

BRIDGE LOG

VESSEL: R/V Tommy Munro

CRUISE: 972

REMARKS: Fall Ichthyoplankton Survey Sept. 20-22, 1997

STATION NO. PAS./SEAMAP	DATE MMDDYY	TIME ON STATION		LATITUDE START/END	LONGITUDE START/END	DEPTH (FM) START/END	PRIMARY GEAR		OTHER GEARS USED			Tucker Grz BONGO IN/OUT	NEUSTON IN/OUT	VESSEL SPD/C.C.	OTHER DATA COLLECTED (✓)							
		PO/DO	PU/OD				SIZE	TYPE							SHRIMP L/F	GEN. L/F	ENV.	SAL	DO	CL	ICH.	OTHER
17001 10	09-20-97			29°58.78	87°44.10	17.0			TU	TF	SA			1.5-2.0			✓	✓			✓	
17002 11	09-20-97			30°04.91	87°44.04	9.5			TU	TF	SA	09:51		"			✓	✓			✓	
17003 12	09-20-97			30°10.93	87°44.05	5.4			TU	TF	SA	10:42		"			✓	✓			✓	
17004 13	09-20-97			30°10.77	87°56.33	7.9			TU	TF	SA	12:23		"			✓	✓			✓	
17005 14	09-20-97			30°04.88	87°56.57	8.6			TU	TF	SA	13:16		"			✓	✓			✓	
17006 15	09-20-97			30°00.41	87°58.28				TU	TF	SA	15:15		"			✓	✓			✓	
17006 B177	"			"	"				PN	NN	OY	14:55	14:29	"			✓	✓	✓	✓	✓	
17007 16	09-20-97			29°52.89	87°56.57	16.0			BC	TF	SA	15:04	14:39				✓	✓			✓	
17008 19	09-20-97			29°53.02	88°08.29	18.0			TU	TF	SA	16:30		"			✓	✓			✓	
17009 20	09-20-97			29°58.89	88°08.06	14.0			TU	TF	SA	17:47		"			✓	✓			✓	
												18:01										
												18:45		"			✓	✓			✓	
												18:53										

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		PO/DO	PU/OD				SIZE	TYPE					SHRIMP L/F	GEN. L/F	ENV.	SAL	DO	CL	ICH.	OTHER
17010	09-20-97			30°04.94	88°08.04	10.8			TU TF SA	19:35		1.5-2.0			✓	✓			✓	
21										19:41										
17011	09-20-97			30°10.92	88°08.04	6.4			TU TF SA	20:20		"			✓	✓			✓	
22										20:25										
17012	09-20-97			30°11.01	88°20.37	6.7			TU TF SA	21:52		"			✓	✓			✓	
23										21:55										
17013	09-20-97			30°04.97	88°20.01	10.3			TU TF SA	22:43		"			✓	✓			✓	
24										22:48										
17014	09-20-97			29°59.01	88°20.01	16.0			TU TF SA	23:36		"			✓	✓			✓	
25										23:45										
17015	09-21-97			29°52.93	88°20.37	18.0			TU TF SA	00:38		"			✓	✓			✓	
26										00:46										
17016	09-21-97			29°46.84	88°20.37	19.0			TU TF SA	01:41		"			✓	✓			✓	
27										01:52										
17017	09-21-97			29°40.71	88°32.17	16.0			TU TF SA	03:27		"			✓	✓			✓	
29										03:38										
17018	09-21-97			29°46.92	88°32.31	15.0			TU TF SA	04:31		"			✓	✓			✓	
30										04:41										
17019	09-21-97			29°52.93	88°32.14	14.0			TU TF SA	05:57		"			✓	✓			✓	
31										06:09										

