59.2333	-147.1683	198	184	23	7	0550	
GP20402.29	Trawl	30	30	CC6	22	7	2230	S	59.2390	-147.1938	192	0	23	7	0630	
GP20402.30	Trawl	30	30	CC6	22	7	2300	E	59.2077	-147.1725	393	0	23	7	0700	
GP20402.01	CTD	31	31	CC7	23	7	0623	S	59.0633	-146.9863	1829	220	23	7	1423	
GP20402.02	Tucker	28	31	CC7	23	7	0632	S	59.0650	-146.9892	1829	0	23	7	1432	
GP20402.03	Tucker	28	31	CC7	23	7	0637	E	59.0648	-146.9852	1829	0	23	7	1437	
GP20402.04	Trawl	31	31	CC7	23	7	0713	S	59.0722	-146.9943	1582	0	23	7	1513	
GP20402.05	Trawl	31	31	CC7	23	7	0743	E	59.0468	-146.9577	1829	0	23	7	1543	
GP20402.06	WP2	12	31	CC7	23	7	0810	S	59.0650	-147.9888	1829	100	23	7	1610	Isotope Analysis/ Finney
GP20402.07	CTD	32	32	CC8	23	7	0943	S	58.8840	-146.7400	1829	250	23	7	1743	
GP20402.08	Trawl	32	32	CC8	23	7	1020	S	58.8932	-146.7560	>2000	0	23	7	1820	
GP20402.09	Trawl	32	32	CC8	23	7	1050	E	58.8650	-146.7307	>2000	0	23	7	1850	
GP20402.10	CTD	33	33	GAK13	23	7	1747	S	58.0985	-147.8052	>2000	220	24	7	0147	
GP20402.11	Tucker	29	33	GAK13	23	7	1757	S	58.1003	-147.8088	>2000	0	24	7	0157	
GP20402.12	Tucker	29	33	GAK13	23	7	1803	E	58.1002	-147.8055	>2000	0	24	7	0203	
GP20402.13	Trawl	33	33	GAK13	23	7	1842	S	58.0895	-147.8010	>2000	0	24	7	0242	
GP20402.14	Trawl	33	33	GAK13	23	7	1912	E	58.1220	-147.8368	>2000	0	24	7	0312	
GP20402.15	CTD	34	34	GAK12	23	7	2032	S	58.2493	-147.9318	1554	220	24	7	0432	
GP20402.16	WP2	13	34	GAK12	23	7	2050	S	58.2535	-147.9295	1554	100	24	7	0450	Isotope Analysis/ Finney
GP20402.17	Tucker	30	34	GAK12	23	7	2055	S	58.2552	-147.9272	1554	0	24	7	0455	
GP20402.18	Tucker	30	34	GAK12	23	7	2100	E	58.2558	-147.9223	1554	0	24	7	0500	
GP20402.19	Trawl	34	34	GAK12	23	7	2137	S	58.2333	-147.9147	1682	0	24	7	0537	
GP20402.20	Trawl	34	34	GAK12	23	7	2207	E	58.2642	-147.9283	1646	0	24	7	0607	

Event#	Instr	Cast	Sta	Sta Std	Local Day	Local Mos	Local Time	S/E Flag	Lat	Long	Water Depth	Cast Depth	GMT Day	GMT Mos	GMT Time	Comments
GP20502.01	CTD	35	35	GAK11	24	7	0629	S	58.3868	-148.0715	1646	220	24	7	1429	Isotope Analysis/ Finney
GP20502.02	WP2	14	35	GAK11	24	7	0645	S	58.3902	-148.0762	1646	100	24	7	1445	
GP20502.03	Trawl	35	35	GAK11	24	7	0726	S	58.3798	-148.0507	1326	0	24	7	1526	Isotope Analysis/ Finney
GP20502.04	Trawl	35	35	GAK11	24	7	0756	E	58.4145	-148.0825	1350	0	24	7	1556	
GP20502.05	CTD	36	36	GAK10	24	7	0935	S	58.5403	-148.2060	1397	260	24	7	1735	Isotope Analysis/ Finney
GP20502.06	Tucker	31	36	GAK10	24	7	0946	S	58.5370	-148.1992	1397	0	24	7	1746	
GP20502.07	Tucker	31	36	GAK10	24	7	0951	E	58.5353	-148.2005	1397	0	24	7	1751	Isotope Analysis/ Finney
GP20502.08	Trawl	36	36	GAK10	24	7	1020	S	58.5252	-148.1988	911	0	24	7	1820	
GP20502.09	Trawl	36	36	GAK10	24	7	1050	E	58.5475	-148.2257	920	0	24	7	1850	Isotope Analysis/ Finney
GP20502.10	CTD	37	37	GAK9	24	7	1220	S	58.6798	-148.3490	276	250	24	7	2020	
GP20502.11	Tucker	32	37	GAK9	24	7	1241	S	58.6828	-148.3453	276	0	24	7	2041	Isotope Analysis/ Finney
