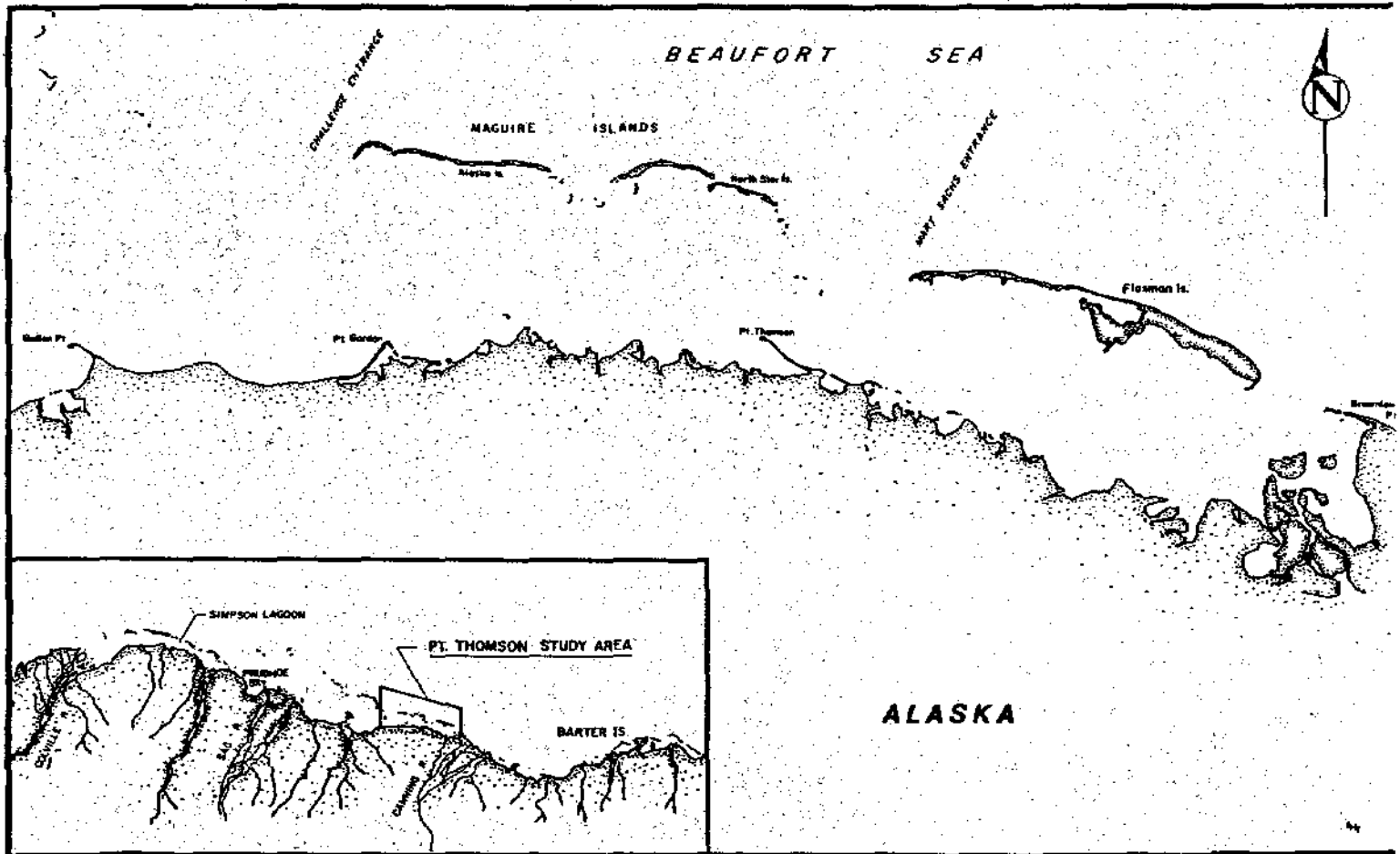


OCEANOGRAPHIC ENGINEERING SERVICES POINT THOMSON DEVELOPMENT PROJECT Agreement Number PTD-8204



VOLUME 2

PART 2

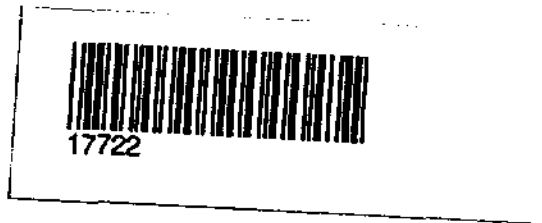
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Appendix E. Hydrographic and Water Quality Results

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Appendix E: Hydrographic and Water Quality Results

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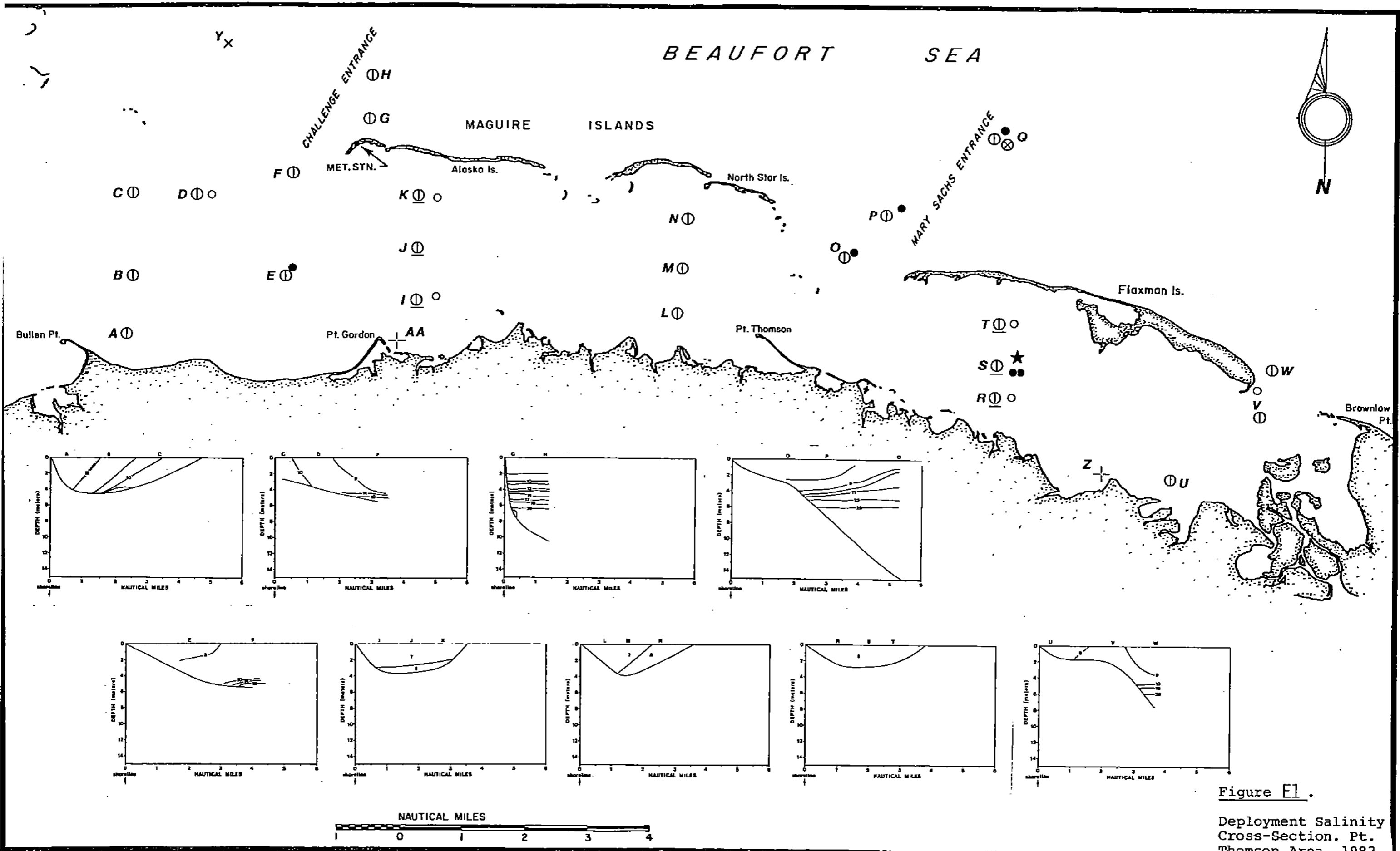


Figure E1.
Deployment Salinity
Cross-Section. Pt.
Thomson Area, 1982.

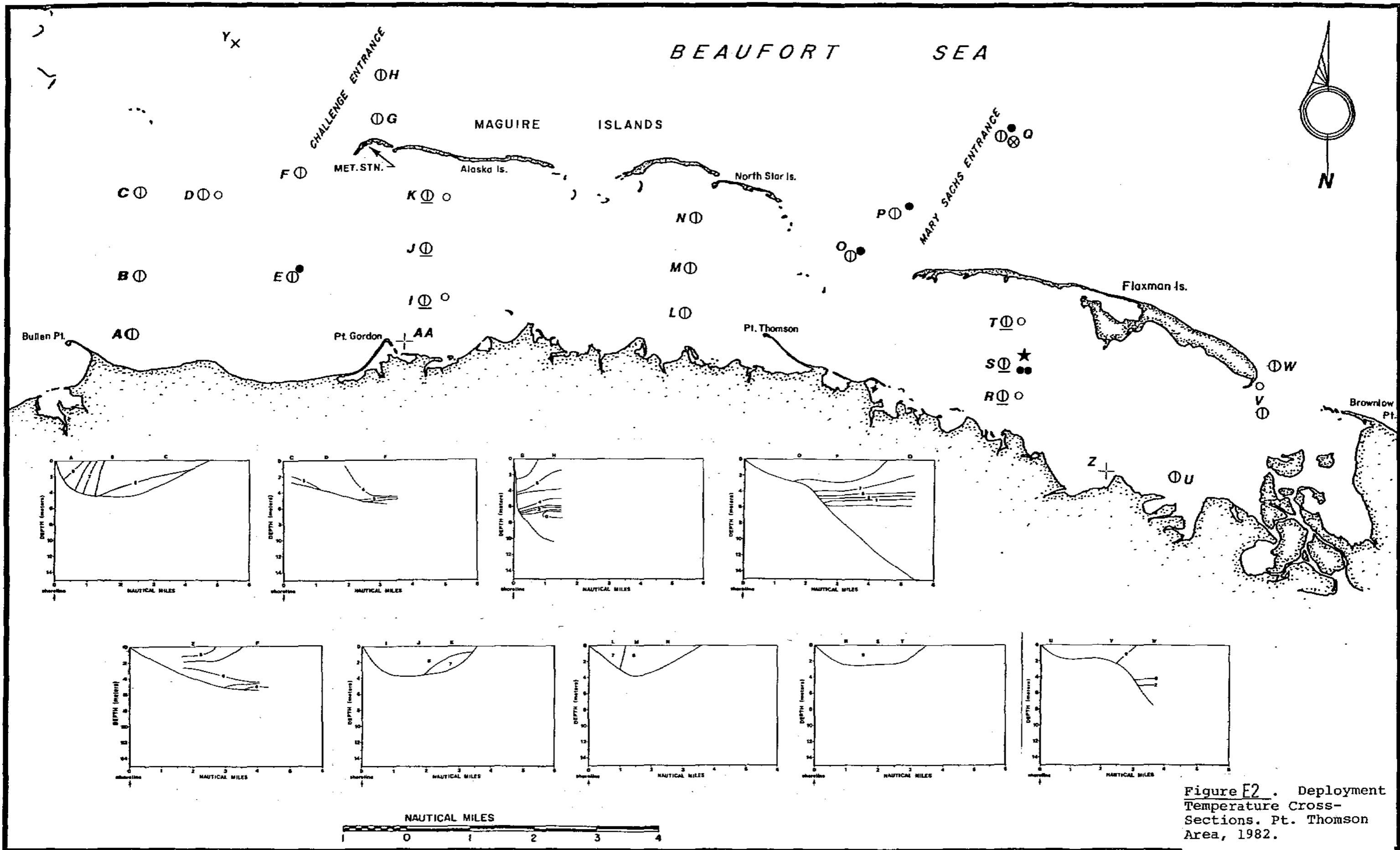
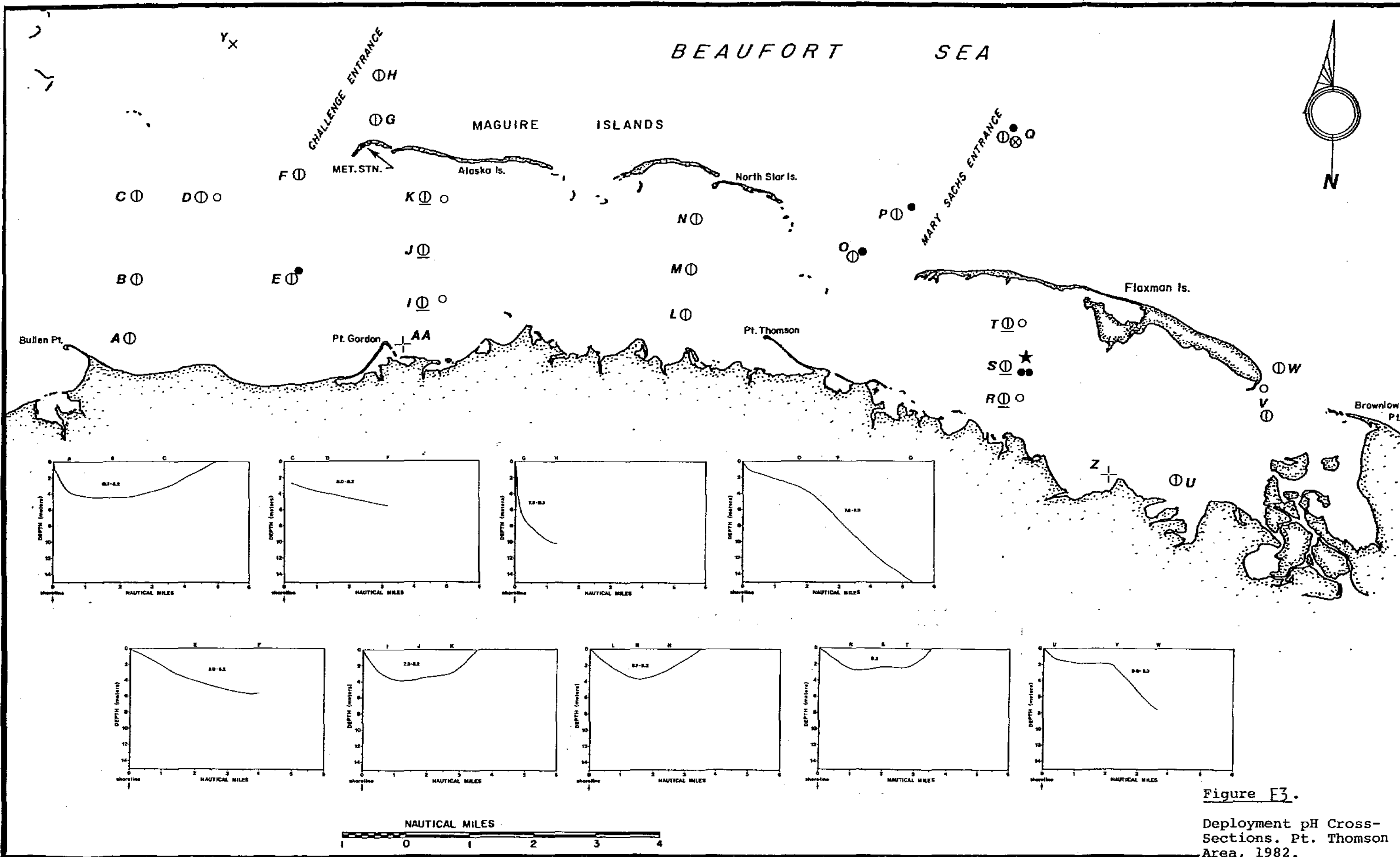


Figure E2 . Deployment Temperature Cross-Sections. Pt. Thomson Area, 1982.



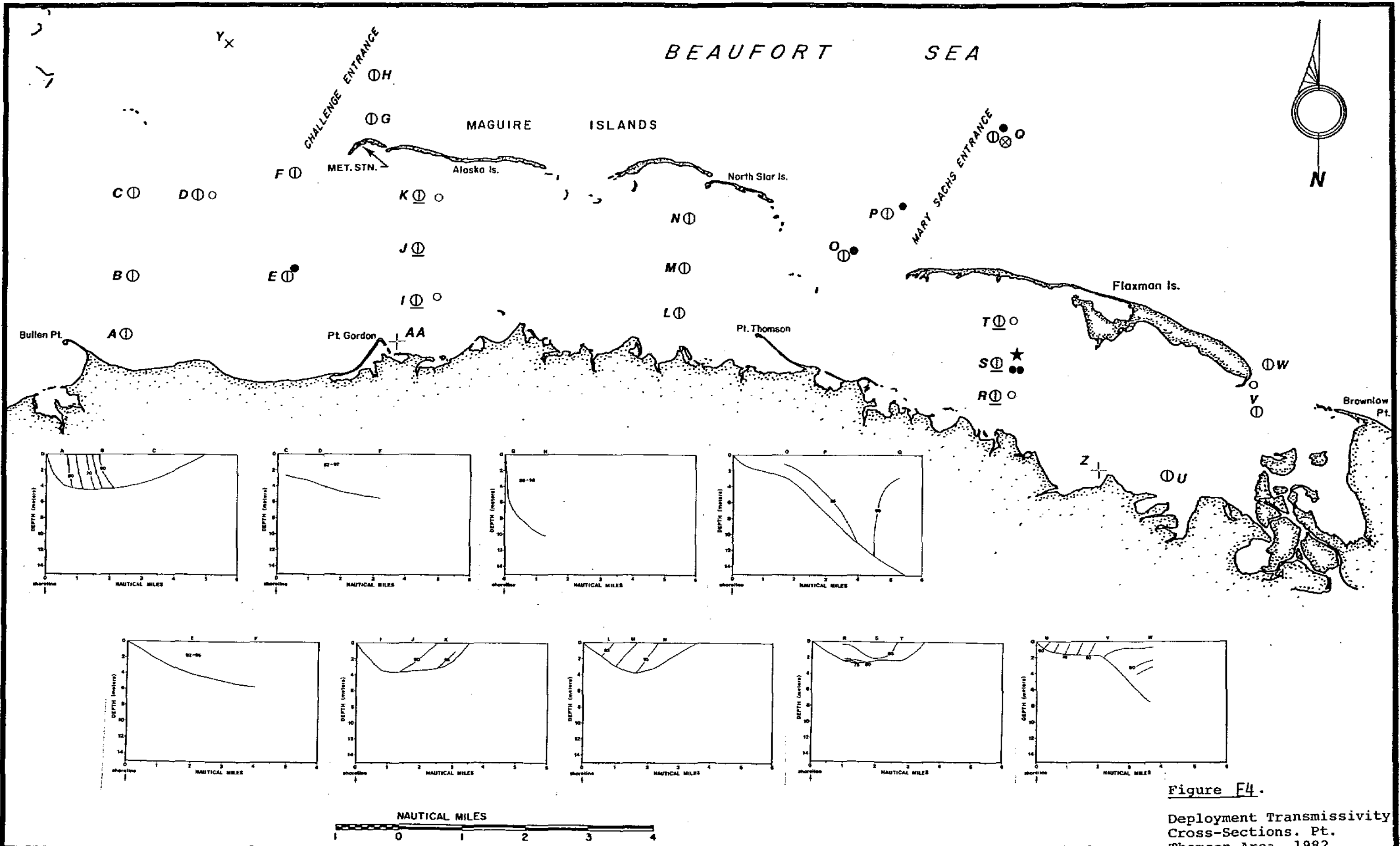


Figure F4.

Deployment Transmissivity
Cross-Sections. Pt.
Thomson Area, 1982.

