



HOKKAIDO UNIVERSITY

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).

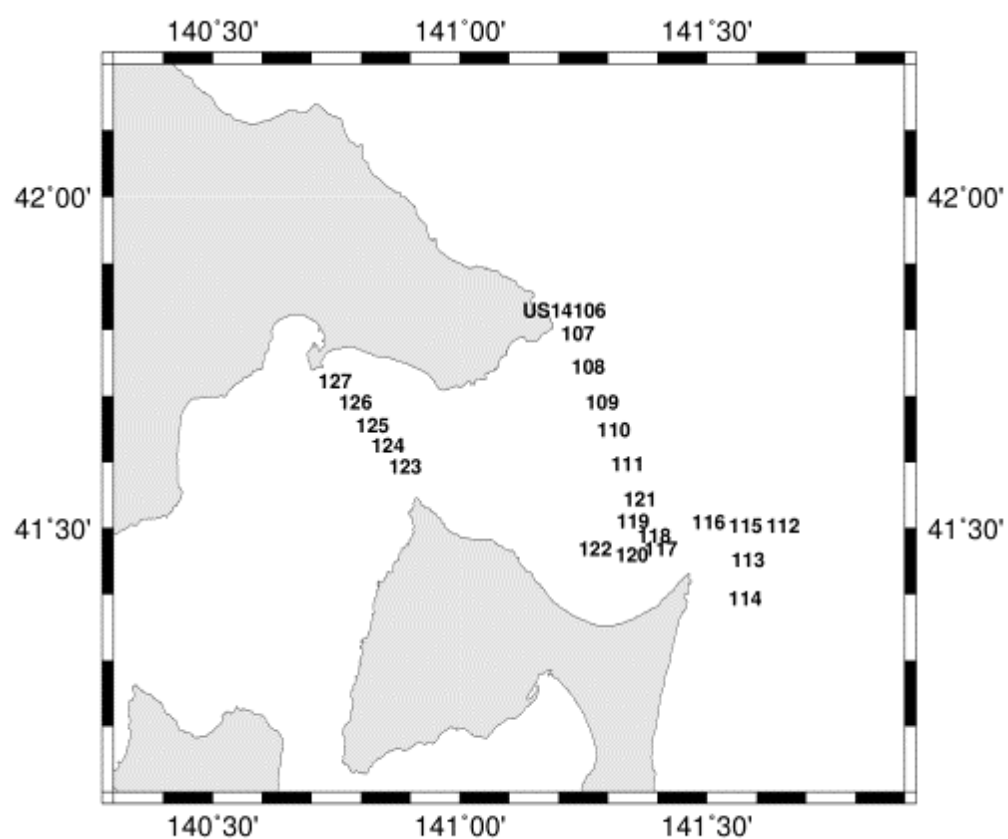


Figure 1. Oceanographic stations (Cruise 303)

