



Title	2 THE "USHIO MARU" CRUISE 303, CRUISE 304, CRUISE 305 IN FEBRUARY - APRIL 2014
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**THE " USHIO MARU "**

**CRUISE 303**

**CRUISE 304**

**CRUISE 305**

**IN FEBRUARY 2014**

**IN MARCH 2014**

**IN APRIL 2014**

## 1. Cruise Itinerary

### Cruise 303

Departure from Hakodate	Feb.	21, 2014
Start hydrographic research (US14106)		21
Finish hydrographic research (US14127)		22
Return to Hakodate		23
Total coverage 155.4 miles		

### Cruise 304

Departure from Hakodate	Mar.	3, 2014
Start hydrographic research (US14128)		3
Arrival at and departure from Hakodate		4
Finish hydrographic research (US14148)		5
Return to Hakodate		5
Total coverage 279.3 miles		

### Cruise 305

Departure from Hakodate	Apr.	12, 2014
Start hydrographic research (US14149)		12
Arrival at and departure from Usujiri		12
Sampling by frame trawl net		13
Arrival at Usujiri		14
Depart from Usujiri		15
Retrieval ADCP mooring system		15
Arrival at Muroran		15
Setting ADCP mooring system		16
Arrival at Usujiri		16
Departure from Usujiri		17
Arrival and departure from Usujiri		18
Finish hydrographic research (US14192)		18
Return to Hakodate		19
Total coverage 456.4 miles		

## 2. Data on Temperature, Salinity and Pressure

Hydrographic work on deck and the data processing were made by the deck officers, crews, research staff and cadets of the “Ushio Maru”. Temperature and salinity were measured by CTD (Seabird SBE-9Plus and SBE-19).

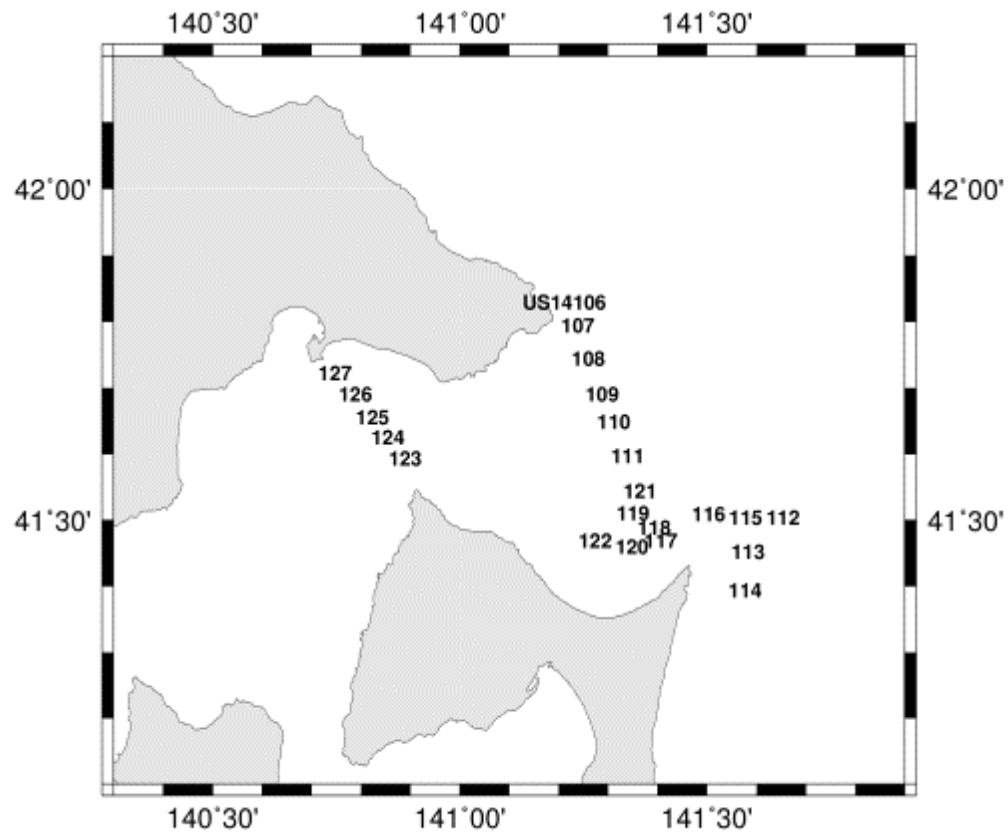


Figure 1. Oceanographic stations (Cruise 303)

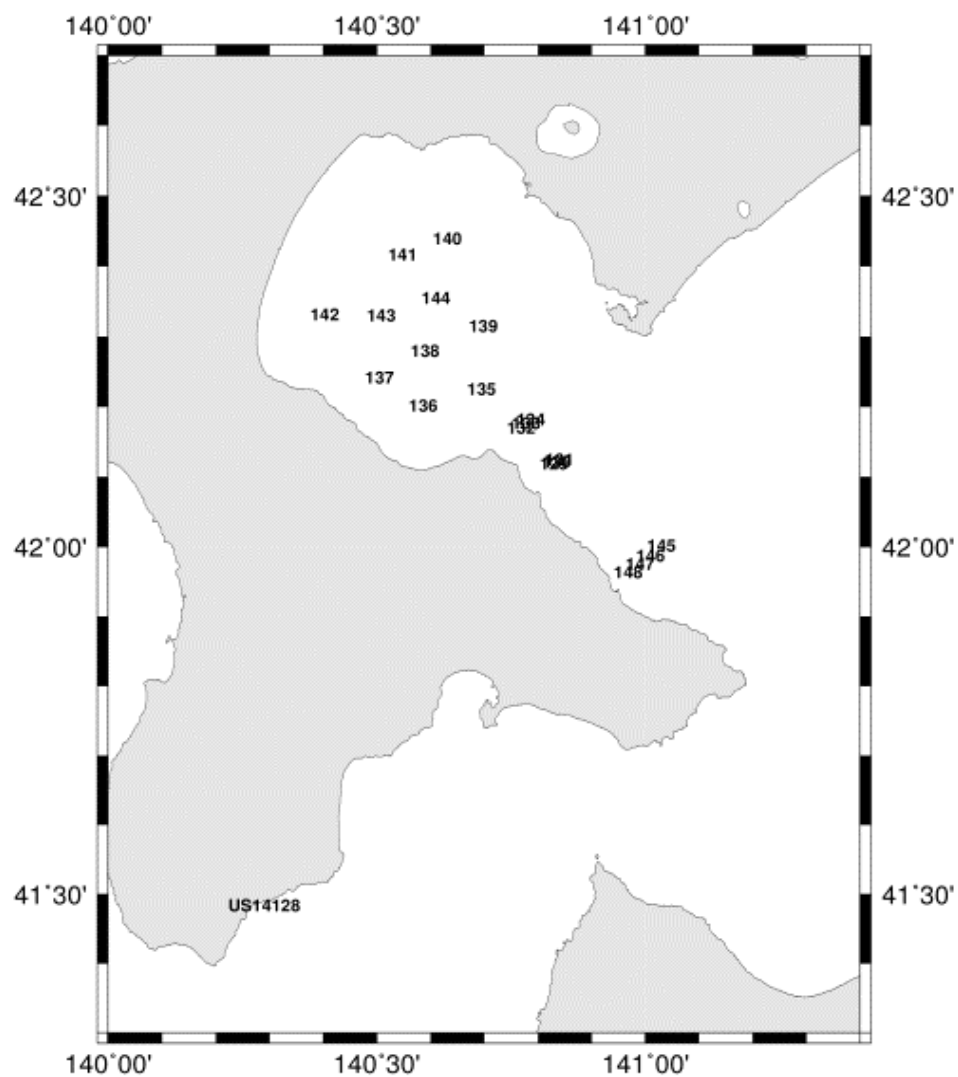


Figure 2. Oceanographic stations (Cruise 304)