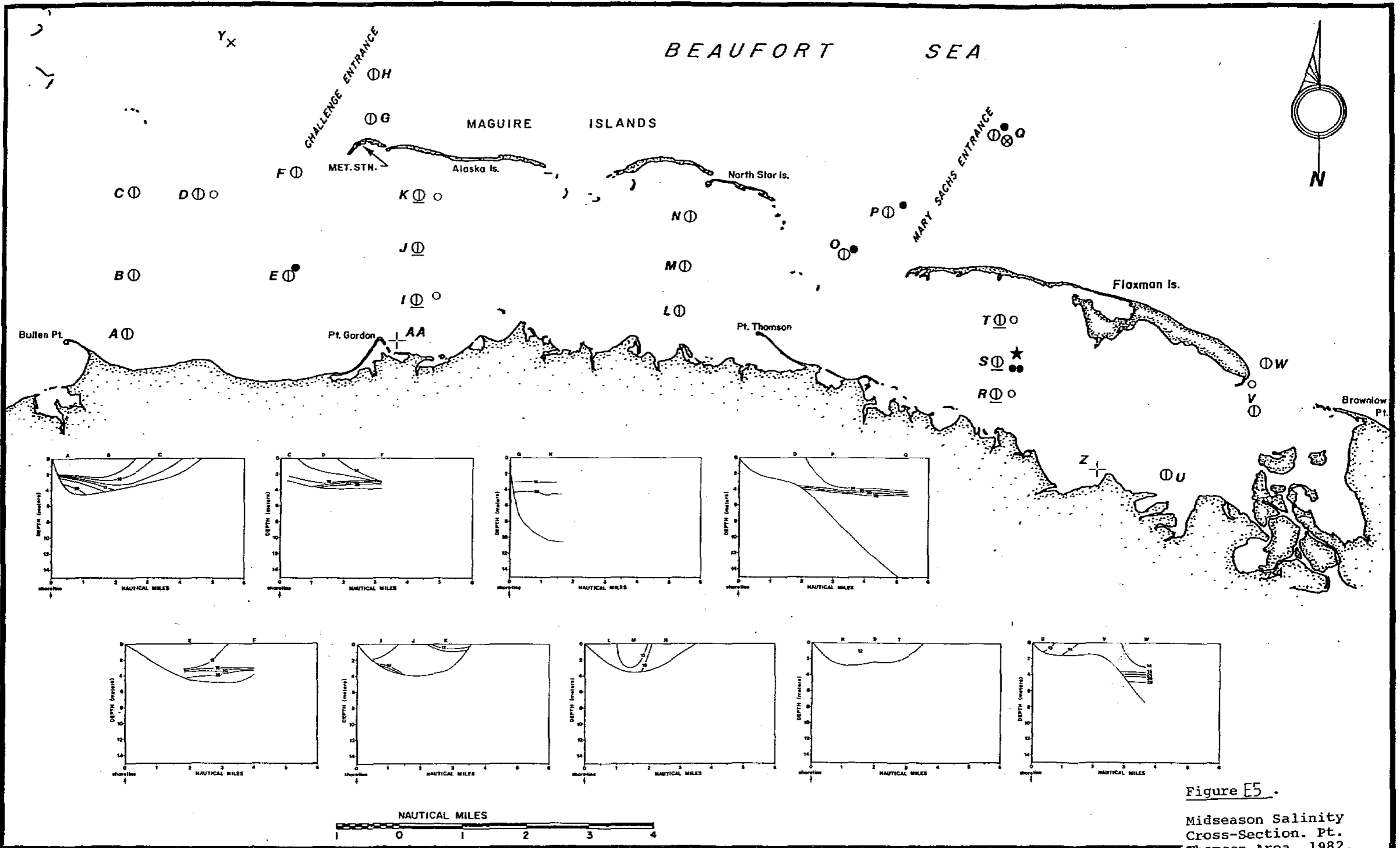


Figure E5.
 Midseason Salinity
 Cross-Section. Pt.
 Thomson Area, 1982.

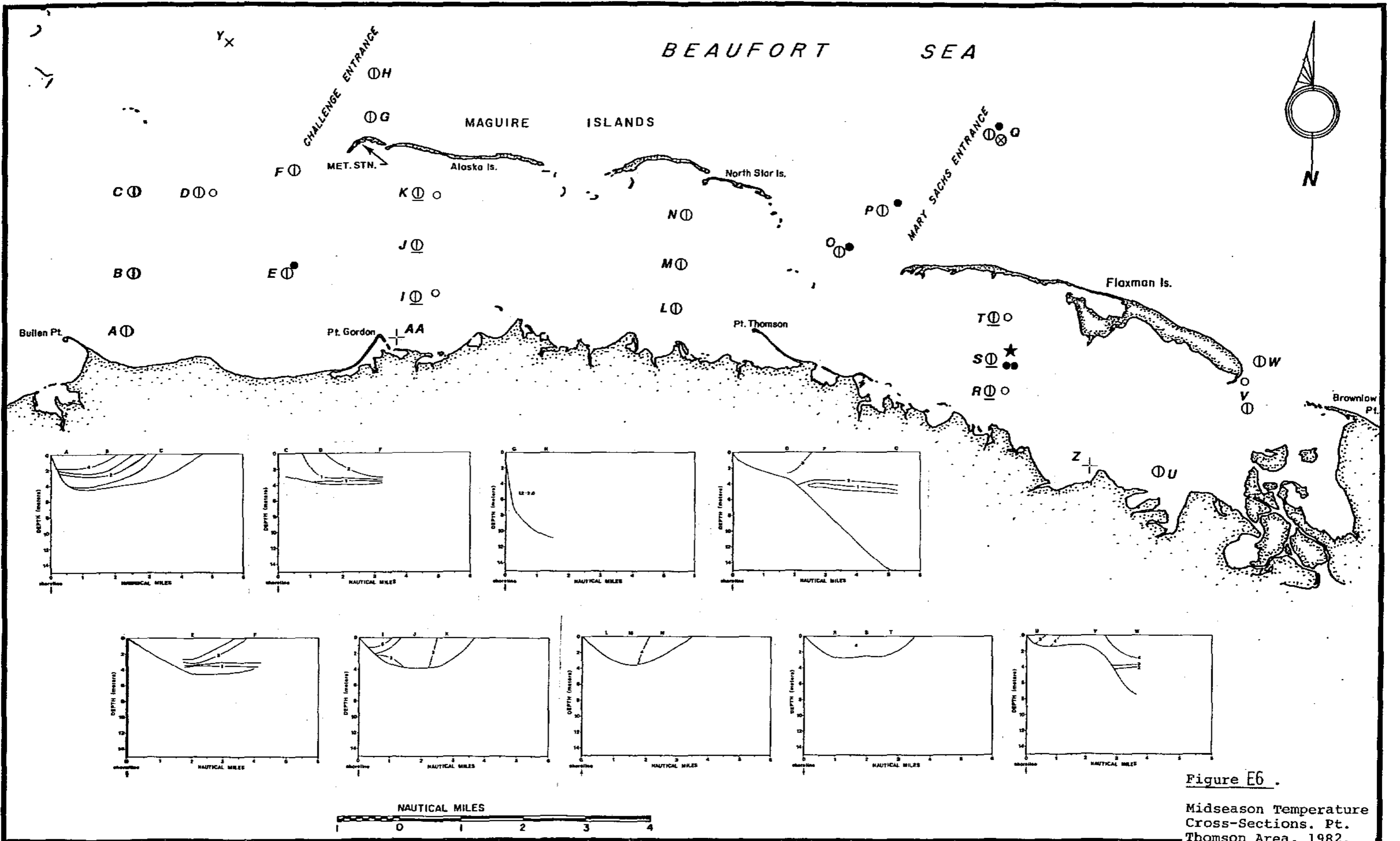


Figure E6 .
 Midseason Temperature
 Cross-Sections. Pt.
 Thomson Area, 1982.

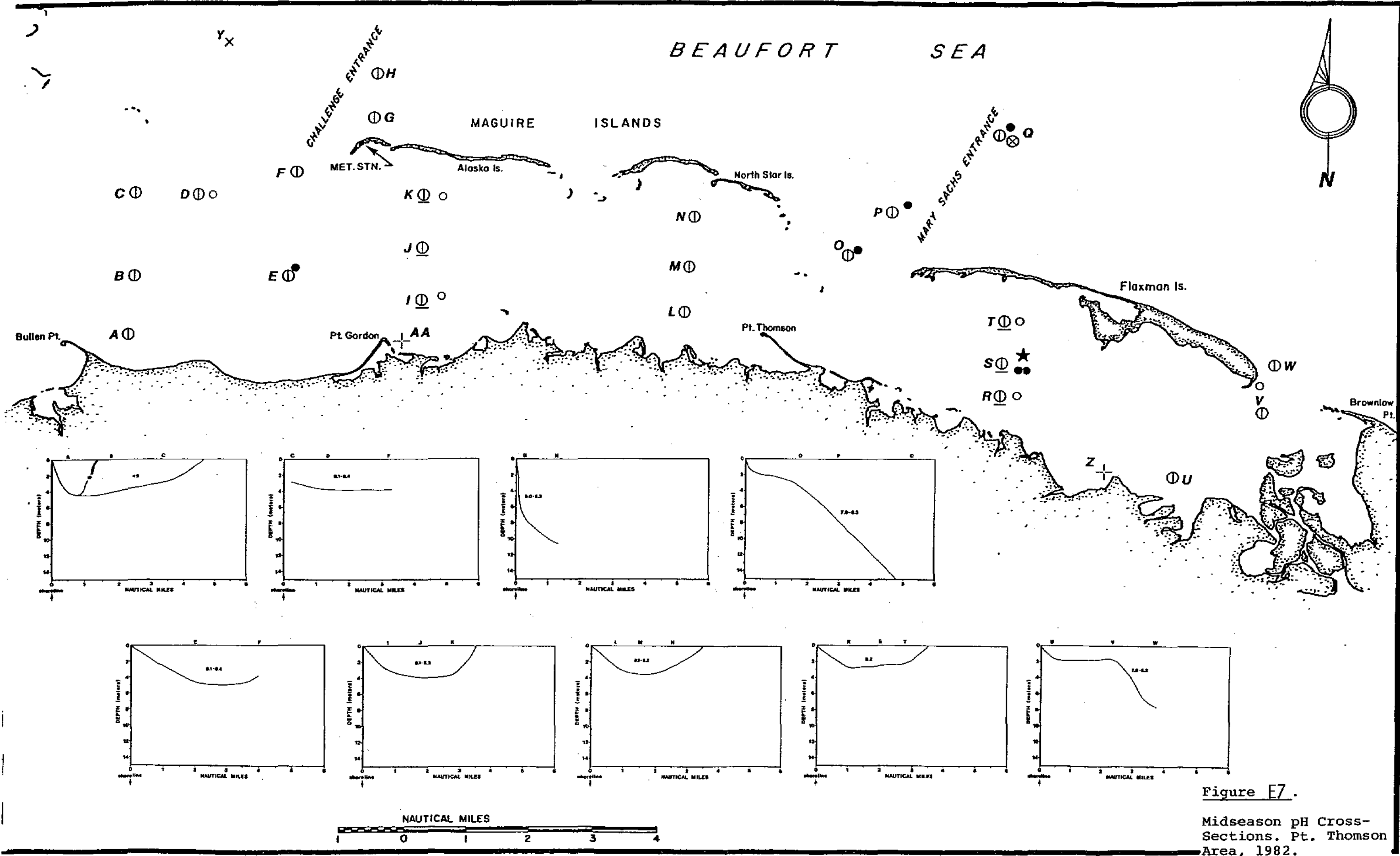


Figure E7.
 Midseason pH Cross-Sections. Pt. Thomson Area, 1982.

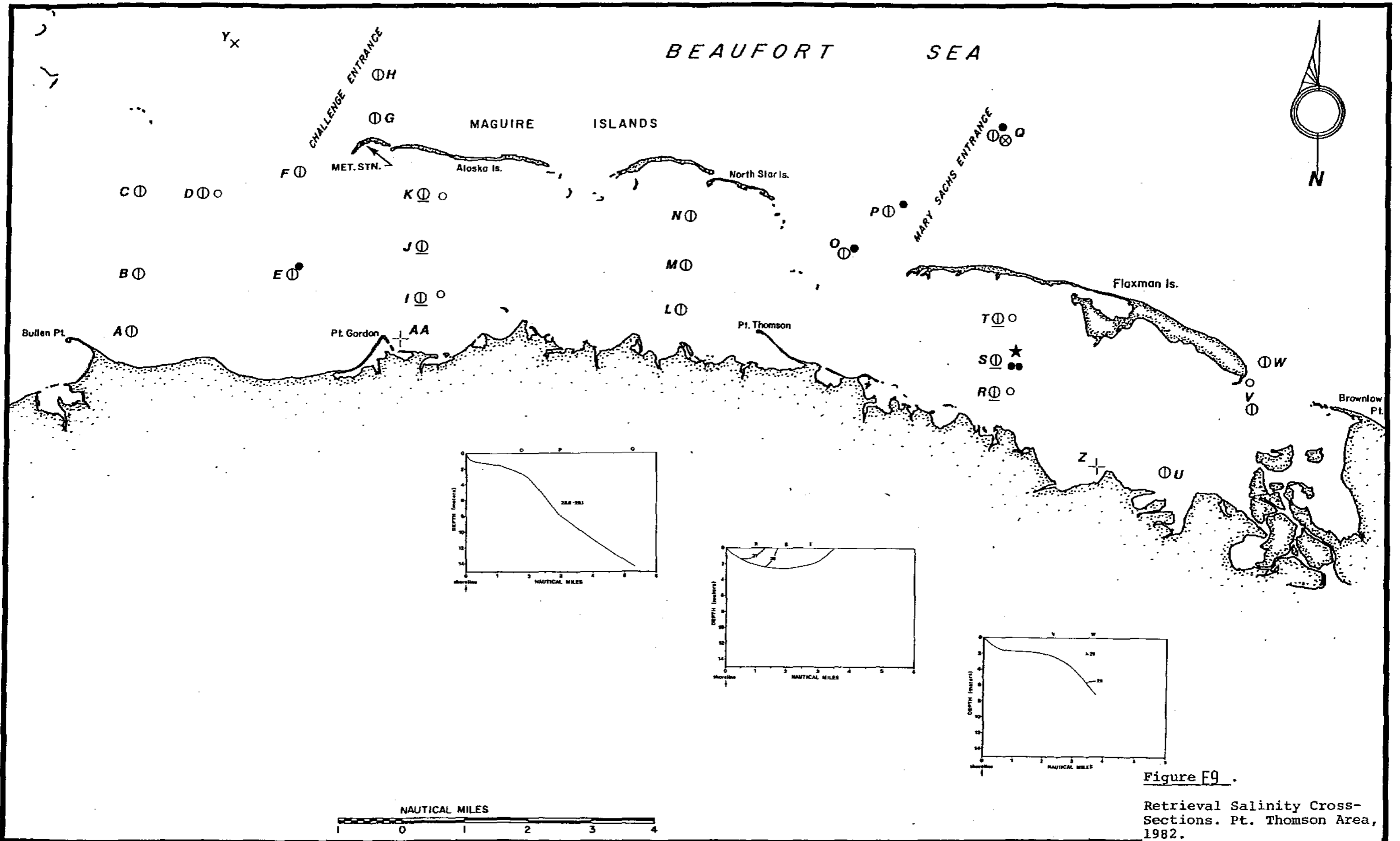


Figure F9 .
 Retrieval Salinity Cross-
 Sections. Pt. Thomson Area,
 1982.

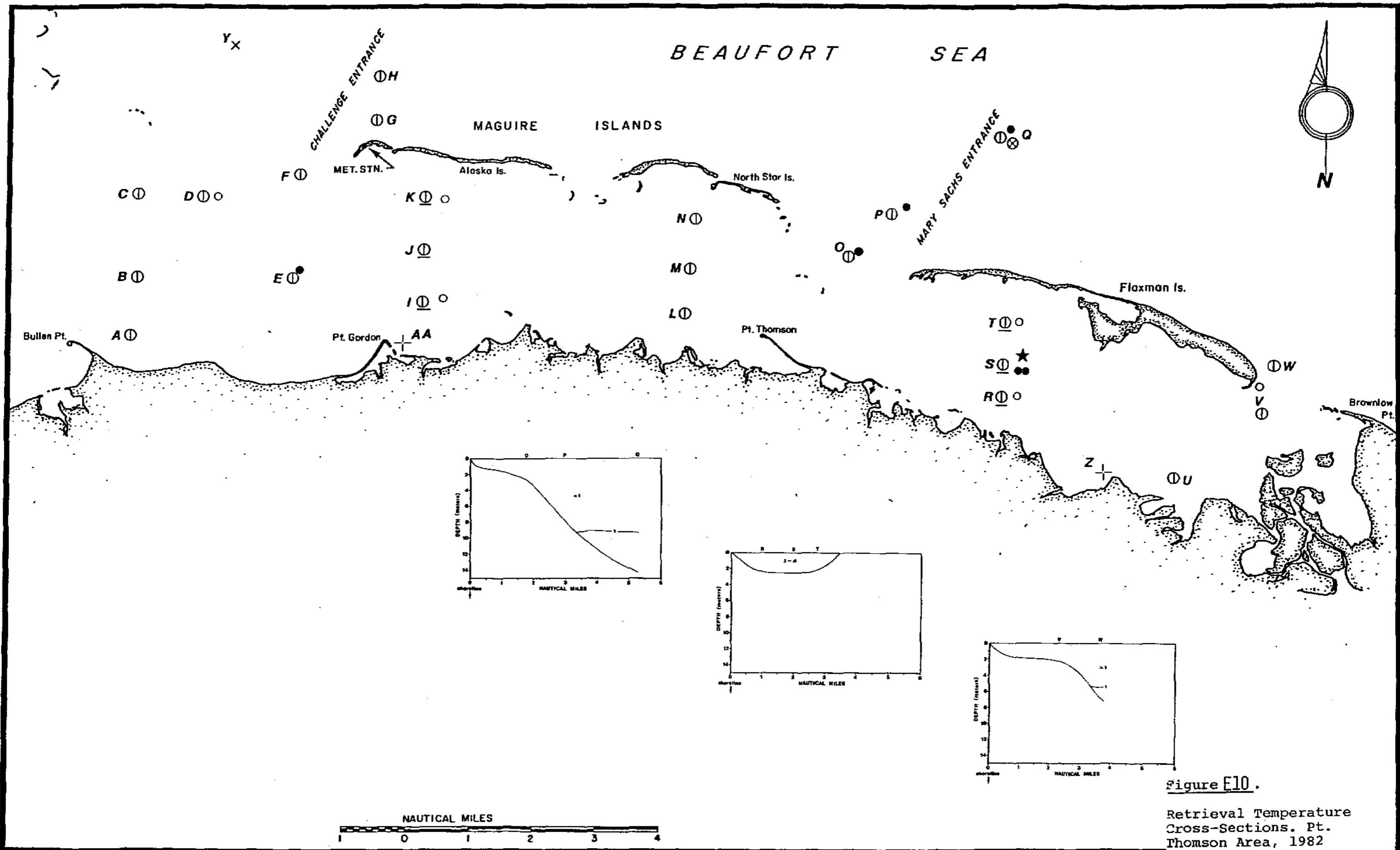


Figure E10.
 Retrieval Temperature
 Cross-Sections. Pt.
 Thomson Area, 1982

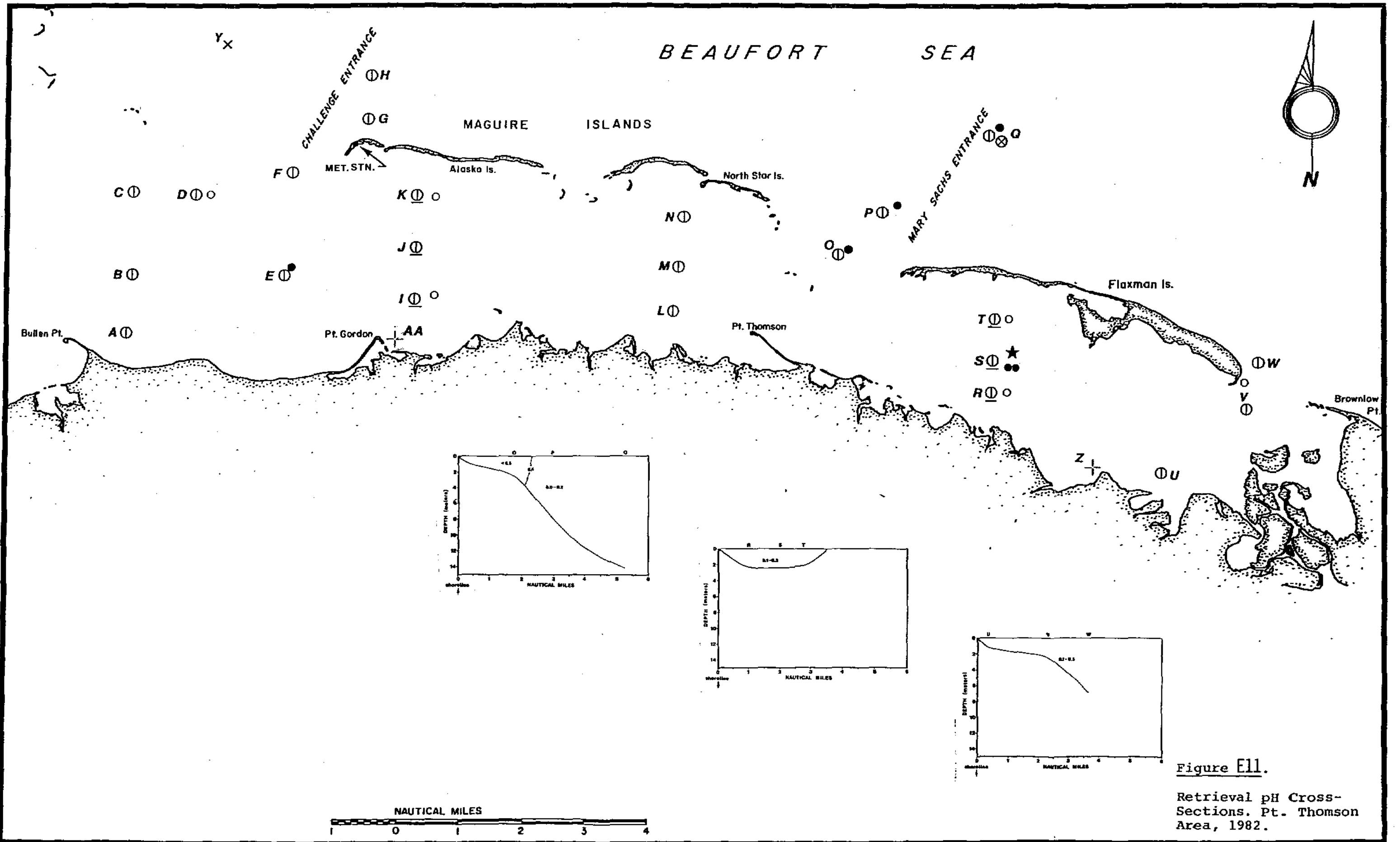


Figure E11.
 Retrieval pH Cross-Sections. Pt. Thomson Area, 1982.