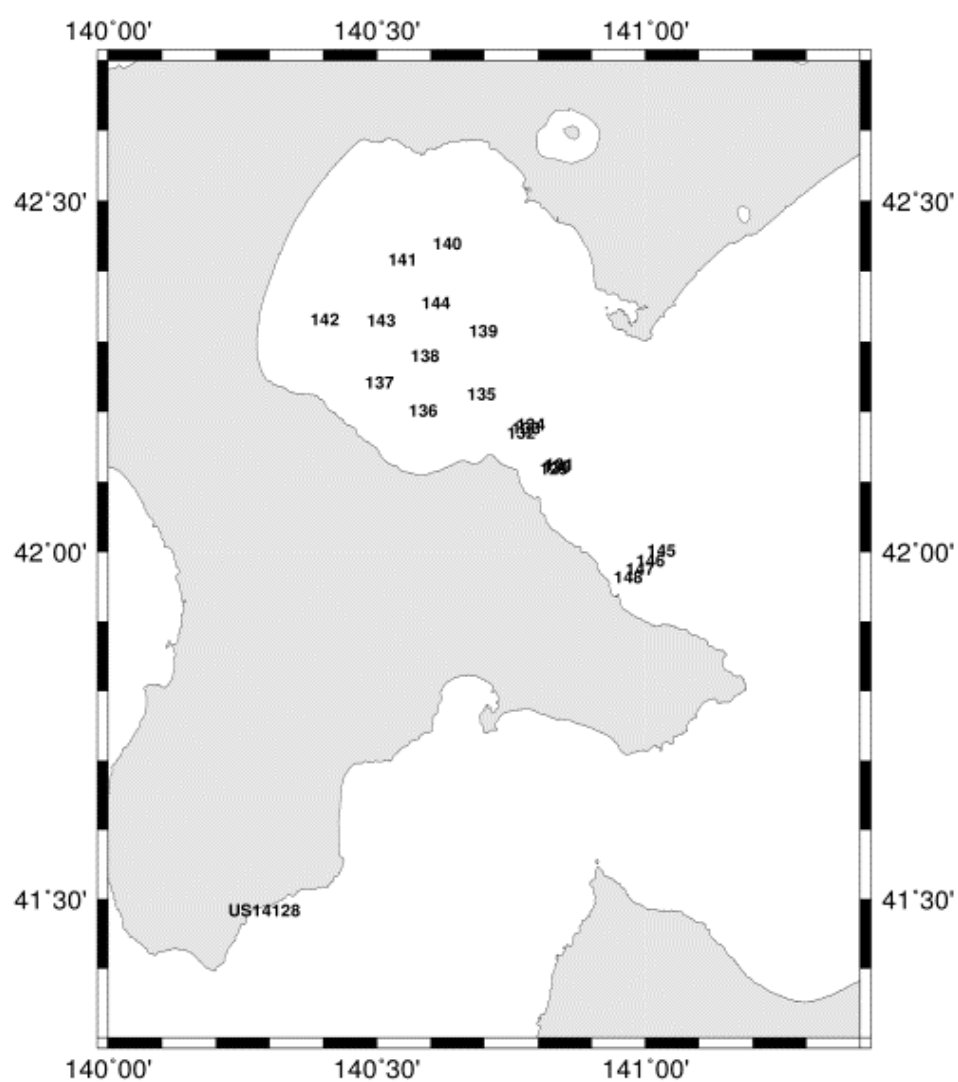


Figure 2. Oceanographic stations (Cruise 304)

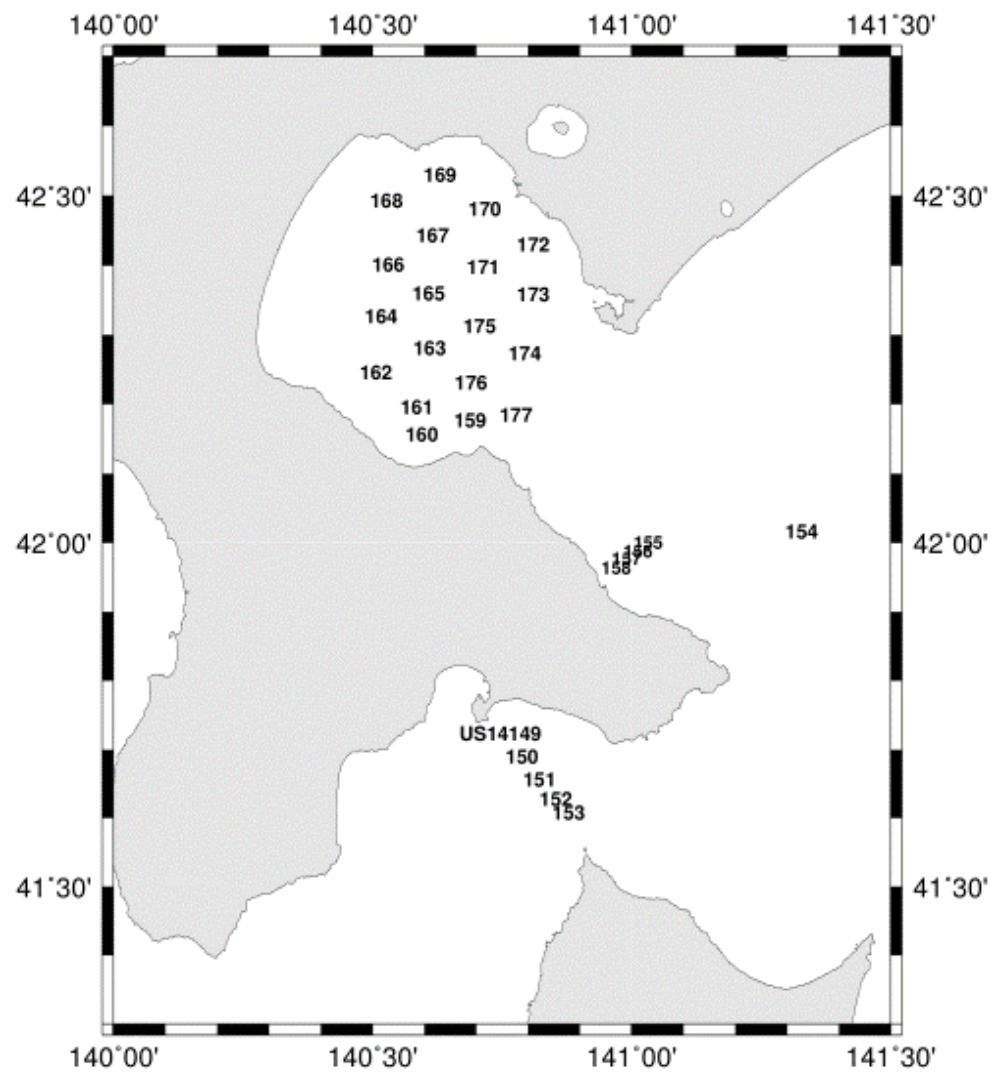


Figure 3. Oceanographic stations (Cruise 305)