GP20502.12	Tucker	32	37	GAK9	24	7	1246	E	58.6813	-148.3495	278	0	24	7	2046	
GP20502.13	Trawl	37	37	GAK9	24	7	1316	S	58.6707	-148.3455	274	0	24	7	2116	Isotope Analysis/ Finney
GP20502.14	Trawl	37	37	GAK9	24	7	1346	E	58.6970	-148.3762	282	0	24	7	2146	
GP20502.15	CTD	38	38	GAK8	24	7	1517	S	58.8000	-148.4953	289	250	24	7	2317	Isotope Analysis/ Finney
GP20502.16	Tucker	33	38	GAK8	24	7	1532	S	58.8003	-148.4920	289	0	24	7	2332	
GP20502.17	Tucker	33	38	GAK8	24	7	1537	E	58.7983	-148.4950	291	0	24	7	2337	Isotope Analysis/ Finney
GP20502.18	Trawl	38	38	GAK8	24	7	1620	S	58.7907	-148.4693	285	0	25	7	0020	
GP20502.19	Trawl	38	38	GAK8	24	7	1650	E	58.8230	-148.5003	291	0	25	7	0050	Isotope Analysis/ Finney
GP20502.20	CTD	39	39	GAK7	24	7	1930	S	58.9727	-148.6278	240	222	25	7	0330	
GP20502.21	WP2	15	39	GAK7	24	7	1950	S	58.9748	-148.6130	238	100	25	7	0350	Isotope Analysis/ Finney
GP20502.22	Tucker	34	39	GAK7	24	7	1955	S	58.9748	-148.6147	238	0	25	7	0355	
GP20502.23	Tucker	34	39	GAK7	24	7	2000	E	58.9720	-148.6127	240	0	25	7	0400	Isotope Analysis/ Finney
GP20502.24	Trawl	39	39	GAK7	24	7	2035	S	58.9548	-148.6230	249	0	25	7	0435	
GP20502.25	Trawl	39	39	GAK7	24	7	2105	E	58.9948	-148.6450	239	0	25	7	0505	Isotope Analysis/ Finney
GP20602.01	CTD	40	40	GAK6	25	7	0617	S	59.1188	-148.8452	155	145	25	7	1417	
GP20602.02	WP2	16	40	GAK6	25	7	0626	S	59.1187	-148.7552	155	100	25	7	1426	Isotope Analysis/ Finney
GP20602.03	Tucker	35	40	GAK6	25	7	0632	S	59.1173	-148.7530	155	0	25	7	1432	
GP20602.04	Tucker	35	40	GAK6	25	7	0637	E	59.1143	-148.7535	155	0	25	7	1437	Isotope Analysis/ Finney
GP20602.05	Trawl	40	40	GAK6	25	7	0707	S	59.1103	-148.7548	148	0	25	7	1507	
GP20602.06	Trawl	40	40	GAK6	25	7	0737	E	59.1400	-148.7780	139	0	25	7	1537	Isotope Analysis/ Finney
GP20602.07	CTD	41	41	GAK5	25	7	0927	S	59.2628	-148.9100	165	152	25	7	1727	
GP20602.08	Tucker	36	41	GAK5	25	7	0936	S	59.2598	-148.9100	165	0	25	7	1736	Isotope Analysis/ Finney
GP20602.09	Tucker	36	41	GAK5	25	7	0941	E	59.2577	-148.9115	163	0	25	7	1741	
GP20602.10	Trawl	41	41	GAK5	25	7	1013	S	59.2528	-148.9047	161	0	25	7	1813	Isotope Analysis/ Finney
GP20602.11	Trawl	41	41	GAK5	25	7	1043	E	59.2812	-148.9390	176	0	25	7	1843	
GP20602.12	Drifter	5	42	GAK5	25	7	1105	S	59.2857	-148.9403	176	0	25	7	1905	No. 36268 Stabeno
GP20602.13	CTD	42	43	GAK4	25	7	1214	S	59.4045	-149.0565	198	184	25	7	2014	
GP20602.14	Tucker	37	43	GAK4	25	7	1222	S	59.4057	-149.0585	199	0	25	7	2022	Isotope Analysis/ Finney
GP20602.15	Tucker	37	43	GAK4	25	7	1227	E	59.4035	-149.0630	200	0	25	7	2027	
GP20602.16	Trawl	42	43	GAK4	25	7	1307	S	59.3897	-149.0530	201	0	25	7	2107	Isotope Analysis/ Finney
GP20602.17	Trawl	42	43	GAK4	25	7	1337	E	59.4170	-149.1098	205	0	25	7	2137	
GP20602.18	Drifter	6	44	GAK4	25	7	1358	S	59.4295	-149.1163	207	0	25	7	2158	No. 36267 Stabeno
GP20602.19	CTD	43	45	GAK3	25	7	1458	S	59.5542	-149.2055	218	202	25	7	2258	
GP20602.20	Tucker	38	45	GAK3	25	7	1508	S	59.5553	-149.2088	217	0	25	7	2308	