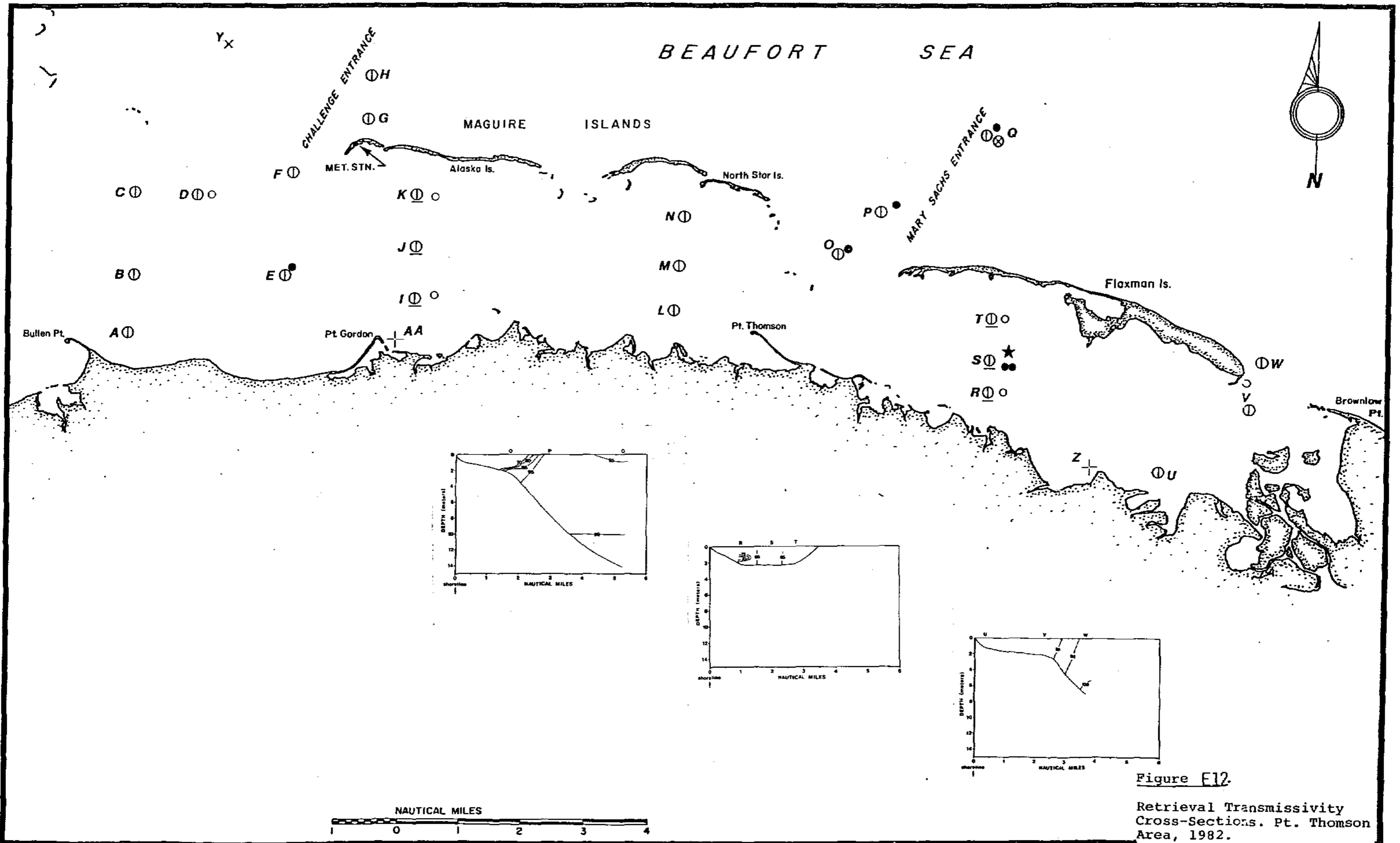


Figure E12.
 Retrieval Transmissivity
 Cross-Sections. Pt. Thomson
 Area, 1982.

Table E1. Beaufort Sea Hydrographic Data

Deployment Phase

STATION A 27 July 1982 1620 ADST*

<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>
surface	9.02	7.43	43.7	8.14
0.8	9.02	7.44	43.0	8.14
1.9	9.00	7.44	44.5	8.10
2.7	8.92	7.48	42.8	8.12
bottom (3.4)	8.86	7.47	42.3	8.12

STATION B 27 July 1982 1645

<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>
surface	5.56	8.91	91.3	8.18
0.6	5.56	8.92	91.3	8.20
1.3	5.52	8.89	92.1	8.21
2.2	5.40	8.72	91.3	8.15
3.1	5.11	9.56	91.3	8.16
bottom (4.1)	4.80	11.25	87.2	8.14

STATION C 27 July 1982 1710

<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>
surface	5.47	10.24	93.8	8.17
1.39	5.49	10.24	96.3	8.18
bottom (2.7)	4.91	10.75	93.8	8.14

STATION D 27 July 1982 1800

<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>
surface	5.72	9.08	92.1	8.23
2.0	5.70	9.06	92.1	8.23
3.0	5.70	9.08	92.1	8.21
bottom (3.9)	5.71	9.10	92.1	8.23

* Alaska Daylight Savings Time

Table E1. Beaufort Sea Hydrographic Data (Cont'd)

STATION E 27 July 1982 1815

<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>
surface	8.53	7.57	94.6	8.12
1.0	7.39	7.78	93.8	8.14
1.9	6.00	8.42	92.1	8.12
2.7	5.94	8.66	92.1	8.08
bottom (3.6)	5.81	8.77	92.1	8.05

STATION F 27 July 1982 1830

<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>
surface	6.76	8.09	93.8	8.18
1.4	6.74	8.06	93.8	8.19
2.3	6.59	8.11	93.0	8.18
3.3	6.52	8.15	93.8	8.21
3.9	6.28	8.34	93.8	8.16
bottom (5.2)	3.62	19.29	93.8	8.00

STATION G 27 July 1982 2045

<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>
surface	7.74	8.67	95.5	8.28
1.8	7.66	8.81	95.5	8.31
2.9	6.85	9.46	93.8	8.30
3.9	6.28	11.53	93.8	8.27
4.8	4.40	14.03	94.6	8.21
6.0	4.35	18.20	91.3	8.12
bottom (7.1)	0.68	29.01	87.1	7.93

STATION H 27 July 1982 2030

<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>
surface	6.44	8.19	96.3	8.26
1.3	6.03	8.45	95.5	8.25
2.2	5.68	9.89	94.6	8.18
3.3	5.87	11.18	93.8	8.14

Table [1]. Beaufort Sea Hydrographic Data (Cont'd)

<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>
4.3	4.22	13.41	96.3	8.16
5.3	3.64	17.20	93.8	8.04
6.5	0.33	28.39	95.5	8.10
7.6	1.48	28.71	93.8	8.02
8.7	1.56	28.79	97.1	8.01
bottom (9.9)	1.52	28.79	96.3	7.91

STATION I 28 July 1982 0055

<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>
surface	8.42	7.40	88.8	8.16
1.3	8.42	7.41	89.6	8.11
2.1	8.52	7.67	89.6	8.11
bottom (3.2)	8.37	7.97	88.0	8.04

STATION J 28 July 1982 0020

<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>
surface	8.13	7.63	88.0	7.91
1.5	8.10	7.63	88.0	7.83
2.3	8.12	7.66	88.8	7.65
bottom (3.3)	8.17	8.08	93.0	7.33

STATION K 27 July 1982 2222

<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>
surface	7.99	7.75	93.8	8.23
1.8	7.75	7.90	93.8	8.23
bottom (2.9)	7.71	8.04	94.6	8.24

STATION L 28 July 1982 0200

<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>
surface	7.87	7.20	85.5	8.20
1.4	7.88	7.12	86.3	8.19
bottom (2.0)	7.89	7.12	87.2	8.18

Table E1. Beaufort Sea Hydrographic Data (Cont'd)

<u>STATION M</u>		28 July 1982		0230	
<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>	
surface	8.03	7.28	89.6	8.19	
1.5	8.06	7.32	88.0	8.17	
2.5	8.13	7.55	91.3	8.16	
bottom (3.5)	7.97	8.16	93.8	8.11	
<u>STATION N</u>		28 July 1982		0245	
<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>	
surface	7.99	8.13	96.3	8.16	
1.3	8.00	8.11	96.3	8.16	
bottom (2.1)	8.00	8.12	97.1	8.16	
<u>STATION O</u>		28 July 1982		1515	
<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>	
surface	8.67	7.55	96.3	8.11	
1.0	8.64	7.44	94.6	8.02	
1.9	8.63	7.56	93.8	8.14	
bottom (2.8)	7.76	8.83	91.3	8.12	
<u>STATION P</u>		28 July 1982		1540	
<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>	
surface	8.51	8.02	95.5	8.26	
0.9	8.55	8.03	96.3	8.29	
1.6	8.51	8.02	96.3	8.26	
2.4	8.52	8.03	96.3	8.30	
3.3	7.85	8.62	97.1	8.31	
4.1	6.78	10.43	95.5	8.27	
5.1	0.20	26.32	93.8	8.02	
6.0	1.07	28.77	91.3	7.91	
bottom (6.8)	1.36	28.91	93.8	7.80	

Table E1. Beaufort Sea Hydrographic Data (Cont'd)

<u>STATION Q</u>		28 July 1982	1610		
<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>	
surface	5.29	8.73	98.7	8.30	
1.2	7.01	10.10	98.7	8.28	
2.1	6.95	10.12	98.7	8.28	
3.0	6.57	10.24	100	8.30	
4.0	4.01	13.86	100	8.25	
5.1	0.2 to 1.8	variable	90.5	8.16	
6.1	1.50	28.70	100	8.06	
7.0	1.51	28.78	100	8.05	
8.0	1.54	28.75	100	8.06	
9.0	1.60	28.80	100	8.02	
10.0	1.61	28.70	100	8.02	
10.9	1.62	28.73	100	8.01	
11.8	1.67	28.72	100	8.02	
12.7	1.65	28.73	100	8.00	
13.5	1.67	28.80	100	7.95	
bottom (14.4)	1.61	28.93	100	7.95	

<u>STATION R</u>		28 July 1982	1855		
<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>	
surface	9.47	8.17	85.8	8.21	
0.4	9.46	8.18	84.2	8.17	
0.9	9.44	8.17	84.2	8.20	
1.3	9.43	8.16	83.3	8.24	
1.8	9.45	8.27	81.2	8.23	
bottom (2.3)	9.03	8.57	73.7	8.19	

<u>STATION S</u>		28 July 1982	2010		
<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>	
surface	9.40	8.01	86.7	8.18	
0.4	9.42	8.03	86.7	8.19	
0.8	9.38	8.04	86.7	8.20	
1.2	9.42	8.04	85.8	8.16	
1.7	9.41	8.03	85.8	8.18	
bottom (2.1)	9.35	8.05	81.7	8.18	

* variable

Table E1. Beaufort Sea Hydrographic Data (Cont'd)

<u>STATION T</u>	28 July 1982	1935		
<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>
surface	9.38	8.19	84.2	8.17
0.7	9.39	8.18	84.2	8.16
1.2	9.35	8.18	83.2	8.18
1.6	9.35	8.17	82.2	8.16
bottom (2.1)	9.34	8.15	76.7	8.16

<u>STATION U</u>	29 July 1982	0140		
<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>
surface	9.83	8.74	59.2	8.18
0.5	9.90	8.71	61.7	8.20
bottom (1.0)	9.88	8.71	61.7	8.19

<u>STATION V</u>	29 July 1982	0120		
<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>
surface	9.42	9.25	84.2	8.18
0.7	9.43	9.24	84.2	8.19
1.0	9.42	9.24	84.2	8.19
1.3	9.44	9.24	84.2	8.18
bottom (1.6)	9.45	9.20	84.2	8.15

<u>STATION W</u>	29 July 1982	0050		
<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>
surface	8.13	8.82	83.3	8.20
1.1	8.06	8.81	88.0	8.23
1.9	8.11	8.88	84.7	8.25
2.5	8.14	8.96	89.6	8.26
3.2	8.16	9.00	95.5	8.30
4.0	8.00	9.08	100	8.29
4.7	5.71	17.35	94.6	8.19
4.9	1.81	22.97	94.6	8.17
5.1	0.02	27.24	97.9	8.13
5.3	0.71	27.71	98.8	8.05
5.8	1.29	28.47	100	8.01
6.5	1.56	28.55	98.8	8.02
bottom (7.3)	1.57	28.59	93.0	8.00

Table E1. Beaufort Sea Hydrographic Data (Cont'd)

<u>STATION D</u>		11 August 1982	1100		
<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>	
surface	1.97	14.51	95.5	8.38	
1.0	1.70	14.68	94.6	8.36	
1.5	1.70	14.96	94.6	8.36	
1.9	1.47	15.46	93.8	8.36	
2.4	1.30	15.68	94.6	8.35	
2.8	1.04	15.98	93.8	8.34	
3.3	0.50	18.88	94.6	8.32	
bottom (3.8)	1.17	28.98	94.6	8.18	

<u>STATION E</u>		11 August 1982	1125		
<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>	
surface	4.94	11.99	88.8	8.38	
1.2	4.94	11.98	88.8	8.39	
2.0	4.82	12.02	88.0	8.38	
3.1	3.68	12.67	90.5	8.35	
3.8	0.53	21.82	92.1	8.24	
bottom (4.6)	0.22	26.87	93.0	8.16	

<u>STATION F</u>		11 August 1982	1145		
<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>	
surface	2.64	13.25	93.0	8.32	
0.8	2.69	13.26	93.8	8.29	
1.4	2.71	13.24	93.0	8.28	
1.9	2.49	13.53	93.0	8.28	
2.3	2.23	13.59	93.0	8.29	
2.9	2.24	13.99	92.1	8.27	
3.4	0.77	28.46	92.1	8.24	
bottom (3.8)	1.11	28.94	93.0	8.12	

Table E1. Beaufort Sea Hydrographic Data (Cont'd)

STATION G 11 August 1982 1205

<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>
surface	1.93	13.24	96.3	8.30
1.0	1.97	13.22	95.5	8.30
2.2	1.88	13.26	94.6	8.33
3.3	1.71	15.32	93.0	8.31
4.4	1.33	28.55	97.9	8.10
5.4	1.50	28.63	97.1	8.06
6.4	1.51	28.76	97.1	8.03
bottom (7.3)	1.53	28.75	94.6	7.99

STATION H 11 August 1982 1225

<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>
surface	1.22	12.74	98.8	8.29
1.1	1.21	12.72	97.1	8.29
1.7	1.15	12.75	96.3	8.31
2.6	1.15	12.78	96.3	8.31
3.7	1.30	18.40	93.0	8.29
4.9	1.32	28.57	98.8	8.10
6.0	1.46	28.65	98.8	8.08
7.1	1.56	28.69	97.9	8.06
8.2	1.57	28.71	97.9	8.03
9.3	1.58	28.69	94.6	7.97
bottom (10.5)	1.58	28.72	95.5	8.00

STATION I 11 August 1982 1345

<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>
surface	5.20	12.07	81.5	8.19
0.9	5.22	12.00	80.8	8.14
1.6	4.84	12.31	84.7	8.20
2.1	3.53	13.32	88.0	8.13
2.5	2.80	13.91	86.7	8.20
bottom (2.9)	2.75	17.90	85.5	8.16

Table E1. Beaufort Sea Hydrographic Data (Cont'd)

<u>STATION J</u>		11 August 1982	1325		
<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>	
surface	3.38	13.33	91.3	8.19	
1.0	3.32	13.28	90.5	8.21	
1.7	3.40	13.31	89.6	8.20	
2.2	3.39	13.35	90.5	8.13	
2.8	3.35	13.29	89.6	8.14	
3.5	3.34	13.30	89.6	8.17	
bottom (3.9)	3.33	13.35	88.8	8.17	

<u>STATION K</u>		11 August 1982	1300		
<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>	
surface	2.90	11.22	92.1	8.22	
1.0	2.89	13.55	92.1	8.16	
1.3	2.90	13.61	92.1	8.15	
1.7	2.90	13.58	91.3	8.16	
2.3	2.84	13.61	91.3	8.18	
2.8	2.87	13.61	91.3	8.20	
3.1	2.85	13.60	90.5	8.19	
bottom (3.6)	2.83	13.60	90.5	8.16	

<u>STATION L</u>		11 August 1982	1425		
<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>	
surface	4.49	12.66	83.8	8.23	
0.8	4.44	12.63	84.7	8.16	
1.2	4.45	12.65	84.7	8.18	
1.6	4.40	12.66	84.7	8.18	
2.1	4.38	12.68	83.8	8.19	
bottom (2.5)	4.45	12.64	83.8	8.19	

<u>STATION M</u>		11 August 1982	1440		
<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>	
surface	4.68	11.94	82.4	8.17	
0.8	4.67	11.96	82.5	8.18	

Table E1. Beaufort Sea Hydrographic Data (Cont'd)

<u>STATION Q</u> 11 August 1982 1625				
<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>
surface	2.84	12.87	94.6	8.24
1.2	2.86	12.89	94.6	8.27
2.0	2.63	13.12	95.5	8.30
3.0	2.73	13.25	96.3	8.28
4.0	2.56	13.49	96.3	8.28
5.1	0.99	28.86	100	8.07
6.0	1.44	28.48	100	8.09
7.0	1.61	28.57	100	8.08
8.0	1.67	28.51	100	8.05
9.0	1.70	28.61	100	8.07
9.9	1.72	28.62	100	8.10
11.0	1.70	28.65	100	8.06
11.9	1.70	28.68	100	8.10
12.8	1.72	28.65	100	8.10
13.8	1.70	28.71	100	8.06
14.8	1.70	28.70	100	8.07
bottom (15.8)	1.70	28.66	100	8.05

<u>STATION R</u> 11 August 1982 2140				
<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>
surface	4.82	12.11	84.7	8.17
0.8	4.81	12.12	84.7	8.19
1.3	4.76	12.11	84.7	8.19
1.5	4.81	12.11	84.7	8.19
2.1	4.79	12.08	84.9	8.16
bottom (2.7)	8.42	12.11	83.8	8.18

<u>STATION S</u> 11 August 1982 2130				
<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>
surface	4.44	11.95	85.5	8.17
0.8	4.43	11.97	85.5	8.19
1.3	4.45	12.01	85.5	8.20
1.7	4.47	12.02	85.5	8.21
2.1	4.45	12.09	85.5	8.18
bottom (2.3)	4.47	12.16	84.7	8.16

Table E1. Beaufort Sea Hydrographic Data (Cont'd)

<u>STATION T</u>		11 August 1982	2115		
<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>	
surface	4.58	12.28	82.4	8.16	
0.7	4.60	12.27	82.6	8.21	
1.3	4.60	12.25	82.7	8.23	
1.8	4.61	12.23	82.6	8.17	
bottom (2.3)	4.61	12.43	83.8	8.22	

<u>STATION U</u>		11 August 1982	1814		
<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>	
surface	5.27	12.80	79.8	8.20	
1.0	5.35	12.61	78.9	8.21	
bottom (1.4)	4.62	13.82	83.8	8.21	

<u>STATION V</u>		11 August 1982	1755		
<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>	
surface	3.83	14.27	87.2	8.19	
0.9	3.83	14.28	87.2	8.20	
1.3	3.80	14.31	87.2	8.22	
bottom (1.6)	3.70	14.42	87.2	8.21	

<u>STATION W</u>		11 August 1982	1740		
<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>	
surface	4.48	13.60	92.1	8.22	
1.4	4.40	13.63	92.1	8.21	
2.5	4.11	13.83	93.8	8.24	
3.4	3.31	14.76	93.0	8.23	
4.4	1.73	26.53	97.1	8.17	
5.5	1.38	28.38	97.9	7.97	
6.5	1.45	28.48	97.9	8.00	
bottom (7.4)	1.44	28.50	97.5	8.94	

Table E1. Beaufort Sea Hydrographic Data (Cont'd)

Retrieval Phase

STATION O 8 September 1982 1310

<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>
surface	0.26	28.81	66.9	8.43
0.8	0.24	28.83	66.9	8.42
1.6	0.25	28.82	66.7	8.45
2.0	0.46	29.28	88.8	8.48
bottom (2.5)	0.61	29.26	88.8	8.47

STATION P 8 September 1982 2110

<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>
surface	0.95	28.96	98.8	8.15
0.9	0.95	28.96	98.8	8.15
1.8	0.95	28.95	98.8	8.14
3.2	0.95	28.96	98.0	8.13
4.2	0.95	28.95	98.8	8.12
5.2	0.96	28.96	98.0	8.12
6.4	0.94	28.96	98.0	8.11
bottom (7.7)	0.93	28.97	98.0	8.13

STATION Q 8 September 1982 2045

<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>
surface	0.85	28.65	92.1	8.12
1.5	0.84	28.64	97.9	8.14
3.1	0.84	28.62	97.9	8.13
4.4	0.88	28.63	97.9	8.14
5.7	0.84	28.67	97.1	8.14
6.7	0.86	28.70	97.9	8.13
7.8	0.87	28.68	97.9	8.10
8.9	0.92	28.85	97.9	8.12
9.7	1.13	28.91	97.9	8.08
10.9	1.29	29.07	100	8.07
12.3	1.31	29.03	100	8.07
12.7	1.32	29.11	100	8.06
13.6	1.33	29.11	100	8.04
14.0	1.32	29.15	100	8.06
bottom (14.2)	1.34	29.09	100	8.04

Table E1. Beaufort Sea Hydrographic Data (Cont'd)

<u>STATION R</u> 8 September 1982 1125					
<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>	
surface	0.09	26.77	77.0	8.20	
0.9	0.10	26.72	76.8	8.20	
1.5	0.10	27.59	68.5	8.24	
2.0	0.08	27.25	77.0	8.26	
bottom (2.3)	0.09	27.87	74.8	8.26	

<u>STATION S</u> 8 September 1982 1150					
<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>	
surface	0.33	28.92	83.8	8.10	
1.1	0.33	28.94	83.8	8.12	
1.8	0.32	28.94	83.8	8.10	
bottom (2.4)	0.35	28.92	82.6	8.10	

<u>STATION T</u> 8 September 1982 1210					
<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>	
surface	0.39	28.76	88.8	8.11	
1.0	0.35	28.73	88.8	8.14	
1.5	0.39	28.73	88.8	8.14	
bottom (2.2)	0.34	28.76	88.8	8.14	

<u>STATION V</u> 8 September 1982 1020					
<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>	
surface	0.53	28.50	87.2	8.19	
1.1	0.54	28.48	88.0	8.19	
1.2	0.51	28.57	87.2	8.19	
1.8	0.58	28.47	87.2	8.15	
bottom (2.1)	0.50	28.55	85.5	8.16	

Table E1. Beaufort Sea Hydrographic Data (Cont'd)

<u>STATION W</u>	8 September 1982		0958	
<u>Depth (m)</u>	<u>Temp.(°C)</u>	<u>Salinity (‰)</u>	<u>Transmissivity (%)</u>	<u>pH</u>
surface	0.67	28.54	97.1	8.19
0.9	0.67	28.62	97.1	8.24
1.9	0.70	28.55	97.1	8.17
3.0	0.76	28.53	97.1	8.31
3.8	0.72	28.63	97.1	8.18
4.7	0.90	28.64	97.1	8.15
5.3	0.89	28.85	97.9	8.19
6.0	1.23	29.03	100	8.18
bottom (7.0)	1.26	29.14	100	8.17

Appendix F: Index to Digital Data Products

Index to Digital Data Products

Meteorological Data

- Challenge Island: Wind speed and direction, gusts, air temperature, and barometric pressure.
- Barter Island: Wind speed and direction, air temperature, and barometric pressure.
- Barrow: Wind speed and direction.

