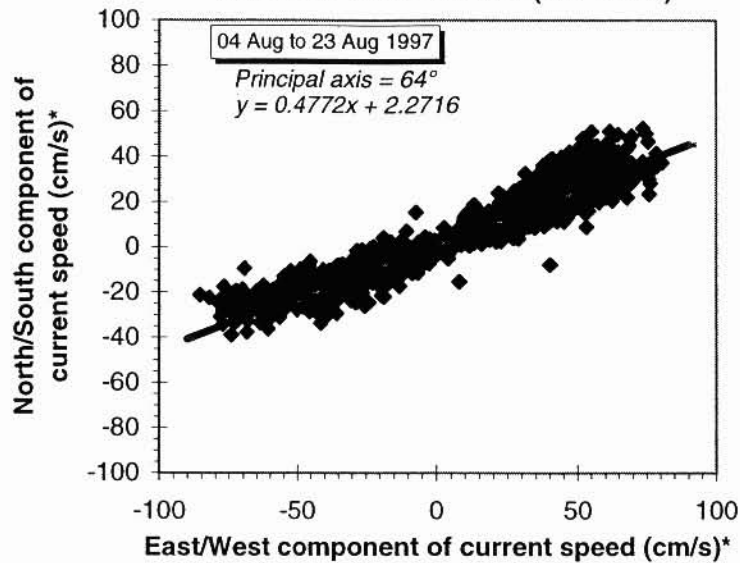


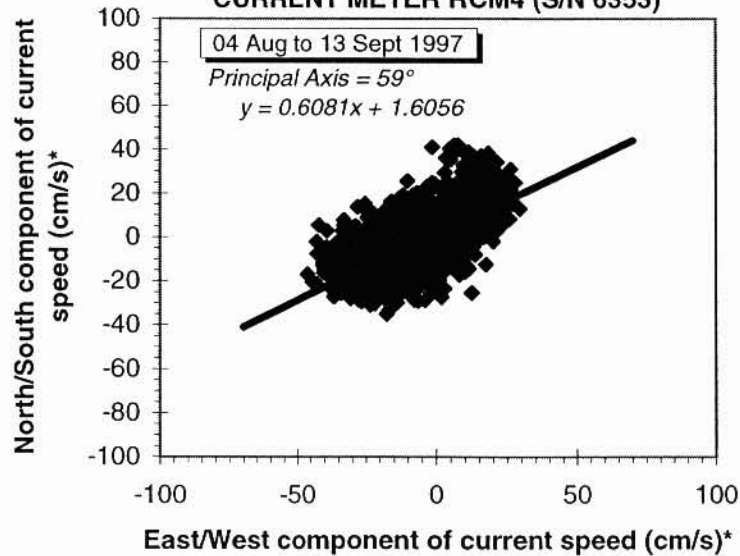
Appendix B
1997 Current Meter Data Analysis

**CURRENT VELOCITY DISTRIBUTION
FLAXMAN PASS
CURRENT METER RCM4 (S/N TCM2)**



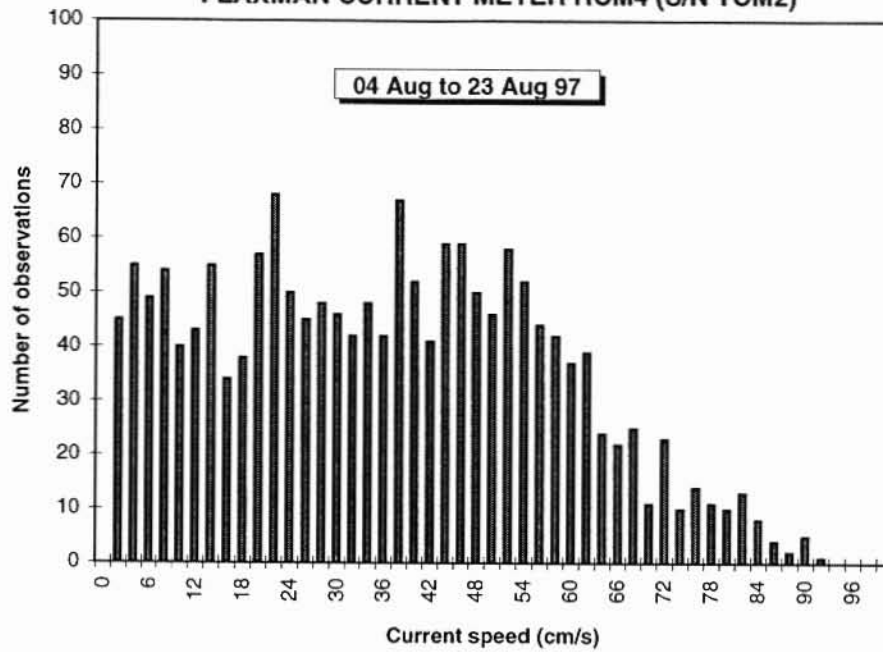
*Negative values signify southerly or westerly component of speed.