Event#	Instr	Cast	Sta	Sta Std	Local Day	Local Mos	Local Time	S/E Flag	Lat	Long	Water Depth	Cast Depth	GMT Day	GMT Mos	GMT Time	Comments
GP20602.21	Tucker	38	45	GAK3	25	7	1513	E	59.5533	-149.2120	218	0	25	7	2313	
GP20602.22	Trawl	43	45	GAK3	25	7	1545	S	59.5515	-149.1770	211	0	25	7	2345	
GP20602.23	Trawl	43	45	GAK3	25	7	1615	E	59.5667	-149.2000	210	0	26	7	0015	
GP20602.24	Drifter	7	45	GAK3	25	7	1641	S	59.5887	-149.1992	208	0	26	7	0041	No. 36255 Siabeno
GP20602.25	CTD	44	46	GAK1	25	7	1852	S	59.8467	-149.4658	268	220	26	7	0252	Isotope Analysis/ Finney
GP20602.26	WP2	17	46	GAK1	25	7	1908	S	59.8485	-149.4645	267	100	26	7	0308	
GP20602.27	Tucker	39	46	GAK1	25	7	1913	S	59.8480	-149.4620	267	0	26	7	0313	
GP20602.28	Tucker	39	46	GAK1	25	7	1918	E	59.8467	-149.4587	267	0	26	7	0318	
GP20602.29	Trawl	44	46	GAK1	25	7	1955	S	59.8583	-149.4645	263	0	26	7	0355	
GP20602.30	Trawl	44	46	GAK1	25	7	2025	E	59.8338	-149.4342	271	0	26	7	0425	
GP20702.01	CTD	45	47	GAK2	26	7	0220	S	59.6907	-149.3353	227	213	26	7	1020	
GP20702.02	Tucker	40	47	GAK2	26	7	0230	S	59.6933	-149.3430	234	0	26	7	1030	
GP20702.03	Tucker	40	47	GAK2	26	7	0235	E	59.6955	-149.3467	238	0	26	7	1035	
GP20702.04	Trawl	45	47	GAK2	26	7	0305	S	59.7003	-149.3610	243	0	26	7	1105	
GP20702.05	Trawl	45	47	GAK2	26	7	0335	E	59.6685	-149.3408	227	0	26	7	1135	
GP20702.06	CTD	46	47	GAK2	26	7	0638	S	59.6942	-149.3250	223	213	26	7	1438	
GP20702.07	Tucker	41	47	GAK2	26	7	0650	S	59.6948	-149.3225	221	0	26	7	1450	
GP20702.08	Tucker	41	47	GAK2	26	7	0655	E	59.6938	-149.3323	221	0	26	7	1455	
GP20702.09	Trawl	46	47	GAK2	26	7	0733	S	59.7067	-149.3252	223	0	26	7	1533	
GP20702.10	Trawl	46	47	GAK2	26	7	0803	E	59.6847	-149.2845	210	0	26	7	1603	
GP20702.11	CTD	47	47	GAK2	26	7	1014	S	59.6912	-149.3150	223	209	26	7	1814	
GP20702.12	Tucker	42	47	GAK2	26	7	1025	S	59.6925	-149.3362	229	0	26	7	1825	
GP20702.13	Tucker	42	47	GAK2	26	7	1030	E	59.6943	-149.3393	230	0	26	7	1830	
GP20702.14	Trawl	47	47	GAK2	26	7	1105	S	59.6990	-149.3300	225	0	26	7	1905	
GP20702.15	Trawl	47	47	GAK2	26	7	1135	E	59.6675	-149.3007	216	0	26	7	1905	
GP20702.16	CTD	48	47	GAK2	26	7	1409	S	59.6930	-149.3308	227	209	26	7	2209	
GP20702.17	Tucker	43	47	GAK2	26	7	1418	S	59.6938	-149.3323	229	0	26	7	2218	
GP20702.18	Tucker	43	47	GAK2	26	7	1424	E	59.6907	-149.3312	227	0	26	7	2224	
GP20702.19	Trawl	48	47	GAK2	26	7	1500	S	59.6860	-149.3272	225	0	26	7	2300	
GP20702.20	Trawl	48	47	GAK2	26	7	1530	E	59.7162	-149.3475	236	0	26	7	2330	
GP20702.21	CTD	49	47	GAK2	26	7	1818	S	59.6947	-149.3275	227	209	27	7	0218	
GP20702.22	Tucker	44	47	GAK2	26	7	1827	S	59.6962	-149.3260	227	0	27	7	0227	
GP20702.23	Tucker	44	47	GAK2	26	7	1832	E	59.6935	-149.3250	227	0	27	7	0232	
GP20702.24	Trawl	49	47	GAK2	26	7	1903	S	59.7012	-149.3378	230	0	27	7	0303	
GP20702.25	Trawl	49	47	GAK2	26	7	1933	E	59.6737	-149.5300	218	0	27	7	0333	
GP20702.26	CTD	50	47	GAK2	26	7	2217	S	59.6910	-149.3405	227	209	27	7	0617	
GP20702.27	Tucker	45	47	GAK2	26	7	2225	S	59.6910	-149.3452	227	0	27	7	0625	