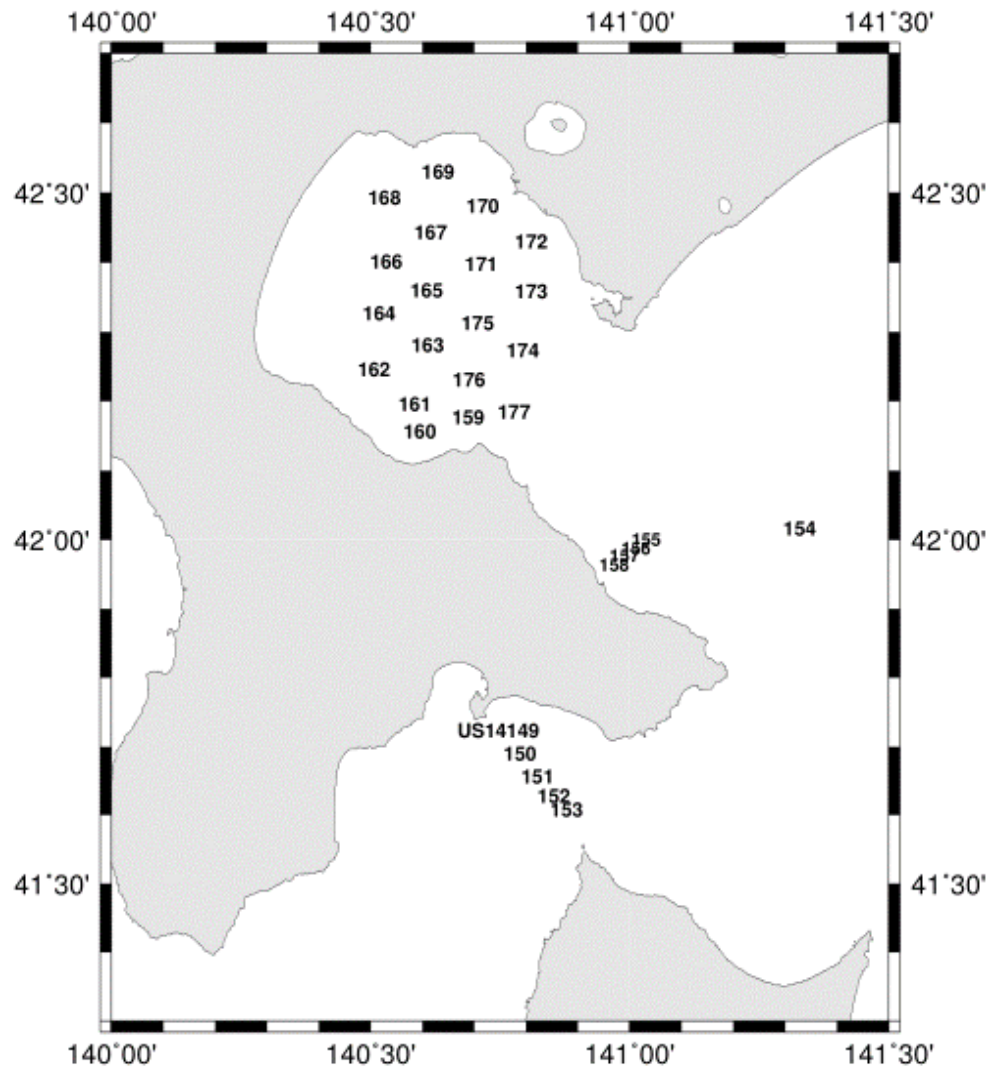


Figure 3. Oceanographic stations (Cruise 305)

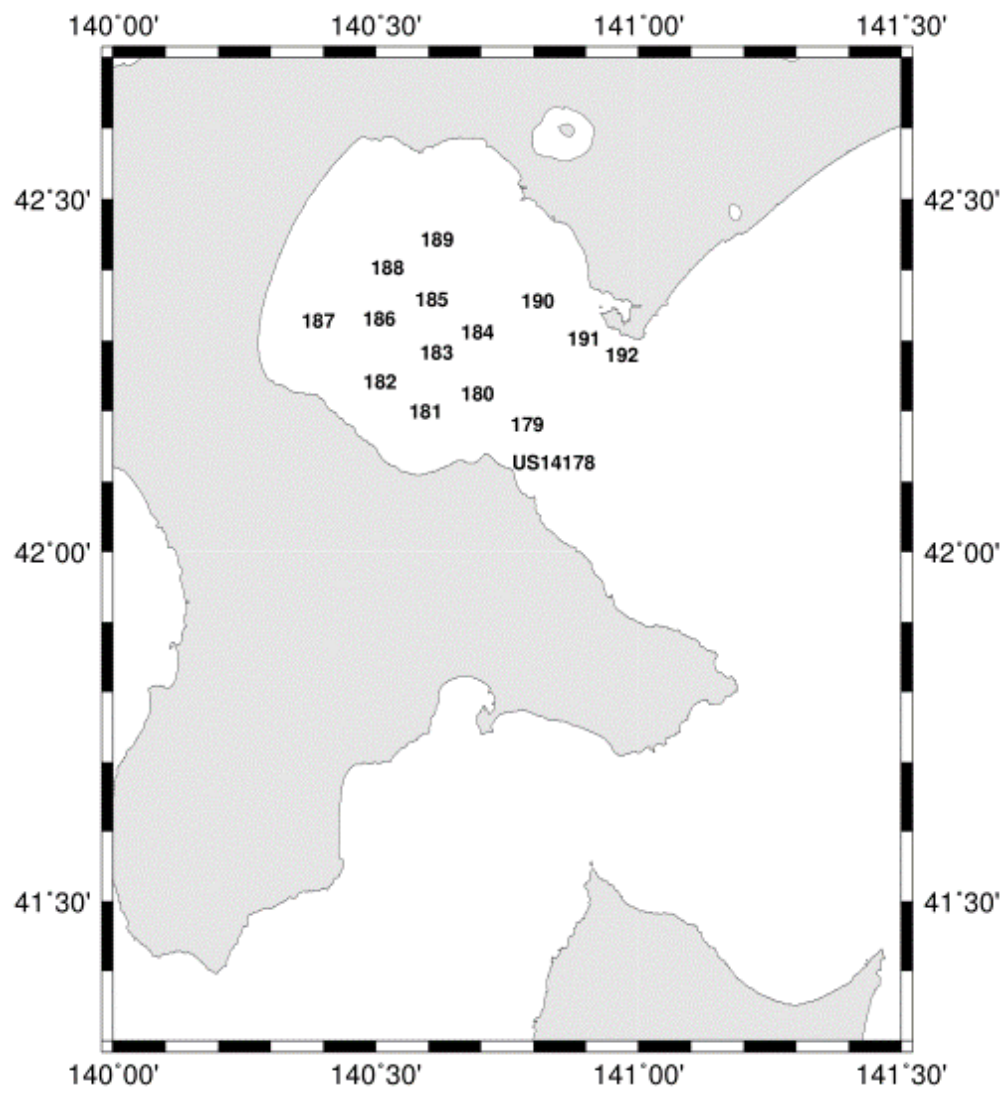


Figure 4. Oceanographic stations (Cruise 305)