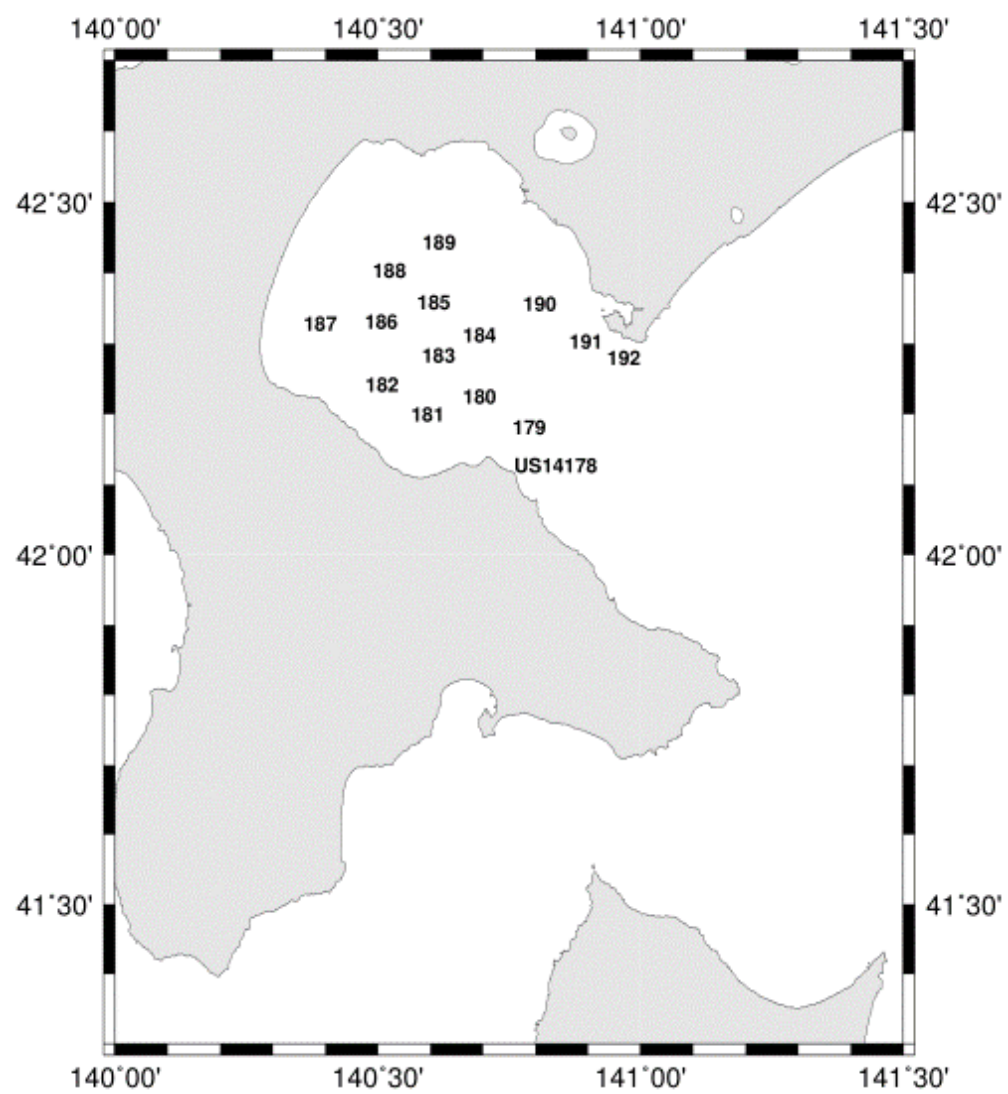


Figure 4. Oceanographic stations (Cruise 305)

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			
LATITUDE 41-49.1 N			
LONGITUI 141-12.7 E			
DEPTH (m) 129			
Press.	Temp.	Salinity	Sigma-T
5	1.613	32.466	25.969
10	1.594	32.464	25.969
20	1.763	32.539	26.018
30	1.992	32.605	26.053
40	2.154	32.640	26.070
50	2.360	32.713	26.112
75	5.897	33.357	26.267
100	5.581	33.303	26.263

STATION US14107			
LATITUDE 41-47.0 N			
LONGITUI 141-14.3 E			
DEPTH (m) 194			
Press.	Temp.	Salinity	Sigma-T
5	1.679	32.460	25.959
10	1.619	32.468	25.970
20	1.660	32.490	25.985
30	1.866	32.525	25.999
40	1.958	32.575	26.032
50	2.293	32.652	26.068
75	3.206	32.955	26.234
100	5.824	33.341	26.263
125	6.799	33.507	26.269
150	4.801	33.242	26.304
175	4.372	33.321	26.412

STATION US14108			
LATITUDE 41-44.0 N			
LONGITUI 141-15.6 E			
DEPTH (m) 227			
Press.	Temp.	Salinity	Sigma-T
5	1.781	32.490	25.976
10	1.756	32.507	25.992
20	1.889	32.547	26.015
30	2.102	32.590	26.033
40	2.383	32.631	26.045
50	2.695	32.712	26.084
75	5.015	33.226	26.267
100	6.733	33.460	26.242
125	5.428	33.308	26.285
150	4.349	33.331	26.423
175	4.258	33.389	26.478
200	3.754	33.406	26.543

STATION US14109			
LATITUDE 41-40.8 N			
LONGITUI 141-17.3 E			
DEPTH (m) 232			
Press.	Temp.	Salinity	Sigma-T
5	2.124	32.575	26.020
10	2.121	32.577	26.021
20	2.190	32.606	26.040
30	2.288	32.637	26.057
40	2.741	32.718	26.085
50	3.255	32.896	26.183
75	6.776	33.472	26.245
100	5.597	33.325	26.278
125	4.044	33.286	26.418
150	3.661	33.434	26.574
175	3.346	33.474	26.635
200	3.283	33.495	26.658

STATION US14110			
LATITUDE 41-38.3 N			
LONGITUI 141-18.7 E			
DEPTH (m) 214			
Press.	Temp.	Salinity	Sigma-T
5	2.273	32.616	26.042
10	2.264	32.619	26.045
20	2.262	32.622	26.048
30	2.304	32.644	26.062
40	2.369	32.676	26.082
50	2.492	32.685	26.079
75	3.090	32.848	26.160
100	4.998	33.210	26.257
125	4.616	33.332	26.395
150	4.337	33.407	26.484
175	3.690	33.440	26.576
200	3.536	33.608	26.725

