

CRUISE REPORT

Cruise Number: MF97-07
FOCI Number: FOCI 8MF97
Ship: Miller Freeman

Area of Operations: Gulf of Alaska
Itinerary:
Depart: Kodiak, 23 May 1997
Arrive: Kodiak, 31 May 1997

Participating Organizations:
Alaska Fisheries Science Center (AFSC)

Chief Scientist:
Mike Canino AFSC

Personnel:

<u>Name</u>	<u>Affiliation</u>
Lisa Britt	AFSC
Annette Brown	AFSC
Jay Clark	AFSC
Kathy Mier	AFSC
Sue Picquelle	AFSC
Dianna Matthias	NOAA Teacher at Sea

Objectives of Cruise:

The objectives of the cruise were to determine the abundance and distribution of walleye pollock larvae in the Gulf of Alaska that were spawned in Shelikof Strait.

Summary of Operations: A total of 109 stations were occupied during the cruise (Figure 1). A tow with 60 cm bongo nets (505 μ m mesh) was made from the surface to 100 m or to within 10 m of bottom at each station. Surface chlorophyll samples were taken at each station where a quantitative plankton tow was made.

Operations:

ADCP Lines	0
ADCP backtrack "L"	0
CTD casts	0
Plankton tows	109
Bongos, 60 cm	109
Bongos, 20 cm	0

Fishing trawls	0	
Tucker trawls	0	
MOCNESS tows	0	
Live tows	0	