Table 1. List of Oceanographic Station

Cruise 303											
Station	Lat. (N)*	Long. (E)*	Date	S.M.T.	Depth(m)	Wave	Swell	Wind	Air Temp.	Sea Temp.	Wr.
US14106	41-49.1	141-12.7	2/21	1047-1055	129	NW -3	NW -1	NW -5	-0.1	1.2	bc
US14107	41-47.0	141-14.3	2/21	1150-1202	194	NW -1	NW -1	NW -2	-0.4	1.3	bc
US14108	41-44.0	141-15.6	2/21	1222-1230	227	NW -1	NW -1	NW -3	-1.3	1.6	bc
US14109	41-40.8	141-17.3	2/21	1252-1300	232	West-3	West-1	West-5	-1.0	1.7	s
US14110	41-38.3	141-18.7	2/21	1318-1326	214	West-3	West-1	West-5	-0.5	1.6	bc
US14111	41-35.2	141-20.4	2/21	1348-1400	305	West-3	West-1	West-5	-0.8	1.5	bc
US14112	41-29.6	141-39.2	2/21	1521-1542	598	West-3	West-1	West-5	-0.6	1.4	bc
US14113	41-26.5	141-35.0	2/21	1611-1624	380	West-3	West-1	West-5	-1.3	2.1	bc
US14114	41-23.0	141-34.6	2/21	1647-1700	370	West-3	West-1	West-5	-0.7	1.9	bc
US14115	41-29.6	141-34.7	2/22	0552-0559	141	NW -3	NW -1	NW -5	-1.5	1.1	bc
US14116	41-29.9	141-30.2	2/22	0623-0626	66	NW -3	NW -1	NW -5	-1.6	1.8	bc
US14117	41-27.5	141-24.4	2/22	0658-0702	49	NW -3	NW -1	NW -5	-1.2	1.8	bc
US14118	41-28.7	141-23.6	2/22	0712-0717	86	NW -3	NW -1	NW -5	-0.9	1.6	bc
US14119	41-30.0	141-21.0	2/22	0736-0746	232	NW -3	NW -1	NW -5	-0.9	1.7	bc
US14120	41-27.0	141-20.9	2/22	0811-0818	85	West-2	NW -1	West-5	-0.8	1.8	bc
US14121	41-32.0	141-21.9	2/22	0850-0900	261	West-3	NW -1	West-5	0.1	3.0	bc
US14122	41-27.5	141-16.4	2/22	1027-1034	134	West-3	West-1	West-5	-0.1	1.8	bc
US14123	41-35.0	140-53.4	2/22	1306-1309	41	West-3	West-1	West-5	2.0	6.1	s
US14124	41-36.9	140-51.3	2/22	1329-1335	94	West-3	West-1	West-5	1.8	5.7	bc
US14125	41-38.7	140-49.4	2/22	1352-1405	333	West-3	West-1	West-5	1.5	5.2	bc
US14126	41-40.8	140-47.3	2/22	1424-1433	230	West-2	West-1	West-4	1.7	4.6	bc
US14127	41-42.7	140-44.9	2/22	1451-1455	87	West-3	West-1	West-5	1.7	2.0	bc
Cruise 304											
Station	Lat. (N)*	Long. (E)*	Date	S.M.T.	Depth(m)	Wave	Swell	Wind	Air Temp.	Sea Temp.	Wr.
US14128	41-28.5	140-17.4	3/3	1115-1118	33	West-3	SW -1	West-5	-1.2	2.7	bc
US14129	42-06.6	140-49.8	3/4	1213-1216	38	NW -3	NW -1	NW -5	-0.4	1.1	c
US14130	42-06.8	140-50.1	3/4	1229-1232	64	NW -2	NW -1	NW -4	0.1	1.7	c
US14131	42-07.0	140-50.4	3/4	1245-1249	69	NW -2	NW -1	NW -4	0.2	1.5	c
US14132	42-09.7	140-46.1	3/4	1327-1331	92	NW -2	NW -1	NW -4	-0.4	1.3	c
US14133	42-10.1	140-46.7	3/4	1352-1356	96	NW -2	NW -1	NW -4	-0.1	1.3	c
US14134	42-10.4	140-47.2	3/4	1409-1413	92	NW -2	NW -1	NW -4	-0.4	1.3	c
US14135	42-13.0	140-41.7	3/4	1453-1457	90	NW -1	NW -1	NW -3	-1.4	1.4	o
US14136	42-11.6	140-35.2	3/4	1554-1600	83	NE -1	NW -1	NE -3	-2.3	1.5	s
US14137	42-14.0	140-30.3	3/4	1639-1643	81	NE -1	NW -1	NE -3	-2.5	1.7	s
US14138	42-16.3	140-35.4	3/4	1726-1731	92	East-2	NW -1	East-4	-2.9	1.5	s
US14139	42-18.4	140-41.9	3/4	1817-1821	67	East-2	NW -1	East-4	-2.8	1.4	s
US14140	42-25.9	140-37.9	3/5	0616-0620	83	East-1	SE -1	East-3	-0.1	1.2	o
US14141	42-24.5	140-32.9	3/5	0657-0701	95	East-1	SE -1	East-2	0.6	1.2	o
US14142	42-19.4	140-24.2	3/5	0801-0805	62	SE -2	SE -1	SE -4	0.6	1.5	o
US14143	42-19.3	140-30.5	3/5	0847-0851	94	SE -2	SE -1	SE -4	0.6	1.6	o
US14144	42-20.8	140-36.6	3/5	0938-0943	88	SE -2	SE -1	SE -4	0.9	1.4	o
US14145	41-59.6	141-01.8	3/5	1255-1259	100	Calm	SE -1	Calm	1.1	0.2	o
US14146	41-58.7	141-00.6	3/5	1308-1312	94	Calm	SE -1	Calm	1.1	0.2	s
US14147	41-58.0	140-59.4	3/5	1326-1330	87	Calm	SE -1	Calm	1.1	0.3	o
US14148	41-57.3	140-58.1	3/5	1338-1341	77	Calm	SE -1	Calm	1.0	0.3	s

Table 1 (Continued)