Waves

- Subsurface pressure time series.
- Sea surface profile time series.
- Smoothed surface spectral density time series.
- Wave statistics time series.

Currents

- Speed and direction time series (NODC format).

Tides

- Averaged subsurface pressure time series.
- Averaged subsurface depth time series.
- Tidal time series.
- Surge time series.

Hydrographic and Water Quality

- STD profiles (NODC format).
- Water temperature and salinity time series (NODC format from current meters and pressure gauges).

Appendix G: Ice Observations

Table G1. Incidental Ice Observations.
 Exxon, Point Thomson Area, Summer 1982.

Date	Coverage	Size/Age	Movement
12 July	100% outside barrier islands; clear inside.	50-500' lengths; first year ice.	None
27-28 July	5% outside; clear inside.	Grounded ice, 50-100' lengths, along the 50' depth contour; first year ice.	None
2 August	50% outside; clear inside.	Grounded ice, 50-200' lengths, along the 30' depth contour trapped free movement of floe ice (10-50' lengths); first year ice.	Ice drift associated with prevailing winds and currents.
7-13 August	50% outside; occasional floe ice inside and in entrance.	Grounded ice, 50-200' lengths, along the 30-40' depth contour; 10-30' lengths inside; first year ice.	Little movement noted.
1-9 September	25-40% outside; 5-30% in entrance.	Grounded ice, 100-300' lengths, along the 30-40' depth contour; 10-50' lengths inside; first year ice.	Ice drift associated with prevailing winds and currents.

APPENDIX H

Index: Field Data Sheets

Instrument Setup/Shutdown Log

General Oceanics Meters

Endeco Meters

EFCOM Pingers

MRI Meteorological Station

Climate Meteorological Station

Science Association Inc. Microbarograph

Innerspace Releases

Peabody Ryan Thermograph

Drifters "Set up"

InterOcean/Marsh-McBirney

Sea Data

MiniRanger Transponder Sites vs. Code Numbers

Profiling Current Meter Locations/Sequences

Instrument Deployment/Recovery Logs by Stations

Hydrographic Field Log

**KINNETIC LABORATORIES, INC.
INSTRUMENT SETUP-SHUTDOWN LOG**

Page 1 of

Project: Point Thompson - Exxon

Date:

DAY	MONTH	YEAR	JULIAN DAY	*TIME MODE
17	July	82	198	ADST

ADST =
Alaska
Daylight
Savings Time
= Calif time
less 2 hrs

GO Setup

181 - June 30

*PST or PDT...

P
604

SETUP INFORMATION						
METER IDENTIFICATION	H(G.O.)	A*(G.O.)	X(G.O.)	C*(GO)	P(GO)	ZG
TIME CLOCK RESET	NA	NA	NA	NA	NA	NA
TIME RECORDER ACTIVATED	NA	NA	NA	NA	NA	NA
TIME OF FIRST MOVEMENT OF RECORDER TAPE	① 1116-30 ② 1146-30	① 1451 (12/2) ② 1521 " "	① 1251 ② 1321	① 1517 (12/1) ② 1547 "	① 1116-30 ② 1146-30	① 1116 ② 1146
SAMPLING INTERVAL (TIME BETWEEN BURST)	30 Min	30 Min	30 Min	30 Min	30 Min	30 Min
RECORDS/BURST	1	1	1	1	1	1
COMMENTS	(See Back)	tested and ok	new clock battery & new camera batteries	same as some trouble w/ timing all	has water "B" in meter C	same

Watch C is now in A1 meter B not working A1 meter B watch now in meter C

SHUTDOWN INFORMATION						
METER IDENTIFICATION						
TIME CLOCK OFF						
TIME POWER OFF						
COMMENTS						

SIGNATURE: Philip D. Carpenter

- OVER -

Meter A and C functioned well on setting other than $\frac{1}{2}$ hr. interval but not on that setting

therefore ~~it~~ took camera from Al meter B and put it into meter A.

ξ took camera from Al meter and put it into meter C.

(Al meters B & C now have cameras A & C, resp., in them!)

**KINNETIC LABORATORIES, INC.
INSTRUMENT SETUP-SHUTDOWN LOG**

Page 1 of 1

Project: Exxon, R. T. Hanson

Date:

DAY	MONTH	YEAR	JULIAN DAY	*TIME MODE
8	9	'82		ADST

*PST or PDT...

SETUP INFORMATION					
METER IDENTIFICATION		60.4			
TIME CLOCK RESET					
TIME RECORDER ACTIVATED		1800			
TIME OF FIRST MOVEMENT OF RECORDER TAPE					
SAMPLING INTERVAL (TIME BETWEEN BURST)		1 Hr.			
RECORDS/BURST		1			
COMMENTS	did not see new batteries but it works		Deployed with 635-11 SN/14417		

SHUTDOWN INFORMATION					
METER IDENTIFICATION					
TIME CLOCK OFF					
TIME POWER OFF					
COMMENTS					

SIGNATURE: _____

**KINNETIC LABORATORIES, INC.
INSTRUMENT SETUP-SHUTDOWN LOG**

Page 2 of

Project: Pt. Thompson - Exxon

Date:

DAY	MONTH	YEAR	JULIAN DAY	*TIME MODE
18	July	82	199	ADST

*PST or PDT...

Endeco Set up

There are some ENDEC data sheets of values

SETUP INFORMATION						
METER IDENTIFICATION	175	048	049	057	232	04:
TIME CLOCK RESET	① 2143 ② 2144 ←	① 1400 ② 1402 ← 29 July 82	2135 27 July 82	① 2135 ② 2136 ③ 2134 ←	① 2053 ② 2054 ←	
TIME RECORDER ACTIVATED	28 July 82 "	"	"	28 July 82	29 July "	
TIME OF FIRST MOVEMENT OF RECORDER TAPE	"	"	"	"	"	
SAMPLING INTERVAL (TIME BETWEEN BURST)	5 Min	5 Min	5 Min	5 Min	5 Min	5th
RECORDS/BURST	1	1	1	1	1	1
COMMENTS	tapes installed batteries installed/insulated timing changed to 5 Min from 2 Min.		trim weights installed			

SHUTDOWN INFORMATION						
METER IDENTIFICATION						
TIME CLOCK OFF						
TIME POWER OFF						
<i>last record time</i>						
COMMENTS						

SIGNATURE: Philip N. Carpenter

**KINNETIC LABORATORIES, INC.
INSTRUMENT SETUP-SHUTDOWN LOG**

Project: EXEM, Ft. Hovden

Date:

DAY	MONTH	YEAR	JULIAN DAY	*TIME MODE
4	9	82		ADST

*PST or PDT...

SETUP INFORMATION					
METER IDENTIFICATION	049				
TIME CLOCK RESET	<u>1st</u>	1808	2nd 1810		
TIME RECORDER ACTIVATED					
TIME OF FIRST MOVEMENT OF RECORDER TAPE					
SAMPLING INTERVAL (TIME BETWEEN BURST)		<u>set</u>			
RECORDS/BURST					
COMMENTS	New Batteries & TAPE				

SHUTDOWN INFORMATION					
METER IDENTIFICATION					
TIME CLOCK OFF					
TIME POWER OFF					
COMMENTS					

SIGNATURE: Pice

**KINNETIC LABORATORIES, INC.
INSTRUMENT SETUP-SHUTDOWN LOG**

Project: Exxon, Pfo. THANSON

Date:

DAY	MONTH	YEAR	JULIAN DAY	*TIME MODE
5	9	'82		ADST

*PST or PDT...

SETUP INFORMATION <i>Exxon 105 (Film)</i>					
METER IDENTIFICATION					
TIME CLOCK RESET		1325			
TIME RECORDER ACTIVATED		1325			
TIME OF FIRST MOVEMENT OF RECORDER TAPE		1335- 1350			
SAMPLING INTERVAL (TIME BETWEEN BURST)		1/2 Hr.			
RECORDS/BURST		1			
COMMENTS	<i>Film Footage: 42 Fl. New Batteries TRIZED</i>				

SHUTDOWN INFORMATION					
METER IDENTIFICATION					
TIME CLOCK OFF					
TIME POWER OFF					
COMMENTS					

SIGNATURE: *Pace*

**KINNETIC LABORATORIES, INC.
INSTRUMENT SETUP-SHUTDOWN LOG**

Project: Ph. Thompson - Eton

Date:

DAY	MONTH	YEAR	JULIAN DAY	*TIME MODE
18	July	82	199	ADST

EFCOM pingers

*PST or PDT...

SETUP INFORMATION					
METER IDENTIFICATION	27KHz	37KHz	37KHz		
TIME CLOCK RESET	NA	NA	NA		
TIME RECORDER ACTIVATED	NA	NA	NA		
TIME OF FIRST MOVEMENT OF RECORDER TAPE	NA	NA	NA		
SAMPLING INTERVAL (TIME BETWEEN BURST)	NA	NA	NA		
RECORDS/BURST	NA	NA	NA		
COMMENTS	set up for 6 Mb (2)	set up for 6 Mb (1)	set up for 3 Mb (3)		

SHUTDOWN INFORMATION					
METER IDENTIFICATION					
TIME CLOCK OFF					
TIME POWER OFF					
COMMENTS					

SIGNATURE: S. Pace

TO OPEN-RIGHT
 3- turns stop at
 LEFT-full turn
 past above No. to
 RIGHT-stop and
 pull shackle at

02369
 CODE NUMBER
 REMOVE & SAVE TAG

Made in U.S.A.

**KINNETIC LABORATORIES, INC.
INSTRUMENT SETUP-SHUTDOWN LOG**

← Lock for weather stn. combo.

Project: St. Thompson - Eyon

Date:

DAY	MONTH	YEAR	JULIAN DAY	*TIME MODE
18	July	82	199	ADST

MRI Weather station

*PST or PDT...

SETUP INFORMATION					
METER IDENTIFICATION					
TIME CLOCK RESET					
TIME RECORDER ACTIVATED					
TIME OF FIRST MOVEMENT OF RECORDER TAPE					
SAMPLING INTERVAL (TIME BETWEEN BURST)					
RECORDS/BURST					
COMMENTS	<i>fixed battery leads - set up initially for check out - problems to cables, connectors, & called in to M. Humbert of Arch for assistance</i>				

SHUTDOWN INFORMATION					
METER IDENTIFICATION					
TIME CLOCK OFF					
TIME POWER OFF					
COMMENTS					

SIGNATURE: _____

**KINNETIC LABORATORIES, INC.
INSTRUMENT SETUP-SHUTDOWN LOG**

Page 8 of

Project: H. Thompson - Ecoln

Date:

DAY	MONTH	YEAR	JULIAN DAY	*TIME MODE
21	July	8 ✓	202	ADST

Climate Wind Str.

*PST OR PDT...

SETUP INFORMATION					
METER IDENTIFICATION					
TIME CLOCK RESET		NA			
TIME RECORDER ACTIVATED		NA			
TIME OF FIRST MOVEMENT OF RECORDER TAPE		NA			
SAMPLING INTERVAL (TIME BETWEEN BURST)		NA			
RECORDS/BURST		NA			
COMMENTS	<i>functionality of both sensors and recording unit check out perfectly.</i>				

SHUTDOWN INFORMATION					
METER IDENTIFICATION					
TIME CLOCK OFF					
TIME POWER OFF					
COMMENTS					

SIGNATURE: _____

**KINNETIC LABORATORIES, INC.
INSTRUMENT SETUP-SHUTDOWN LOG**

Page 1 of 1

Project: Exxon P. Thompson Unit

Date:

DAY	MONTH	YEAR	JULIAN DAY	*TIME MODE
24	July	'82		

*PST or PDT...

SETUP INFORMATION				
METER IDENTIFICATION	Climate	MRI		
TIME CLOCK RESET	0100	0100		
TIME RECORDER ACTIVATED	"	"		
TIME OF FIRST MOVEMENT OF RECORDER TAPE	"	"		
SAMPLING INTERVAL (TIME BETWEEN BURST)	15min	15min		
RECORDS/BURST				
COMMENTS	Speed Direction ZEROED			

SHUTDOWN INFORMATION				
METER IDENTIFICATION				
TIME CLOCK OFF				
TIME POWER OFF				
COMMENTS				

SIGNATURE: [Signature]

**KINNETIC LABORATORIES, INC.
INSTRUMENT SETUP-SHUTDOWN LOG**

Project: Pl. Thompson - Elyon

Date:

DAY	MONTH	YEAR	JULIAN DAY	*TIME MODE
19	July	82	200	ADST

Science Assoc Inc. - Microbarograph *PST OR PDT...

SETUP INFORMATION					
METER IDENTIFICATION	NA				
TIME CLOCK RESET	NA				
TIME RECORDER ACTIVATED	NA				
TIME OF FIRST MOVEMENT OF RECORDER TAPE	NA				
SAMPLING INTERVAL (TIME BETWEEN BURST)	NA				
RECORDS/BURST	NA				
COMMENTS	<p><i>I set the time on chart w pen poin. to 1430 on DAY 4 (this corresponds to 19 JULY!) The pressure from Deadhorse Airport was 29.96" Hg - the pen poin. was set accordingly</i></p>				

ink OK

SHUTDOWN INFORMATION					
METER IDENTIFICATION					
TIME CLOCK OFF					
TIME POWER OFF					
COMMENTS					

SIGNATURE: Philip D. Ingersoll

**KINNETIC LABORATORIES, INC.
INSTRUMENT SETUP-SHUTDOWN LOG**

Project: Pt. Thompson - Elton

Date:

DAY	MONTH	YEAR	JULIAN DAY	*TIME MODE
20	July	82	201	ADST

Innerspace Releases

*PST or PDT...

SETUP INFORMATION					
METER IDENTIFICATION	A (code 8)	B (code 9)	C (code 0)		
TIME CLOCK RESET	NA	NA	NA		
TIME RECORDER ACTIVATED	NA	NA	NA		
TIME OF FIRST MOVEMENT OF RECORDER TAPE	NA	NA	NA		
SAMPLING INTERVAL (TIME BETWEEN BURST)	NA	NA	NA		
RECORDS/BURST	NA	NA	NA		
COMMENTS	<i>test hot works meter readings:</i> ✓ 1, 2, 5, 6 (2x)	✓ 0, 3, 1, 5, 3, 6, 7, 5 ✓ (2x)	✓ 0, 1, 5, 1, 5, 3, 6, 7, 5 ✓ (2x)	armed: A ✓ B ✓ C ✓ Transducer plug in place: A ✓ B ✓ C ✓	

SHUTDOWN INFORMATION					
METER IDENTIFICATION					
TIME CLOCK OFF					
TIME POWER OFF					
COMMENTS					

SIGNATURE: *Philip J. Carpenter*

**KINNETIC LABORATORIES, INC.
INSTRUMENT SETUP-SHUTDOWN LOG**

Project: Pt. Thompson - Ekron

Date:

DAY	MONTH	YEAR	JULIAN DAY	*TIME MODE
21	July	82	207	ADST

Peabody-Ryan Thermograph

*PST or PDT...

SETUP INFORMATION					
METER IDENTIFICATION	J-90 (65585)				
TIME CLOCK RESET	1045 set on chart paper (perm.) #44				
TIME RECORDER ACTIVATED	1045				
TIME OF FIRST MOVEMENT OF RECORDER TAPE	min.				
SAMPLING INTERVAL (TIME BETWEEN BURST)	cont.				
RECORDS/BURST	—				
COMMENTS	- batt. ok - looks like it works fine -				

SHUTDOWN INFORMATION					
METER IDENTIFICATION					
TIME CLOCK OFF					
TIME POWER OFF					
COMMENTS					

SIGNATURE: Philip J. Carpenter

**KINNETIC LABORATORIES, INC.
INSTRUMENT SETUP-SHUTDOWN LOG**

Page 9 of

Project: Pt. Thompson - Epsilon

Date:

DAY	MONTH	YEAR	JULIAN DAY	*TIME MODE
22	July	82	203	ADST

Drifter "Setup"

*PST or PDT...

SETUP INFORMATION					
METER IDENTIFICATION	NA				
TIME CLOCK RESET	NA				
TIME RECORDER ACTIVATED	NA				
TIME OF FIRST MOVEMENT OF RECORDER TAPE	NA				
SAMPLING INTERVAL (TIME BETWEEN BURST)	NA				
RECORDS/BURST	NA				
COMMENTS	<i>Cards labeled thus:</i> <i>400 labeled U-1, U-2</i> <i>200 " S-1, S-2</i>				
			<i>U-1 → bottom exp. #1</i> <i>U-2 " " #2</i> <i>S-1 surface " #1</i> <i>S-2 " " #2</i>		

SHUTDOWN INFORMATION					
METER IDENTIFICATION					
TIME CLOCK OFF					
TIME POWER OFF					
COMMENTS					

SIGNATURE: _____

**KINNETIC LABORATORIES, INC.
INSTRUMENT SETUP-SHUTDOWN LOG**

Page ___ of ___

Project: Pt. Thomson - Exxon

Date:

DAY	MONTH	YEAR	JULIAN DAY	*TIME MODE
28	July	1982		ADST

*PST or PDT...

SETUP INFORMATION					
METER IDENTIFICATION	IO/MMI				
TIME CLOCK RESET	2035				
TIME RECORDER ACTIVATED	2035				
TIME OF FIRST MOVEMENT OF RECORDER TAPE	5035, 10 sec				
SAMPLING INTERVAL (TIME BETWEEN BURST)	0.5 hr.				
RECORDS/BURST	32				
COMMENTS					

SHUTDOWN INFORMATION					
METER IDENTIFICATION					
TIME CLOCK OFF					
TIME POWER OFF					
COMMENTS					

SIGNATURE: _____

**KINNETIC LABORATORIES, INC.
INSTRUMENT SETUP-SHUTDOWN LOG**

Page 11 of

Project: Edon - Pt. Thompson

Date:

DAY	MONTH	YEAR	JULIAN DAY	*TIME MODE
23	July	82		ADST

24 July

*PST or PDT...

SETUP INFORMATION					
METER IDENTIFICATION	635-11	635-12			
TIME CLOCK RESET	2115				
TIME RECORDER ACTIVATED	2115				
TIME OF FIRST MOVEMENT OF RECORDER TAPE	7:12 EIS Mintide # Scan Lt.				
SAMPLING INTERVAL (TIME BETWEEN BURST)	Wave: 4hr. 2048 Samp 0.5 sec	Wave: 4hr. 1024 Samp 0.5 sec			
RECORDS/BURST	Tide: 8x/hr. 61 dump tot.	Wave: 2x/hr. 61 dump tot.			
COMMENTS	checks out fine. purged w/ fresh & sealed up	* Mean: 1, Temp 1, Vx, Vy 1, Dis 1, Water Height * res track for VDM data		measurements per interval	

SHUTDOWN INFORMATION					
METER IDENTIFICATION					
TIME CLOCK OFF					
TIME POWER OFF					
COMMENTS					

SIGNATURE: Philip D. Carpenter

VDM readouts

current measurements

818D98F0F68D99F6F68D990
 3F58D97E2F68D9806F78D98E
 EFFD9D96FFF88D98FDF900

Battery voltage: logic 14.6V (typ=13.5-15.0)

motor: 16.39 (15-18)
 Vm+: 9.04 (8-9)
 Vm-: -9.02 (-8-9)

current sensor in water - at rest
 (Voltage of sensor ~ 0.02 at each)

of Vx, Vy
 wave current Vx
 current Vy
 8ED5 F3 F4 8ED4 F 3F5 8ED5 F2
 8ED5 F3 F4 8ED5 F3 F4 8ED4 F3
 8ED5 F3 F4 8ED4 F2 F3 00

currents

logic

paras ?