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		PO/DO	PU/OD				SIZE	TYPE					SHRIMP L/F	GEN. L/F	ENV.	SAL	DO	CL	ICH.	OTHER
17020 32	09-21-97			29°59.96	88°30.02	14.0			TU TF SA	07:16		1.5-2.0			✓	✓			✓	
										07:23										
17020 B178	"			"	"	"			PN NN OY	07:39	07:51	"			✓	✓	✓	✓	✓	
									BC TF SA	07:45	08:02									
17021 33	09-21-97			30°04.82	88°32.13	9.4			TU TF SA	08:59		"			✓	✓			✓	
										09:04										
17022 34	09-21-97			30°10.91	88°32.02	6.3			TU TF SA	09:50		"			✓	✓			✓	
										09:56										
17023 35	09-21-97			30°10.88	88°43.94	6.8			TU TF SA	11:13		"			✓	✓			✓	
										11:19										
17024 36	09-21-97			30°04.79	88°43.96	8.0			TU TF SA	12:04		"			✓	✓			✓	
										12:09										
17025 37	09-21-97			29°58.79	88°44.32	8.0			TU TF SA	13:03		"			✓	✓			✓	
										13:10										
17026 38	09-21-97			29°52.91	88°44.09	8.0			TU TF SA	14:01		"			✓	✓			✓	
										14:06										
17027 39	09-21-97			29°46.85	88°44.54	8.0			TU TF SA	14:56		"			✓	✓			✓	
										15:02										
17028 40	09-21-97			29°40.98	88°44.22	8.0			TU TF SA	15:47		"			✓	✓			✓	
										15:53										

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		PO/DO	PU/OD				SIZE	TYPE					SHRIMP L/F	GEN. L/F	ENV.	SAL	DO	CL	ICH.	OTHER
17029	09-21-97			29°34.92	88°43.97	8.4			TU TF SA	20:31		1.5-2.0			✓	✓			✓	
41										20:37										
17030	09-21-97			29°28.99	88°43.96	10.4			TU TF SA	21:26		"			✓	✓			✓	
42										21:34										
17031	09-21-97			29°23.01	88°56.10	9.5			TU TF SA	23:02		"			✓	✓			✓	
44										23:09										
17032	09-22-97			29°28.99	88°56.23	6.6			TU TF SA	00:01		"			✓	✓			✓	
45										00:11										
17033	09-22-97			29°28.93	89°01.22	5.3			TU TF SA	01:39		"			✓	✓			✓	
47										01:48										
17033	09-22-97			"	"	"			PN NN OY	01:08	01:21	"			✓	✓	✓	✓	✓	
B182									BC TF SA	01:14	01:31									
17034	09-22-97			29°22.73	89°08.09	5.1			TU TF SA	03:27		"			✓	✓			✓	
48										03:33										
17035	09-22-97			29°24.18	89°15.99	3.4			TU TF SA	05:01		"			✓	✓			✓	
49										05:04										
17036	09-22-97			29°30.84	89°15.18	2.5			TU TF SA	06:18		"			✓	✓			✓	
50										06:21										
17037	09-22-97			29°34.2	89°11.4	2.8			TU TF SA	07:02		"			✓	✓			✓	
51										07:07										

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		PO/DO	PU/OD				SIZE	TYPE		BONGO IN/OUT	NEUSTON IN/OUT		SHRIMP L/F	GEN. L/F	ENV.	SAL	DO	CL	ICH.	OTHER
17038	09-22-97					2.2			TU TF SA	07:48		1.5-2.0			✓	✓			✓	
52										07:52										
17039	09-22-97			29°41.88	89°07.01	2.0			TU TF SA	08:31		"			✓	✓			✓	
53										08:34										
17040	09-22-97			29°46.21	89°03.50	2.5			TU TF SA	09:18		"			✓	✓			✓	
54										09:24										
17041	09-22-97			29°50.50	89°01.48	2.7			TU TF SA	09:58		"			✓	✓			✓	
55										10:04										
17042	09-22-97			29°54.62	88°59.03	2.7			TU TF SA	10:37		"			✓	✓			✓	
56										10:44										
17043	09-22-97			29°59.29	88°58.91	2.9			TU TF SA	11:26		"			✓	✓			✓	
57										11:31										
17043	"			"	"	"			PN NN 04	11:43	11:55	"			✓	✓	✓	✓	✓	
8181									BC TF SA	11:49	12:05									
17044	09-22-97			30°03.51	88°59.40	3.5			TU TF SA	12:42		"			✓	✓			✓	
58										12:47										
17045	09-22-97			30°08.14	89°00.33	4.3			TU TF SA	13:26		"			✓	✓			✓	
59										13:32										
17046	09-22-97			30°09.42	88°51.64	5.8			TU TF SA	14:25		"			✓	✓			✓	
60										14:32										