**CURRENT VELOCITY DISTRIBUTION
MARY SACHS
CURRENT METER RCM4 (S/N 6353)**

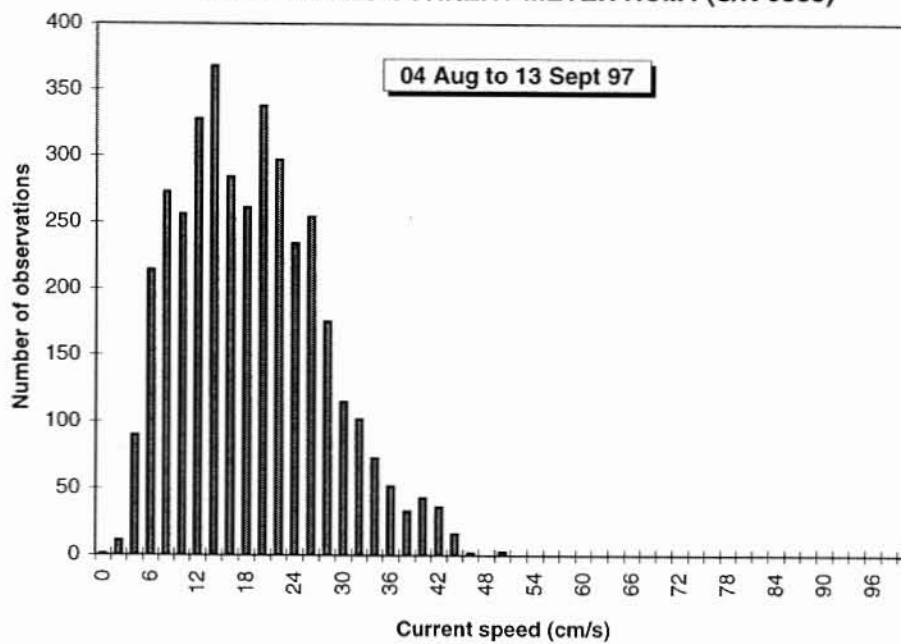


*Negative values signify southerly or westerly component of speed.