Vm+

Vm-

Compass

standby operate

0.9(0.9) 13.5 (2.7-13)

0 (0) +18.4-19.6 (120)

0 (0) -18.4-19.6 (-20)

0 (0) 40 (220)

LOOKS FINE

(like example data from Sea Data)

idle 400002B0 8668A 6689 6689 6689
 668B 668A 668A 668B 668A 87D6
 4EA 4E2 0 0 0 0 0 0 0 0 0 0

8668A = pressure

$$8(65536) + 4096(6) + 256(6) + 8(16) + 10$$

$$524288 + 24576 + 1536 + 128 + 10$$

$$= 550,538 \text{ counts} \Rightarrow \text{looks good!}$$

$$87D6 = \text{Temp} = 8(4096) + 7(256) + 13(16) + 6$$

$$= 32768 + 1792 + 208 + 6$$

$$= 34774 \text{ counts} \Rightarrow \sim 14.9^\circ \text{ OK!}$$

~~ready to deploy~~ - tape labeled ✓

Compass check - not responding! doing the compass check out
 madam, plus the checks recommended by Tony from Sea Data (connect pins 13 &
 33 and run cycle; if get 200-250 mV reading in a cycle, then compass is bad; if
 don't get 200-250 mV, then board DC-28 is bad) makes it sound like a bad compass
 one is being sent ASAP. also connecting pins 9 & 10 gives reading 8 FF,
 further proving that board is ok.

**KINNETIC LABORATORIES, INC.
INSTRUMENT SETUP-SHUTDOWN LOG**

Project: From R. Thomson

Date:

DAY	MONTH	YEAR	JULIAN DAY	*TIME MODE
4	9	'82		ADST

*PST or PDT...

SETUP INFORMATION					
METER IDENTIFICATION	SN/3385	635-11			
TIME CLOCK RESET		1250			
TIME RECORDER ACTIVATED		1255			
TIME OF FIRST MOVEMENT OF RECORDER TAPE					
SAMPLING INTERVAL (TIME BETWEEN BURST)		0.5			
RECORDS/BURST		2018			
COMMENTS	Burst Interval TIDE/Hr.	4 8			

SHUTDOWN INFORMATION					
METER IDENTIFICATION					
TIME CLOCK OFF					
TIME POWER OFF					
COMMENTS					

SIGNATURE: _____

**KINNETIC LABORATORIES, INC.
INSTRUMENT SETUP-SHUTDOWN LOG**

Page 1 of 1

Project: Exxon, Pt Thomson

Date:

DAY	MONTH	YEAR	JULIAN DAY	*TIME MODE
8	9	'82		ADST

*PST or PDT...

SETUP INFORMATION					
METER IDENTIFICATION		635-11			
TIME CLOCK RESET		1705			
TIME RECORDER ACTIVATED		1710			
TIME OF FIRST MOVEMENT OF RECORDER TAPE		-			
SAMPLING INTERVAL (TIME BETWEEN BURST)		0.5			
RECORDS/BURST		2048			
COMMENTS	Burst Into Tidy/Hr.	4 8	new replaced	new tape	635-12

SHUTDOWN INFORMATION					
METER IDENTIFICATION					
TIME CLOCK OFF					
TIME POWER OFF					
COMMENTS					

SIGNATURE: [Signature]

KINNETIC LABORATORIES, INC.
FIELD NOTES

Page 1 of

STUDY: Exxon Ft. Thompson
STATION: Mini RANGER TRANSPONDERS
DATE: 26 July 1987 TIME: 1900

Observations:

<u>Code</u>	<u>LOCATION</u>
1	Cape
2	Buller Point
3	Flaxman Island
4	Challenge Island

KINNETIC LABORATORIES, INC.
FIELD NOTES

Page _____ of _____

STUDY: Exxon - Pt. Thompson

STATION: ^{profiling} Current meter Stns. ~~3~~ - S. of A.K. Is.

DATE: 27 July 81 **19** **TIME:** _____

Observations:

on tape labeled Currents. progression is:

1st record: Station 5 going from top to bottom in 1/2 M increments starting at 1/2 M - ignore ^{only} 1st record ~10 sec at ea. level

2nd record: Station 4 as 5

3rd record: Station 3 - done as others

4th record: Station 7, 8 or Q - ~~at~~ at 1/2 M from Surf.

~~1st record~~ 20 records

5th record - Stn 7, 8 1.5 M. 20 records

6th " " 2.5 M "

7th " " 3.5 M "

8th " " 4.5 M "

9th " " 5.5 M 30

10th " " 6.5 M 20

11th " " 7.5 M "

12th " " 8.5 M "

13th " " 9.5 M "

14th " " 10.5 " "

15th " " 11.5 " "

records
TO casts for
time - imm full
↓
28 July
1620-1630

KINNETIC LABORATORIES, INC.
FIELD NOTES

Page ____ of ____

STUDY: _____

STATION: _____

DATE: _____ **19** _____ **TIME:** _____

Observations:

16 th	- Stn 7, 8	12.5 M	20 records.
17 th	"	13.5 M	"
18 th	"	14.5 M	"
19 th	"	15.5 M	"
20 th	"	16.5 M	" Bottom
#1 ST	Stn 10 - start at 1/2 M, down by 1/2 M		
	incr - new Tape # 2		
	20 records per level - taken at 1845-1850		
	on 28 July 82		
	# 2 record - Stn 12 - 1/2 M start, 1/2 M incr.		
	20 records/level taken at 1930 - 1945, 28 July 82		
	# 3 record - Stn 12 - 1/2 M start, 1/2 M inc.		
	20 records/level - taken at 2010 - 2020 28 July		

2nd tape

**KINETIC LABORATORIES, INC.
INSTRUMENT DEPLOYMENT**

LOG

Page 1 of 2

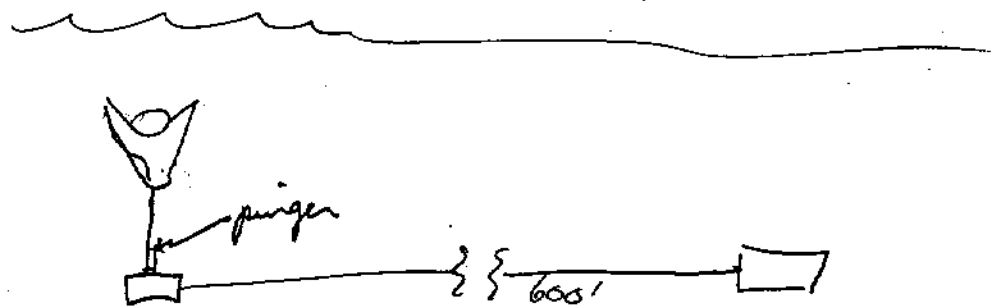
Project: Pt. Thompson ^{Etton} Station: 1B (D)

Date:

DAY	MONTH	YEAR	JULIAN DAY	TIME MODE*
27	July	8 ✓		ADST

*PST or PDT...

INSTRUMENT IDENTIFICATION	P(60)				
Time Meter Activated	1748				
Position in Set (Top, Middle, Bottom)	Mid				
Time Into Water	1750				
Time in Position	1750				



SURFACE TEMPERATURE OR OTHER PHYSICAL MEASUREMENTS:

WEATHER SUMMARY:

N.E wind - sl., cool, sunny

PERSONNEL: *Bob Gordon (Etton P.R.), Pace, Teas, Carpenter*

SIGNATURE: *Philip D. Carpenter*

**KINNETIC LABORATORIES, INC.
INSTRUMENT DEPLOYMENT LOG
FIELD INFORMATION**

Page 1 of 2

Project: Pt. T. Euron Station: 1B

Instruments Deployed: G.O. film - P

Bottom Depth: 12' m

Date:

DAY	MONTH	YEAR	TIME MODE*
27	July	82	ADST

*PST or PDT...

Station Location:

RANGES:		Radar <input type="checkbox"/>	Miniranger <input type="checkbox"/>
RANGE	UNITS (miles, meters)	CHANNEL (or radar scale)	SOURCE OR LANDMARK
2 1/2 mi	Miles		Net. Tower on Challenge
3 1/2 mi	Miles		Bullen Pt. Racon
1: (A)6610 X 4434 (B)		2: (A)6622 (B)4281	

A = 2 = Bullen
B = 4 = Chall.

BEARINGS:		
DEGREES	TRUE OR MAGNETIC	LANDMARK
97°	Mag	Net tower on Challenge Is
167°	"	Bullen Pt. Racon

STATION LOCATION: (Rough Description)

Challenge Entrance off Bullen Pt.

Latitude _____ N Longitude _____ W Zone _____ Calif. _____

Sketch of Set:

(Include distances between buoy, meters, anchors and meter ident.)

line bearing from 2° to 1° = 275° M
28 KHz pinger attached (heard loudly at
26.9 KHz setting)

**KINNETIC LABORATORIES, INC.
INSTRUMENT RECOVERY LOG**

Page 1 of 1

Project: Exxon, Ft. Thompson

STATION: ¹⁸(D)

DATE:

DAY	MONTH	YEAR	JULIAN DAY	*TIME MODE
3	9	82		ADST

*PST or PDT...

METER IDENTIFICATION	P (GO)						
POSITION IN SET (Top, Middle, Bottom)	MID						
TIME OUT OF WATER	1027 h						
TIME METER DEACTIVATED	1030 h						
<p>CONDITION OF MOORING SET AND METERS:</p> <p>part of tag line in tangle at water.</p> <p>∴ Meter WAS Draggged by MiniRanger Diver</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>Mini Ranger</td> <td>stood while used</td> </tr> <tr> <td>A - 6335</td> <td>B - 4695</td> </tr> <tr> <td></td> <td>6610 & 4434</td> </tr> </table>		Mini Ranger	stood while used	A - 6335	B - 4695		6610 & 4434
Mini Ranger	stood while used						
A - 6335	B - 4695						
	6610 & 4434						
<p>CURRENT REGIME AND SEA CONDITIONS AT TIME OF RECOVERY:</p> <p>light chop</p>							
<p>WEATHER SUMMARY:</p> <p>light breeze from N.E. - Floe ice</p>							
<p>PERSONNEL:</p> <p>Tees Marty Savona Pace</p>							
<p>SIGNATURE: <u>X. Tees</u></p>							

**KINNETIC LABORATORIES, INC.
INSTRUMENT DEPLOYMENT**

LOG

Page 1 of 2

Project: Pt. Thompson Eson **Station:** 3 (I)

Date:

DAY	MONTH	YEAR	JULIAN DAY	TIME MODE*
28	July	82		ADST

*PST or PDT...

INSTRUMENT IDENTIFICATION	GO(H)				
Time Meter Activated	0120				
Position in Set (Top, Middle, Bottom)	Mid				
Time Into Water	0122				
Time in Position	0122				

10' deep

SURFACE TEMPERATURE OR OTHER PHYSICAL MEASUREMENTS:

WEATHER SUMMARY:

Cold, Clear, calm

PERSONNEL: *Teas, Gordon, Pace, Carpenter*

SIGNATURE: *Philip D. Carpenter*

**KINNETIC LABORATORIES, INC.
INSTRUMENT DEPLOYMENT LOG
FIELD INFORMATION**

Page 2 of 2

Project: Pt. Thompson - Eureka Station: B

Instruments Deployed: N.O. - meter H

Bottom Depth: 10'

Date:

DAY	MONTH	YEAR	TIME MODE*
28	July	82	ADST

*PST or PDT...

Station Location:

RANGES:		Radar	Miniranger	
RANGE	UNITS (miles, meters)	CHANNEL (or radar scale)	SOURCE OR LANDMARK	
1°: (A)	10831	(2) (A)	10662	
(B)	5510	(D)	5350	

BEARINGS:		
DEGREES	TRUE or MAGNETIC	LANDMARK

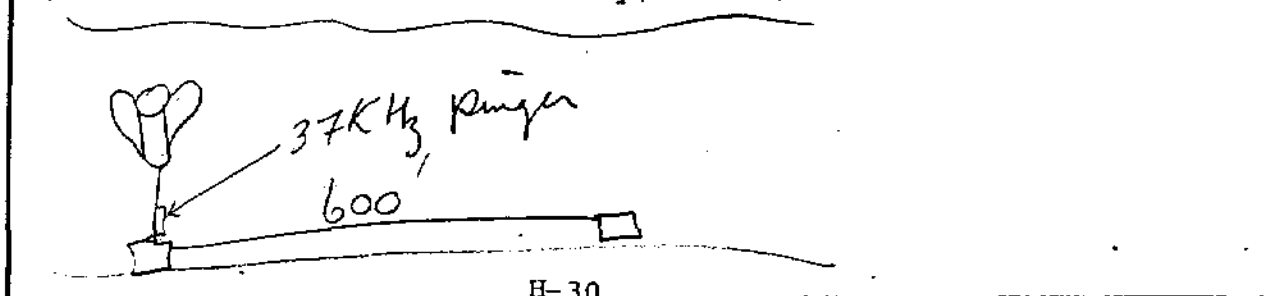
STATION LOCATION: (Rough Description)

Inshore of 3 - south of Ak. Is.

Latitude _____ N Longitude _____ W Calif. Zone _____

Sketch of Set:

(Include distances between buoy, meters, anchors and meter ident.)



KINNETIC LABORATORIES, INC.
INSTRUMENT RECOVERY LOG

Page 1 of 1

Project : EXXON PLO THOMSON

STATION: (3) I

DATE:

DAY	MONTH	YEAR	JULIAN DAY	*TIME MODE
3	9	'82		ADST

*PST OR PDT...

METER IDENTIFICATION	"H" G.O.				
POSITION IN SET (Top, Middle, Bottom)	Mid				
TIME OUT OF WATER	1448				
TIME METER DEACTIVATED	1455 (if ever turned on!)				
CONDITION OF MOORING SET AND METERS:					
<p style="text-align: center;"><u>Finger NOT COOPERATING!</u></p>					
<p style="text-align: center;">found at</p> <table style="width: 100%;"> <tr> <td style="text-align: center;">A</td> <td style="text-align: center;">B</td> </tr> <tr> <td style="text-align: center;">1.0567</td> <td style="text-align: center;">5337</td> </tr> </table>	A	B	1.0567	5337	<p style="text-align: center;">Meter MAY NOT HAVE been turned on when deployed!</p>
A	B				
1.0567	5337				
CURRENT REGIME AND SEA CONDITIONS AT TIME OF RECOVERY:					
<p style="text-align: center;">5-7 KNOTS, N.E. BAROMETER: 1023 mb. NO ice</p>					
WEATHER SUMMARY:					
<p style="text-align: center;">Fog; 1/10 mile vis.</p>					
PERSONNEL:					
<p style="text-align: center;">Kenta, Seabrook, ...</p>					
SIGNATURE: <u>Fell</u>					

**KINNETIC LABORATORIES, INC.
INSTRUMENT DEPLOYMENT**

LOG

(E) Page 1 of 2

Project: Pt. Thompson - Canion Station: 4 - Center Ak Is Trammel

Date:

DAY	MONTH	YEAR	JULIAN DAY	TIME MODE*
29	July	82		ADST

*PST or PDT...

INSTRUMENT IDENTIFICATION	Endeco 237				
Time Meter Activated	① 2053 ② 2054				
Position in Set (Top, Middle, Bottom)	~ 6' mid				
Time Into Water	2104				
Time in Position	2104				

SURFACE TEMPERATURE OR OTHER PHYSICAL MEASUREMENTS:

WEATHER SUMMARY:

cold, fog, N.E winds 15-18

PERSONNEL: *Pace, Gordon, Cameron*

SIGNATURE:

Philip D. Carpenter

**KINNETIC LABORATORIES, INC.
INSTRUMENT DEPLOYMENT LOG
FIELD INFORMATION**

Page 2 of 2

Project: Pt. Thomson Station: 4

Instruments Deployed: Endeco - 232

Bottom Depth: 12-13'

Date:

DAY	MONTH	YEAR	TIME MODE*
29	July	82	ADST

*PST or PDT...

Station Location:

RANGES:		Radar <input type="checkbox"/>	Miniranger <input type="checkbox"/>
RANGE	UNITS (miles, meters)	CHANNEL (or radar scale)	SOURCE OR LANDMARK
1° (A) (B)	15655 7751	2° 15848 (A) 7556 (B)	
(A) = Camp site #1			
(B) = Buller Pt #2			

BEARINGS: <u>Too rough to take</u>		
DEGREES	TRUE or MAGNETIC	LANDMARK

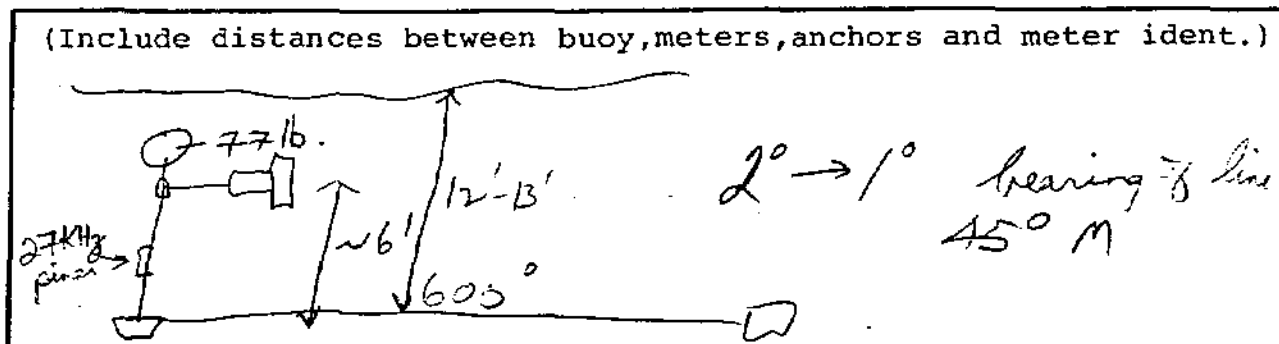
STATION LOCATION: (Rough Description)

Center of lagoon - S of AK-Challenge Is.

Latitude _____ N Longitude _____ W Zone ____: ____

Calif. _____

Sketch of Set:



**KINNETIC LABORATORIES, INC.
INSTRUMENT RECOVERY LOG**

Page 1 of 1

Project : Exxon, H. Hanson

STATION: 4^(E)

DATE:	DAY	MONTH	YEAR	JULIAN DAY	*TIME MODE
	3	9	82		ADST

*PST or PDT...

METER IDENTIFICATION	Eidico A-232						
POSITION IN SET (Top, Middle, Bottom)	Mid						
TIME OUT OF WATER	1834						
TIME METER DEACTIVATED	1204 L (9/4/82)						
CONDITION OF MOORING SET AND METERS:							
<p align="center">NOT EVEN CLOSE TO ORIGINAL TRIM RANGER COORDINATES</p> <table border="1"> <tr> <td>foundat A</td> <td>B</td> <td rowspan="2">Found 0/ Pinger → thorough SEARCH pattern.</td> </tr> <tr> <td>7560</td> <td>3854</td> </tr> </table>			foundat A	B	Found 0/ Pinger → thorough SEARCH pattern.	7560	3854
foundat A	B	Found 0/ Pinger → thorough SEARCH pattern.					
7560	3854						
CURRENT REGIME AND SEA CONDITIONS AT TIME OF RECOVERY:							
Light chop							
WEATHER SUMMARY:							
5-7 KNOTS, N.E. Fog. Variable Vis.							
PERSONNEL:							
SADDIE, NEWTZ, PAGE, TEAS							
SIGNATURE: <u>Page</u>							

**KINNETIC LABORATORIES, INC.
INSTRUMENT DEPLOYMENT**

LOG

Page 1 of 2

Project: Pt. Thompson - Custer Station: 5 (K)

Date:	DAY	MONTH	YEAR	JULIAN DAY	TIME MODE*
	27	July	82		ADST

*PST or PDT...

INSTRUMENT IDENTIFICATION	GOX				
Time Meter Activated	was on for undeter time				
Position in Set (Top, Middle, Bottom)	Mid				
Time Into Water	2206				
Time in Position	2206				

SURFACE TEMPERATURE OR OTHER PHYSICAL MEASUREMENTS:

WEATHER SUMMARY:

Cold, Clear, Calm

PERSONNEL: *Teas, Pace, Gordon, Carpenter*

SIGNATURE: *Philip D. Carpenter*

**KINNETIC LABORATORIES, INC.
INSTRUMENT DEPLOYMENT LOG
FIELD INFORMATION**

Page 2 of 2

Project: Pt. Thompson - Gannon Station: 5

Instruments Deployed: ~~2~~ G.O. Fisher meter X

Bottom Depth: 9'

Date:

DAY	MONTH	YEAR	TIME MODE*
27	July	82	ADST

*PST or PDT...

Station Location:

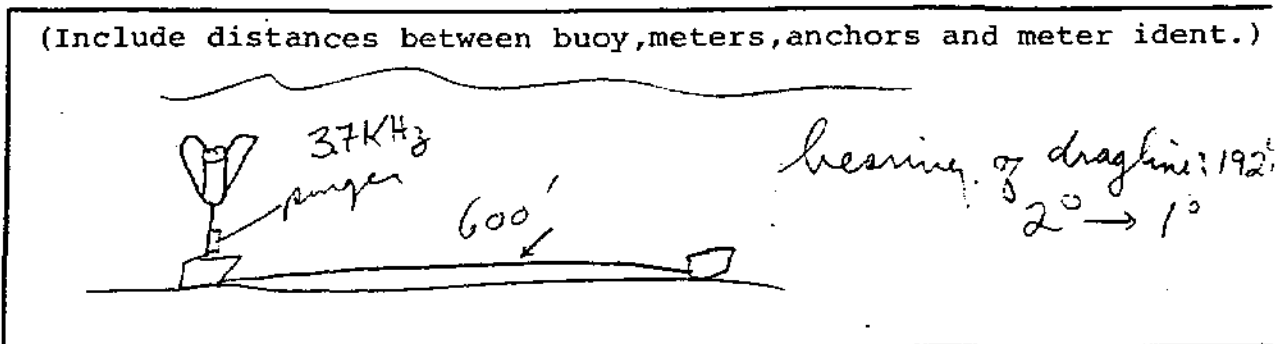
RANGES: Radar <input type="checkbox"/> Miniranger <input type="checkbox"/>			
RANGE	UNITS (miles, meters)	CHANNEL (or radar scale)	SOURCE OR LANDMARK
1 st (A) 11393 (B) 3020	2 nd (A) 11587 (B) 3113		
1 1/10 th	Mile		Challenge Is Met. Tower
1 1/2	"		Ak. Is. Rig

BEARINGS:		
DEGREES	TRUE or MAGNETIC	LANDMARK
80°	M	Net tower
40°	M	Ak. Is. Rig

STATION LOCATION: (Rough Description)

Latitude _____ N Longitude _____ W Zone ____: _____ Calif. _____

Sketch of Set:



**KINNETIC LABORATORIES, INC.
INSTRUMENT RECOVERY LOG**

Page 1 of

Project : Exxon, Ft. Hanson STATION: 5(K)

DATE:

DAY	MONTH	YEAR	JULIAN DAY	*TIME MODE
3	9	'82		ADST

*PST or PDT...