STATION US14111			
LATITUDE 41-35.2 N			
LONGITUI 141-20.4 E			
DEPTH (m) 305			
Press.	Temp.	Salinity	Sigma-T
5	2.022	32.562	26.017
10	2.024	32.561	26.016
20	2.022	32.564	26.019
30	2.026	32.567	26.021
40	2.039	32.572	26.024
50	2.065	32.583	26.031
75	3.703	33.038	26.255
100	4.193	33.180	26.319
125	4.625	33.629	26.630
150	4.636	33.646	26.643
175	4.558	33.645	26.650
200	4.322	33.681	26.704
250	4.191	33.928	26.914

STATION US14112			
LATITUDE 41-29.6 N			
LONGITUI 141-39.2 E			
DEPTH (m) 598			
Press.	Temp.	Salinity	Sigma-T
5	1.422	32.449	25.968
10	1.420	32.450	25.969
20	1.505	32.488	25.994
30	2.657	32.788	26.148
40	2.791	32.794	
50	3.009	32.888	26.198
75	5.607	33.668	26.548
100	5.840	33.690	26.537
125	5.841	33.698	26.544
150	5.822	33.703	26.550
175	5.832	33.706	26.551
200	5.547	33.653	26.544
250	5.410	33.723	26.615
300	4.503	33.629	26.643
400	2.706	33.557	26.759
500	3.135	33.740	26.867

STATION US14113			
LATITUDE 41-26.5 N			
LONGITUI 141-35.0 E			
DEPTH (m) 380			
Press.	Temp.	Salinity	Sigma-T
5	2.476	32.679	26.076
10	2.481	32.681	26.078
20	2.500	32.688	26.081
30	2.497	32.691	26.084
40	2.492	32.690	26.083
50	2.493	32.703	26.094
75	3.587	33.139	26.346
100	4.406	33.395	26.468
125	4.599	33.473	26.509
150	4.611	33.488	26.519
175	4.661	33.516	26.536
200	4.718	33.531	26.542
250	4.783	33.570	26.566
300	4.680	33.624	26.620

STATION US14114			
LATITUDE 41-23.0 N			
LONGITUI 141-34.6 E			
DEPTH (m) 370			
Press.	Temp.	Salinity	Sigma-T
5	2.274	32.642	26.062
10	2.277	32.643	26.063
20	2.329	32.661	26.073
30	2.411	32.691	26.091
40	2.615	32.765	26.133
50	2.785	32.875	26.207
75	4.221	33.305	26.416
100	4.704	33.449	26.479
125	4.787	33.483	26.497
150	4.749	33.496	26.511
175	4.918	33.553	26.537
200	5.059	33.590	26.551
250	5.221	33.616	26.553
300	5.451	33.659	26.560

STATION US14115			
LATITUDE 41-29.6 N			
LONGITUI 141-34.7 E			
DEPTH (m) 141			
Press.	Temp.	Salinity	Sigma-T
5	1.456	32.470	25.983
10	3.192	33.051	26.312
20	3.781	33.156	26.341
30	3.729	33.139	26.333
40	3.639	33.137	26.340
50	3.678	33.144	26.341
75	3.734	33.217	26.394
100	3.746	33.200	26.380
125	4.275	33.476	26.545

STATION US14116			
LATITUDE 41-29.9 N			
LONGITUI 141-30.2 E			
DEPTH (m) 66			
Press.	Temp.	Salinity	Sigma-T
5	2.012	32.603	26.051
10	2.021	32.609	26.055
20	2.394	32.737	26.128
30	3.973	33.578	26.658
40	4.533	33.797	26.773
50	4.542	33.790	26.767

STATION US14117			
LATITUDE 41-27.5 N			
LONGITUI 141-24.4 E			
DEPTH (m) 49			
Press.	Temp.	Salinity	Sigma-T
5	2.231	32.724	26.131
10	2.261	32.740	26.142
20	4.502	33.738	26.730
30	4.838	33.867	26.796
40	4.669	33.957	26.885

Table 2. (Continued)

STATION US14118			
LATITUDE 41-28.7 N			
LONGITUI 141-23.6 E			
DEPTH (m) 86			
Press.	Temp.	Salinity	Sigma-T
5	1.920	32.636	26.084
10	1.932	32.644	26.089
20	4.027	33.555	26.634
30	4.895	33.753	26.698
40	4.509	33.658	26.666
50	4.519	33.923	26.875
75	4.124	33.974	26.958

STATION US14119			
LATITUDE 41-30.0 N			
LONGITUI 141-21.0 E			
DEPTH (m) 232			
Press.	Temp.	Salinity	Sigma-T
5	2.082	32.680	26.107
10	3.145	33.421	26.611
20	4.354	33.585	26.624
30	4.235	33.684	26.715
40	3.807	33.655	26.735
50	3.535	33.713	26.808
75	3.934	33.861	26.887
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 US14120			
LATITUDE 41-27.0 N			
LONGITUI 141-20.9 E			
DEPTH (m) 85			
Press.	Temp.	Salinity	Sigma-T
5	2.247	32.725	26.130
10	2.318	32.764	26.156
20	4.005	33.444	26.548
30	4.575	33.737	26.721
40	4.815	33.848	26.783
50	3.973	33.917	26.927
75	3.922	33.938	26.949