Cruise 305											
Station	Lat. (N)*	Long. (E)*	Date	S.M.T.	Depth(m)	Wave	Swell	Wind	Air Temp.	Sea Temp.	Wr.
US14149	41-42.8	140-44.8	4/12	0835-0843	84	SW -1	South-1	SW -2	6.3	7.0	bc
US14150	41-40.8	140-47.3	4/12	0902-0911	228	SW -1	South-1	SW -3	6.0	7.0	bc
US14151	41-38.8	140-49.3	4/12	0930-0942	344	SW -1	South-1	SW -2	6.7	8.2	bc
US14152	41-37.1	140-51.2	4/12	0959-1003	98	SW -1	South-1	SW -2	7.3	8.2	bc
US14153	41-35.9	140-52.7	4/12	1015-1018	39	SW -1	South-1	SW -2	7.2	8.2	bc
US14154	42-00.4	141-19.7	4/13	0653-0703	310	NW -2	NW -1	NW -3	2.7	0.9	bc
US14154-2	42-00.0	141-14.4	4/13	0948-0958	225	NW -2	NW -1	NW -3	3.8	1.3	bc
US14154-3	42-00.0	141-19.8	4/13	1155-1205	305	NNW-2	NW -1	NNW-3	6.3	2.0	bc
US14154-4	42-00.0	141-14.2	4/13	1509-1518	223	South-1	NW -1	South-2	6.6	3.0	bc
US14154-5	41-59.9	141-19.9	4/13	1920-1931	305	Calm	WNW-1	Calm	4.9	2.6	bc
US14154-6	42-00.0	141-17.3	4/13	2050-2102	260	Calm	WNW-1	Calm	4.6	2.7	bc
US14154-7	41-59.9	141-19.5	4/13	2131-2145	300	Calm	NW -1	Calm	4.0	2.1	bc
US14154-8	41-59.5	141-15.4	4/13	2340-2351	243	Calm	NW -1	Calm	3.6	2.6	bc
US14155	41-59.5	141-01.9	4/14	0326-0331	102	Calm	NW -1	Calm	2.4	2.5	bc
US14156	41-58.7	141-00.7	4/14	0341-0346	95	Calm	NW -1	Calm	2.1	2.3	bc
US14157	41-58.1	140-59.4	4/14	0355-0400	87	Calm	NW -1	Calm	2.4	2.3	bc
US14158	41-57.3	140-58.2	4/14	0409-0414	79	Calm	NW -1	Calm	2.8	3.4	bc
US14159	42-10.0	140-41.3	4/15	0634-0638	82	Calm	East-1	Calm	6.8	2.8	bc
US14160	42-08.8	140-35.7	4/15	0716-0720	65	West-2	West-1	West-3	9.3	3.3	bc
US14161	42-11.2	140-35.1	4/15	0745-0749	80	SW -2	West-1	SW -3	10.2	3.3	bc
US14162	42-14.2	140-30.4	4/15	0818-0823	81	WSW-3	WSW-1	WSW-5	9.2	3.2	c
US14163	42-16.3	140-36.6	4/15	0904-0909	90	West-1	WSW-1	West-3	9.9	3.9	c
US14164	42-19.0	140-31.0	4/15	1000-1005	94	SW -2	WSW-1	SW -4	9.2	3.8	bc
US14165	42-21.0	140-36.5	4/15	1042-1046	88	SW -1	WSW-1	SW -3	10.3	4.1	c
US14166	42-23.5	140-31.8	4/15	1119-1123	96	SW -4	WSW-1	SW -6	8.6	3.8	c
US14167	42-26.0	140-36.9	4/15	1200-1205	85	SW -3	WSW-1	SW -5	9.1	3.9	c
US14168	42-29.0	140-31.6	4/15	1249-1253	75	SW -3	WSW-1	SW -5	7.9	3.7	o
US14169	42-31.2	140-37.8	4/15	1328-1332	62	SW -3	WSW-1	SW -5	8.1	4.0	o
US14170	42-28.3	140-43.0	4/15	1402-1406	61	SW -3	WSW-1	SW -5	8.2	3.6	o
US14171	42-23.3	140-42.8	4/15	1437-1441	62	West-2	WSW-1	West-3	7.3	3.4	r
US14172	42-25.2	140-48.6	4/15	1510-1513	44	West-2	West-1	West-4	7.6	3.9	o
US14173	42-20.9	140-48.6	4/16	0542-0546	53	WSW-2	West-1	WSW-5	5.3	3.4	bc
US14174	42-15.8	140-47.6	4/16	0620-0623	71	West-3	West-1	West-5	5.4	3.2	bc
US14175	42-18.2	140-42.4	4/16	0653-0557	63	West-3	West-1	West-5	5.9	3.7	bc
US14176	42-13.3	140-41.4	4/16	0757-0802	89	West-3	West-1	West-5	5.9	3.7	bc
US14177	42-10.5	140-46.6	4/16	0830-0836	94	NW -3	West-1	NW -5	5.4	2.8	bc
US14178C	42-06.5	140-49.7	4/17	0610-0613	49	NW -2	NW -1	NW -4	6.0	3.0	bc
US14178B	42-06.8	140-50.1	4/17	0629-0633	62	NW -2	NW -1	NW -4	5.5	2.8	bc
US14178	42-07.0	140-50.3	4/17	0649-0652	70	NW -2	NW -1	NW -4	5.6	2.8	bc
US14179C	42-09.7	140-46.3	4/17	0731-0736	93	West-2	NW -1	West-4	5.7	2.8	bc
US14179B	42-10.1	140-46.9	4/17	0752-0757	95	West-2	NW -1	West-4	5.9	2.9	bc
US14179	42-10.3	140-47.3	4/17	0812-0816	92	NW -2	NW -1	NW -4	5.6	2.9	bc
US14180	42-12.9	140-41.6	4/17	0900-0904	90	NW -1	NW -1	NW -3	6.6	3.7	bc
US14181	42-11.4	140-35.7	4/17	1019-1023	82	NW -1	NW -1	NW -3	7.1	4.0	bc
US14182	42-13.9	140-30.5	4/17	1107-1111	80	NW -3	NW -1	NW -5	8.2	2.8	bc
US14183	42-16.4	140-36.9	4/17	1201-1206	90	West-2	NW -1	West-4	8.8	3.9	bc
US14184	42-18.1	140-41.6	4/17	1250-1253	67	NW -2	NW -1	NW -4	7.9	4.2	bc
US14185	42-20.9	140-36.4	4/17	1333-1338	88	NW -2	NW -1	NW -4	7.0	4.1	bc
US14186	42-19.3	140-30.4	4/17	1416-1420	93	NW -2	NW -1	NW -4	6.6	4.1	bc
US14187	42-19.1	140-23.4	4/17	1506-1509	56	NW -3	NW -1	NW -5	7.5	3.9	bc
US14188	42-23.6	140-31.3	4/17	1608-1613	97	NW -3	NW -1	NW -5	6.9	3.8	bc
US14189	42-26.0	140-37.0	4/17	1656-1702	85	NW -3	NW -1	NW -5	6.5	3.9	bc
US14190	42-20.8	140-48.5	4/18	0501-0505	53	Calm	West-1	Calm	2.8	4.0	bc
US14191	42-17.6	140-53.8	4/18	0551-0554	57	Calm	ESE-1	Calm	3.3	3.1	bc
US14192	42-16.2	140-58.1	4/18	0627-0630	62	WNW-1	ESE-1	WNW-3	3.7	2.5	bc

(\*): Fixed position by Global Positioning System

S.M.T.: Ship's mean time

Wr.: Weather in WMO Code 4501

Table 2. Oceanographic data

STATION US14106				STATION US14107				STATION US14108			
LATITUDE 41-49.1 N				LATITUDE 41-47.0 N				LATITUDE 41-44.0 N			
LONGITUI 141-12.7 E				LONGITUI 141-14.3 E				LONGITUI 141-15.6 E			
DEPTH (m) 129				DEPTH (m) 194				DEPTH (m) 227			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	1.613	32.466	25.969	5	1.679	32.460	25.959	5	1.781	32.490	25.976
10	1.594	32.464	25.969	10	1.619	32.468	25.970	10	1.756	32.507	25.992
20	1.763	32.539	26.018	20	1.660	32.490	25.985	20	1.889	32.547	26.015
30	1.992	32.605	26.053	30	1.866	32.525	25.999	30	2.102	32.590	26.033
40	2.154	32.640	26.070	40	1.958	32.575	26.032	40	2.383	32.631	26.045
50	2.360	32.713	26.112	50	2.293	32.652	26.068	50	2.695	32.712	26.084
75	5.897	33.357	26.267	75	3.206	32.955	26.234	75	5.015	33.226	26.267
100	5.581	33.303	26.263	100	5.824	33.341	26.263	100	6.733	33.460	26.242
				125	6.799	33.507	26.269	125	5.428	33.308	26.285
				150	4.801	33.242	26.304	150	4.349	33.331	26.423
				175	4.372	33.321	26.412	175	4.258	33.389	26.478
								200	3.754	33.406	26.543

STATION US14109				STATION US14110				STATION US14111			
LATITUDE 41-40.8 N				LATITUDE 41-38.3 N				LATITUDE 41-35.2 N			
LONGITUI 141-17.3 E				LONGITUI 141-18.7 E				LONGITUI 141-20.4 E			
DEPTH (m) 232				DEPTH (m) 214				DEPTH (m) 305			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	2.124	32.575	26.020	5	2.273	32.616	26.042	5	2.022	32.562	26.017
10	2.121	32.577	26.021	10	2.264	32.619	26.045	10	2.024	32.561	26.016
20	2.190	32.606	26.040	20	2.262	32.622	26.048	20	2.022	32.564	26.019
30	2.288	32.637	26.057	30	2.304	32.644	26.062	30	2.026	32.567	26.021
40	2.741	32.718	26.085	40	2.369	32.676	26.082	40	2.039	32.572	26.024
50	3.255	32.896	26.183	50	2.492	32.685	26.079	50	2.065	32.583	26.031
75	6.776	33.472	26.245	75	3.090	32.848	26.160	75	3.703	33.038	26.255
100	5.597	33.325	26.278	100	4.998	33.210	26.257	100	4.193	33.180	26.319
125	4.044	33.286	26.418	125	4.616	33.332	26.395	125	4.625	33.629	26.630
150	3.661	33.434	26.574	150	4.337	33.407	26.484	150	4.636	33.646	26.643
175	3.346	33.474	26.635	175	3.690	33.440	26.576	175	4.558	33.645	26.650
200	3.283	33.495	26.658	200	3.536	33.608	26.725	200	4.322	33.681	26.704
								250	4.191	33.928	26.914