METER IDENTIFICATION	60 X
POSITION IN SET (Top, Middle, Bottom)	Mid
TIME OUT OF WATER	1403
TIME METER DEACTIVATED	1415

CONDITION OF MOORING SET AND METERS:
Found in Good condition

Found	
A	B
11301	3021

CURRENT REGIME AND SEA CONDITIONS AT TIME OF RECOVERY:
Fog 5-10 knots, N.E.
Barometer: 1024 mb.
Floe ice minimal

WEATHER SUMMARY:

PERSONNEL:
TEAS, SAUER, [unclear]

SIGNATURE: Ree

**KINNETIC LABORATORIES, INC.
INSTRUMENT DEPLOYMENT**

LOG

Page 1 of 2

Project: Pt. Thomson - Ecosia Station: Co(O) Mary Saco Ents.

Date:

DAY	MONTH	YEAR	JULIAN DAY	TIME MODE*
28	July	82		ADST

*PST or PDT...

INSTRUMENT IDENTIFICATION	Endeco A049				
Time Meter Activated	2135 27 July				
Position in Set (Top, Middle, Bottom)	Mid depth ~6'				
Time Into Water	1525				
Time in Position	1525				

SURFACE TEMPERATURE OR OTHER PHYSICAL MEASUREMENTS:

WEATHER SUMMARY:

Clear, cool-warm, N.E. winds ~~2-3~~ 5-8 kts.

PERSONNEL: Carpenter, Gordon, Teas, Pace

SIGNATURE:

Philip D. Carpenter

**KINNETIC LABORATORIES, INC.
INSTRUMENT DEPLOYMENT LOG
FIELD INFORMATION**

Page 2 of 2

Project: Pt. Thomson Station: 6

Instruments Deployed: Endeco - A049

Bottom Depth: 12' m

Date:

DAY	MONTH	YEAR	TIME MODE*
28	July	82	ADST

*PST or PDT...

Station Location:

RANGES:		Radar <input type="checkbox"/> Miniranger <input type="checkbox"/>	
RANGE	UNITS (miles, meters)	CHANNEL (or radar scale)	SOURCE OR LANDMARK
A01 (A) B	3670 20' 1047	① 3423 ② 9996	
2000	2 1/2 Miles	Radar	North Star Rig
	5 1/4 "	"	AK. Is. Rig

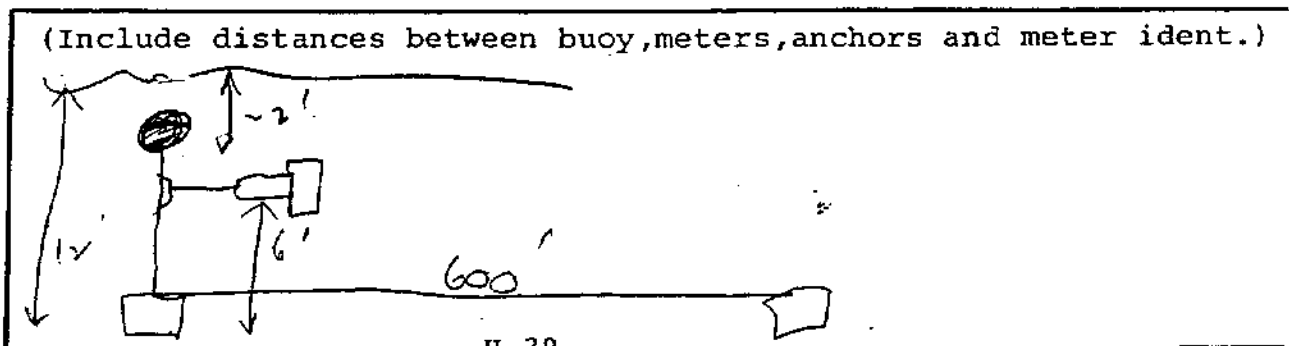
A = Camp 1
B = Flax 2

BEARINGS: <u>2 8/10 mi</u>		
DEGREES	TRUE OR MAGNETIC	LANDMARK
265	M	North Star Rig
250	M	AK. Is "

STATION LOCATION: (Rough Description)
Mary Sacs Entr. - off E. end of Flaxman Is.

Latitude _____ N Longitude _____ W Zone _____ : _____
Calif. _____ N
E

Sketch of Set:



**KINNETIC LABORATORIES, INC.
INSTRUMENT RECOVERY LOG**

Page 1 of 1

Project : Expedition to Tharion **STATION:** (60) St. Mary Sound

DATE :

DAY	MONTH	YEAR	JULIAN DAY	*TIME MODE
4	9	'82		ADST

*PST or PDT...

METER IDENTIFICATION	Endeco 049
POSITION IN SET (Top, Middle, Bottom)	Mid.
TIME OUT OF WATER	1742
TIME METER DEACTIVATED	1800
CONDITION OF MOORING SET AND METERS: meter was floating on surface long	
<div style="border: 1px solid black; padding: 5px; width: fit-content;"> <p>found at 0</p> <p>3245 10458</p> </div>	
CURRENT REGIME AND SEA CONDITIONS AT TIME OF RECOVERY:	
<p align="center">CALM Floe ice present</p>	
WEATHER SUMMARY:	
<p align="center">3-STRUTS, No E.</p>	
PERSONNEL:	
<p align="center">FACE, SAWIE, NERTZ, TENG</p>	
SIGNATURE: <u>Face</u>	

**KINNETIC LABORATORIES, INC.
INSTRUMENT DEPLOYMENT**

LOG

Page 1 of 2

Project: Pt. Thompson Emission Station: F(P) offshore Navy Seco.

Date:

DAY	MONTH	YEAR	JULIAN DAY	TIME MODE*
29	July	82		ADST

*PST or PDT...

INSTRUMENT IDENTIFICATION	Endeco A-048				
Time Meter Activated	① 1400 ② 1402				
Position in Set (Top, Middle, Bottom)	mid depth ~ 14' depth				
Time Into Water	1530				
Time in Position	1530				

SURFACE TEMPERATURE OR OTHER PHYSICAL MEASUREMENTS:

WEATHER SUMMARY:

Fog, ~~NE~~ winds 10-12, cold

PERSONNEL:

Pace, Carpenter

SIGNATURE:

Philip D. Carpenter

**KINNETIC LABORATORIES, INC.
INSTRUMENT DEPLOYMENT LOG
FIELD INFORMATION**

Page 2 of 2

Project: Exxon - Pt. Thomas Station: 7 - offshore Mary S.

Instruments Deployed: Esdec A048

Bottom Depth: 26'

Date:

DAY	MONTH	YEAR	TIME MODE*
29	July	82	ADST

*PST or PDT...

Station Location:

RANGES:		Radar <input type="checkbox"/>	Miniranger <input type="checkbox"/>
RANGE	UNITS (miles, meters)	CHANNEL (or radar scale)	SOURCE OR LANDMARK
1°: (A) (B)	5325 9161	2° (A) 5297 (B) 9293	
2 1/4	Miles	20 Radar	Camp
2 3/4	"	"	N. Star Rig

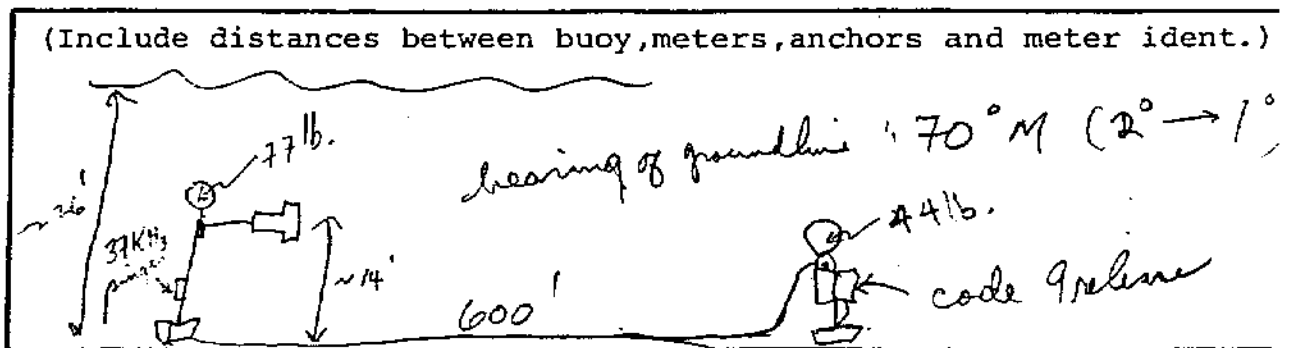
A = Camp
B = Flare
↓

BEARINGS:		
DEGREES	TRUE OR MAGNETIC	LANDMARK
150°	M	Camp
242	M	N. Star Rig

STATION LOCATION: (Rough Description)
outside islands at Mary Sacks Entr. - 1/2 Miles out.

Latitude _____ N Longitude _____ W Zone _____ Calif. _____

Sketch of Set:



**KINNETIC LABORATORIES, INC.
INSTRUMENT RECOVERY LOG**

Page 1 of 1

Project : FLAXMAN P.T. THOMSON STATION: 7(P)

DATE:	DAY	MONTH	YEAR	JULIAN DAY	*TIME MODE
	4	9	'82		ADST

*PST or PDT...

METER IDENTIFICATION	A-048
POSITION IN SET (Top, Middle, Bottom)	TOP
TIME OUT OF WATER	1414
TIME METER DEACTIVATED	1440
CONDITION OF MOORING SET AND METERS:	
<p align="center">Release manual <u>NOT</u> Functioning, LOW VOLTAGE</p>	
<p>Found at FLAXMAN 9271</p>	<p>P.T. THOMSON 5264</p>
tag line set at 200°, not 70°	
CURRENT REGIME AND SEA CONDITIONS AT TIME OF RECOVERY:	
<p align="center">CALM Wind: 0 - 5 knots, NE</p>	
WEATHER SUMMARY:	
<p align="center">BAROMETER: 1020mb</p>	
PERSONNEL:	
<p align="center">PAC, T. S. S. E., H. E. T.</p>	
SIGNATURE:	
<p align="center">Pac</p>	

**KINNETIC LABORATORIES, INC.
INSTRUMENT DEPLOYMENT
LOG**

Project: Exxon, Ft. Hanson Station: 8(Q)

Date:

DAY	MONTH	YEAR	JULIAN DAY	TIME MODE*
1	Aug	82		ADST

*PST or PDT...

INSTRUMENT IDENTIFICATION	63512	A-047			
Time Meter Activated	see sketch	12 ⁵ 2039 2040	} 31 July 82		
Position in Set (Top, Middle, Bottom)	Bottom	Bottom			
Time Into Water	0215	0215			
Time in Position	0215	0215			
SURFACE TEMPERATURE OR OTHER PHYSICAL MEASUREMENTS:					
wind chop, noingice					
WEATHER SUMMARY:					
20-25 knots, No W.					
PERSONNEL:					
TEAS, Pace					
SIGNATURE: <u>Pace</u>					

**KINNETIC LABORATORIES, INC.
INSTRUMENT DEPLOYMENT LOG
FIELD INFORMATION**

Page 2 of 2

Project: EXON, Ft. HANSON Station: Q

Instruments Deployed: 635-12 & A-047

Bottom Depth: 48' ~~m~~

Date:

DAY	MONTH	YEAR	TIME MODE*
1	Aug	82	ADST

*PST or PDT...

Station Location:

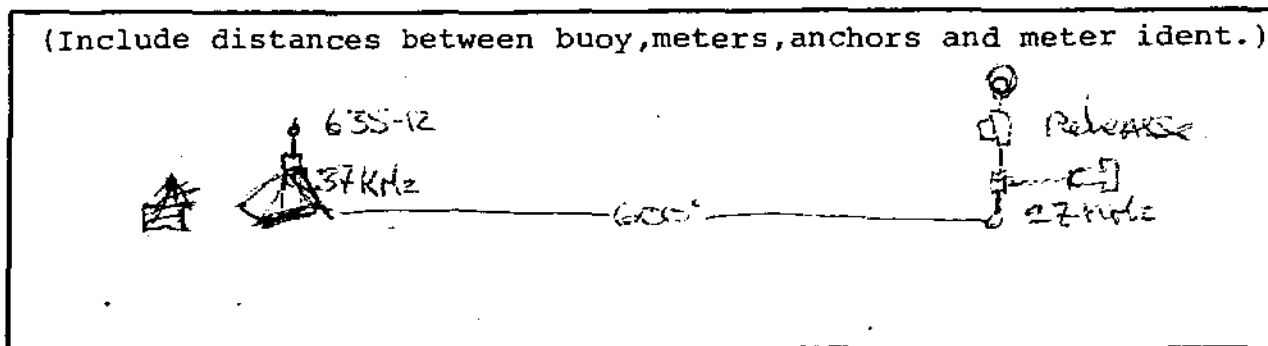
RANGES:		Radar	<input type="checkbox"/>	Miniranger	<input checked="" type="checkbox"/>
RANGE	UNITS (miles, meters)	CHANNEL (or radar scale)	SOURCE OR LANDMARK		
6623	METERS	A	Ft. HANSON Camp		
6814	METERS	B	FLAXMAN ISLAND		

BEARINGS:		
DEGREES	TRUE or MAGNETIC	LANDMARK
270		2° to 1°
8794	METERS	Ft. HANSON Camp
6687	METERS	FLAXMAN ISLAND

STATION LOCATION: (Rough Description)
North of FLAXMAN ISLAND

Latitude _____ N Longitude _____ W Zone _____ : _____
Calif.

Sketch of Set:



KINNETIC LABORATORIES, INC.
INSTRUMENT RECOVERY LOG

Page 1 of 1

Project: EXXON, Pt. THOMPSON STATION: 8(Q)

DATE:	DAY	MONTH	YEAR	JULIAN DAY	*TIME MODE
	4	9	'82		ADST

*PST or PDT...

METER IDENTIFICATION	635-12
POSITION IN SET (Top, Middle, Bottom)	Bottom
TIME OUT OF WATER	1620
TIME METER DEACTIVATED	1707
CONDITION OF MOORING SET AND METERS: Damaged: See #10511 Photos (Page) found at Pt Thompson 8638 Flaxman 6795 635-12 was moved by Ice \$097 was damaged & moved (found at east end of line set at west end)	
CURRENT REGIME AND SEA CONDITIONS AT TIME OF RECOVERY: Calm, Lots of Floe ice	
WEATHER SUMMARY: 3-5 knots, N.E. BAROMETER 1015mb	
PERSONNEL: MEREZ, SAVOIE, FALC, TEAS	
SIGNATURE: <u>TREC</u>	

**KINNETIC LABORATORIES, INC.
INSTRUMENT RECOVERY LOG**

Page 1 of 1

Project : Exxon, P. H. Thomson STATION: 8(Q)

DATE:

DAY	MONTH	YEAR	JULIAN DAY	*TIME MODE
4	9	'82		ADST

*PST or PDT...

METER IDENTIFICATION	Eudora 047
POSITION IN SET (Top, Middle, Bottom)	Bottom
TIME OUT OF WATER	1637
TIME METER DEACTIVATED	1642
CONDITION OF MOORING SET AND METERS: MOVED & DAMAGED BY Ice. See Pace's photos.	
CURRENT REGIME AND SEA CONDITIONS AT TIME OF RECOVERY: Lots of floe ice calm	
WEATHER SUMMARY: 3-5 knots, MoE	
PERSONNEL: SADLER, TEAS, NERTZ, PACE	
SIGNATURE: <u>Pace</u>	

**KINNETIC LABORATORIES, INC.
INSTRUMENT DEPLOYMENT
LOG**

Project: EXXON Pt. Thompson Station: 8(C)

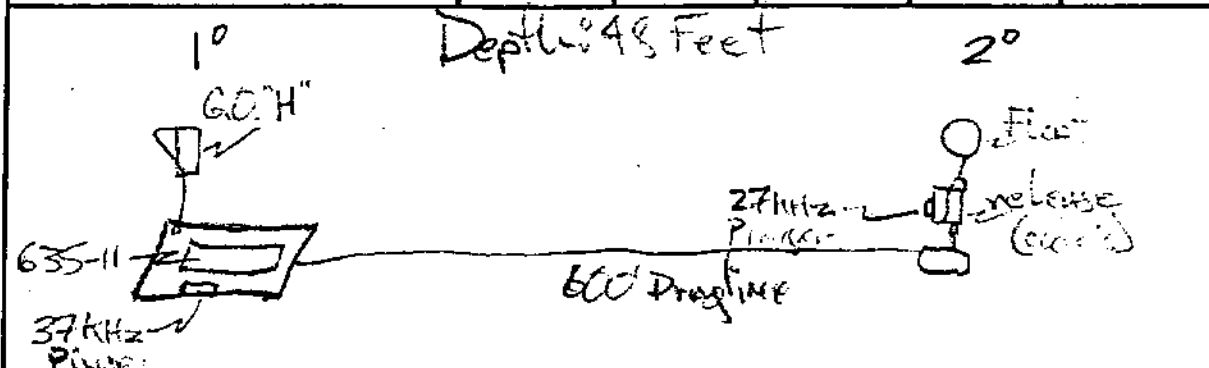
Date:

DAY	MONTH	YEAR	JULIAN DAY	TIME MODE*
8	9	'82		ADST

*PST or PDT...

SN/14417

INSTRUMENT IDENTIFICATION	635-11	60"H			
Time Meter Activated	1710	1800			
Position in Set (Top, Middle, Bottom)	Bottom	Bottom			
Time Into Water	2032	2034			
Time in Position					



SURFACE TEMPERATURE OR OTHER PHYSICAL MEASUREMENTS:

WEATHER SUMMARY:

20 KNOTS, N.E. BARCHMETER 1018 mb.

PERSONNEL:

Kertz, TRAS, Fisher

SIGNATURE: TRAS

**KINNETIC LABORATORIES, INC.
INSTRUMENT DEPLOYMENT LOG
FIELD INFORMATION**

Page 2 of 2

Project: FLYNN ISLAND, TONGAREVA Station: "Q"

Instruments Deployed: GBS-11 & G.O.

Bottom Depth: 16 m

Date:

DAY	MONTH	YEAR	TIME MODE*
8	9	'82	ADST

*PST or PDT...

Station Location:

RANGES:		Radar <input type="checkbox"/>	Miniranger <input checked="" type="checkbox"/>
RANGE	UNITS (miles, meters)	CHANNEL (or radar scale)	SOURCE OR LANDMARK
7665	FEET	2	East Flynn Island Station
8455	FEET	4	Pt. Horner Camp

BEARINGS: 30° mag from 20 to 10

RANGE DEGREES	TRUE OR MAGNETIC	CHANNEL	LANDMARK
7802		2	Flynn Island
8357		4	Pt. Horner

STATION LOCATION: (Rough Description)
North of Flynn Island on 50' contour

Latitude **N** Longitude **W** Zone : **Calif.** **N**
 E

Sketch of Set: Map of Flynn Island

(Include distances between buoy, meters, anchors and meter ident.)

H-50

**KINNETIC LABORATORIES, INC.
INSTRUMENT DEPLOYMENT
LOG**

Page 1 of 2

Project: Pt. Thomson - Elysian Station: 10 (R)

Date:	DAY	MONTH	YEAR	JULIAN DAY	TIME MODE*
	28	July	82		ADST

*PST or PDT...

INSTRUMENT IDENTIFICATION	GO(A)				
Time Meter Activated	1839				
Position in Set (Top, Middle, Bottom)	Mid(4)				
Time Into Water	1847				
Time in Position	11				
SURFACE TEMPERATURE OR OTHER PHYSICAL MEASUREMENTS:					
WEATHER SUMMARY:					
clear, warm, calm					
PERSONNEL: <u>Teas, Pace, Carpenter</u>					
SIGNATURE: <u>Philip D. Carpenter</u>					

**KINNETIC LABORATORIES, INC.
INSTRUMENT DEPLOYMENT LOG
FIELD INFORMATION**

Page 2 of 2

Project: Pf. Thomas - Exxon Station: 10

Instruments Deployed: GO film - A

Bottom Depth: 7-8' m

Date:

DAY	MONTH	YEAR	TIME MODE*
28	July	82	ADST

*PST or PDT...