GP20702.28	Tucker	45	47	GAK2	26	7	2230	E	59.6890	-149.3505	227	0	27	7	0630	
GP20702.29	Trawl	50	47	GAK2	26	7	2308	S	59.6822	-149.3220	221	0	27	7	0708	
GP20702.30	Trawl	50	47	GAK2	26	7	2338	E	59.7112	-149.3522	236	0	27	7	0738	
GP21002.01	CTD	51	48	GPI	29	7	0600	S	59.1652	-150.9308	62	55	29	7	1400	Isotope Analysis/ Finney
GP21002.02	WP2	18	48	GPI	29	7	0610	S	59.1638	-150.9287	62	60	29	7	1410	
GP21002.03	Tucker	46	48	GPI	29	7	0617	S	59.1622	-150.9292	62	0	29	7	1417	
GP21002.04	Tucker	46	48	GPI	29	7	0622	E	59.1490	-150.9387	62	0	29	7	1422	
GP21002.05	Trawl	51	48	GPI	29	7	0700	S	59.1815	-150.9362	62	0	29	7	1500	
GP21002.06	Trawl	51	48	GPI	29	7	0730	E	59.1297	-150.9038	84	0	29	7	1530	

Appendix I (cont'd)

Event#	Instr	Cast	Sta	Sta Std	Local Day	Local Mos	Local Time	S/E Flag	Lat	Long	Water Depth	Cast Depth	GMT Day	GMT Mos	GMT Time	Comments
GP21002.07	CTD	52	49	GP2	29	7	0930	S	59.0335	-150.8455	165	144	29	7	1730	
GP21002.08	Tucker	47	49	GP2	29	7	0939	S	59.0312	-150.8598	165	0	29	7	1739	
GP21002.09	Tucker	47	49	GP2	29	7	0944	E	59.0295	-150.8348	165	0	29	7	1744	
GP21002.10	Trawl	52	49	GP2	29	7	1024	S	59.0408	-150.8567	166	0	29	7	1824	
GP21002.11	Trawl	52	49	GP2	29	7	1054	E	59.0097	-150.8255	159	0	29	7	1854	
GP21002.12	CTD	53	50	GP3	29	7	1255	S	58.8797	-150.7398	135	115	29	7	2055	
GP21002.13	Tucker	48	50	GP3	29	7	1301	S	58.8782	-150.7440	135	0	29	7	2101	
GP21002.14	Tucker	48	50	GP3	29	7	1306	E	58.8778	-150.7528	135	0	29	7	2106	
GP21002.15	Trawl	53	50	GP3	29	7	1352	S	58.8888	-150.7508	135	0	29	7	2152	
GP21002.16	Trawl	53	50	GP3	29	7	1422	E	58.8615	-150.7388	134	0	29	7	2222	
GP21002.17	CTD	54	51	GP4	29	7	1601	S	58.7333	-150.6345	192	170	30	7	0001	
GP21002.18	Tucker	49	51	GP4	29	7	1613	S	58.7330	-150.6473	192	0	30	7	0013	
GP21002.19	Tucker	49	51	GP4	29	7	1618	E	58.7348	-150.6557	192	0	30	7	0018	
GP21002.20	Trawl	54	51	GP4	29	7	1648	S	58.7450	-150.6453	190	0	30	7	0048	
GP21002.21	Trawl	54	51	GP4	29	7	1718	E	58.7182	-150.6222	201	0	30	7	0118	
GP21002.22	CTD	55	52	GP5	29	7	1901	S	58.5843	-150.4852	183	170	30	7	0301	Isotope Analysis/ Finney
GP21002.23	WP2	19	52	GP5	29	7	1914	S	58.5847	-150.4793	183	100	30	7	0314	Isotope Analysis/ Finney
GP21002.24	Tucker	50	52	GP5	29	7	1919	S	58.5857	-150.4788	183	0	30	7	0319	
GP21002.25	Tucker	50	52	GP5	29	7	1924	E	58.5880	-150.4802	183	0	30	7	0324	
GP21002.26	Trawl	55	52	GP5	29	7	1952	S	58.5963	-150.4937	185	0	30	7	0352	
GP21002.27	Trawl	55	52	GP5	29	7	2022	E	58.5730	-150.4443	181	0	30	7	0422	
GP21002.01	CTD	56	53	GP6	30	7	0625	S	58.4187	-150.3692	69	58	30	7	1425	Isotope Analysis/ Finney
GP21002.02	WP2	20	53	GP6	30	7	0633	S	58.4197	-150.3683	69	100	30	7	1433	Isotope Analysis/ Finney
GP21102.03	Tucker	51	53	GP6	30	7	0637	S	58.4192	-150.3670	69	0	30	7	1437	
GP21102.04	Tucker	51	53	GP6	30	7	0642	E	58.4187	-150.3713	69	0	30	7	1442	
GP21102.05	Trawl	56	53	GP6	30	7	0709	S	58.4268	-150.3845	69	0	30	7	1509	
GP21102.06	Trawl	56	53	GP6	30	7	0739	E	58.4033	-150.3347	69	0	30	7	1539	