STATION US14121			
LATITUDE 41-32.0 N			
LONGITUI 141-21.9 E			
DEPTH (m) 261			
Press.	Temp.	Salinity	Sigma-T
5	3.441	33.137	26.358
10	3.807	33.287	26.443
20	4.203	33.425	26.513
30	4.184	33.503	26.577
40	4.052	33.537	26.617
50	3.774	33.532	26.641
75	3.925	33.781	26.824
100	3.501	33.815	26.893
125	3.515	33.905	26.963
150	3.114	33.940	27.028
175	2.785	33.990	27.098
200	2.793	33.994	27.100

STATION US14122			
LATITUDE 41-27.5 N			
LONGITUI 141-16.4 E			
DEPTH (m) 134			
Press.	Temp.	Salinity	Sigma-T
5	2.501	32.792	26.165
10	2.511	32.808	26.176
20	2.904	33.064	26.348
30	4.435	33.829	26.809
40	4.053	33.803	26.828
50	3.683	33.867	26.916
75	3.447	33.914	26.977
100	3.102	33.944	27.033
125	3.096	33.949	27.037

STATION US14123			
LATITUDE 41-35.0 N			
LONGITUI 140-53.4 E			
DEPTH (m) 41			
Press.	Temp.	Salinity	Sigma-T
5	6.546	33.963	26.663
10	6.336	33.930	26.664
20	5.661	33.960	26.773
30	5.609	33.969	26.786

STATION US14124			
LATITUDE 41-36.9 N			
LONGITUI 140-51.3 E			
DEPTH (m) 94			
Press.	Temp.	Salinity	Sigma-T
5	5.894	33.983	26.763
10	5.869	33.973	26.757
20	5.242	33.948	26.813
30	4.807	33.972	26.882
40	4.644	33.984	26.910
50	4.438	33.997	26.943
75	4.265	33.984	26.951

STATION US14125			
LATITUDE 41-38.7 N			
LONGITUI 140-49.4 E			
DEPTH (m) 333			
Press.	Temp.	Salinity	Sigma-T
5	5.564	33.999	26.816
10	5.527	33.982	26.806
20	5.366	33.959	26.808
30	5.052	33.977	26.858
40	4.847	33.974	26.879
50	4.598	33.963	26.898
75	4.317	33.998	26.956
100	3.931	34.001	26.998
125	2.889	33.982	27.082
150	2.548	34.014	27.137
175	2.400	34.015	27.150
200	2.436	34.023	27.154
250	2.344	34.021	27.160
300	1.739	34.029	27.214

STATION US14126			
LATITUDE 41-40.8 N			
LONGITUI 140-47.3 E			
DEPTH (m) 230			
Press.	Temp.	Salinity	Sigma-T
5	4.429	33.678	26.690
10	4.432	33.682	26.693
20	4.506	33.707	26.705
30	4.612	33.736	26.716
40	4.582	33.821	26.787
50	4.553	33.890	26.845
75	3.760	33.948	26.973
100	3.167	33.971	27.048
125	2.505	33.992	27.124
150	2.145	34.017	27.173
175	1.999	34.023	27.189
200	1.834	34.020	27.199

STATION US14127			
LATITUDE 41-42.7 N			
LONGITUI 140-44.9 E			
DEPTH (m) 87			
Press.	Temp.	Salinity	Sigma-T
5	2.065	32.556	26.009
10	2.078	32.580	26.028
20	3.037	33.239	26.476
30	3.212	33.347	26.546
40	3.637	33.574	26.688
50	3.990	33.709	26.760
75	4.257	33.911	26.893

STATION US14128			
LATITUDE 41-28.5 N			
LONGITUI 140-17.4 E			
DEPTH (m) 33			
Press.	Temp.	Salinity	Sigma-T
5	3.006	32.899	26.208
10	3.327	33.097	26.337
20	4.386	33.602	26.634
30	4.431	33.611	26.636

STATION US14129			
LATITUDE 42-06.6 N			
LONGITUI 140-49.8 E			
DEPTH (m) 38			
Press.	Temp.	Salinity	Sigma-T
5	2.009	32.657	26.094
10	2.007	32.659	26.096
20	2.012	32.661	26.097
30	2.020	32.666	26.101

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 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 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 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 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 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 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 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 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 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 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 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 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 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 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			
LATITUDE 41-59.6 N			
LONGITUI 141-01.8 E			
DEPTH (m) 100			
Press.	Temp.	Salinity	Sigma-T
5	0.572	32.226	25.839
10	0.524	32.229	25.844
20	0.515	32.236	25.850
30	0.508	32.239	25.853
40	0.502	32.248	25.861
50	0.769	32.459	26.016
75	2.171	32.767	26.170

STATION US14148			
LATITUDE 41-57.3 N			
LONGITUI 140-58.1 E			
DEPTH (m) 77			
Press.	Temp.	Salinity	Sigma-T
5	0.657	32.270	25.870
10	0.658	32.271	25.870
20	0.627	32.288	25.886
30	0.707	32.320	25.907
40	1.203	32.490	26.015
50	2.320	32.763	26.155