Station Location:

RANGES:			
		Radar <input type="checkbox"/>	Miniranger <input type="checkbox"/>
RANGE	UNITS (miles, meters)	CHANNEL (or radar scale)	SOURCE OR LANDMARK
1° (A)	5038	2° (A) 5788	
(B)	4696	(B) 4573	
2 7/10	Miles	Radar	Camp
5 9/10	"	"	North Star Rig

A = Camp
B = Flat

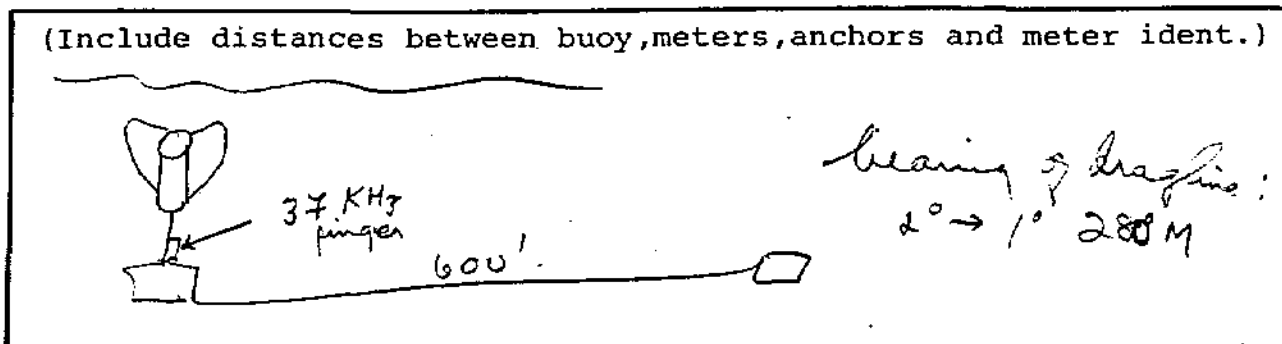
BEARINGS:		
DEGREES	TRUE OR MAGNETIC	LANDMARK
230°	M	Camp
270°	"	North Star Rig

STATION LOCATION: (Rough Description)

South of Flapman dr. - nearest shore

Latitude _____ N Longitude _____ W Zone _____ : _____
Calif. N E

Sketch of Set:



**KINNETIC LABORATORIES, INC.
INSTRUMENT RECOVERY LOG**

Page 1 of 1

Project : Exxon, Pt. Thomson

STATION: 10 ("R")

DATE:

DAY	MONTH	YEAR	JULIAN DAY	*TIME MODE
5	9	82		ADST

*PST or PDT...

METER IDENTIFICATION	G.O. "A"
POSITION IN SET (Top, Middle, Bottom)	
TIME OUT OF WATER	1255
TIME METER DEACTIVATED	1258
CONDITION OF MOORING SET AND METERS:	
Good	
CURRENT REGIME AND SEA CONDITIONS AT TIME OF RECOVERY:	
Fog : 1/4 mile vis.	
WEATHER SUMMARY:	Winds 18 knots, NE. Barometer : 1011 mb
PERSONNEL:	SADDIE, PERTZ, TEAS, PACE
SIGNATURE:	<u>Pace</u>

**KINNETIC LABORATORIES, INC.
INSTRUMENT DEPLOYMENT**

LOG

Page 1 of 2

Project: Pt. Thompson - Exxon **Station:** 11A (5)

Date:

DAY	MONTH	YEAR	JULIAN DAY	TIME MODE*
28	July	82		ADST

*PST or PDT...

INSTRUMENT IDENTIFICATION	ID/MI				
Time Meter Activated	2035'				
Position in Set (Top, Middle, Bottom)	Bot				
Time Into Water	2119				
Time in Position	2119				
SURFACE TEMPERATURE OR OTHER PHYSICAL MEASUREMENTS:					
WEATHER SUMMARY:					
Clear, warm, calm					
PERSONNEL:					
Team, (2), Carpenter					
SIGNATURE:					
<i>Philip D. Carpenter</i>					

**KINNETIC LABORATORIES, INC.
INSTRUMENT DEPLOYMENT LOG
FIELD INFORMATION**

Project: St. Thompson-Eixon Station: 11A

Instruments Deployed: IO/MMI

Bottom Depth: 7-8' ~~M~~

Date:

DAY	MONTH	YEAR	TIME MODE*
28	July	82	ADST

*PST or PDT...

Station Location:

RANGES:			
RANGE	UNITS (miles, meters)	CHANNEL (or radar scale)	SOURCE OR LANDMARK
① 5742	2°	① 5879	
② 3953		② 3829	

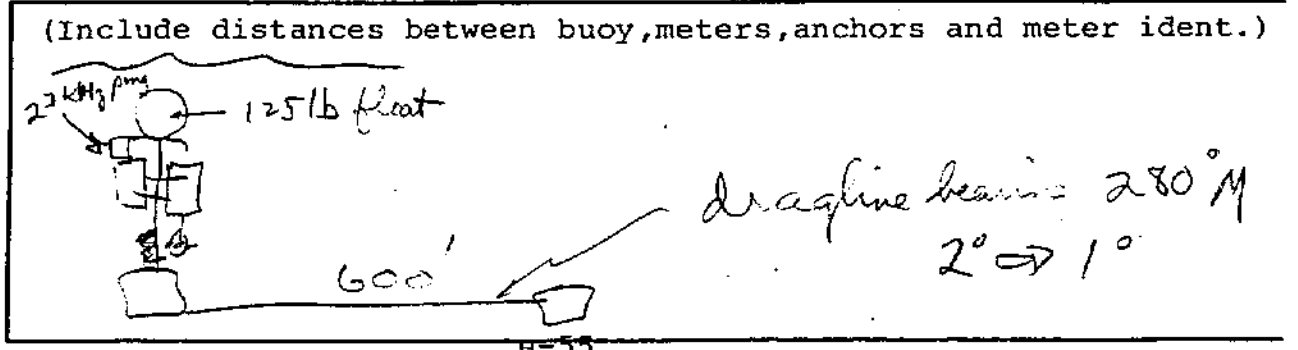
BEARINGS:		
DEGREES	TRUE or MAGNETIC	LANDMARK

STATION LOCATION: (Rough Description)

S. of Flakman Is. - Center of Trench (lagoon center)

Latitude _____ N Longitude _____ W Zone ____: _____
Calif. _____ N

Sketch of Set:



**KINNETIC LABORATORIES, INC.
INSTRUMENT DEPLOYMENT**

LOG

Page 1 of 2

Project: Pt. Thompson Station: 11B (5')

Date:

DAY	MONTH	YEAR	JULIAN DAY	TIME MODE*
28	July	82		ADST

*PST or PDT...

INSTRUMENT IDENTIFICATION	Indeco A052	Indeco A175			
Time Meter Activated	1. 2135 2. 2136 3. 2139	1. 2143 2. 2144	these METERS were		
Position in Set (Top, Middle, Bottom)	"Bot"	"Top"	Recovered on the 9 th &		
Time Into Water	2228	2235	AT 2330 Hrs	Redeployed	
Time in Position	2228	2235	AT 2430 Hrs	NO	
			TAPE change!		

both buoys were not subsurface
but sl. ~~subsurface~~ submerged

Bottom meter was ~ 2-3' off bottom
Top " " ~ 3' down from top
(3-4' between)

SURFACE TEMPERATURE OR OTHER PHYSICAL MEASUREMENTS:

WEATHER SUMMARY:

Calm, cool, clear

PERSONNEL:

Teas, Pace, Carpenter

SIGNATURE:

Philip D. Carpenter

**KINNETIC LABORATORIES, INC.
INSTRUMENT DEPLOYMENT LOG
FIELD INFORMATION**

Page 2 of 2

Project: Pt Thompson Station: 11B

Instruments Deployed: Endeco A052 (top) & A 175 (Bottom)

Bottom Depth: 7-8' ~~TP~~

Date:

DAY	MONTH	YEAR	TIME MODE*
28	July	82	ADST

*PST or PDT...

Station Location:

RANGES:			
		Radar <input checked="" type="checkbox"/>	Miniranger <input checked="" type="checkbox"/>
RANGE	UNITS (miles, meters)	CHANNEL (or radar scale)	SOURCE OR LANDMARK
10 (A)	5829		
(B)	3891		
20 (A)	5988		
(B)	0 not received		

BEARINGS:		
DEGREES	TRUE or MAGNETIC	LANDMARK

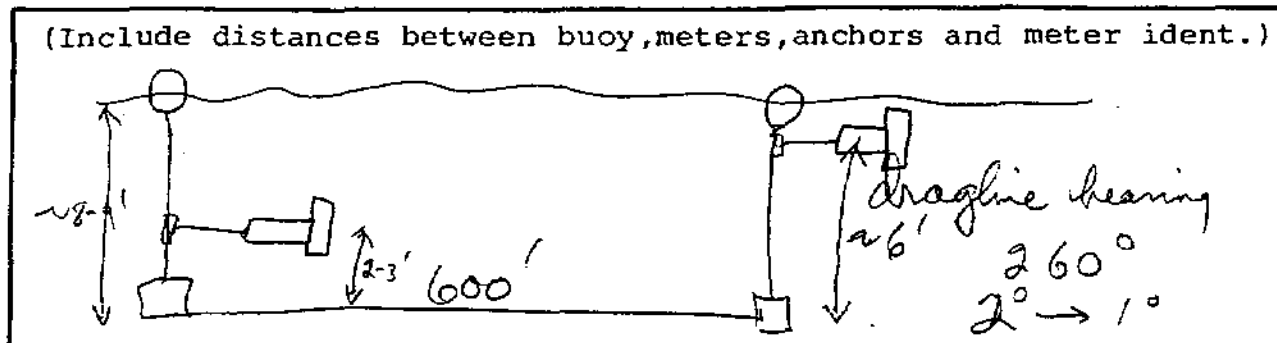
STATION LOCATION: (Rough Description)

South of Flaxman Is. Transect - center of lagoon

Latitude _____ N Longitude _____ W Zone _____ : _____
Calif.

Sketch of Set:

(Include distances between buoy, meters, anchors and meter ident.)



**KINNETIC LABORATORIES, INC.
INSTRUMENT RECOVERY LOG**

Page 1 of 1

Project : EXXON Rt THOMSON **STATION:** 118(S') S. of Flaxman

DATE:

DAY	MONTH	YEAR	JULIAN DAY	*TIME MODE
5	9	82		ADST

*PST or PDT...

METER IDENTIFICATION	Endeco A 052
POSITION IN SET (Top, Middle, Bottom)	
TIME OUT OF WATER	1032
TIME METER DEACTIVATED	1038
CONDITION OF MOORING SET AND METERS: <p align="center">Good</p>	
CURRENT REGIME AND SEA CONDITIONS AT TIME OF RECOVERY: <p>Wind 12 KNOTS, N.E. BAROMETER: 1014 mb</p>	
WEATHER SUMMARY: <p align="center">Foggy</p>	
PERSONNEL: <p align="center">TEBS, [unclear], [unclear], [unclear]</p>	
SIGNATURE: <p align="center">[unclear]</p>	

**KINNETIC LABORATORIES, INC.
INSTRUMENT RECOVERY LOG**

Page 1 of 1

Project : EXXON AT THOMSON

STATION: 118 (S') S. of Flaxman Is

DATE :

DAY	MONTH	YEAR	JULIAN DAY	*TIME MODE
5	9	82		ADST

*PST or PDT...

METER IDENTIFICATION	Endeco A 175
POSITION IN SET (Top, Middle, Bottom)	
TIME OUT OF WATER	1040
TIME METER DEACTIVATED	1042
CONDITION OF MOORING SET AND METERS: <p align="center">Good</p>	
CURRENT REGIME AND SEA CONDITIONS AT TIME OF RECOVERY: <p>WINDS 12 KNOTS, N.E. BAROMETER: 1014 mb</p>	
WEATHER SUMMARY: <p align="center">Fog: 1/2 mile vis.</p>	
PERSONNEL: <p align="center">TAC, J. K. [unclear]</p>	
SIGNATURE: <p align="center">[unclear]</p>	

**KINNETIC LABORATORIES, INC.
INSTRUMENT DEPLOYMENT**

LOG

Page 1 of 2

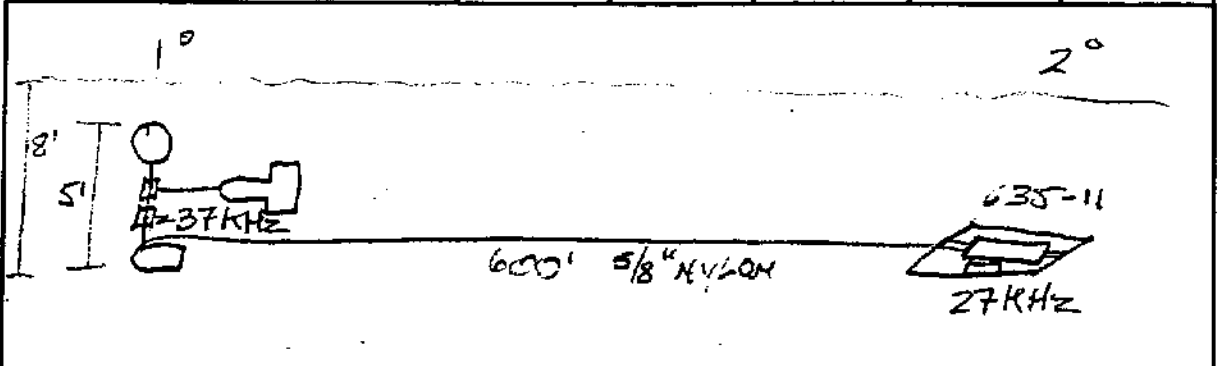
Project: Exxon, Al. THORSON Station: 11(S)

Date:

DAY	MONTH	YEAR	JULIAN DAY	TIME MODE*
5	9	'82		ADST

*PST or PDT...

INSTRUMENT IDENTIFICATION	635-11	Emicolos			
Time Meter Activated	1335	1255	1300		
Position in Set (Top, Middle, Bottom)	Mid	Bottom			
Time Into Water	1510	1517			
Time in Position	"	"			



SURFACE TEMPERATURE OR OTHER PHYSICAL MEASUREMENTS:

Depth: 8 feet

WEATHER SUMMARY:

Foggy: 1/4 mile vis. Wind: 15-18 knots, NE.
Barometer: 30.15 in. Hg.

PERSONNEL:

SADDIE PACE

SIGNATURE:

Pace

**KINNETIC LABORATORIES, INC.
INSTRUMENT DEPLOYMENT LOG
FIELD INFORMATION**

Page 2 of 2

Project: Exxon Ft. Thomson Station: "5"

Instruments Deployed: 635-11 & Radio 105

Bottom Depth: 2 m

Date:

DAY	MONTH	YEAR	TIME MODE*
5	9	182	ADST

*PST or PDT...

Station Location:

RANGES:			
		Radar <input type="checkbox"/>	Miniranger <input checked="" type="checkbox"/>
RANGE	UNITS (miles, meters)	CHANNEL (or radar scale)	SOURCE OR LANDMARK
508	METERS	1	Ft. Thomson
3670	METERS	2	FLAXMAN PAD

BEARINGS: <u>65° from 2° to 1°</u>		
DEGREES	TRUE or MAGNETIC	LANDMARK
4830		Ft. Thomson
3709		FLAXMAN PAD

STATION LOCATION: (Rough Description)

South of FLAXMAN IS.

Latitude _____ N Longitude _____ W Zone _____ : _____
Calif. _____

Sketch of Set:

(Include distances between buoy, meters, anchors and meter ident.)

see previous page

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**KINNETIC LABORATORIES, INC.
INSTRUMENT DEPLOYMENT**

LOG

Page 1 of 2

Project: Exxon, Robinson Station: (T) 12

Date:

DAY	MONTH	YEAR	JULIAN DAY	TIME MODE*
26	July	82		AEST

*PST or PDT...

INSTRUMENT IDENTIFICATION	6.0°C				
Time Meter Activated	1930				
Position in Set (Top, Middle, Bottom)	Mid				
Time Into Water	1932				
Time in Position	1932				
7' Deep					
SURFACE TEMPERATURE OR OTHER PHYSICAL MEASUREMENTS:					
WEATHER SUMMARY: cold, clear, calm					
PERSONNEL: Tacy Carpenter, Texas Gordon					
SIGNATURE: Pace					

**KINNETIC LABORATORIES, INC.
INSTRUMENT DEPLOYMENT LOG
FIELD INFORMATION**

Page 2 of 2

Project: Exxon, H. Johnson Station: I

Instruments Deployed: G.O. C

Bottom Depth: 7' ~~nr~~

Date:

DAY	MONTH	YEAR	TIME MODE*
28	July	82	ADST

*PST or PDT...

Station Location:

RANGES:		Radar	<input type="checkbox"/>	Miniranger	<input checked="" type="checkbox"/>
RANGE	UNITS (miles, meters)	CHANNEL (or radar scale)	SOURCE OR LANDMARK		
6001	Petex	A	Ball's Pt. H. Johnson Camp		
3941	Petex	B	FLAVIAN IS.		

BEARINGS: 280° MAG 2° at 1'

DEGREES	TRUE or MAGNETIC	LANDMARK
6076	Petex	Ball's Pt. H. Johnson Camp
3794	Petex	FLAVIAN IS.

STATION LOCATION (Rough Description)

South of FLAVIAN IS.

Latitude _____ N Longitude _____ W Zone ____ : _____ Calif. _____ N
E

Sketch of Set:

(Include distances between buoy, meters, anchors and meter ident.)

**KINNETIC LABORATORIES, INC.
INSTRUMENT RECOVERY LOG**

Page 1 of 1

Project: Exxon, Pt. Henson **STATION:** 12(T) S. of Flaxman Is.

DATE:

DAY	MONTH	YEAR	JULIAN DAY	*TIME MODE
5	9	82		ADST

*PST or PDT...

METER IDENTIFICATION	G.O. "C"
POSITION IN SET (Top, Middle, Bottom)	17 ⁰ cd
TIME OUT OF WATER	1158
TIME METER DEACTIVATED	1159
CONDITION OF MOORING SET AND METERS: Good	
CURRENT REGIME AND SEA CONDITIONS AT TIME OF RECOVERY: Fog; 1/4 mile vis.	
WEATHER SUMMARY: Wind: 15 knots, N.E. BAROMETR 31012 mb	
PERSONNEL: MERTZ, SADDIE, TEAS, FACE	
SIGNATURE: <u>Face</u>	

KINNETIC LABORATORIES, INC.
INSTRUMENT DEPLOYMENT
LOG

Page 1 of 2

Project: Pt. Thomson - Station Station: 13 (V)

Date:

DAY	MONTH	YEAR	JULIAN DAY	TIME MODE*
28	July	82		ADST

*PST or PDT...

INSTRUMENT IDENTIFICATION	G0 (Z)				
Time Meter Activated	2320h				
Position in Set (Top, Middle, Bottom)	mid				
Time Into Water	2334				
Time in Position	2334				
<p>SURFACE TEMPERATURE OR OTHER PHYSICAL MEASUREMENTS:</p> <p>WEATHER SUMMARY:</p> <p style="text-align: center;">Cold, clear, calm (NW 3-5)</p> <p>PERSONNEL: Treas, Price, Carpenter</p> <p>SIGNATURE: <i>Philip S. Carpenter</i></p>					

**KINNETIC LABORATORIES, INC.
INSTRUMENT DEPLOYMENT LOG
FIELD INFORMATION**

Page 2 of 2

Project: Pt. Thonson Station: 13

Instruments Deployed: 30 film - Z

Bottom Depth: 14' - m

Date:

DAY	MONTH	YEAR	TIME MODE*
28	July	82	ADST

*PST or PDT...

Station Location:

RANGES:		Radar <input type="checkbox"/> Miniranger <input type="checkbox"/>	
RANGE	UNITS (miles, meters)	CHANNEL (or radar scale)	SOURCE OR LANDMARK

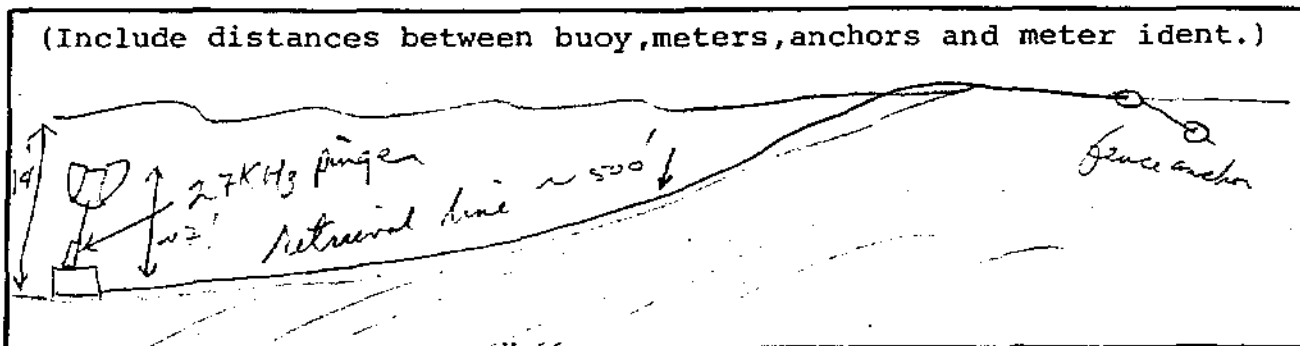
BEARINGS:		
DEGREES	TRUE or MAGNETIC	LANDMARK

STATION LOCATION: (Rough Description)

anchored to the E. end of Flatman Is. in the Entrance

Latitude _____ N Longitude _____ W Zone ____: _____ Calif. _____ N
E

Sketch of Set:



**KINNETIC LABORATORIES, INC.
INSTRUMENT RECOVERY LOG**

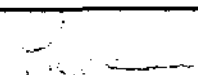
Page 1 of 1

Project: Exxon Pt. Barrow **STATION:** B(Y)

DATE:

DAY	MONTH	YEAR	JULIAN DAY	*TIME MODE
5	9	'82		ADST

*PST or PDT...