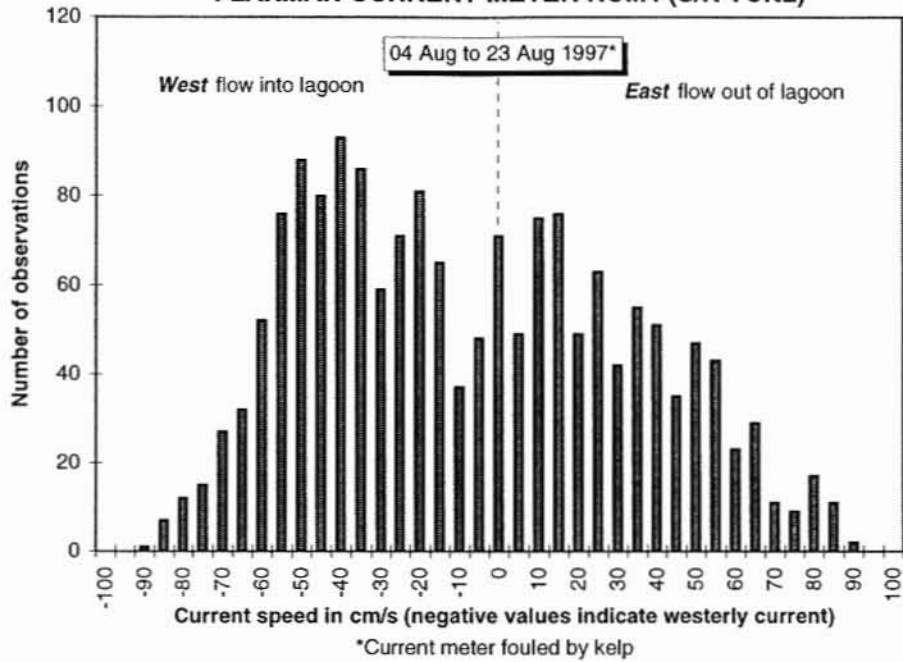
HISTOGRAM FOR CURRENT SPEED
FLAXMAN CURRENT METER RCM4 (S/N TCM2)



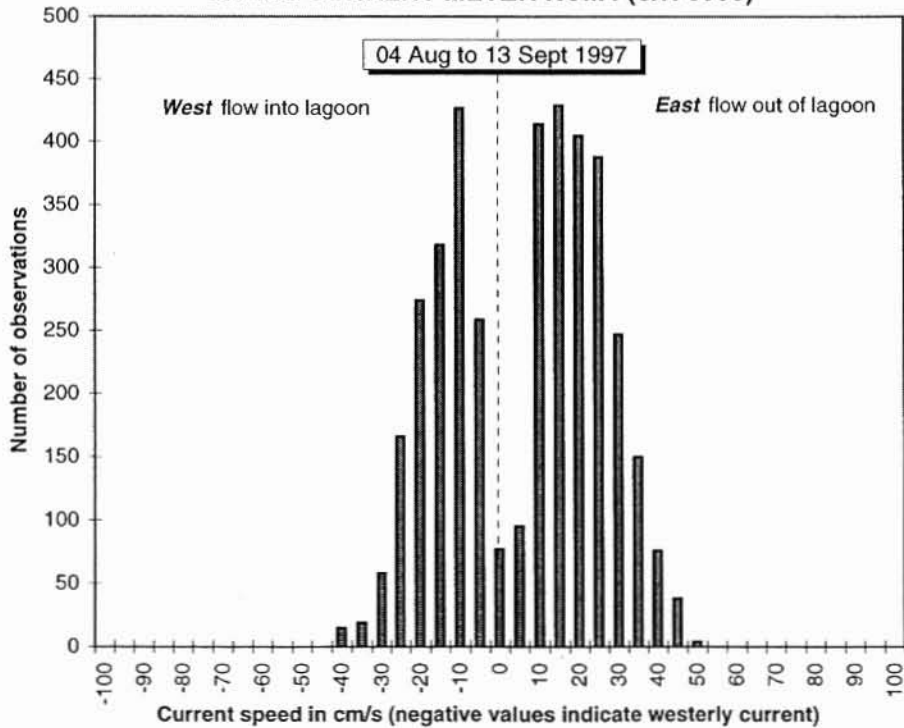
HISTOGRAM FOR CURRENT SPEED
MARY SACHS CURRENT METER RCM4 (S/N 6353)