Methot trawls	0	
Mooring deployment	0	
Mooring recoveries	0	
Satellite tracked buoy deployment		3
Loran-C drifters deployed	0	
Loran-C drifters recovered	0	

Samples Collected:

Chlorophyll samples	109 (number soft - will have to verify later)
Nutrient samples	0
Microzooplankton samples	0
Plankton samples	100
Predator samples	0
Stomach samples	0
Pollock samples	93
Pollock larvae samples	101 stations - 2547 individuals for otoliths - 44 individuals for genetics
Pollock egg samples	0

Summary of Cruise: Five stations at the northern end of Shelikof Strait were occupied at the beginning of the cruise and four stations along the southern edge of Kodiak Island were sampled at the end of the cruise for larvae that may have originated from populations spawning outside of Shelikof Strait. The remainder of the stations consisted of quantitative bongo tows between Kodiak and the Shumagin Is. to determine the distribution and relative abundance of larvae.

The cruise went well. No days were lost to weather or mechanical problems. All routine operations went smoothly and without delay.

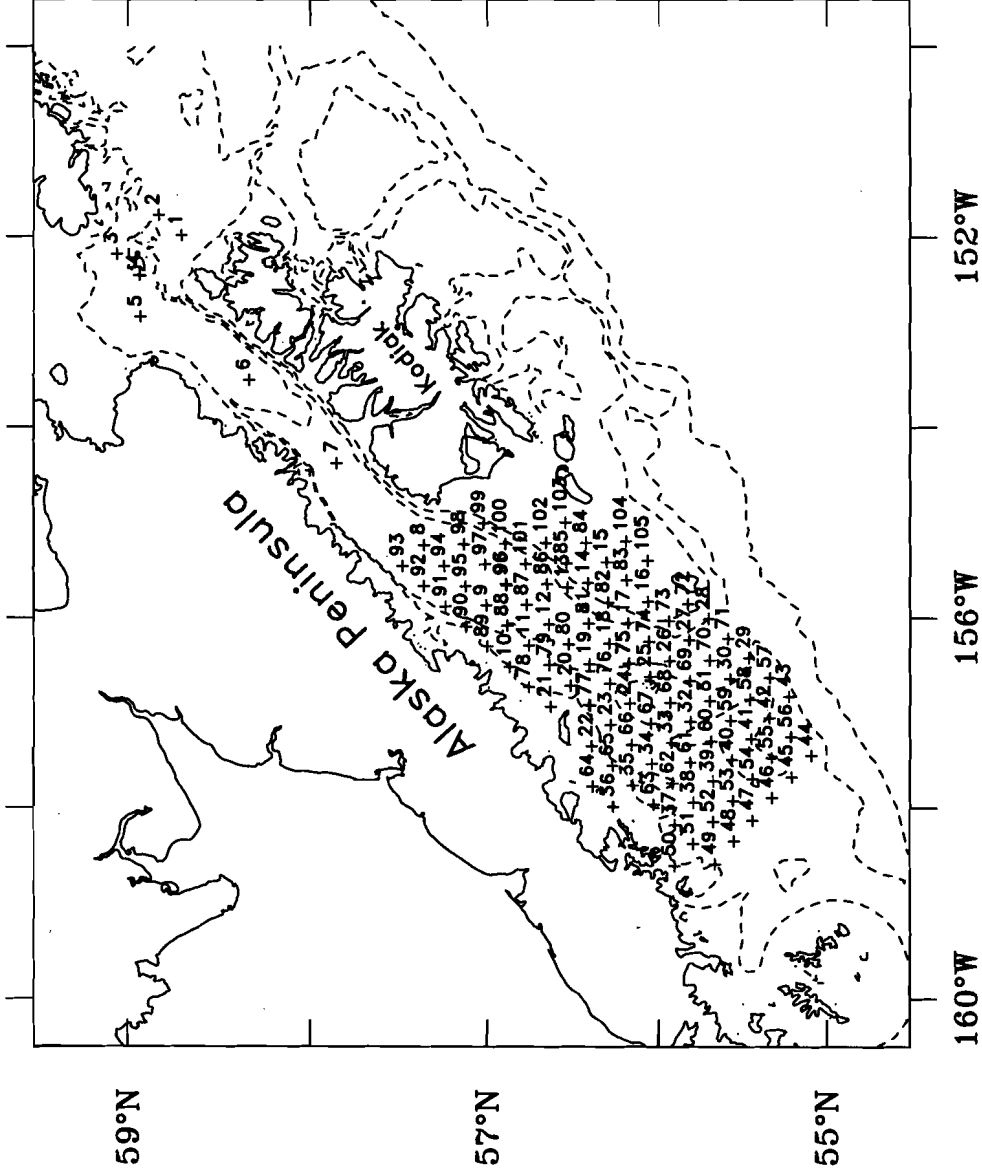
Attachments:

Specifics of operations:

Figure 1. Station locations for MF9707

Table xxx (should be changed to Table 1). Summary of cruise activities.

Figure 2. Preliminary distribution and abundance (individuals 10 m⁻²) of pollock larvae in the survey area. (this plot can be created from the DSDB output if someone wants to)



8MF97 Stations

Table xxx MF97-07 CRUISE SUMMARY
FOCI CRUISE 8MF97

23-31 MAY

Date (GMT)	Time (GMT)	Station	Haul	FOCI Grid No.	Alternate Station No.	Depth (m)	Latitude N	Longitude W	Gear	Samples Collected	Haul Comments
25-May	15:32	19	1	GZ159		222	56° 24.31'	156° 29.00'	CAT	CAT	
25-May	16:43	20	1	GX159		165	56° 31.07'	156° 42.46'	60Bon	L-Oto,Q TowF, RCountL	
25-May	16:43	20	1	GX159		165	56° 31.07'	156° 42.46'	CAT	CAT	
25-May	17:50	21	1	GV159		102	56° 38.07'	156° 55.78'	60Bon	L-Oto,Q TowF, RCountL	
25-May	17:50	21	1	GV159		102	56° 38.07'	156° 55.78'	CAT	CAT	
25-May	20:17	22	1	GV155		60	56° 23.58'	157° 20.81'	60Bon	L-Oto,Q TowF, RCountL	
25-May	20:17	22	1	GV155		60	56° 23.58'	157° 20.81'	CAT	CAT	
25-May	21:24	23	1	GX155		123	56° 16.97'	157° 07.18'	60Bon	L-Oto,Q TowF, RCountL	
25-May	21:24	23	1	GX155		123	56° 16.97'	157° 07.18'	CAT	CAT	
25-May	22:38	24	1	GZ155		79	56° 10.15'	156° 53.79'	60Bon	L-Oto,Q TowF, RCountL	
25-May	22:38	24	1	GZ155		79	56° 10.15'	156° 53.79'	CAT	CAT	
26-May	0:05	25	1	HB155		149	56° 03.14'	156° 37.02'	60Bon	L-Oto,Q TowF, RCountL	
26-May	0:05	25	1	HB155		149	56° 03.14'	156° 37.02'	CAT	CAT	
26-May	2:49	26	1	HD155		214	55° 56.10'	156° 27.25'	60Bon	L-Oto,Q TowF, RCountL	
26-May	2:49	26	1	HD155		214	55° 56.10'	156° 27.25'	CAT	CAT	
26-May	4:00	27	1	HF155		232	55° 49.22'	156° 13.99'	60Bon	L-Oto,Q TowF, RCountL	
26-May	4:00	27	1	HF155		232	55° 49.22'	156° 13.99'	CAT	CAT	
26-May	5:08	28	1	HH155		220	55° 42.29'	156° 00.70'	60Bon	L-Oto,Q TowF, RCountL	
26-May	5:08	28	1	HH155		220	55° 42.29'	156° 00.70'	CAT	CAT	
26-May	7:13	29	1	HH151		205	55° 27.91'	156° 25.30'	60Bon	L-Oto,Q TowF, RCountL	
26-May	7:13	29	1	HH151		205	55° 27.91'	156° 25.30'	CAT	CAT	
26-May	8:22	30	1	HF151		224	55° 34.65'	156° 38.46'	60Bon	L-Oto,Q TowF, RCountL	
26-May	8:22	30	1	HF151		224	55° 34.65'	156° 38.46'	CAT	CAT	
26-May	9:31	31	1	HD151		99	55° 41.80'	156° 52.19'	60Bon	L-Oto,Q TowF, RCountL	
26-May	9:31	31	1	HD151		99	55° 41.80'	156° 52.19'	CAT	CAT	
26-May	10:34	32	1	HB151		100	55° 48.67'	157° 05.43'	60Bon	L-Oto,Q TowF, RCountL	
26-May	10:34	32	1	HB151		100	55° 48.67'	157° 05.43'	CAT	CAT	
26-May	11:36	33	1	GZ151		112	55° 55.55'	157° 18.66'	60Bon	L-Oto,Q TowF, RCountL	
26-May	11:36	33	1	GZ151		112	55° 55.55'	157° 18.66'	CAT	CAT	
26-May	12:40	34	1	GX151		111	56° 02.44'	157° 32.11'	60Bon	L-Oto,Q TowF, RCountL	
26-May	12:40	34	1	GX151		111	56° 02.44'	157° 32.11'	CAT	CAT	
26-May	13:47	35	1	GV151		143	56° 09.21'	157° 45.70'	60Bon	L-Oto,Q TowF, RCountL	
26-May	13:47	35	1	GV151		143	56° 09.21'	157° 45.70'	CAT	CAT	
26-May	14:53	36	1	GT151		160	56° 16.06'	157° 58.99'	60Bon	L-Oto,Q TowF, RCountL	
26-May	14:53	36	1	GT151		160	56° 16.06'	157° 58.99'	CAT	CAT	
26-May	17:07	37	1	GV147		193	55° 54.39'	158° 10.62'	60Bon	L-Oto,Q TowF, RCountL	
26-May	17:07	37	1	GV147		193	55° 54.39'	158° 10.62'	CAT	CAT	