STATION US14151			
LATITUDE 41-38.8 N			
LONGITUI 140-49.3 E			
DEPTH (m) 344			
Press.	Temp.	Salinity	Sigma-T
5	8.402	33.854	26.313
10	8.389	33.914	26.363
20	8.257	33.923	26.389
30	8.176	33.923	26.402
40	8.172	33.925	26.404
50	8.153	33.931	26.412
75	7.867	33.941	26.461
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			
LATITUDE 42-00.4 N			
LONGITUI 141-19.7 E			
DEPTH (m) 310			
Press.	Temp.	Salinity	Sigma-T
5	1.280	32.168	25.752
10	1.274	32.171	25.754
20	1.242	32.239	25.811
30	0.288	32.477	26.056
40	0.962	32.757	26.244
50	1.384	32.969	26.388
75	2.623	33.243	26.514
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

STATION US14146			
LATITUDE 41-58.7 N			
LONGITUI 141-00.6 E			
DEPTH (m) 94			
Press.	Temp.	Salinity	Sigma-T
5	0.537	32.215	25.832
10	0.478	32.221	25.840
20	0.494	32.232	25.848
30	0.496	32.235	25.851
40	0.648	32.362	25.944
50	1.717	32.617	26.083
75	2.881	32.926	26.240

STATION US14149			
LATITUDE 41-42.8 N			
LONGITUI 140-44.8 E			
DEPTH (m) 84			
Press.	Temp.	Salinity	Sigma-T
5	7.282	33.939	26.544
10	7.280	33.945	26.549
20	7.264	33.945	26.551
30	7.240	33.948	26.557
40	7.200	33.950	26.564
50	7.034	33.952	26.589
75	6.990	33.960	26.601

STATION US14152			
LATITUDE 41-37.1 N			
LONGITUI 140-51.2 E			
DEPTH (m) 98			
Press.	Temp.	Salinity	Sigma-T
5	8.403	33.846	26.307
10	8.315	33.876	26.344
20	8.278	33.879	26.352
30	8.213	33.871	26.355
40	8.181	33.880	26.367
50	8.165	33.887	26.376
75	8.130	33.898	26.389

STATION US14155			
LATITUDE 41-59.5 N			
LONGITUI 141-01.9 E			
DEPTH (m) 102			
Press.	Temp.	Salinity	Sigma-T
5	2.594	32.375	25.824
10	2.582	32.374	25.824
20	2.321	32.366	25.838
30	2.150	32.354	25.841
40	1.632	32.386	25.904
50	1.243	32.506	26.025
75	2.625	32.996	26.317

STATION US14147			
LATITUDE 41-58.0 N			
LONGITUI 140-59.4 E			
DEPTH (m) 87			
Press.	Temp.	Salinity	Sigma-T
5	0.573	32.226	25.839
10	0.526	32.232	25.847
20	0.503	32.234	25.849
30	0.495	32.241	25.856
40	1.029	32.459	26.001
50	1.800	32.762	26.193
75	3.744	33.089	26.292

STATION US14150			
LATITUDE 41-40.8 N			
LONGITUI 140-47.3 E			
DEPTH (m) 228			
Press.	Temp.	Salinity	Sigma-T
5	8.009	33.922	26.426
10	7.867	33.940	26.461
20	7.725	33.946	26.486
30	7.673	33.951	26.498
40	7.423	33.952	26.534
50	7.257	33.929	26.540
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 US14153			
LATITUDE 41-35.9 N			
LONGITUI 140-52.7 E			
DEPTH (m) 39			
Press.	Temp.	Salinity	Sigma-T
5	8.317	33.856	26.328
10	8.322	33.855	26.327
20	8.289	33.861	26.336
30	8.285	33.863	26.338

STATION US14156			
LATITUDE 41-58.7 N			
LONGITUI 141-00.7 E			
DEPTH (m) 95			
Press.	Temp.	Salinity	Sigma-T
5	2.602	32.388	25.834
10	2.595	32.388	25.834
20	2.191	32.391	25.868
30	2.233	32.386	25.861
40	1.925	32.339	25.846
50	1.273	32.509	26.025
75	2.651	33.035	26.346

Table 2 (Continued)

STATION US14157			
LATITUDE 41-58.1 N			
LONGITUI 140-59.4 E			
DEPTH (m) 87			
Press.	Temp.	Salinity	Sigma-T
5	2.144	32.355	25.842
10	2.144	32.356	25.843
20	2.145	32.355	25.842
30	2.156	32.361	25.846
40	2.225	32.390	25.865
50	1.249	32.537	26.050
75	2.954	33.146	26.409

STATION US14160			
LATITUDE 42-08.8 N			
LONGITUI 140-35.7 E			
DEPTH (m) 65			
Press.	Temp.	Salinity	Sigma-T
5	3.876	32.241	25.604
10	3.789	32.261	25.628
20	2.889	32.357	25.785
30	2.629	32.355	25.805
40	2.045	32.634	26.073
50	2.093	32.713	26.133

STATION US14163			
LATITUDE 42-16.3 N			
LONGITUI 140-36.6 E			
DEPTH (m) 90			
Press.	Temp.	Salinity	Sigma-T
5	4.144	32.383	25.691
10	4.082	32.397	25.708
20	3.846	32.445	25.769
30	3.571	32.478	25.821
40	3.473	32.493	25.842
50	2.365	32.584	26.009
75	3.978	33.418	26.530

STATION US14166			
LATITUDE 42-23.5 N			
LONGITUI 140-31.8 E			
DEPTH (m) 96			
Press.	Temp.	Salinity	Sigma-T
5	4.174	32.435	25.729
10	4.169	32.435	25.729
20	3.995	32.452	25.760
30	3.671	32.465	25.801
40	2.895	32.527	25.920
50	2.423	32.654	26.061
75	3.461	33.189	26.398