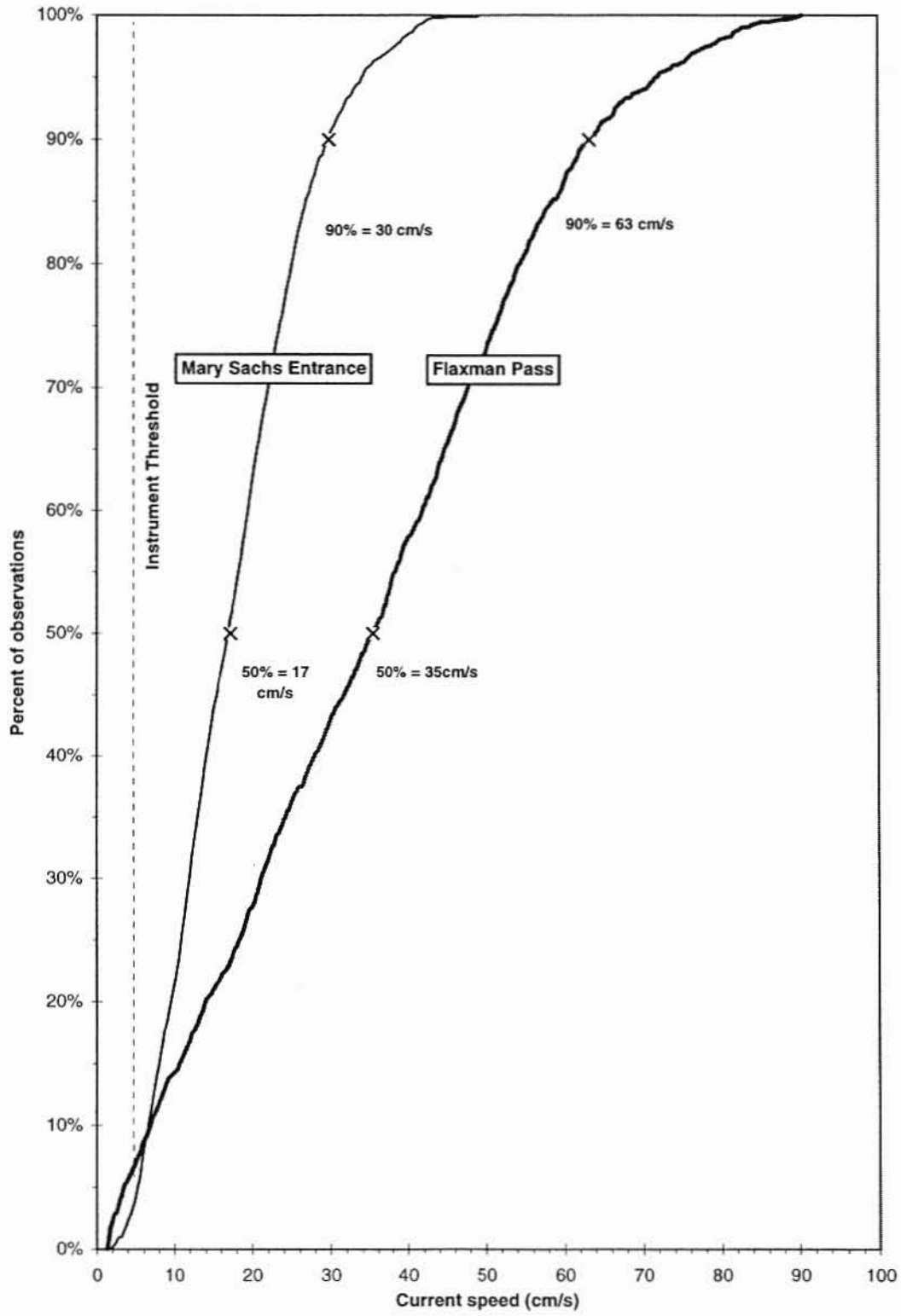
**CURRENT SPEED HISTOGRAM ALONG PRINCIPAL AXIS
FLAXMAN CURRENT METER RCM4 (S/N TCN2)**