STATION US14112				STATION US14113				STATION US14114			
LATITUDE 41-29.6 N				LATITUDE 41-26.5 N				LATITUDE 41-23.0 N			
LONGITUI 141-39.2 E				LONGITUI 141-35.0 E				LONGITUI 141-34.6 E			
DEPTH (m) 598				DEPTH (m) 380				DEPTH (m) 370			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	1.422	32.449	25.968	5	2.476	32.679	26.076	5	2.274	32.642	26.062
10	1.420	32.450	25.969	10	2.481	32.681	26.078	10	2.277	32.643	26.063
20	1.505	32.488	25.994	20	2.500	32.688	26.081	20	2.329	32.661	26.073
30	2.657	32.788	26.148	30	2.497	32.691	26.084	30	2.411	32.691	26.091
40	2.791	32.794		40	2.492	32.690	26.083	40	2.615	32.765	26.133
50	3.009	32.888	26.198	50	2.493	32.703	26.094	50	2.785	32.875	26.207
75	5.607	33.668	26.548	75	3.587	33.139	26.346	75	4.221	33.305	26.416
100	5.840	33.690	26.537	100	4.406	33.395	26.468	100	4.704	33.449	26.479
125	5.841	33.698	26.544	125	4.599	33.473	26.509	125	4.787	33.483	26.497
150	5.822	33.703	26.550	150	4.611	33.488	26.519	150	4.749	33.496	26.511
175	5.832	33.706	26.551	175	4.661	33.516	26.536	175	4.918	33.553	26.537
200	5.547	33.653	26.544	200	4.718	33.531	26.542	200	5.059	33.590	26.551
250	5.410	33.723	26.615	250	4.783	33.570	26.566	250	5.221	33.616	26.553
300	4.503	33.629	26.643	300	4.680	33.624	26.620	300	5.451	33.659	26.560
400	2.706	33.557	26.759								
500	3.135	33.740	26.867								

STATION US14115				STATION US14116				STATION US14117			
LATITUDE 41-29.6 N				LATITUDE 41-29.9 N				LATITUDE 41-27.5 N			
LONGITUI 141-34.7 E				LONGITUI 141-30.2 E				LONGITUI 141-24.4 E			
DEPTH (m) 141				DEPTH (m) 66				DEPTH (m) 49			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	1.456	32.470	25.983	5	2.012	32.603	26.051	5	2.231	32.724	26.131
10	3.192	33.051	26.312	10	2.021	32.609	26.055	10	2.261	32.740	26.142
20	3.781	33.156	26.341	20	2.394	32.737	26.128	20	4.502	33.738	26.730
30	3.729	33.139	26.333	30	3.973	33.578	26.658	30	4.838	33.867	26.796
40	3.639	33.137	26.340	40	4.533	33.797	26.773	40	4.669	33.957	26.885
50	3.678	33.144	26.341	50	4.542	33.790	26.767				
75	3.734	33.217	26.394								
100	3.746	33.200	26.380								
125	4.275	33.476	26.545								



Table 2. (Continued)

STATION US14118				STATION US14119				STATION US14120			
LATITUDE 41-28.7 N				LATITUDE 41-30.0 N				LATITUDE 41-27.0 N			
LONGITUI 141-23.6 E				LONGITUI 141-21.0 E				LONGITUI 141-20.9 E			
DEPTH (m) 86				DEPTH (m) 232				DEPTH (m) 85			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	1.920	32.636	26.084	5	2.082	32.680	26.107	5	2.247	32.725	26.130
10	1.932	32.644	26.089	10	3.145	33.421	26.611	10	2.318	32.764	26.156
20	4.027	33.555	26.634	20	4.354	33.585	26.624	20	4.005	33.444	26.548
30	4.895	33.753	26.698	30	4.235	33.684	26.715	30	4.575	33.737	26.721
40	4.509	33.658	26.666	40	3.807	33.655	26.735	40	4.815	33.848	26.783
50	4.519	33.923	26.875	50	3.535	33.713	26.808	50	3.973	33.917	26.927
75	4.124	33.974	26.958	75	3.934	33.861	26.887	75	3.922	33.938	26.949
				100	3.690	33.914	26.953				
				125	3.046	33.957	27.048				
				150	2.946	33.982	27.078				
				175	2.955	33.989	27.082				
STATION US14121				STATION US14122				STATION US14123			
LATITUDE 41-32.0 N				LATITUDE 41-27.5 N				LATITUDE 41-35.0 N			
LONGITUI 141-21.9 E				LONGITUI 141-16.4 E				LONGITUI 140-53.4 E			
DEPTH (m) 261				DEPTH (m) 134				DEPTH (m) 41			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	3.441	33.137	26.358	5	2.501	32.792	26.165	5	6.546	33.963	26.663
10	3.807	33.287	26.443	10	2.511	32.808	26.176	10	6.336	33.930	26.664
20	4.203	33.425	26.513	20	2.904	33.064	26.348	20	5.661	33.960	26.773
30	4.184	33.503	26.577	30	4.435	33.829	26.809	30	5.609	33.969	26.786
40	4.052	33.537	26.617	40	4.053	33.803	26.828				
50	3.774	33.532	26.641	50	3.683	33.867	26.916				
75	3.925	33.781	26.824	75	3.447	33.914	26.977				
100	3.501	33.815	26.893	100	3.102	33.944	27.033				
125	3.515	33.905	26.963	125	3.096	33.949	27.037				
150	3.114	33.940	27.028								
175	2.785	33.990	27.098								
200	2.793	33.994	27.100								
STATION US14124				STATION US14125				STATION US14126			
LATITUDE 41-36.9 N				LATITUDE 41-38.7 N				LATITUDE 41-40.8 N			
LONGITUI 140-51.3 E				LONGITUI 140-49.4 E				LONGITUI 140-47.3 E			
DEPTH (m) 94				DEPTH (m) 333				DEPTH (m) 230			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	5.894	33.983	26.763	5	5.564	33.999	26.816	5	4.429	33.678	26.690
10	5.869	33.973	26.757	10	5.527	33.982	26.806	10	4.432	33.682	26.693
20	5.242	33.948	26.813	20	5.366	33.959	26.808	20	4.506	33.707	26.705
30	4.807	33.972	26.882	30	5.052	33.977	26.858	30	4.612	33.736	26.716
40	4.644	33.984	26.910	40	4.847	33.974	26.879	40	4.582	33.821	26.787
50	4.438	33.997	26.943	50	4.598	33.963	26.898	50	4.553	33.890	26.845
75	4.265	33.984	26.951	75	4.317	33.998	26.956	75	3.760	33.948	26.973
				100	3.931	34.001	26.998	100	3.167	33.971	27.048
				125	2.889	33.982	27.082	125	2.505	33.992	27.124
				150	2.548	34.014	27.137	150	2.145	34.017	27.173
				175	2.400	34.015	27.150	175	1.999	34.023	27.189
				200	2.436	34.023	27.154	200	1.834	34.020	27.199
				250	2.344	34.021	27.160				
				300	1.739	34.029	27.214				
STATION US14127				STATION US14128				STATION US14129			
LATITUDE 41-42.7 N				LATITUDE 41-28.5 N				LATITUDE 42-06.6 N			
LONGITUI 140-44.9 E				LONGITUI 140-17.4 E				LONGITUI 140-49.8 E			
DEPTH (m) 87				DEPTH (m) 33				DEPTH (m) 38			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	2.065	32.556	26.009	5	3.006	32.899	26.208	5	2.009	32.657	26.094
10	2.078	32.580	26.028	10	3.327	33.097	26.337	10	2.007	32.659	26.096
20	3.037	33.239	26.476	20	4.386	33.602	26.634	20	2.012	32.661	26.097
30	3.212	33.347	26.546	30	4.431	33.611	26.636	30	2.020	32.666	26.101
40	3.637	33.574	26.688								
50	3.990	33.709	26.760								
75	4.257	33.911	26.893								

Table 2 (Continued)