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23-31 MAY

Date (GMT)	Time (GMT)	Station	Haul	FOCI	Alternate Station No.	Depth (m)	Latitude N	Longitude W	Gear	Samples Collected	Haul Comments
26-May	18:21	38	1	GX147		124	55° 47.72'	157° 56.72'	60Bon	L-Oto,QTowF,RCountL	
26-May	18:21	38	1	GX147		124	55° 47.72'	157° 56.72'	CAT	CAT	
26-May	19:35	39	1	GZ147		140	55° 40.76'	157° 43.14'	60Bon	QTowF,RCountL	
26-May	19:35	39	1	GZ147		140	55° 40.76'	157° 43.14'	CAT	CAT	
26-May	20:52	40	1	HB147		102	55° 33.97'	157° 29.65'	60Bon	QTowF,RCountL	
26-May	20:52	40	1	HB147		102	55° 33.97'	157° 29.65'	CAT	CAT	
26-May	22:10	41	1	HD147		92	55° 27.10'	157° 16.28'	60Bon	L-Oto,QTowF,RCountL	
26-May	22:10	41	1	HD147		92	55° 27.10'	157° 16.28'	CAT	CAT	
26-May	23:32	42	1	HF147		100	55° 20.60'	157° 02.90'	60Bon	L-Oto,QTowF,RCountL	
26-May	23:32	42	1	HF147		100	55° 20.60'	157° 02.90'	CAT	CAT	
27-May	1:01	43	1	HH147		116	55° 13.54'	156° 49.43'	60Bon	L-Oto,QTowF,RCountL	
27-May	1:01	43	1	HH147		116	55° 13.54'	156° 49.43'	CAT	CAT	
27-May	3:16	44	1	HF143		90	55° 05.63'	157° 26.79'	60Bon	L-Oto,QTowF,RCountL	
27-May	3:16	44	1	HF143		90	55° 05.63'	157° 26.79'	CAT	CAT	
27-May	4:25	45	1	HD143		88	55° 12.69'	157° 40.42'	60Bon	L-Oto,QTowF,RCountL	
27-May	4:25	45	1	HD143		88	55° 12.69'	157° 40.42'	CAT	CAT	
27-May	5:34	46	1	HB143		89	55° 19.57'	157° 53.74'	60Bon	L-Oto,QTowF,RCountL	
27-May	5:34	46	1	HB143		89	55° 19.57'	157° 53.74'	CAT	CAT	
27-May	6:56	47	1	GZ143		130	55° 26.70'	158° 07.86'	60Bon	QTowF,RCountL	
27-May	6:56	47	1	GZ143		130	55° 26.70'	158° 07.86'	CAT	CAT	
27-May	7:53	48	1	GX143		147	55° 33.23'	158° 21.11'	60Bon	L-Oto,QTowF,RCountL	
27-May	7:53	48	1	GX143		147	55° 33.23'	158° 21.11'	CAT	CAT	
27-May	9:01	49	1	GV143		112	55° 40.07'	158° 35.24'	60Bon	L-Oto,QTowF,RCountL	
27-May	9:01	49	1	GV143		112	55° 40.07'	158° 35.24'	CAT	CAT	
27-May	10:33	50	1	GT145		113	55° 54.29'	158° 36.19'	60Bon	L-Oto,QTowF,RCountL	
27-May	10:33	50	1	GT145		113	55° 54.29'	158° 36.19'	CAT	CAT	
27-May	11:53	51	1	GV145		122	55° 47.83'	158° 22.33'	60Bon	L-Oto,QTowF,RCountL	
27-May	11:53	51	1	GV145		122	55° 47.83'	158° 22.33'	CAT	CAT	
27-May	13:19	52	1	GX145		132	55° 40.71'	158° 08.73'	60Bon	L-Oto,QTowF,RCountL	
27-May	13:19	52	1	GX145		132	55° 40.71'	158° 08.73'	CAT	CAT	
27-May	14:38	53	1	GZ145		137	55° 33.74'	157° 55.42'	60Bon	QTowF,RCountL	
27-May	14:38	53	1	GZ145		137	55° 33.74'	157° 55.42'	CAT	CAT	
27-May	15:53	54	1	HB145		97	55° 26.62'	157° 41.74'	60Bon	QTowF,RCountL	
27-May	15:53	54	1	HB145		97	55° 26.62'	157° 41.74'	CAT	CAT	
27-May	17:03	55	1	HD145		92	55° 19.78'	157° 28.29'	60Bon	L-Oto,QTowF,RCountL	
27-May	17:03	55	1	HD145		92	55° 19.78'	157° 28.29'	CAT	CAT	
27-May	18:15	56	1	HF145		106	55° 12.92'	157° 14.85'	60Bon	L-Oto,QTowF,RCountL	