**CURRENT SPEED HISTOGRAM ALONG PRINCIPAL AXIS MARY
SACHS CURRENT METER RCM4 (S/N 6353)**

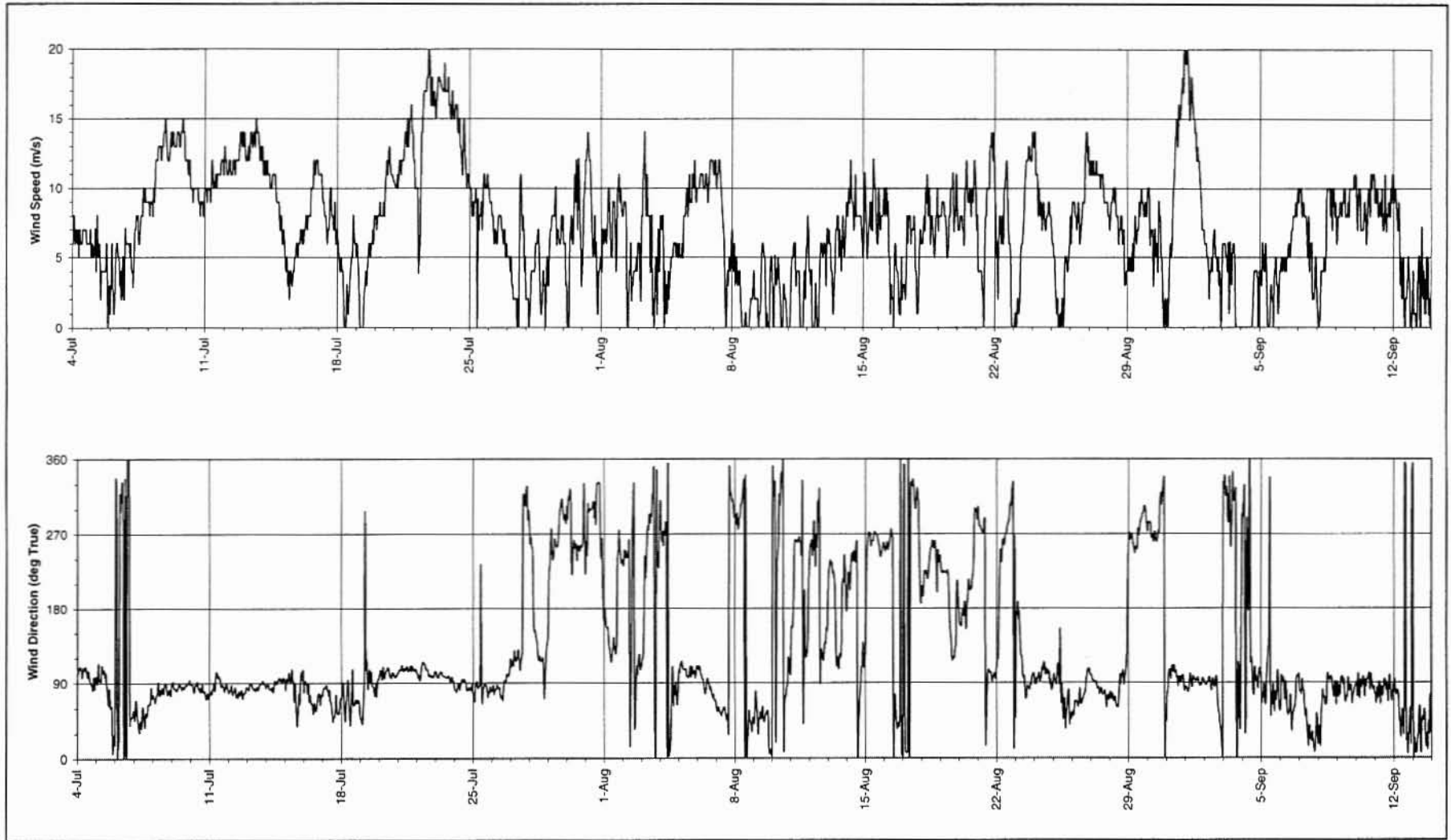


1997 Current Speed Cumulative Frequency Diagram

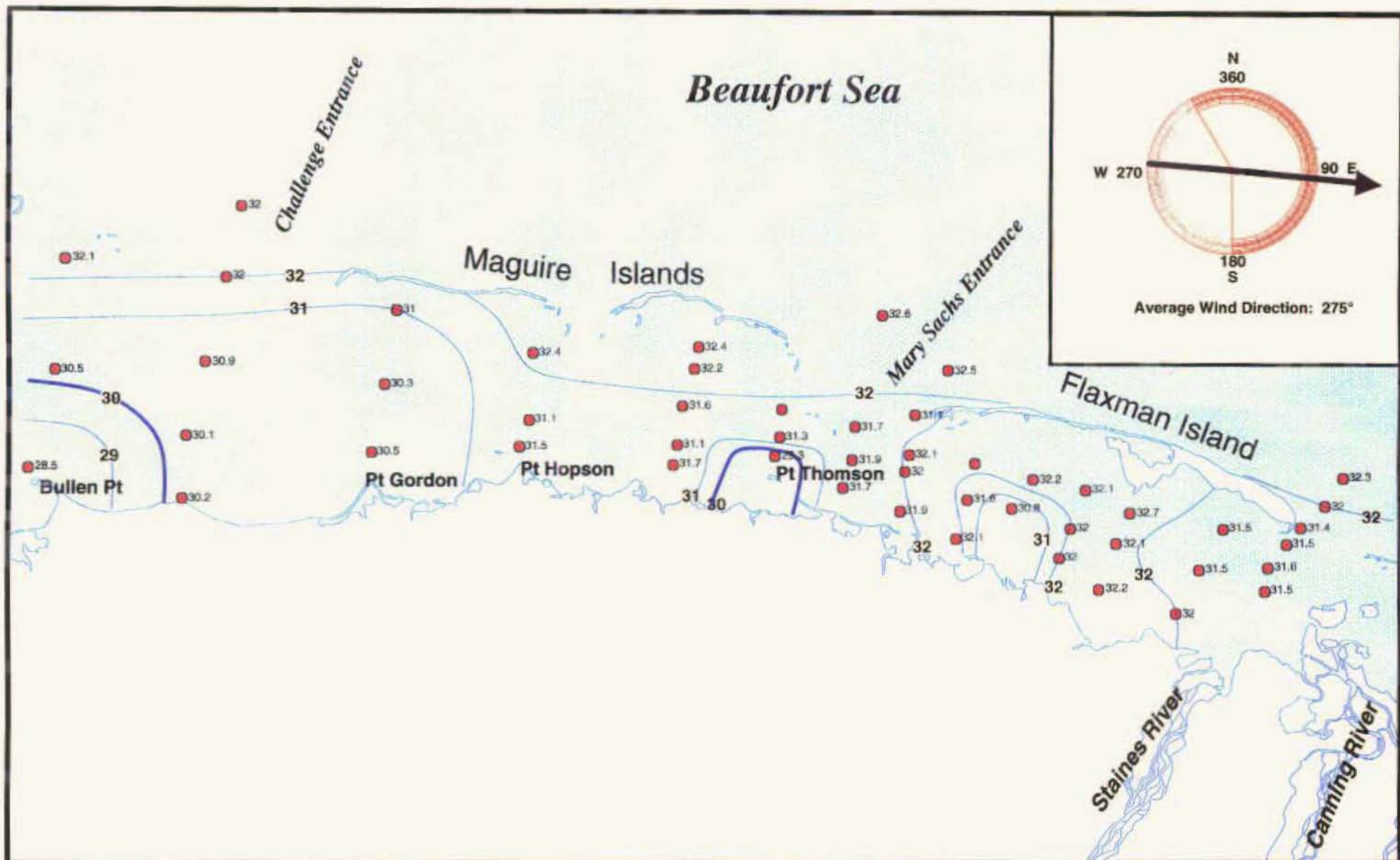


Appendix C
1998 Meteorology Records

1998 Summer Meteorology Record, NOAA Station #9497645 1, Prudhoe Bay, Alaska



Appendix D
1998 Hydrography - Maps Illustrating the Distribution of
Surface and Bottom Water Salinity and Temperature