GP21102.07	CTD	57	54	GP7	30	7	0858	S	58.2665	-150.2647	59	50	30	7	1658	
GP21102.08	Tucker	52	54	GP7	30	7	0905	S	58.2640	-150.2642	59	0	30	7	1705	
GP21102.09	Tucker	52	54	GP7	30	7	0910	E	58.2628	-150.2693	59	0	30	7	1710	
GP21102.10	Trawl	57	54	GP7	30	7	0940	S	58.2748	-150.2747	57	0	30	7	1740	
GP21102.11	Trawl	57	54	GP7	30	7	1010	E	58.2527	-150.2270	62	0	30	7	1810	
GP21102.12	CTD	58	55	GP8	30	7	1145	S	58.1172	-150.1362	256	220	30	7	1945	
GP21102.13	Tucker	53	55	GP8	30	7	1152	S	58.1183	-150.1325	256	0	30	7	1952	
GP21102.14	Tucker	53	55	GP8	30	7	1157	E	58.1215	-150.1327	256	0	30	7	1957	
GP21102.15	Trawl	58	55	GP8	30	7	1232	S	58.1220	-150.1665	249	0	30	7	2032	
GP21102.16	Trawl	58	55	GP8	30	7	1302	E	58.0977	-150.1002	296	0	30	7	2102	
GP21102.17	CTD	59	56	GP9	30	7	1422	S	57.9667	-150.0415	251	220	30	7	2222	
GP21102.18	Tucker	54	56	GP9	30	7	1438	S	57.9667	-150.0460	251	0	30	7	2238	
GP21102.19	Tucker	54	56	GP9	30	7	1443	E	57.9693	-150.0478	251	0	30	7	2243	
GP21102.20	Trawl	59	56	GP9	30	7	1511	S	57.9735	-150.0577	249	0	30	7	2311	
GP21102.21	Trawl	59	56	GP9	30	7	1541	E	57.9538	-150.0187	256	0	30	7	2341	
GP21102.22	CTD	60	57	GP10	30	7	1703	S	57.8368	-149.9303	256	220	31	7	0103	Isotope Analysis/ Finney
GP21102.23	WP2	21	57	GP10	30	7	1717	S	57.8402	-149.9300	256	100	31	7	0117	Isotope Analysis/ Finney
GP21102.24	Tucker	55	57	GP10	30	7	1723	S	57.8403	-149.9298	256	0	31	7	0123	

Event#	Instr	Cast	Sta	Sta Std	Local Day	Local Mos	Local Time	S/E Flag	Lat	Long	Water Depth	Cast Depth	GMT Day	GMT Mos	GMT Time	Comments
GP21102.25	Tucker	55	57	GP10	30	7	1728	E	57.8397	-149.9342	256	0	31	7	0128	
GP21102.26	Trawl	60	57	GP10	30	7	1758	S	57.8457	-149.9338	258	0	31	7	0158	
GP21102.27	Trawl	60	57	GP10	30	7	1828	E	57.8173	-149.9100	252	0	31	7	0228	
GP21202.01	CTD	61	58	GP11	31	7	0631	S	57.6505	-149.8060	585	220	31	7	1431	Isotope Analysis/ Finney
GP21202.02	WP2	22	58	GP11	31	7	0647	S	57.6528	-149.8033	585	100	31	7	1447	
GP21202.03	Tucker	56	58	GP11	31	7	0653	S	57.6525	-149.8027	585	0	31	7	1453	
GP21202.04	Tucker	56	58	GP11	31	7	0657	E	57.6527	-149.8043	585	0	31	7	1457	
GP21202.05	Trawl	61	58	GP11	31	7	0732	S	57.6583	-149.8170	532	0	31	7	1532	
GP21202.06	Trawl	61	58	GP11	31	7	0802	E	57.6367	-149.7672	775	0	31	7	1602	
GP21202.07	CTD	62	59	GP12	31	7	0926	S	57.4910	-149.6858	914	220	31	7	1726	
GP21202.08	Tucker	57	59	GP12	31	7	0934	S	57.4913	-149.6878	914	0	31	7	1734	
GP21202.09	Tucker	57	59	GP12	31	7	0939	E	57.4857	-149.6897	914	0	31	7	1739	
GP21202.10	Trawl	62	59	GP12	31	7	1010	S	57.4982	-149.7087	914	0	31	7	1810	
GP21202.11	Trawl	62	59	GP12	31	7	1040	E	57.4767	-149.6578	914	0	31	7	1840	
GP21202.12	CTD	63	60	GP13	31	7	1209	S	57.3395	-149.5627	1920	220	31	7	2009	
GP21202.13	Tucker	58	60	GP13	31	7	1220	S	57.3395	-149.5608	1920	0	31	7	2020	
GP21202.14	Tucker	58	60	GP13	31	7	1225	E	57.3365	-149.5595	1920	0	31	7	2025	
GP21202.15	Trawl	63	60	GP13	31	7	1254	S	57.3433	-149.5873	1920	0	31	7	2054	