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Date (GMT)	Time (GMT)	FOCI Station	Haul	Grid No.	FOCI	Alternate Station No.	Depth (m)	Latitude N	Longitude W	Gear	Samples Collected	Haul Comments
27-May	18:15	56	1	HF145			106	55° 12.92'	157° 14.85'	CAT	CAT	
27-May	20:50	57	1	HH149			113	55° 20.48'	156° 37.50'	60Bon	L-Oto,QTowF,RCountL	
27-May	20:50	57	1	HH149			113	55° 20.48'	156° 37.50'	CAT	CAT	
27-May	21:57	58	1	HF149			97	55° 27.57'	156° 51.17'	60Bon	L-Oto,QTowF,RCountL	
27-May	21:57	58	1	HF149			97	55° 27.57'	156° 51.17'	CAT	CAT	
27-May	23:00	59	1	HD149			89	55° 34.42'	157° 04.46'	60Bon	L-Oto,QTowF,RCountL	
27-May	23:00	59	1	HD149			89	55° 34.42'	157° 04.46'	CAT	CAT	
28-May	0:10	60	1	HB149			98	55° 41.44'	157° 17.74'	60Bon	L-Oto,QTowF,RCountL	
28-May	0:10	60	1	HB149			98	55° 41.44'	157° 17.74'	CAT	CAT	
28-May	1:15	61	1	GZ149			110	55° 48.81'	157° 31.25'	60Bon	L-Oto,QTowF,RCountL	
28-May	1:15	61	1	GZ149			110	55° 48.81'	157° 31.25'	CAT	CAT	
28-May	2:15	62	1	GX149			86	55° 55.09'	157° 44.43'	60Bon	L-Oto,QTowF,RCountL	
28-May	2:15	62	1	GX149			86	55° 55.09'	157° 44.43'	CAT	CAT	
28-May	3:18	63	1	GV149			144	56° 01.92'	157° 57.78'	60Bon	L-Oto,QTowF,RCountL	
28-May	3:18	63	1	GV149			144	56° 01.92'	157° 57.78'	CAT	CAT	
28-May	5:39	64	1	GT153			299	56° 23.28'	157° 46.57'	60Bon	L-Oto,QTowF,RCountL	
28-May	5:39	64	1	GT153			299	56° 23.28'	157° 46.57'	CAT	CAT	
28-May	6:48	65	1	GV153			144	56° 16.35'	157° 33.27'	60Bon	L-Oto,QTowF,RCountL	
28-May	6:48	65	1	GV153			144	56° 16.35'	157° 33.27'	CAT	CAT	
28-May	8:01	66	1	GX153			159	56° 09.59'	157° 19.95'	60Bon	L-Oto,QTowF,RCountL	
28-May	8:01	66	1	GX153			159	56° 09.59'	157° 19.95'	CAT	CAT	
28-May	9:14	67	1	GZ153			117	56° 02.71'	157° 06.53'	60Bon	L-Oto,QTowF,RCountL	
28-May	9:14	67	1	GZ153			117	56° 02.71'	157° 06.53'	CAT	CAT	
28-May	10:29	68	1	HB153			152	55° 55.94'	156° 53.23'	60Bon	L-Oto,QTowF,RCountL	
28-May	10:29	68	1	HB153			152	55° 55.94'	156° 53.23'	CAT	CAT	
28-May	11:43	69	1	HD153			230	55° 48.86'	156° 39.51'	60Bon	L-Oto,QTowF,RCountL	
28-May	11:43	69	1	HD153			230	55° 48.86'	156° 39.51'	CAT	CAT	
28-May	12:56	70	1	HF153			245	55° 41.94'	156° 26.63'	60Bon	L-Oto,QTowF,RCountL	
28-May	12:56	70	1	HF153			245	55° 41.94'	156° 26.63'	CAT	CAT	
28-May	14:16	71	1	HH153			258	55° 35.32'	156° 12.97'	60Bon	L-Oto,QTowF,RCountL	
28-May	14:16	71	1	HH153			258	55° 35.32'	156° 12.97'	CAT	CAT	
28-May	16:31	72	1	HH157			78	55° 49.58'	155° 51.17'	60Bon	L-Oto,QTowF,RCountL	
28-May	16:31	72	1	HH157			78	55° 49.58'	155° 51.17'	CAT	CAT	
28-May	17:34	73	1	HF157			99	55° 56.43'	156° 01.85'	60Bon	L-Oto,QTowF,RCountL	
28-May	17:34	73	1	HF157			99	55° 56.43'	156° 01.85'	CAT	CAT	
28-May	18:47	74	1	HD157			218	56° 03.37'	156° 14.83'	60Bon	L-Oto,QTowF,RCountL	
28-May	18:47	74	1	HD157			218	56° 03.37'	156° 14.83'	CAT	CAT	