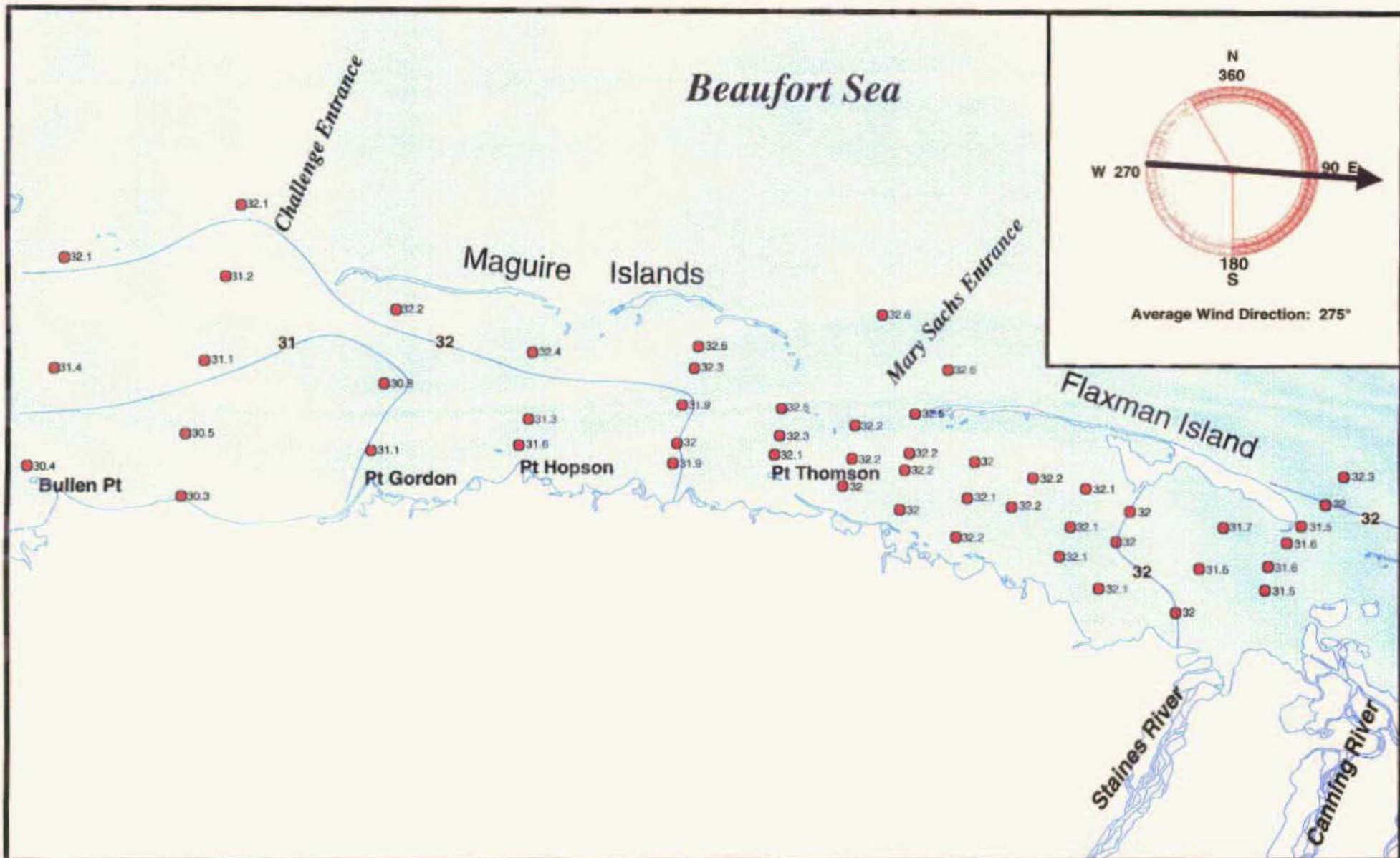


Contour Interval: 1 part per thousand

**Point Thomson Unit Area 1998 Physical Oceanography Study
Surface Salinity Map
July 31, 1998**

**Figure
D-1**

URS Greiner Woodward Clyde