STATION US14130			
LATITUDE 42-06.8 N			
LONGITUI 140-50.1 E			
DEPTH (m) 64			
Press.	Temp.	Salinity	Sigma-T
5	2.019	32.678	26.110
10	2.019	32.680	26.111
20	2.018	32.681	26.112
30	2.041	32.692	26.120
40	2.058	32.698	26.123
50	2.078	32.705	26.127

STATION US14131			
LATITUDE 42-07.0 N			
LONGITUI 140-50.4 E			
DEPTH (m) 69			
Press.	Temp.	Salinity	Sigma-T
5	1.821	32.604	26.065
10	1.925	32.676	26.116
20	2.001	32.676	26.110
30	2.044	32.685	26.114
40	2.054	32.692	26.119
50	2.074	32.698	26.122

STATION US14132			
LATITUDE 42-09.7 N			
LONGITUI 140-46.1 E			
DEPTH (m) 92			
Press.	Temp.	Salinity	Sigma-T
5	1.530	32.533	26.029
10	1.531	32.534	26.029
20	1.626	32.585	26.063
30	2.139	32.796	26.196
40	2.491	32.885	26.240
50	2.736	32.962	26.281
75	3.143	33.089	26.347

STATION US14133			
LATITUDE 42-10.1 N			
LONGITUI 140-46.7 E			
DEPTH (m) 96			
Press.	Temp.	Salinity	Sigma-T
5	1.629	32.558	26.042
10	1.625	32.561	26.044
20	1.735	32.610	26.076
30	1.824	32.641	26.095
40	2.728	32.965	26.284
50	2.782	32.982	26.293
75	3.111	33.101	26.360

STATION US14134			
LATITUDE 42-10.4 N			
LONGITUI 140-47.2 E			
DEPTH (m) 92			
Press.	Temp.	Salinity	Sigma-T
5	1.690	32.577	26.053
10	1.694	32.580	26.055
20	1.854	32.649	26.099
30	1.901	32.659	26.104
40	2.672	32.962	26.286
50	2.781	32.986	26.296
75	3.336	33.136	26.367

STATION US14135			
LATITUDE 42-13.0 N			
LONGITUI 140-41.7 E			
DEPTH (m) 90			
Press.	Temp.	Salinity	Sigma-T
5	1.762	32.530	26.010
10	1.759	32.530	26.011
20	2.115	32.783	26.187
30	2.416	32.858	26.224
40	2.457	32.870	26.231
50	2.570	32.915	26.257
75	3.344	33.177	26.399

STATION US14136			
LATITUDE 42-11.6 N			
LONGITUI 140-35.2 E			
DEPTH (m) 83			
Press.	Temp.	Salinity	Sigma-T
5	1.801	32.618	26.078
10	1.808	32.627	26.085
20	1.987	32.700	26.131
30	2.240	32.810	26.199
40	2.450	32.877	26.236
50	2.783	32.998	26.306
75	4.517	33.493	26.534

STATION US14137			
LATITUDE 42-14.0 N			
LONGITUI 140-30.3 E			
DEPTH (m) 81			
Press.	Temp.	Salinity	Sigma-T
5	2.092	32.729	26.146
10	2.192	32.777	26.176
20	2.194	32.794	26.190
30	2.213	32.811	26.202
40	2.334	32.841	26.217
50	2.921	33.011	26.305
75	3.950	33.346	26.475

STATION US14138			
LATITUDE 42-16.3 N			
LONGITUI 140-35.4 E			
DEPTH (m) 92			
Press.	Temp.	Salinity	Sigma-T
5	1.757	32.528	26.009
10	1.771	32.532	26.011
20	1.780	32.573	26.043
30	2.526	32.973	26.307
40	3.134	33.106	26.362
50	3.821	33.293	26.446
75	4.547	33.479	26.519

STATION US14139			
LATITUDE 42-18.4 N			
LONGITUI 140-41.9 E			
DEPTH (m) 67			
Press.	Temp.	Salinity	Sigma-T
5	1.755	32.495	25.983
10	1.768	32.498	25.984
20	1.779	32.506	25.989
30	1.864	32.615	26.071
40	3.444	33.224	26.428
50	4.483	33.476	26.524

STATION US14140			
LATITUDE 42-25.9 N			
LONGITUI 140-37.9 E			
DEPTH (m) 83			
Press.	Temp.	Salinity	Sigma-T
5	1.576	32.437	25.948
10	1.580	32.436	25.947
20	1.590	32.439	25.949
30	1.649	32.460	25.962
40	2.853	33.038	26.332
50	2.956	33.061	26.341
75	4.620	33.532	26.553

STATION US14141			
LATITUDE 42-24.5 N			
LONGITUI 140-32.9 E			
DEPTH (m) 95			
Press.	Temp.	Salinity	Sigma-T
5	1.748	32.589	26.058
10	1.750	32.588	26.058
20	1.830	32.641	26.094
30	2.885	33.043	26.333
40	2.895	33.043	26.332
50	2.971	33.062	26.341
75	4.379	33.469	26.529

STATION US14142			
LATITUDE 42-19.4 N			
LONGITUI 140-24.2 E			
DEPTH (m) 62			
Press.	Temp.	Salinity	Sigma-T
5	1.825	32.600	26.062
10	1.824	32.601	26.063
20	2.824	32.972	26.282
30	2.958	32.994	26.287
40	2.876	33.057	26.345
50	3.549	33.310	26.486

STATION US14143			
LATITUDE 42-19.3 N			
LONGITUI 140-30.5 E			
DEPTH (m) 94			
Press.	Temp.	Salinity	Sigma-T
5	1.857	32.633	26.086
10	1.847	32.634	26.087
20	1.844	32.632	26.086
30	2.616	32.955	26.285
40	2.838	33.044	26.338
50	3.052	33.105	26.368
75	4.549	33.478	26.518

STATION US14144			
LATITUDE 42-20.8 N			
LONGITUI 140-36.6 E			
DEPTH (m) 88			
Press.	Temp.	Salinity	Sigma-T
5	1.719	32.501	25.990
10	1.691	32.500	25.991
20	1.687	32.501	25.992
30	1.719	32.515	26.001
40	2.801	33.039	26.337
50	2.922	33.047	26.333
75	3.743	33.306	26.464

Table 2 (Continued)

STATION US14145				STATION US14146				STATION US14147			
LATITUDE 41-59.6 N				LATITUDE 41-58.7 N				LATITUDE 41-58.0 N			
LONGITUI 141-01.8 E				LONGITUI 141-00.6 E				LONGITUI 140-59.4 E			
DEPTH (m) 100				DEPTH (m) 94				DEPTH (m) 87			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	0.572	32.226	25.839	5	0.537	32.215	25.832	5	0.573	32.226	25.839
10	0.524	32.229	25.844	10	0.478	32.221	25.840	10	0.526	32.232	25.847
20	0.515	32.236	25.850	20	0.494	32.232	25.848	20	0.503	32.234	25.849
30	0.508	32.239	25.853	30	0.496	32.235	25.851	30	0.495	32.241	25.856
40	0.502	32.248	25.861	40	0.648	32.362	25.944	40	1.029	32.459	26.001
50	0.769	32.459	26.016	50	1.717	32.617	26.083	50	1.800	32.762	26.193
75	2.171	32.767	26.170	75	2.881	32.926	26.240	75	3.744	33.089	26.292

STATION US14148				STATION US14149				STATION US14150			
LATITUDE 41-57.3 N				LATITUDE 41-42.8 N				LATITUDE 41-40.8 N			
LONGITUI 140-58.1 E				LONGITUI 140-44.8 E				LONGITUI 140-47.3 E			
DEPTH (m) 77				DEPTH (m) 84				DEPTH (m) 228			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	0.657	32.270	25.870	5	7.282	33.939	26.544	5	8.009	33.922	26.426
10	0.658	32.271	25.870	10	7.280	33.945	26.549	10	7.867	33.940	26.461
20	0.627	32.288	25.886	20	7.264	33.945	26.551	20	7.725	33.946	26.486
30	0.707	32.320	25.907	30	7.240	33.948	26.557	30	7.673	33.951	26.498
40	1.203	32.490	26.015	40	7.200	33.950	26.564	40	7.423	33.952	26.534
50	2.320	32.763	26.155	50	7.034	33.952	26.589	50	7.257	33.929	26.540
				75	6.990	33.960	26.601	75	6.961	33.949	26.596
								100	6.741	33.947	26.625
								125	6.618	33.959	26.651
								150	6.424	33.964	26.680
								175	6.363	33.971	26.693
								200	6.362	33.971	26.693