GP21202.16	Trawl	63	60	GP13	31	7	1324	E	57.3237	-149.5335	1920	0	31	7	2124	
GP21202.17	CTD	64	61	GP14	31	7	1453	S	57.1908	-149.4270	>2000	220	31	7	2253	Isotope Analysis/ Finney
GP21202.18	WP2	23	61	GP14	31	7	1513	S	57.1910	-149.4272	>2000	100	31	7	2313	
GP21202.19	Tucker	59	61	GP14	31	7	1518	S	57.1912	-149.4278	>2000	0	31	7	2318	
GP21202.20	Tucker	59	61	GP14	31	7	1523	E	57.1890	-149.4260	>2000	0	31	7	2323	
GP21202.21	Trawl	64	61	GP14	31	7	1556	S	57.1910	-149.4575	>2000	0	31	7	2356	
GP21202.22	Trawl	64	61	GP14	31	7	1626	E	57.1787	-149.4068	>2000	0	1	8	0026	
GP21302.01	CTD	65	62	CC7	1	8	0623	S	56.2762	-150.8502	>2000	220	1	8	1423	Isotope Analysis/ Finney
GP21302.02	WP2	24	62	CC7	1	8	0641	S	56.2733	-150.8485	>2000	100	1	8	1441	
GP21302.03	Tucker	60	62	CC7	1	8	0647	S	56.2723	-150.8480	>2000	0	1	8	1447	
GP21302.04	Tucker	60	62	CC7	1	8	0652	E	56.2730	-150.8435	>2000	0	1	8	1452	
GP21302.05	Trawl	65	62	CC7	1	8	0722	S	56.2645	-150.8377	>2000	0	1	8	1522	
GP21302.06	Trawl	65	62	CC7	1	8	0753	E	56.2903	-150.8662	>2000	0	1	8	1553	
GP21302.07	CTD	66	63	CC6	1	8	1004	S	56.4897	-151.0505	>2000	220	1	8	1804	
GP21302.08	Tucker	61	63	CC6	1	8	1012	S	56.4883	-151.0470	>2000	0	1	8	1812	
GP21302.09	Tucker	61	63	CC6	1	8	1017	E	56.4870	-151.0407	>2000	0	1	8	1817	
GP21302.10	Trawl	66	63	CC6	1	8	1044	S	56.4770	-151.0457	>2000	0	1	8	1844	
GP21302.11	Trawl	66	63	CC6	1	8	1114	E	56.5028	-151.0670	>2000	0	1	8	1914	
GP21302.12	CTD	67	64	CC5	1	8	1320	S	56.7108	-151.2770	914	220	1	8	2120	
GP21302.13	Tucker	62	64	CC5	1	8	1330	S	56.7110	-151.2718	914	0	1	8	2130	
GP21302.14	Tucker	62	64	CC5	1	8	1335	E	56.7085	-151.2697	914	0	1	8	2135	
GP21302.15	Trawl	67	64	CC5	1	8	1407	S	56.6993	-151.2738	1143	0	1	8	2207	
GP21302.16	Trawl	67	64	CC5	1	8	1437	E	56.7322	-151.2845	896	0	1	8	2237	
GP21302.17	Trawl	68	65	CC4	1	8	1638	S	56.9292	-151.4968	274	220	2	8	0038	
GP21302.18	Tucker	63	65	CC4	1	8	1647	S	56.9282	-151.4933	274	0	2	8	0047	
GP21302.19	Tucker	63	65	CC4	1	8	1652	E	56.9258	-151.4393	274	0	2	8	0052	
GP21302.20	Trawl	68	65	CC4	1	8	1722	S	56.9225	-151.4862	499	0	2	8	0122	

Appendix I (cont'd)

Event#	Instr	Cast	Sta	Sta Std	Local Day	Local Mos	Local Time	S/E Flag	Lat	Long	Water Depth	Cast Depth	GMT Day	GMT Mos	GMT Time	Comments
GP21302.21	Trawl	68	65	CC4	1	8	1752	E	56.9502	-151.5165	229	0	2	8	0152	
GP21302.22	CTD	69	66	CC3	1	8	1939	S	57.1508	-151.7287	77	67	2	8	0339	Isotope Analysis/ Finney
GP21302.23	WP2	25	66	CC3	1	8	1948	S	57.1527	-151.7272	77	75	2	8	0348	
GP21302.24	Tucker	64	66	CC3	1	8	1953	S	57.1527	-151.7277	77	0	2	8	0353	
GP21302.25	Tucker	64	66	CC3	1	8	1958	E	57.1512	-151.7322	77	0	2	8	0358	
GP21302.26	Trawl	69	66	CC3	1	8	2026	S	57.1413	-151.7203	77	0	2	8	0426	
GP21302.27	Trawl	69	66	CC3	1	8	2056	E	57.1717	-151.7487	77	0	2	8	0456	
GP21402.01	CTD	70	67	CC2	2	8	0656	S	57.3698	-151.9400	68	57	2	8	1456	Isotope Analysis/ Finney
GP21402.02	WP2	26	67	CC2	2	8	0705	S	57.3713	-151.9385	68	65	2	8	1505	
