

CRUISE REPORT

Cruise Number: OS169

FOCI Number: 1OM06

Ship:

Japanese Research Vessel Oshoro Maru

Area of Operations:

Eastern Bering Sea

Itinerary:

Date depart / port: June 21, 2006 / Dutch Harbor, AK

Date arrive / port: June 28, 2006 / Dutch Harbor, AK

Participating organizations:

NOAA - Alaska Fisheries Science Center (AFSC)

Chief Scientist:

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Personnel:

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Bill Rugen M / AFSC

Cruise Objectives:

The objective of this cruise was to continue the long-term acquisition of biological and physical data relating to the summer abundance of walleye pollock (*Theragra chalcogramma*) larvae and juveniles in the eastern Bering Sea shelf region. This is a continuing cooperative research effort between FOCI and the scientists at Hokkaido University.

Summary of Operations:

Operation	Tows
20cm bongo (20Bon)	21
60cm bongo (60Bon)	21
CalCOFI vertical egg tow net (CalVET)	5
Methot net on Japanese trawl frame (MBT)	3

Samples Collected

	Tows	Number
Microzooplankton samples preserved in formalin (MZ)	10	10
Quantitative tow preserved in formalin (QTowF)	66	82
Rough count of pollock juveniles (RCountJ)	24	190

Summary of Cruise:

Narrative:

We were able to complete all of our station objectives during the course of this cruise. A 60 cm Bongo frame with 505 and 333 micron mesh nets, and a 20 cm Bongo frame with 153 micron mesh nets were used at all stations. At selected stations, CalVET and Methot tows were also conducted. The Methot inner and outer nets were attached to a Japanese rigid frame. All gears worked as expected with few exceptions. Other physical and biological data were collected by the Japanese scientists using CTD, water bottles, Norpac net tows, Secchi discs and other gears.

Days Lost to Weather:

None

Days Lost to Equipment Failure:

None

Recommendations:

None

Acknowledgments:

The scientific party would like to acknowledge the hard work and support of the officers and crew of the Oshoro Maru.

Attachments:

Table 1. Cruise Summary

Figure 1. Station Map

Figure 2. 1OM06 Juvenile Rough Count (#/10m²)

Table 1. Cruise Summary For FOCI Cruise 10M06 (OS169)