STATION US14151				STATION US14152				STATION US14153			
LATITUDE 41-38.8 N				LATITUDE 41-37.1 N				LATITUDE 41-35.9 N			
LONGITUI 140-49.3 E				LONGITUI 140-51.2 E				LONGITUI 140-52.7 E			
DEPTH (m) 344				DEPTH (m) 98				DEPTH (m) 39			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	8.402	33.854	26.313	5	8.403	33.846	26.307	5	8.317	33.856	26.328
10	8.389	33.914	26.363	10	8.315	33.876	26.344	10	8.322	33.855	26.327
20	8.257	33.923	26.389	20	8.278	33.879	26.352	20	8.289	33.861	26.336
30	8.176	33.923	26.402	30	8.213	33.871	26.355	30	8.285	33.863	26.338
40	8.172	33.925	26.404	40	8.181	33.880	26.367				
50	8.153	33.931	26.412	50	8.165	33.887	26.376				
75	7.867	33.941	26.461	75	8.130	33.898	26.389				
100	7.734	33.949	26.487								
125	7.567	33.948	26.511								
150	7.000	33.958	26.598								
175	6.585	33.952	26.649								
200	6.169	33.974	26.721								
250	5.803	33.960	26.756								
300	5.092	33.995	26.868								

STATION US14154				STATION US14155				STATION US14156			
LATITUDE 42-00.4 N				LATITUDE 41-59.5 N				LATITUDE 41-58.7 N			
LONGITUI 141-19.7 E				LONGITUI 141-01.9 E				LONGITUI 141-00.7 E			
DEPTH (m) 310				DEPTH (m) 102				DEPTH (m) 95			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	1.280	32.168	25.752	5	2.594	32.375	25.824	5	2.602	32.388	25.834
10	1.274	32.171	25.754	10	2.582	32.374	25.824	10	2.595	32.388	25.834
20	1.242	32.239	25.811	20	2.321	32.366	25.838	20	2.191	32.391	25.868
30	0.288	32.477	26.056	30	2.150	32.354	25.841	30	2.233	32.386	25.861
40	0.962	32.757	26.244	40	1.632	32.386	25.904	40	1.925	32.339	25.846
50	1.384	32.969	26.388	50	1.243	32.506	26.025	50	1.273	32.509	26.025
75	2.623	33.243	26.514	75	2.625	32.996	26.317	75	2.651	33.035	26.346
100	4.427	33.433	26.496								
125	4.631	33.492	26.521								
150	4.298	33.506	26.567								
175	5.143	33.682	26.614								
200	4.970	33.656	26.613								
250	5.420	33.795	26.671								

Table 2 (Continued)

STATION US14157				STATION US14158				STATION US14159			
LATITUDE 41-58.1 N				LATITUDE 41-57.3 N				LATITUDE 42-10.0 N			
LONGITUI 140-59.4 E				LONGITUI 140-58.2 E				LONGITUI 140-41.3 E			
DEPTH (m) 87				DEPTH (m) 79				DEPTH (m) 82			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	2.144	32.355	25.842	5	4.071	32.057	25.439	5	3.056	32.330	25.749
10	2.144	32.356	25.843	10	3.646	32.198	25.592	10	3.026	32.328	25.750
20	2.145	32.355	25.842	20	2.724	32.257	25.719	20	2.763	32.344	25.785
30	2.156	32.361	25.846	30	2.132	32.331	25.824	30	2.341	32.340	25.816
40	2.225	32.390	25.865	40	2.060	32.338	25.835	40	2.574	32.278	25.748
50	1.249	32.537	26.050	50	2.161	32.427	25.899	50	1.757	32.585	26.054
75	2.954	33.146	26.409	75	3.303	33.237	26.451	75	4.099	33.448	26.541
STATION US14160				STATION US14161				STATION US14162			
LATITUDE 42-08.8 N				LATITUDE 42-11.2 N				LATITUDE 42-14.2 N			
LONGITUI 140-35.7 E				LONGITUI 140-35.1 E				LONGITUI 140-30.4 E			
DEPTH (m) 65				DEPTH (m) 80				DEPTH (m) 81			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	3.876	32.241	25.604	5	3.383	32.314	25.708	5	3.544	32.366	25.734
10	3.789	32.261	25.628	10	3.271	32.321	25.723	10	3.466	32.360	25.737
20	2.889	32.357	25.785	20	2.723	32.336	25.782	20	3.040	32.406	25.811
30	2.629	32.355	25.805	30	2.519	32.347	25.807	30	3.088	32.504	25.885
40	2.045	32.634	26.073	40	2.214	32.362	25.843	40	2.572	32.581	25.990
50	2.093	32.713	26.133	50	1.979	32.506	25.975	50	2.189	32.713	26.126
				75	4.375	33.495	26.551	75	4.153	33.422	26.515
STATION US14163				STATION US14164				STATION US14165			
LATITUDE 42-16.3 N				LATITUDE 42-19.0 N				LATITUDE 42-21.0 N			
LONGITUI 140-36.6 E				LONGITUI 140-31.0 E				LONGITUI 140-36.5 E			
DEPTH (m) 90				DEPTH (m) 94				DEPTH (m) 88			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	4.144	32.383	25.691	5	4.070	32.481	25.776	5	4.086	32.458	25.756
10	4.082	32.397	25.708	10	4.062	32.481	25.776	10	3.971	32.459	25.768
20	3.846	32.445	25.769	20	3.579	32.481	25.823	20	3.890	32.477	25.790
30	3.571	32.478	25.821	30	3.546	32.488	25.832	30	2.827	32.561	25.953
40	3.473	32.493	25.842	40	2.733	32.534	25.940	40	2.373	32.676	26.081
50	2.365	32.584	26.009	50	2.377	32.596	26.018	50	2.537	32.845	26.203
75	3.978	33.418	26.530	75	3.595	33.286	26.462	75	3.429	33.170	26.386
STATION US14166				STATION US14167				STATION US14168			
LATITUDE 42-23.5 N				LATITUDE 42-26.0 N				LATITUDE 42-29.0 N			
LONGITUI 140-31.8 E				LONGITUI 140-36.9 E				LONGITUI 140-31.6 E			
DEPTH (m) 96				DEPTH (m) 85				DEPTH (m) 75			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	4.174	32.435	25.729	5	4.212	32.443	25.731	5	4.034	32.475	25.774
10	4.169	32.435	25.729	10	4.107	32.445	25.744	10	3.946	32.460	25.772
20	3.995	32.452	25.760	20	3.881	32.471	25.786	20	3.690	32.468	25.803
30	3.671	32.465	25.801	30	2.995	32.531	25.915	30	3.151	32.454	25.840
40	2.895	32.527	25.920	40	2.889	32.558	25.946	40	2.379	32.710	26.108
50	2.423	32.654	26.061	50	2.032	32.647	26.084	50	2.580	32.887	26.234
75	3.461	33.189	26.398	75	3.837	33.304	26.453				
STATION US14169				STATION US14170				STATION US14171			
LATITUDE 42-31.2 N				LATITUDE 42-28.3 N				LATITUDE 42-23.3 N			
LONGITUI 140-37.8 E				LONGITUI 140-43.0 E				LONGITUI 140-42.8 E			
DEPTH (m) 62				DEPTH (m) 61				DEPTH (m) 62			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	4.290	32.352	25.651	5	3.657	32.511	25.839	5	3.853	32.380	25.717
10	3.705	32.348	25.705	10	3.485	32.523	25.865	10	3.497	32.333	25.713
20	2.682	32.637	26.026	20	2.741	32.570	25.967	20	3.119	32.351	25.761
30	2.058	32.651	26.086	30	2.067	32.642	26.078	30	1.752	32.492	25.981
40	2.138	32.732	26.144	40	2.109	32.717	26.135	40	1.856	32.608	26.066
50	2.557	32.891	26.239	50	2.327	32.824	26.203	50	2.540	32.943	26.281