GP21402.03	Tucker	65	67	CC2	2	8	0711	S	57.3707	-151.9403	68	0	2	8	1511	
GP21402.04	Tucker	65	67	CC2	2	8	0716	E	57.3692	-151.9452	68	0	2	8	1516	
GP21402.05	Trawl	70	67	CC2	2	8	0746	S	57.3657	-151.9618	69	0	2	8	1546	
GP21402.06	Trawl	70	67	CC2	2	8	0816	E	57.3850	-151.9113	67	0	2	8	1616	
GP21402.07	WP2	27	68	CC1	2	8	1011	S	57.5625	-152.1268	73	70	2	8	1811	Isotope Analysis/ Finney
GP21402.08	CTD	71	68	CC1	2	8	1019	S	57.5647	-152.1240	73	53	2	8	1819	
GP21402.09	Tucker	66	68	CC1	2	8	1025	S	57.5642	-152.1235	73	0	2	8	1825	
GP21402.10	Tucker	66	68	CC1	2	8	1030	E	57.5618	-152.1258	73	0	2	8	1830	
GP21402.11	Trawl	71	68	CC1	2	8	1101	S	57.5555	-152.1263	66	0	2	8	1901	
GP21402.12	Trawl	71	68	CC1	2	8	1131	E	57.5813	-152.1085	77	0	2	8	1931	
GP21502.01	CTD	72	69	CN3	3	8	0717	S	58.0438	-153.4473	69	53	3	8	1517	Isotope Analysis/ Finney
GP21502.02	WP2	28	69	CN3	3	8	0729	S	58.0485	-153.4422	69	65	3	8	1529	
GP21502.03	Tucker	67	69	CN3	3	8	0729	S	58.0472	-153.4467	69	0	3	8	1529	
GP21502.04	Tucker	67	69	CN3	3	8	0738	E	58.0475	-153.4510	69	0	3	8	1538	
GP21502.05	Trawl	72	69	CN3	3	8	0806	S	58.0395	-153.4373	69	0	3	8	1606	
GP21502.06	Trawl	72	69	CN3	3	8	0836	E	58.0667	-153.4722	68	0	3	8	1636	
GP21502.07	CTD	73	70	CN2	3	8	1015	S	58.1837	-153.6795	190	180	3	8	1815	
GP21502.08	Tucker	68	70	CN2	3	8	1028	S	58.1827	-153.6840	190	0	3	8	1828	
GP21502.09	Tucker	68	70	CN2	3	8	1033	E	58.1808	-153.6900	190	0	3	8	1833	
GP21502.10	Trawl	73	70	CN2	3	8	1112	S	58.1747	-153.6800	192	0	3	8	1912	
GP21502.11	Trawl	73	70	CN2	3	8	1142	E	58.2042	-153.7085	190	0	3	8	1942	
GP21502.12	CTD	74	71	CN1	3	8	1334	S	58.3678	-153.9312	91	55	3	8	2134	Isotope Analysis/ Finney
GP21502.13	WP2	29	71	CN1	3	8	1341	S	58.3692	-153.9308	91	90	3	8	2141	
GP21502.14	Tucker	69	71	CN1	3	8	1347	S	58.3653	-153.9320	91	0	3	8	2147	
GP21502.15	Tucker	69	71	CN1	3	8	1352	E	58.3625	-153.9358	91	0	3	8	2152	
GP21502.16	Trawl	74	71	CN1	3	8	1422	S	58.3600	-153.9487	31	0	3	8	2222	
GP21502.17	Trawl	74	71	CN1	3	8	1452	E	58.3785	-153.8997	141	0	3	8	2252	
GP21602.01	CTD	75	72	CK1	4	8	0719	S	57.7003	-155.2843	256	220	4	8	1519	Isotope Analysis/ Finney
GP21602.02	WP2	30	72	CK1	4	8	0736	S	57.7010	-155.2840	256	100	4	8	1536	
GP21602.03	Tucker	70	72	CK1	4	8	0741	S	57.7032	-155.2818	256	0	4	8	1541	
GP21602.04	Tucker	70	72	CK1	4	8	0746	E	57.7055	-155.2785	256	0	4	8	1546	
GP21602.05	Trawl	75	72	CK1	4	8	0813	S	57.7093	-155.2753	230	0	4	8	1613	

Appendix I (cont'd)

Event#	Instr	Cast	Sta	Sta Std	Local Day	Local Mos	Local Time	S/E Flag	Lat	Long	Water Depth	Cast Depth	GMT Day	GMT Mos	GMT Time	Comments
GP21602.06	Trawl	75	72	CK1	4	8	0843	E	57.6767	-155.2908	302	0	4	8	1643	
GP21602.07	CTD	76	73	CK2	4	8	1020	S	57.5825	-155.0502	238	220	4	8	1820	
GP21602.08	Tucker	71	73	CK2	4	8	1031	S	57.5168	-155.0505	238	0	4	8	1831	
GP21602.09	Tucker	71	73	CK2	4	8	1036	E	57.5852	-155.0470	238	0	4	8	1836	
GP21602.10	Trawl	76	73	CK2	4	8	1107	S	57.5873	-155.0595	240	0	4	8	1907	