Date (GMT)	Time (GMT)	Station	Haul	Grid	FOCI	Alternat Station	Depth (m)	Latitude	Longitude	Gear	Samples Collected	HaulComments
22-Jun-06	0:48	1	1	B4			135	54 59.97 N	165 59.94 W	20Bon	QTowF	20bon net 1 wrapped on frame so net 2 preserved.
22-Jun-06	0:48	1	1	B4			135	54 59.97 N	165 59.94 W	60Bon	QTowF, RCountJ	
22-Jun-06	4:19	2	1	C4			120	55 29.47 N	166 03.34 W	20Bon	QTowF	OS06132
22-Jun-06	4:19	2	1	C4			120	55 29.47 N	166 03.34 W	20Bon	QTowF, RCountJ	OS06132
22-Jun-06	7:55	3	1	D4			112	55 59.99 N	166 00.01 W	CalVET	MZ	nets 1 and 2 combined into one jar. OS06133.
22-Jun-06	8:12	3	2	D4			112	55 59.99 N	166 00.01 W	20Bon	QTowF	Lat/Long and tow time taken from haul 1. OS06133.
22-Jun-06	8:12	3	2	D4			112	55 59.99 N	166 00.01 W	60Bon	QTowF, RCountJ	Lat/Long and tow time taken from haul 1. OS06133.
22-Jun-06	11:25	4	1	E4			85	56 30.99 N	165 59.77 W	20Bon	QTowF	OS06134
22-Jun-06	11:25	4	1	E4			85	56 30.99 N	165 59.77 W	60Bon	QTowF, RCountJ	OS06134
22-Jun-06	14:49	5	1	F4			71	56 59.97 N	165 59.26 W	CalVET	MZ	Nets one and two combined into one jar. OS06135.
22-Jun-06	15:00	5	2	F4			71	56 59.95 N	165 59.13 W	20Bon	QTowF	OS06135
22-Jun-06	15:00	5	2	F4			71	56 59.95 N	165 59.13 W	60Bon	QTowF, RCountJ	OS06135
22-Jun-06	18:10	6	1	G4			63	57 30.04 N	165 59.95 W	20Bon	QTowF	OS06136
22-Jun-06	18:10	6	1	G4			63	57 30.04 N	165 59.95 W	60Bon	QTowF, RCountJ	OS06136
22-Jun-06	22:35	7	1	H4			53	58 00.00 N	165 59.97 W	20Bon	QTowF	OS06137
22-Jun-06	22:35	7	1	H4			53	58 00.00 N	165 59.97 W	60Bon	QTowF, RCountJ	OS06137
23-Jun-06	3:47	8	1	G5			70	57 29.91 N	166 59.26 W	20Bon	QTowF	OS06138
23-Jun-06	3:47	8	1	G5			70	57 29.91 N	166 59.26 W	60Bon	QTowF, RCountJ	OS06138
23-Jun-06	7:20	9	1	G6			68	57 29.64 N	167 59.50 W	CalVET	MZ	Net 1 and 23 combined. OS06139.
23-Jun-06	7:30	9	2	G6			68	57 29.64 N	167 59.50 W	20Bon	QTowF	OS06139
23-Jun-06	7:30	9	2	G6			68	57 29.64 N	167 59.50 W	60Bon	QTowF, RCountJ	OS06139
23-Jun-06	11:40	10	1	F5			71	56 59.90 N	167 00.36 W	20Bon	QTowF	OS06140
23-Jun-06	11:40	10	1	F5			71	56 59.90 N	167 00.36 W	60Bon	QTowF, RCountJ	OS06140
23-Jun-06	15:45	11	1	F6			79	57 00.09 N	167 59.78 W	20Bon	QTowF	OS06141
23-Jun-06	15:45	11	1	F6			79	57 00.09 N	167 59.78 W	60Bon	QTowF, RCountJ	OS06141
23-Jun-06	21:30	12	1	F7			76	56 59.95 N	169 00.12 W	CalVET	MZ	OS06141 Low revs on 60 Bon net 2
23-Jun-06	21:45	12	2	F7			70	56 59.95 N	169 00.12 W	20Bon	QTowF	Net 1 and 2 combined. OS010142.
23-Jun-06	21:45	12	2	F7			70	56 59.95 N	169 00.12 W	60Bon	QTowF, RCountJ	OS06142
24-Jun-06	0:25	13	1	F8			69	56 55.00 N	169 58.09 W	MBT	QTowF, RCountJ	OS06142
24-Jun-06	1:00	13	2	F8			69	56 55.00 N	169 00.02 W	20Bon	QTowF	OS06143
24-Jun-06	1:00	13	2	F8			69	56 55.00 N	169 00.02 W	60Bon	QTowF, RCountJ	OS06143
24-Jun-06	1:00	13	2	F8			69	56 55.00 N	169 00.02 W	60Bon	QTowF, RCountJ	OS06143. Flowmeter low could be due to heavy phytoplankton but changed out flowmeter after tow.
24-Jun-06	4:11	14	1	E8			106	56 24.36 N	169 59.99 W	MBT	QTowF, RCountJ	OS06144

Table 1 continued. Cruise Summary For FOCI Cruise 10M06 (OS169)

Date (GMT)	Time (GMT)	Station	Haul	FOCI Grid	Alternat Station	Depth (m)	Latitude	Longitude	Gear	Samples Collected	HaulComments
24-Jun-06	4:52	14	2	E8		106	56 23.83 N	169 59.24 W	20Bon	QTowF	OS06144
24-Jun-06	4:52	14	2	E8		106	56 23.83 N	169 59.24 W	60Bon	QTowF, RCountJ	OS06144
24-Jun-06	7:50	15	1	E7		100	56 29.97 N	169 01.42 W	MBT	QTowF, RCountJ	OS06145
24-Jun-06	9:58	15	2	E7		102	56 29.74 N	168 59.58 W	20Bon	QTowF	OS06145
24-Jun-06	9:58	15	2	E7		102	56 29.74 N	168 59.58 W	60Bon	QTowF, RCountJ	OS06145
24-Jun-06	13:32	16	1	E6		115	56 29.96 N	167 59.02 W	20Bon	QTowF	OS06146
24-Jun-06	13:32	16	1	E6		115	56 29.96 N	167 59.02 W	60Bon	QTowF, RCountJ	OS06146
24-Jun-06	16:58	17	1	E5		106	56 29.94 N	166 59.88 W	20Bon	QTowF	OS06147
24-Jun-06	16:58	17	1	E5		106	56 29.94 N	166 59.88 W	60Bon	QTowF, RCountJ	OS06147
24-Jun-06	22:02	18	1	D5		132	56 00.13 N	167 00.21 W	CaIVET	MZ	Nets 1 and 2 combined. OS06148.
24-Jun-06	22:22	18	2	D5		132	56 00.04 N	167 00.44 W	20Bon	QTowF	OS06148
24-Jun-06	22:22	18	2	D5		132	56 00.04 N	167 00.44 W	60Bon	QTowF, RCountJ	OS06148
25-Jun-06	1:30	19	1	D6		135	56 00.05 N	167 59.97 W	20Bon	QTowF	20Bon frame came up backwards; revs low. OS06149.
25-Jun-06	1:30	19	1	D6		135	56 00.05 N	167 59.97 W	60Bon	QTowF, RCountJ	OS06149.
25-Jun-06	1:30	19	1	D6		135	56 00.05 N	167 59.97 W	60Bon	QTowF, RCountJ	60Bon net 1 flowmeter count low. OS06149.
25-Jun-06	6:09	20	1	D7		1260	56 00.34 N	168 59.77 W	20Bon	QTowF	OS06150
25-Jun-06	6:09	20	1	D7		1260	56 00.34 N	168 59.77 W	60Bon	QTowF, RCountJ	OS06150
25-Jun-06	9:17	21	1	D8		215	56 00.37 N	169 57.69 W	20Bon	QTowF	OS06151
25-Jun-06	9:17	21	1	D8		215	56 00.37 N	169 57.69 W	60Bon	QTowF, RCountJ	OS06151