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23-31 MAY

Date (GMT)	Time (GMT)	Station	Haul	FOCI Grid No.	Alternate Station No.	Depth (m)	Latitude N	Longitude W	Gear	Samples Collected	Haul Comments
28-May	19:58	75	1	HB157		233	56° 10.53'	156° 28.52'	60Bon	L-Oto,QTowF,RCountL	
28-May	19:58	75	1	HB157		233	56° 10.53'	156° 28.52'	CAT		
28-May	20:15	75	2	HB157		234	56° 10.72'	156° 28.94'	SatBuoy	Deploy	Launch drifter #29056 @ hb157
28-May	21:11	76	1	GZ157		111	56° 17.17'	156° 41.45'	60Bon	L-Oto,QTowF,RCountL	
28-May	21:11	76	1	GZ157		111	56° 17.17'	156° 41.45'	CAT		
28-May	22:16	77	1	GX157		124	56° 24.12'	156° 54.93'	60Bon	L-Oto,QTowF,RCountL	
28-May	22:16	77	1	GX157		124	56° 24.12'	156° 54.93'	CAT		
28-May	22:30	77	2	GX157		125	56° 24.63'	156° 54.76'	SatBuoy	Deploy	launch drifter #29059
29-May	0:42	78	1	GV161		149	56° 45.51'	156° 43.47'	60Bon	L-Oto,QTowF,RCountL	
29-May	0:42	78	1	GV161		149	56° 45.51'	156° 43.47'	CAT		
29-May	2:02	79	1	GX161		197	56° 38.50'	156° 29.71'	60Bon	L-Oto,QTowF,RCountL	
29-May	2:02	79	1	GX161		197	56° 38.50'	156° 29.71'	CAT		
29-May	3:13	80	1	GZ161		234	56° 31.65'	156° 16.63'	60Bon	L-Oto,QTowF,RCountL	
29-May	3:13	80	1	GZ161		234	56° 31.65'	156° 16.63'	CAT		
29-May	4:24	81	1	HB161		251	56° 24.73'	156° 03.42'	60Bon	L-Oto,QTowF,RCountL	
29-May	4:24	81	1	HB161		251	56° 24.73'	156° 03.42'	CAT		
29-May	5:35	82	1	HD161		108	56° 17.86'	155° 50.28'	60Bon	L-Oto,QTowF,RCountL	
29-May	5:35	82	1	HD161		108	56° 17.86'	155° 50.28'	CAT		
29-May	6:54	83	1	HF161		64	56° 11.30'	155° 36.10'	60Bon	L-Oto,QTowF,RCountL	
29-May	6:54	83	1	HF161		64	56° 11.30'	155° 36.10'	CAT		
29-May	9:03	84	1	HF165		42	56° 25.58'	155° 12.60'	60Bon	QTowF,RCountL	
29-May	9:03	84	1	HF165		42	56° 25.58'	155° 12.60'	CAT		
29-May	10:03	85	1	HD165		70	56° 32.44'	155° 25.51'	60Bon	L-Oto,QTowF,RCountL	
29-May	10:03	85	1	HD165		70	56° 32.44'	155° 25.51'	CAT		
29-May	11:07	86	1	HB165		224	56° 39.26'	155° 38.55'	60Bon	L-Oto,QTowF,RCountL	
29-May	11:07	86	1	HB165		224	56° 39.26'	155° 38.55'	CAT		
29-May	12:16	87	1	GZ165		300	56° 46.19'	155° 51.74'	60Bon	L-Oto,QTowF,RCountL	
29-May	12:16	87	1	GZ165		300	56° 46.19'	155° 51.74'	CAT		
29-May	13:20	88	1	GX165		213	56° 53.09'	156° 04.91'	60Bon	L-Oto,QTowF,RCountL	
29-May	13:20	88	1	GX165		213	56° 53.09'	156° 04.91'	CAT		
29-May	14:22	89	1	GV165		83	56° 59.98'	156° 18.06'	60Bon	L-Oto,QTowF,RCountL	
29-May	14:22	89	1	GV165		83	56° 59.98'	156° 18.06'	CAT		
29-May	15:31	90	1	GV167		90	57° 07.18'	156° 05.36'	60Bon	L-Oto,QTowF,RCountL	
29-May	15:31	90	1	GV167		90	57° 07.18'	156° 05.36'	CAT		
29-May	16:39	91	1	GV169		254	57° 14.31'	155° 52.72'	60Bon	L-Oto,QTowF,RCountL	
29-May	16:39	91	1	GV169		254	57° 14.31'	155° 52.72'	CAT		
29-May	17:47	92	1	GV171		286	57° 21.66'	155° 40.07'	60Bon	L-Oto,QTowF,RCountL	