STATION US14169			
LATITUDE 42-31.2 N			
LONGITUI 140-37.8 E			
DEPTH (m) 62			
Press.	Temp.	Salinity	Sigma-T
5	4.290	32.352	25.651
10	3.705	32.348	25.705
20	2.682	32.637	26.026
30	2.058	32.651	26.086
40	2.138	32.732	26.144
50	2.557	32.891	26.239

STATION US14158			
LATITUDE 41-57.3 N			
LONGITUI 140-58.2 E			
DEPTH (m) 79			
Press.	Temp.	Salinity	Sigma-T
5	4.071	32.057	25.439
10	3.646	32.198	25.592
20	2.724	32.257	25.719
30	2.132	32.331	25.824
40	2.060	32.338	25.835
50	2.161	32.427	25.899
75	3.303	33.237	26.451

STATION US14161			
LATITUDE 42-11.2 N			
LONGITUI 140-35.1 E			
DEPTH (m) 80			
Press.	Temp.	Salinity	Sigma-T
5	3.383	32.314	25.708
10	3.271	32.321	25.723
20	2.723	32.336	25.782
30	2.519	32.347	25.807
40	2.214	32.362	25.843
50	1.979	32.506	25.975
75	4.375	33.495	26.551

STATION US14164			
LATITUDE 42-19.0 N			
LONGITUI 140-31.0 E			
DEPTH (m) 94			
Press.	Temp.	Salinity	Sigma-T
5	4.070	32.481	25.776
10	4.062	32.481	25.776
20	3.579	32.481	25.823
30	3.546	32.488	25.832
40	2.733	32.534	25.940
50	2.377	32.596	26.018
75	3.595	33.286	26.462

STATION US14167			
LATITUDE 42-26.0 N			
LONGITUI 140-36.9 E			
DEPTH (m) 85			
Press.	Temp.	Salinity	Sigma-T
5	4.212	32.443	25.731
10	4.107	32.445	25.744
20	3.881	32.471	25.786
30	2.995	32.531	25.915
40	2.889	32.558	25.946
50	2.032	32.647	26.084
75	3.837	33.304	26.453

STATION US14170			
LATITUDE 42-28.3 N			
LONGITUI 140-43.0 E			
DEPTH (m) 61			
Press.	Temp.	Salinity	Sigma-T
5	3.657	32.511	25.839
10	3.485	32.523	25.865
20	2.741	32.570	25.967
30	2.067	32.642	26.078
40	2.109	32.717	26.135
50	2.327	32.824	26.203

STATION US14159			
LATITUDE 42-10.0 N			
LONGITUI 140-41.3 E			
DEPTH (m) 82			
Press.	Temp.	Salinity	Sigma-T
5	3.056	32.330	25.749
10	3.026	32.328	25.750
20	2.763	32.344	25.785
30	2.341	32.340	25.816
40	2.574	32.278	25.748
50	1.757	32.585	26.054
75	4.099	33.448	26.541

STATION US14162			
LATITUDE 42-14.2 N			
LONGITUI 140-30.4 E			
DEPTH (m) 81			
Press.	Temp.	Salinity	Sigma-T
5	3.544	32.366	25.734
10	3.466	32.360	25.737
20	3.040	32.406	25.811
30	3.088	32.504	25.885
40	2.572	32.581	25.990
50	2.189	32.713	26.126
75	4.153	33.422	26.515

STATION US14165			
LATITUDE 42-21.0 N			
LONGITUI 140-36.5 E			
DEPTH (m) 88			
Press.	Temp.	Salinity	Sigma-T
5	4.086	32.458	25.756
10	3.971	32.459	25.768
20	3.890	32.477	25.790
30	2.827	32.561	25.953
40	2.373	32.676	26.081
50	2.537	32.845	26.203
75	3.429	33.170	26.386

STATION US14168			
LATITUDE 42-29.0 N			
LONGITUI 140-31.6 E			
DEPTH (m) 75			
Press.	Temp.	Salinity	Sigma-T
5	4.034	32.475	25.774
10	3.946	32.460	25.772
20	3.690	32.468	25.803
30	3.151	32.454	25.840
40	2.379	32.710	26.108
50	2.580	32.887	26.234

STATION US14171			
LATITUDE 42-23.3 N			
LONGITUI 140-42.8 E			
DEPTH (m) 62			
Press.	Temp.	Salinity	Sigma-T
5	3.853	32.380	25.717
10	3.497	32.333	25.713
20	3.119	32.351	25.761
30	1.752	32.492	25.981
40	1.856	32.608	26.066
50	2.540	32.943	26.281

Table 2 (Continued)

STATION US14172			
LATITUDE 42-25.2 N			
LONGITUI 140-48.6 E			
DEPTH (m) 44			
Press.	Temp.	Salinity	Sigma-T
5	3.859	32.232	25.599
10	3.592	32.310	25.685
20	2.719	32.339	25.785
30	2.427	32.610	26.025

STATION US14175			
LATITUDE 42-18.2 N			
LONGITUI 140-42.4 E			
DEPTH (m) 63			
Press.	Temp.	Salinity	Sigma-T
5	4.000	32.454	25.761
10	4.000	32.454	25.761
20	3.982	32.454	25.763
30	2.845	32.444	25.858
40	2.073	32.624	26.063
50	2.299	32.767	26.160