Figure 1.

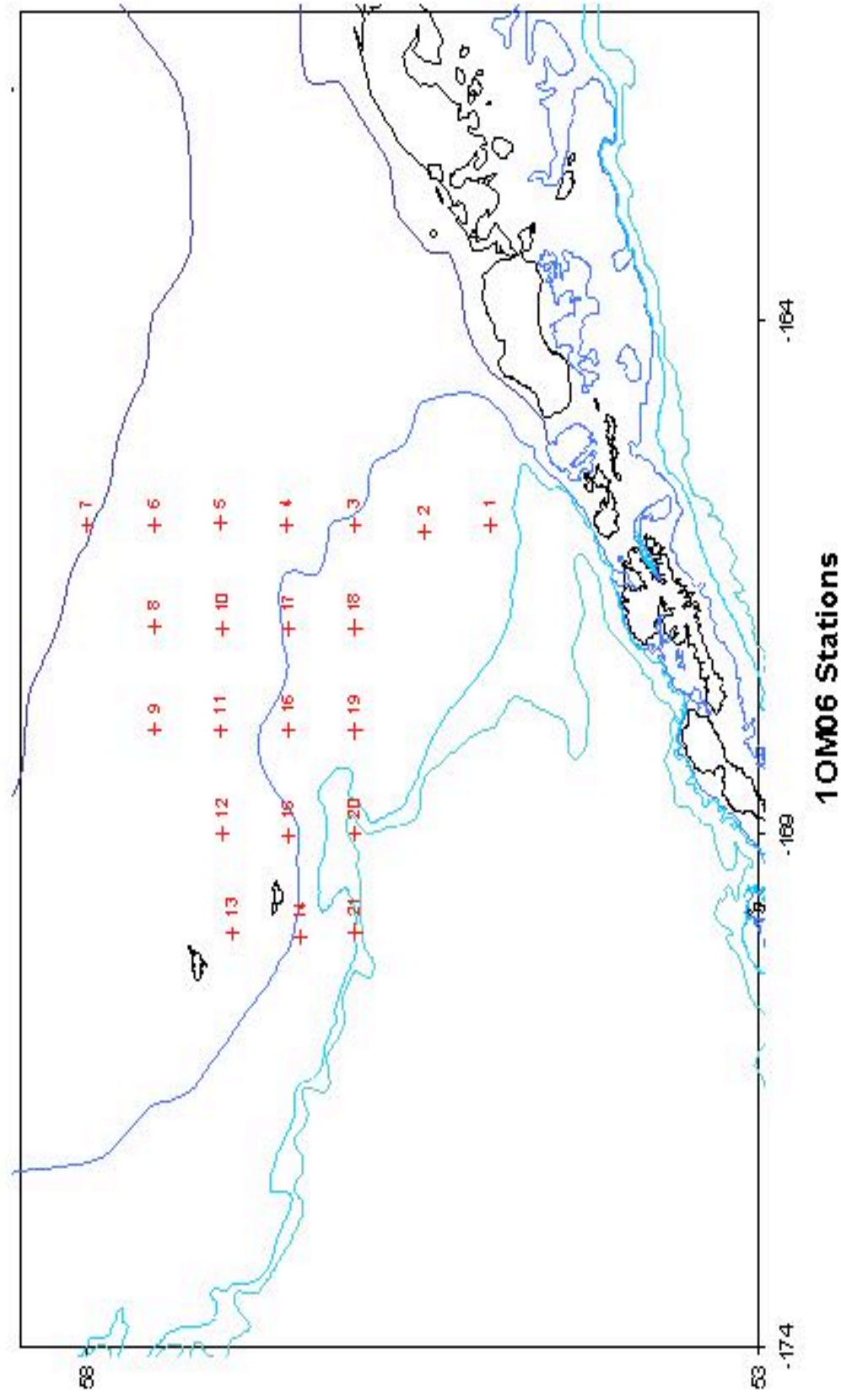


Figure 2.