GP21602.11	Trawl	76	73	CK2	4	8	1137	E	57.5662	-155.0155	232	0	4	8	1937	
GP21602.12	CTD	77	74	CK3	4	8	1324	S	57.4332	-154.7667	73	69	4	8	2124	
GP21602.13	WP2	31	74	CK3	4	8	1334	S	57.4323	-154.7673	73	70	4	8	2134	Isotope Analysis/ Finney
GP21602.14	Tucker	72	74	CK3	4	8	1338	S	57.4317	-154.7657	73	0	4	8	2138	
GP21602.15	Tucker	72	74	CK3	4	8	1343	E	57.4332	-154.7602	73	0	4	8	2143	
GP21602.16	Trawl	77	74	CK3	4	8	1407	S	57.4397	-154.7515	64	0	4	8	2207	
GP21602.17	Trawl	77	74	CK3	4	8	1437	E	57.4187	-154.7975	102	0	4	8	2237	
GP21702.01	CTD	78	75	CKAG1	5	8	0544	S	56.6753	-153.9000	55	40	5	8	1344	
GP21702.02	WP2	32	75	CKAG1	5	8	0551	S	56.6808	-153.8995	55	50	5	8	1351	Isotope Analysis/ Finney
GP21702.03	Tucker	73	75	CKAG1	5	8	0555	S	56.6738	-153.9085	55	0	5	8	1355	
GP21702.04	Tucker	73	75	CKAG1	5	8	0600	E	56.6755	-153.9052	55	0	5	8	1400	
GP21702.05	Trawl	78	75	CKAG1	5	8	0632	S	56.6827	-153.9058	37	0	5	8	1432	
GP21702.06	Trawl	78	75	CKAG1	5	8	0702	E	56.6615	-153.8630	84	0	5	8	1502	
GP21702.07	CTD	79	76	CKAG2	5	8	0838	S	56.4803	-153.7085	91	82	5	8	1638	
GP21702.08	Tucker	74	76	CKAG2	5	8	0844	S	56.4782	-153.7113	91	0	5	8	1644	
GP21702.09	Tucker	74	76	CKAG2	5	8	0849	E	56.4767	-153.7173	91	0	5	8	1649	
GP21702.10	Trawl	79	76	CKAG2	5	8	0920	S	56.4777	-153.7337	86	0	5	8	1720	
GP21702.11	Trawl	79	76	CKAG2	5	8	0950	E	56.4652	-153.6680	106	0	5	8	1750	
GP21702.12	CTD	80	77	CKAG3	5	8	1142	S	56.2597	-153.4872	82	73	5	8	1942	
GP21702.13	Tucker	75	77	CKAG3	5	8	1148	S	56.2585	-153.4862	82	0	5	8	1948	
GP21702.14	Tucker	75	77	CKAG3	5	8	1152	E	56.2562	-153.4887	82	0	5	8	1952	
GP21702.15	Trawl	80	77	CKAG3	5	8	1221	S	56.2718	-153.5037	80	0	5	8	2021	
GP21702.16	Trawl	80	77	CKAG3	5	8	1251	E	56.2465	-153.4708	88	0	5	8	2051	
GP21702.17	CTD	81	78	CKAG4	5	8	1423	S	56.1070	-153.3380	914	220	5	8	2223	
GP21702.18	Tucker	76	78	CKAG4	5	8	1433	S	56.1058	-153.3382	914	0	5	8	2233	
GP21702.19	Tucker	76	78	CKAG4	5	8	1438	E	56.1075	-153.3420	914	0	5	8	2238	
GP21702.20	Trawl	81	78	CKAG4	5	8	1509	S	56.1203	-153.3512	958	0	5	8	2309	
GP21702.21	Trawl	81	78	CKAG4	5	8	1539	E	56.0977	-153.3145	958	0	5	8	2339	
GP21702.22	CTD	82	79	CKAG5	5	8	1733	S	55.9002	-153.1282	>2000	220	6	8	0133	
GP21702.23	Tucker	77	79	CKAG5	5	8	1742	S	55.8998	-153.1293	>2000	0	6	8	0142	
GP21702.24	Tucker	77	79	CKAG5	5	8	1747	E	55.8987	-153.1343	>2000	0	6	8	0147	
GP21702.25	Trawl	82	79	CKAG5	5	8	1818	S	55.9060	-153.1368	>2000	0	6	8	0218	
GP21702.26	Trawl	82	79	CKAG5	5	8	1848	E	55.8793	-153.1105	>2000	0	6	8	0248	
GP21702.27	CTD	83	80	CKAG6	5	8	2038	S	55.6808	-152.9045	>2000	220	6	8	0438	
GP21702.28	WP2	33	80	CKAG6	5	8	2049	S	55.6817	-152.9015	>2000	100	6	8	0449	Isotope Analysis/ Finney
GP21702.29	Tucker	78	80	CKAG6	5	8	2054	S	55.6812	-152.9030	>2000	0	6	8	0454	
GP21702.30	Tucker	78	80	CKAG6	5	8	2059	E	55.6800	-152.9075	>2000	0	6	8	0459	
GP21702.31	Trawl	83	80	CKAG6	5	8	2118	S	55.6888	-152.9213	>2000	0	6	8	0518	
GP21702.32	Trawl	83	80	CKAG6	5	8	2148	E	55.6643	-152.8877	>2000	0	6	8	0548	