STATION US14178			
LATITUDE 42-07.0 N			
LONGITUI 140-50.3 E			
DEPTH (m) 70			
Press.	Temp.	Salinity	Sigma-T
5	3.006	32.362	25.779
10	2.972	32.360	25.780
20	2.867	32.364	25.792
30	2.842	32.363	25.794
40	2.780	32.400	25.828
50	2.766	32.669	26.045

STATION US14181			
LATITUDE 42-11.4 N			
LONGITUI 140-35.7 E			
DEPTH (m) 82			
Press.	Temp.	Salinity	Sigma-T
5	4.150	32.406	25.709
10	3.732	32.387	25.734
20	3.619	32.389	25.746
30	3.238	32.360	25.758
40	2.631	32.441	25.873
50	2.004	32.428	25.911
75	4.306	33.458	26.528

STATION US14184			
LATITUDE 42-18.1 N			
LONGITUI 140-41.6 E			
DEPTH (m) 67			
Press.	Temp.	Salinity	Sigma-T
5	4.201	32.471	25.755
10	3.855	32.450	25.772
20	3.311	32.464	25.834
30	2.769	32.617	26.002
40	2.120	32.654	26.083
50	2.652	32.944	26.274

STATION US14173			
LATITUDE 42-20.9 N			
LONGITUI 140-48.6 E			
DEPTH (m) 53			
Press.	Temp.	Salinity	Sigma-T
5	3.765	32.286	25.650
10	3.788	32.339	25.690
20	3.488	32.481	25.831
30	1.966	32.518	25.986
40	2.015	32.682	26.114

STATION US14176			
LATITUDE 42-13.3 N			
LONGITUI 140-41.4 E			
DEPTH (m) 89			
Press.	Temp.	Salinity	Sigma-T
5	3.973	32.389	25.712
10	3.957	32.384	25.710
20	3.672	32.387	25.740
30	3.536	32.482	25.828
40	2.897	32.470	25.874
50	2.424	32.689	26.088
75	3.980	33.389	26.506

STATION US14179			
LATITUDE 42-10.3 N			
LONGITUI 140-47.3 E			
DEPTH (m) 92			
Press.	Temp.	Salinity	Sigma-T
5	3.110	32.374	25.780
10	3.078	32.371	25.780
20	2.649	32.374	25.819
30	2.538	32.384	25.835
40	2.313	32.396	25.862
50	2.357	32.693	26.096
75	3.106	33.177	26.420

STATION US14182			
LATITUDE 42-13.9 N			
LONGITUI 140-30.5 E			
DEPTH (m) 80			
Press.	Temp.	Salinity	Sigma-T
5	3.186	32.350	25.754
10	3.159	32.338	25.747
20	3.097	32.340	25.754
30	2.988	32.343	25.765
40	2.282	32.379	25.852
50	2.259	32.608	26.036
75	4.554	33.489	26.527

STATION US14185			
LATITUDE 42-20.9 N			
LONGITUI 140-36.4 E			
DEPTH (m) 88			
Press.	Temp.	Salinity	Sigma-T
5	4.388	32.431	25.704
10	4.305	32.424	25.707
20	4.081	32.408	25.717
30	3.782	32.428	25.762
40	2.726	32.585	25.980
50	2.068	32.693	26.118
75	3.904	33.334	26.470

STATION US14174			
LATITUDE 42-15.8 N			
LONGITUI 140-47.6 E			
DEPTH (m) 71			
Press.	Temp.	Salinity	Sigma-T
5	3.501	32.393	25.760
10	3.492	32.390	25.759
20	3.078	32.381	25.788
30	2.809	32.420	25.842
40	2.464	32.462	25.904
50	2.288	32.739	26.138

STATION US14177			
LATITUDE 42-10.5 N			
LONGITUI 140-46.6 E			
DEPTH (m) 94			
Press.	Temp.	Salinity	Sigma-T
5	3.072	32.358	25.770
10	3.058	32.357	25.771
20	2.987	32.373	25.790
30	2.555	32.355	25.811
40	2.030	32.408	25.893
50	2.656	32.879	26.221
75	4.316	33.469	26.536

STATION US14180			
LATITUDE 42-12.9 N			
LONGITUI 140-41.6 E			
DEPTH (m) 90			
Press.	Temp.	Salinity	Sigma-T
5	4.124	32.438	25.737
10	3.983	32.418	25.734
20	3.874	32.407	25.736
30	3.353	32.419	25.795
40	2.255	32.363	25.840
50	2.622	32.519	25.936
75	3.999	33.418	26.528

STATION US14183			
LATITUDE 42-16.4 N			
LONGITUI 140-36.9 E			
DEPTH (m) 90			
Press.	Temp.	Salinity	Sigma-T
5	4.213	32.392	25.691
10	4.123	32.400	25.706
20	3.520	32.439	25.795
30	2.682	32.527	25.938
40	2.185	32.622	26.053
50	2.298	32.770	26.163
75	3.717	33.287	26.452

STATION US14186			
LATITUDE 42-19.3 N			
LONGITUI 140-30.4 E			
DEPTH (m) 93			
Press.	Temp.	Salinity	Sigma-T
5	4.301	32.453	25.730
10	4.262	32.449	25.731
20	4.215	32.448	25.735
30	4.033	32.419	25.730
40	2.932	32.554	25.939
50	2.469	32.683	26.079
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 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 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 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 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 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