METER IDENTIFICATION	G.O. "Z"
POSITION IN SET (Top, Middle, Bottom)	Bottom
TIME OUT OF WATER	1542
TIME METER DEACTIVATED	1554
<p>CONDITION OF MOORING SET AND METERS:</p> <p>Moved to shallower water loss from 5100 to the south.</p>	
<p>CURRENT REGIME AND SEA CONDITIONS AT TIME OF RECOVERY:</p> <p>choppy grounded floe ice</p>	
WEATHER SUMMARY:	<p>Wind: 18 knots, N.E.</p> <p>Barometric P. 31.011 in Hg</p>
PERSONNEL:	TEAS, SAOJIE, MERTZ
SIGNATURE:	

**KINNETIC LABORATORIES, INC.
INSTRUMENT DEPLOYMENT**

LOG

Page 1 of 2

Project: St. Thompson - Exxon Station: 1A - 635-11 (Y)

Date:

DAY	MONTH	YEAR	JULIAN DAY	TIME MODE*
27	July	82		ADST

*PST or PDT...

INSTRUMENT IDENTIFICATION	635-11				
Time Meter Activated	See set-up sheet				
Position in Set (Top, Middle, Bottom)	Bottom				
Time Into Water	1936				
Time in Position	1937				

release code "0"
27K43 pinger, 6 Mo life

SURFACE TEMPERATURE OR OTHER PHYSICAL MEASUREMENTS:

WEATHER SUMMARY: sunny, clear, cold, very
sl. NE winds

PERSONNEL: Pace, Teas, Gordon (G.P.R.), Carpenter

SIGNATURE:

Philip D. Carpenter

**KINNETIC LABORATORIES, INC.
INSTRUMENT DEPLOYMENT LOG
FIELD INFORMATION**

Page 2 of 2

Project: Etter - Pt. Thompson Station: 1A

Instruments Deployed: Sea Data 635-11

Bottom Depth: 32'

Date:

DAY	MONTH	YEAR	TIME MODE*
27 27	July	82	ADST

*PST or PDT...

Station Location:

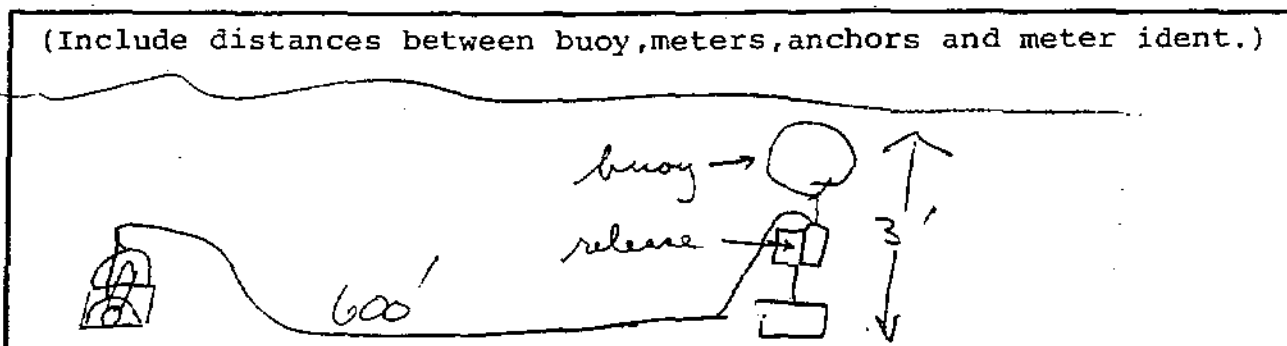
RANGES:		Radar <input type="checkbox"/>	Miniranger <input type="checkbox"/>
RANGE	UNITS (miles, meters)	CHANNEL (or radar scale)	SOURCE OR LANDMARK
10 (A) 12075	20 (A) 12154		(A) Bullen Pt
(B) 6676	(B) 6566		(B) Challenge H.
6 1/3	miles		(AK) Challenge Is. Drill rig
6 1/2	"		Bullen Pt Rason

BEARINGS:		
DEGREES	TRUE or MAGNETIC	LANDMARK
155°	M	Bullen Pt. Rason
85°	"	Drill rig

STATION LOCATION: (Rough Description)
Straight offshore Challenge Entrance

Latitude _____ N Longitude _____ W Calif. Zone _____ N
E

Sketch of Set:



**KINNETIC LABORATORIES, INC.
INSTRUMENT RECOVERY LOG**

1A(Y) Page 1 of 1

Project : Exxon; Pt. THORSON

STATION: 635-11

DATE:	DAY	MONTH	YEAR	JULIAN DAY	*TIME MODE
	3	9	82		ADST

*PST or PDT...

METER IDENTIFICATION	635-11
POSITION IN SET (Top, Middle, Bottom)	Bottom
TIME OUT OF WATER	1150
TIME METER DEACTIVATED	

CONDITION OF MOORING SET AND METERS:

Some mud found on top of meter

Found at	Release works after
A	B
12041	6680
	3-STRIES

CURRENT REGIME AND SEA CONDITIONS AT TIME OF RECOVERY:

Heavy ice floes, light sea chop.

WEATHER SUMMARY:

0-5 KNOTS, N.E. BAROMETER: 1024 mb.

PERSONNEL:

TEAS, HERTZ, SHOD, FASL

SIGNATURE:

Tee

KINETIC LABORATORIES, INC.
INSTRUMENT DEPLOYMENT

LOG ~~(8)~~ (9) Page 1 of 1

Project: ~~Exxon T to Thompson~~ Station: B17813-S 1981

Date:

DAY	MONTH	YEAR	JULIAN DAY	TIME MODE*
24	July	82	206	

*PST or PDT...

INSTRUMENT IDENTIFICATION	TDR 146				
Time Meter Activated					
Position in Set (Top, Middle, Bottom)	Bottom				
Time Into Water	1805				
Time in Position	1805				
Depth	5'				
<p>Deployed NW tip of UNMARKED Point BEARING 225°M from LAWSON Is. Ruins. Bend Part (565) 813-S 1981 (Harding & Lawson) Pinger 27kHz</p>					
SURFACE TEMPERATURE OR OTHER PHYSICAL MEASUREMENTS:					
WEATHER SUMMARY: Winds from North ≈ 5 knots					
PERSONNEL: Gordon (Exxon) & [Signature]					
SIGNATURE: [Signature]					

KINNETIC LABORATORIES, INC.
INSTRUMENT RECOVERY LOG

(see recovery log)
Page 1 of 1

Project: Exxon, P. Hensen

STATION: Tide gauge station
CANNING RIVER

DATE:

DAY	MONTH	YEAR	JULIAN DAY	*TIME MODE
11	Aug	'82		

*PST or PDT...

METER IDENTIFICATION	TDR 1A #146
POSITION IN SET (Top, Middle, Bottom)	Bottom
TIME OUT OF WATER	1855
TIME METER DEACTIVATED	1906
CONDITION OF MOORING SET AND METERS: OK, Pinger Detected 27 kHz.	
CURRENT REGIME AND SEA CONDITIONS AT TIME OF RECOVERY: Clear w/ fog closing in from offshore.	
WEATHER SUMMARY: Wind: 10 knots, N.E. Barometer: 1020 mb.	
PERSONNEL: TEAS, MERTZ, PAGE	
SIGNATURE: T	

**KINNETIC LABORATORIES, INC.
INSTRUMENT DEPLOYMENT**

LOG

Page 1 of 1

Project: Exxon, Ft. Hansen Station: Canning River

Date:

DAY	MONTH	YEAR	JULIAN DAY	TIME MODE*
11	Aug	82		

*PST or PDT...

INSTRUMENT IDENTIFICATION	TDR TAG				
Time Meter Activated	1958				
Position in Set (Top, Middle, Bottom)	Bottom				
Time Into Water	2030				
Time in Position	"				

Replace TAG? Replace TEMP. Probe.
TEMP DOES NOT WORK.
REPOSITION GAUGE WITH TAG WITH
THERMISTOR.

SURFACE TEMPERATURE OR OTHER PHYSICAL MEASUREMENTS:

WEATHER SUMMARY:

SEE RECORDING

PERSONNEL:

T. H. H. H. H. H. H. H.

SIGNATURE:

[Signature]

**KINNETIC LABORATORIES, INC.
INSTRUMENT DEPLOYMENT LOG
FIELD INFORMATION**

Page ____ of ____

Project : _____ **Station:** _____

Instruments Deployed: _____

Bottom Depth: _____ **m**

Date:

DAY	MONTH	YEAR	TIME MODE*

19106
55°

*PST or PDT...

Station Location:

RANGES:			
		Radar <input type="checkbox"/>	Miniranger <input checked="" type="checkbox"/>
RANGE	UNITS (miles, meters)	CHANNEL (or radar scale)	SOURCE OR LANDMARK
		release at	Pt. Thomas 3752 Flammen 9779
			3752 9782

BEARINGS:		
DEGREES	TRUE or MAGNETIC	LANDMARK

STATION LOCATION: (Rough Description)

Latitude _____ **N** Longitude _____ **W** Zone _____ : _____ **Calif.**

Sketch of Set:

(Include distances between buoy, meters, anchors and meter ident.)

**KINNETIC LABORATORIES, INC.
INSTRUMENT RECOVERY LOG**

Project: Basin A. Johnson STATION: UNLINED DIRT

DATE:

DAY	MONTH	YEAR	JULIAN DAY	*TIME MODE
5	9	'82		ADST

*PST or PDT...

METER IDENTIFICATION	TDR-1A (1A8)														
POSITION IN SET (Top, Middle, Bottom)	Bottom														
TIME OUT OF WATER	1631														
TIME METER DEACTIVATED															
CONDITION OF MOORING SET AND METERS: <u>Good</u> <u>measured in meter</u>															
<table border="1"> <thead> <tr> <th></th> <th>Height</th> <th>Time</th> </tr> </thead> <tbody> <tr> <td>DTS CME-376-168</td> <td>3.34 feet</td> <td>1630</td> </tr> <tr> <td>Level height at tide gauge</td> <td>14.40 "</td> <td>"</td> </tr> <tr> <td>WATER LINE AT TIDE GAUGE</td> <td>6.20 "</td> <td>"</td> </tr> </tbody> </table>					Height	Time	DTS CME-376-168	3.34 feet	1630	Level height at tide gauge	14.40 "	"	WATER LINE AT TIDE GAUGE	6.20 "	"
	Height	Time													
DTS CME-376-168	3.34 feet	1630													
Level height at tide gauge	14.40 "	"													
WATER LINE AT TIDE GAUGE	6.20 "	"													
CURRENT REGIME AND SEA CONDITIONS AT TIME OF RECOVERY:															
Light chop & fog															
WEATHER SUMMARY: Wind 9 (8 knots), N.E. Barometric 30.13 mb															
PERSONNEL:															
TEBE, SASSIE, FINE, MERZ															
SIGNATURE: <u>P</u>															

813-S

KINETIC LABORATORIES, INC.
INSTRUMENT DEPLOYMENT

LOG

Page 1 of 1

Project: Exxon Pt. Hobson Station: Hobson Pt. (2) AA

Date:

DAY	MONTH	YEAR	JULIAN DAY	TIME MODE*
24	July	'82	206	

*PST or PDT...

INSTRUMENT IDENTIFICATION	TDR 109	TDR 109			
Time Meter Activated					Redeployment
Position in Set (Top, Middle, Bottom)	Bottom	Bottom			
Time Into Water	1337	1430			KOH. closer to Shore
Time in Position	1337	1430			
Depth	SH.	SH.			
<p>Deployed off East End of Hobson Pt. 100 ft. off 1st Is. inline with 1st increase in spot elevation & lagoonal spit. Secured w/ fence anchor onshore.</p>					
SURFACE TEMPERATURE OR OTHER PHYSICAL MEASUREMENTS:					
WEATHER SUMMARY:					
West Wind, Water Level Rising					
PERSONNEL:					
Gordon (Exxon) Teas & Face					
SIGNATURE: <u>Face</u>					

**KINNETIC LABORATORIES, INC.
INSTRUMENT RECOVERY LOG**

Page 1 of 1

Project : Exxon, Alkildersoy

STATION: Pl. Hobson

DATE:	DAY	MONTH	YEAR	JULIAN DAY	*TIME MODE
	2	9	82		ADST

*PST or PDT...

METER IDENTIFICATION	TDR -1A (109)		
POSITION IN SET (Top, Middle, Bottom)	Bottom		
TIME OUT OF WATER	1230		
TIME METER DEACTIVATED	1721 (4 Sept 82)		
CONDITION OF MOORING SET AND METERS:			
O.K. Surveyed in Meter			
TARGET	Height	Time	offset from sensor to top of gauge case: 1.5 inches
SAVAK	1.26 ft	1230	
WATER level	0.5	1234	
level of WATER	11.66	1235	
Height of gauge below H ₂ O	4.00	1225	
CURRENT REGIME AND SEA CONDITIONS AT TIME OF RECOVERY:			
CALM			
WEATHER SUMMARY:			
CALM			
PERSONNEL:			
Pace			
SIGNATURE:			

**KINNETIC LABORATORIES, INC.
INSTRUMENT DEPLOYMENT LOG
FIELD INFORMATION**

Page 2 of 2

Project: Exxon, Pt. Thomson Station: "5"

Instruments Deployed: 635-11 & Enduro 105

Bottom Depth: 2 m

Date:	DAY	MONTH	YEAR	TIME MODE*
	5	9	'82	ADST

*PST or PDT...

Station Location:

RANGES:		Radar <input type="checkbox"/>	Miniranger <input checked="" type="checkbox"/>
RANGE	UNITS (miles, meters)	CHANNEL (or radar scale)	SOURCE OR LANDMARK
508	METERS	1	Pt. THOMPSON
3670	METERS	2	FLAXMAN PAD

BEARINGS: <u>65° from 2° to 1°</u>		
DEGREES	TRUE or MAGNETIC	LANDMARK
4830		1 Pt. THOMPSON
5709		2 FLAXMAN PAD

STATION LOCATION: (Rough Description)

South of FLAXMAN IS.

Latitude **N** Longitude **W** Calif. Zone **N**
E

Sketch of Set:

(Include distances between buoy, meters, anchors and meter ident.)

see previous page

**KINNETIC LABORATORIES, INC.
INSTRUMENT SETUP-SHUTDOWN LOG**

Project: Exxon, Pt Thomson

Date:

DAY	MONTH	YEAR	JULIAN DAY	*TIME MODE
7	9	'82		ADST

*PST or PDT...

SETUP INFORMATION				
METER IDENTIFICATION	635-11			
TIME CLOCK RESET	1705			
TIME RECORDER ACTIVATED	1710			
TIME OF FIRST MOVEMENT OF RECORDER TAPE	-			
SAMPLING INTERVAL (TIME BETWEEN BURST)	0.5			
RECORDS/BURST	2018			
COMMENTS	Burst Into Tide/Hr.	4 8	new meter replaced	Stape 635-11

SHUTDOWN INFORMATION				
METER IDENTIFICATION				
TIME CLOCK OFF				
TIME POWER OFF				
COMMENTS				

SIGNATURE: PTM

**KINNETIC LABORATORIES, INC.
INSTRUMENT DEPLOYMENT
LOG**

Page 1 of 2

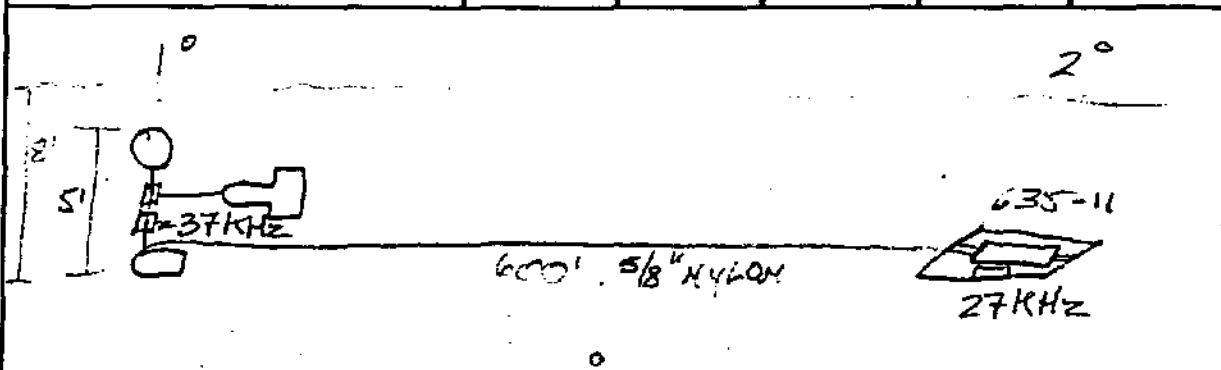
Project: Exxon, Al. THORSON Station: 11 (S)

Date:

DAY	MONTH	YEAR	JULIAN DAY	TIME MODE*
5	9	'82		ADST

*PST or PDT...

INSTRUMENT IDENTIFICATION	635-11	Ericolost			
Time Meter Activated	1335	1255	Sept 82		
Position in Set (Top, Middle, Bottom)	Mid	Bottom			
Time Into Water	1510	1517			
Time in Position	"	"			



SURFACE TEMPERATURE OR OTHER PHYSICAL MEASUREMENTS:

Depth: 8 feet

WEATHER SUMMARY:

Foggy: 1/4 mile vis. Wind: 15-18 knots, NE.
Barometer 810.10 b.

PERSONNEL:

SADDIE Price

SIGNATURE:

Price

**KINNETIC LABORATORIES, INC.
INSTRUMENT SETUP-SHUTDOWN LOG**

Page 1 of 1

Project: R. THORSON

Date:

DAY	MONTH	YEAR	JULIAN DAY	*TIME MODE
4	9	82		ADST

*PST or PDT...

SETUP INFORMATION					
SN/3385					
METER IDENTIFICATION	635-11				
TIME CLOCK RESET	1250				
TIME RECORDER ACTIVATED	1255				
TIME OF FIRST MOVEMENT OF RECORDER TAPE					
SAMPLING INTERVAL (TIME BETWEEN BURST)	0.5				
RECORDS/BURST	2018				
COMMENTS	Burst Interval 4 TIDE/Hr. 8				

SHUTDOWN INFORMATION					
METER IDENTIFICATION					
TIME CLOCK OFF					
TIME POWER OFF					
COMMENTS					

SIGNATURE: _____

**KINNETIC LABORATORIES, INC.
INSTRUMENT DEPLOYMENT
LOG**

Project: Exxon, Pt. Thomson Station: 8(G)

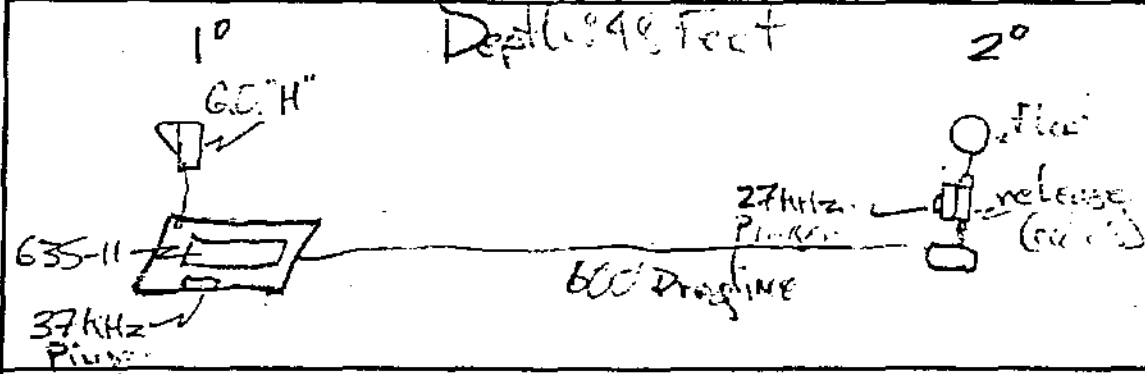
Date:

DAY	MONTH	YEAR	JULIAN DAY	TIME MODE*
8	9	'82		ADJUST

SN/14417

*PST or PDT...

INSTRUMENT IDENTIFICATION	635-11	60.1H"			
Time Meter Activated	1710	1800			
Position in Set (Top, Middle, Bottom)	Bottom	Bottom			
Time Into Water	2032	2250			
Time in Position					



SURFACE TEMPERATURE OR OTHER PHYSICAL MEASUREMENTS:

WEATHER SUMMARY:
20 knots, N.E. Barometric 1018 mb,

PERSONNEL:
Kemp, T... A...

SIGNATURE: [Signature]

**KINNETIC LABORATORIES, INC.
INSTRUMENT DEPLOYMENT LOG
FIELD INFORMATION**

Page 2 of 2

Project: Evson, Ft. Herson Station: "Q"

Instruments Deployed: 635-11 & 0.0.

Bottom Depth: 16 m

Date:

DAY	MONTH	YEAR	TIME MODE*
8	9	'82	ADST

*PST or PDT...

Station Location:

RANGES:		Radar <input type="checkbox"/>	Miniranger <input checked="" type="checkbox"/>
RANGE	UNITS (miles, meters)	CHANNEL (or radar scale)	SOURCE OR LANDMARK
7665	METERS	2	East Flaxton Island Station
8455	METERS	4	Ft. Herson

BEARINGS: <u>30° to 20.40°</u>			
RANGE DEGREES	TRUE OF MAGNETIC	CHANNEL	LANDMARK
7802		2	Flaxton Island
8357		4	Ft. Herson

STATION LOCATION: (Rough Description)
North of Flaxton Island on 50' contour

Latitude _____ N Longitude _____ W Zone _____ Calif. _____

Sketch of Set: MAR-Sensor

(Include distances between buoy, meters, anchors and meter ident.)