Table 2 (Continued)

STATION US14172				STATION US14173				STATION US14174			
LATITUDE 42-25.2 N				LATITUDE 42-20.9 N				LATITUDE 42-15.8 N			
LONGITUI 140-48.6 E				LONGITUI 140-48.6 E				LONGITUI 140-47.6 E			
DEPTH (m) 44				DEPTH (m) 53				DEPTH (m) 71			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	3.859	32.232	25.599	5	3.765	32.286	25.650	5	3.501	32.393	25.760
10	3.592	32.310	25.685	10	3.788	32.339	25.690	10	3.492	32.390	25.759
20	2.719	32.339	25.785	20	3.488	32.481	25.831	20	3.078	32.381	25.788
30	2.427	32.610	26.025	30	1.966	32.518	25.986	30	2.809	32.420	25.842
				40	2.015	32.682	26.114	40	2.464	32.462	25.904
								50	2.288	32.739	26.138
STATION US14175				STATION US14176				STATION US14177			
LATITUDE 42-18.2 N				LATITUDE 42-13.3 N				LATITUDE 42-10.5 N			
LONGITUI 140-42.4 E				LONGITUI 140-41.4 E				LONGITUI 140-46.6 E			
DEPTH (m) 63				DEPTH (m) 89				DEPTH (m) 94			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	4.000	32.454	25.761	5	3.973	32.389	25.712	5	3.072	32.358	25.770
10	4.000	32.454	25.761	10	3.957	32.384	25.710	10	3.058	32.357	25.771
20	3.982	32.454	25.763	20	3.672	32.387	25.740	20	2.987	32.373	25.790
30	2.845	32.444	25.858	30	3.536	32.482	25.828	30	2.555	32.355	25.811
40	2.073	32.624	26.063	40	2.897	32.470	25.874	40	2.030	32.408	25.893
50	2.299	32.767	26.160	50	2.424	32.689	26.088	50	2.656	32.879	26.221
				75	3.980	33.389	26.506	75	4.316	33.469	26.536
STATION US14178				STATION US14179				STATION US14180			
LATITUDE 42-07.0 N				LATITUDE 42-10.3 N				LATITUDE 42-12.9 N			
LONGITUI 140-50.3 E				LONGITUI 140-47.3 E				LONGITUI 140-41.6 E			
DEPTH (m) 70				DEPTH (m) 92				DEPTH (m) 90			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	3.006	32.362	25.779	5	3.110	32.374	25.780	5	4.124	32.438	25.737
10	2.972	32.360	25.780	10	3.078	32.371	25.780	10	3.983	32.418	25.734
20	2.867	32.364	25.792	20	2.649	32.374	25.819	20	3.874	32.407	25.736
30	2.842	32.363	25.794	30	2.538	32.384	25.835	30	3.353	32.419	25.795
40	2.780	32.400	25.828	40	2.313	32.396	25.862	40	2.255	32.363	25.840
50	2.766	32.669	26.045	50	2.357	32.693	26.096	50	2.622	32.519	25.936
				75	3.106	33.177	26.420	75	3.999	33.418	26.528
STATION US14181				STATION US14182				STATION US14183			
LATITUDE 42-11.4 N				LATITUDE 42-13.9 N				LATITUDE 42-16.4 N			
LONGITUI 140-35.7 E				LONGITUI 140-30.5 E				LONGITUI 140-36.9 E			
DEPTH (m) 82				DEPTH (m) 80				DEPTH (m) 90			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	4.150	32.406	25.709	5	3.186	32.350	25.754	5	4.213	32.392	25.691
10	3.732	32.387	25.734	10	3.159	32.338	25.747	10	4.123	32.400	25.706
20	3.619	32.389	25.746	20	3.097	32.340	25.754	20	3.520	32.439	25.795
30	3.238	32.360	25.758	30	2.988	32.343	25.765	30	2.682	32.527	25.938
40	2.631	32.441	25.873	40	2.282	32.379	25.852	40	2.185	32.622	26.053
50	2.004	32.428	25.911	50	2.259	32.608	26.036	50	2.298	32.770	26.163
75	4.306	33.458	26.528	75	4.554	33.489	26.527	75	3.717	33.287	26.452
STATION US14184				STATION US14185				STATION US14186			
LATITUDE 42-18.1 N				LATITUDE 42-20.9 N				LATITUDE 42-19.3 N			
LONGITUI 140-41.6 E				LONGITUI 140-36.4 E				LONGITUI 140-30.4 E			
DEPTH (m) 67				DEPTH (m) 88				DEPTH (m) 93			
Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T	Press.	Temp.	Salinity	Sigma-T
5	4.201	32.471	25.755	5	4.388	32.431	25.704	5	4.301	32.453	25.730
10	3.855	32.450	25.772	10	4.305	32.424	25.707	10	4.262	32.449	25.731
20	3.311	32.464	25.834	20	4.081	32.408	25.717	20	4.215	32.448	25.735
30	2.769	32.617	26.002	30	3.782	32.428	25.762	30	4.033	32.419	25.730
40	2.120	32.654	26.083	40	2.726	32.585	25.980	40	2.932	32.554	25.939
50	2.652	32.944	26.274	50	2.068	32.693	26.118	50	2.469	32.683	26.079
				75	3.904	33.334	26.470	75	3.475	33.264	26.456

Table 2 (Continued)

STATION US14187			
LATITUDE 42-19.1 N			
LONGITUI 140-23.4 E			
DEPTH (m) 56			
Press.	Temp.	Salinity	Sigma-T
5	3.968	32.439	25.752
10	3.932	32.443	25.759
20	3.832	32.450	25.774
30	3.443	32.416	25.783
40	2.578	32.571	25.981
50	2.462	32.856	26.219

STATION US14188			
LATITUDE 42-23.6 N			
LONGITUI 140-31.3 E			
DEPTH (m) 97			
Press.	Temp.	Salinity	Sigma-T
5	4.170	32.469	25.757
10	4.141	32.467	25.758
20	3.974	32.470	25.776
30	3.758	32.461	25.790
40	2.944	32.536	25.923
50	2.508	32.592	26.004
75	3.205	33.088	26.341

STATION US14189			
LATITUDE 42-26.0 N			
LONGITUI 140-37.0 E			
DEPTH (m) 85			
Press.	Temp.	Salinity	Sigma-T
5	4.198	32.431	25.724
10	4.182	32.430	25.724
20	4.046	32.429	25.737
30	3.502	32.464	25.817
40	2.947	32.505	25.898
50	2.160	32.655	26.081
75	3.598	33.253	26.436

STATION US14190			
LATITUDE 42-20.8 N			
LONGITUI 140-48.5 E			
DEPTH (m) 53			
Press.	Temp.	Salinity	Sigma-T
5	3.834	32.354	25.698
10	3.850	32.372	25.711
20	2.596	32.376	25.824
30	1.650	32.453	25.956
40	2.027	32.674	26.107
50	2.668	32.933	26.264

STATION US14191			
LATITUDE 42-17.6 N			
LONGITUI 140-53.8 E			
DEPTH (m) 57			
Press.	Temp.	Salinity	Sigma-T
5	3.354	32.434	25.806
10	2.710	32.447	25.872
20	2.548	32.575	25.987
30	2.115	32.706	26.126
40	2.475	32.878	26.235
50	2.558	32.922	26.264

STATION US14192			
LATITUDE 42-16.2 N			
LONGITUI 140-58.1 E			
DEPTH (m) 62			
Press.	Temp.	Salinity	Sigma-T
5	2.806	32.532	25.932
10	2.823	32.541	25.938
20	2.726	32.574	25.972
30	1.782	32.514	25.996
40	1.618	32.697	26.154
50	2.249	32.851	26.232