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23-31 MAY

Date (GMT)	Time (GMT)	Station	Haul	FOCI Grid No.	Alternate Station No.	Depth (m)	Latitude N	Longitude W	Gear	Samples Collected	Haul Comments
29-May	17:47	92	1	GV171		286	57° 21.66'	155° 40.07'	CAT	CAT	
29-May	18:56	93	1	GV173		299	57° 28.93'	155° 27.22'	60Bon	L-Oto,QTowF,RCountL	
29-May	18:56	93	1	GV173		299	57° 28.93'	155° 27.22'	CAT	CAT	
29-May	20:25	94	1	GX171		264	57° 14.71'	155° 27.08'	60Bon	L-Oto,QTowF,RCountL	
29-May	20:25	94	1	GX171		264	57° 14.71'	155° 27.08'	CAT	CAT	
29-May	21:32	95	1	GX169		280	57° 07.42'	155° 39.97'	60Bon	L-Oto,QTowF,RCountL	
29-May	21:32	95	1	GX169		280	57° 07.42'	155° 39.97'	CAT	CAT	
29-May	23:07	96	1	GZ167		285	56° 53.29'	155° 39.18'	60Bon	L-Oto,QTowF,RCountL	
29-May	23:07	96	1	GZ167		285	56° 53.29'	155° 39.18'	CAT	CAT	
29-May	23:22	96	2	GZ167		285	56° 53.52'	155° 38.52'	SatBuoy	Deploy	launch drifter #29057
30-May	0:18	97	1	GZ169		270	57° 00.71'	155° 26.22'	60Bon	L-Oto,QTowF,RCountL	
30-May	0:18	97	1	GZ169		270	57° 00.71'	155° 26.22'	CAT	CAT	
30-May	1:24	98	1	GZ171		245	57° 08.03'	155° 13.50'	60Bon	L-Oto,QTowF,RCountL	
30-May	1:24	98	1	GZ171		245	57° 08.03'	155° 13.50'	CAT	CAT	
30-May	2:33	99	1	HB171		150	57° 01.16'	155° 00.22'	60Bon	L-Oto,QTowF,RCountL	
30-May	2:33	99	1	HB171		150	57° 01.16'	155° 00.22'	CAT	CAT	
30-May	3:40	100	1	HB169		223	56° 53.75'	155° 13.26'	60Bon	L-Oto,QTowF,RCountL	
30-May	3:40	100	1	HB169		223	56° 53.75'	155° 13.26'	CAT	CAT	
30-May	4:45	101	1	HB167		242	56° 46.62'	155° 25.84'	60Bon	L-Oto,QTowF,RCountL	
30-May	4:45	101	1	HB167		242	56° 46.62'	155° 25.84'	CAT	CAT	
30-May	5:56	102	1	HD167		77	56° 39.69'	155° 12.42'	60Bon	L-Oto,QTowF,RCountL	
30-May	5:56	102	1	HD167		77	56° 39.69'	155° 12.42'	CAT	CAT	
30-May	7:51	103	1	HF167		34	56° 32.75'	154° 59.81'	60Bon	QTowF,RCountL	
30-May	7:51	103	1	HF167		34	56° 32.75'	154° 59.81'	CAT	CAT	
30-May	9:49	104	1	HH163		34	56° 11.62'	155° 11.58'	60Bon	L-Oto,QTowF,RCountL	
30-May	9:49	104	1	HH163		34	56° 11.62'	155° 11.58'	CAT	CAT	
30-May	10:48	105	1	HH161		40	56° 04.00'	155° 23.70'	60Bon	L-Oto,QTowF,RCountL	
30-May	10:48	105	1	HH161		40	56° 04.00'	155° 23.70'	CAT	CAT	
30-May	15:01	106	1	HL169		101	56° 19.32'	154° 08.04'	60Bon	L-Genet	
30-May	15:01	106	1	HL169		101	56° 19.32'	154° 08.04'	CAT	CAT	
30-May	18:19	107	1	HP175		47	56° 27.29'	153° 05.74'	60Bon	Discard	
30-May	18:19	107	1	HP175		47	56° 27.29'	153° 05.74'	CAT	CAT	
30-May	23:14	108	1	HN181		147	56° 56.07'	152° 41.12'	60Bon	L-Genet	
30-May	23:14	108	1	HN181		147	56° 56.07'	152° 41.12'	CAT	CAT	
31-May	2:16	109	1	HL187		42	57° 24.80'	152° 15.00'	60Bon	L-Genet	
31-May	2:16	109	1	HL187		42	57° 24.80'	152° 15.00'	CAT	CAT	

cruise statistics

Gears

	number
Bongos, 60 cm	108
Satellite tracked drifter deployments	3
Seacat CTD casts	109

Samples

	casts/hauls	# collected
Larval pollock genetic	8	44
Larval pollock otoliths	93	2573