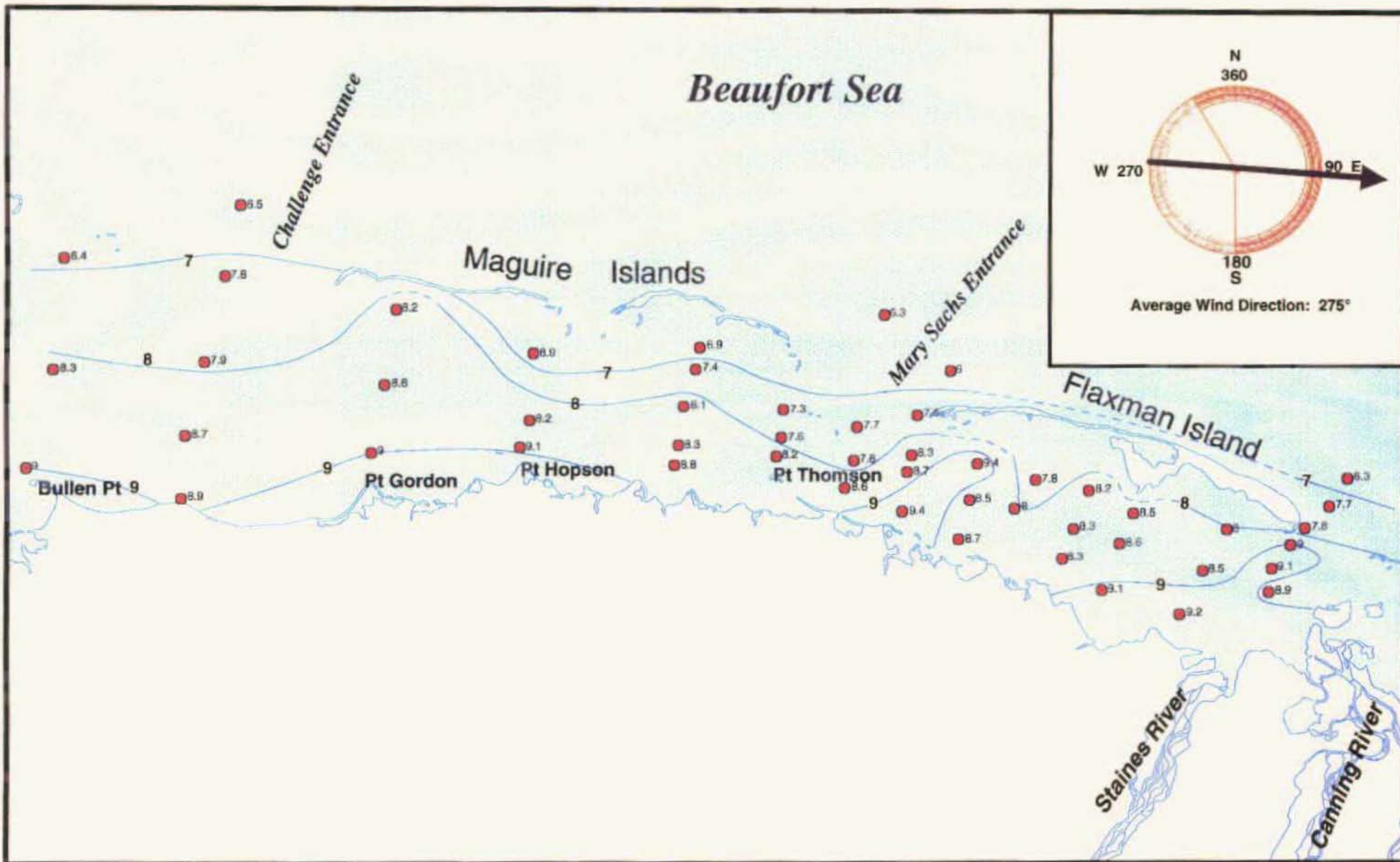


Contour Interval: 1 part per thousand

Point Thomson Unit Area 1998 Physical Oceanography Study
 Bottom Salinity Map
 July 31, 1998

Figure
 D-2

URS Greiner Woodward Clyde

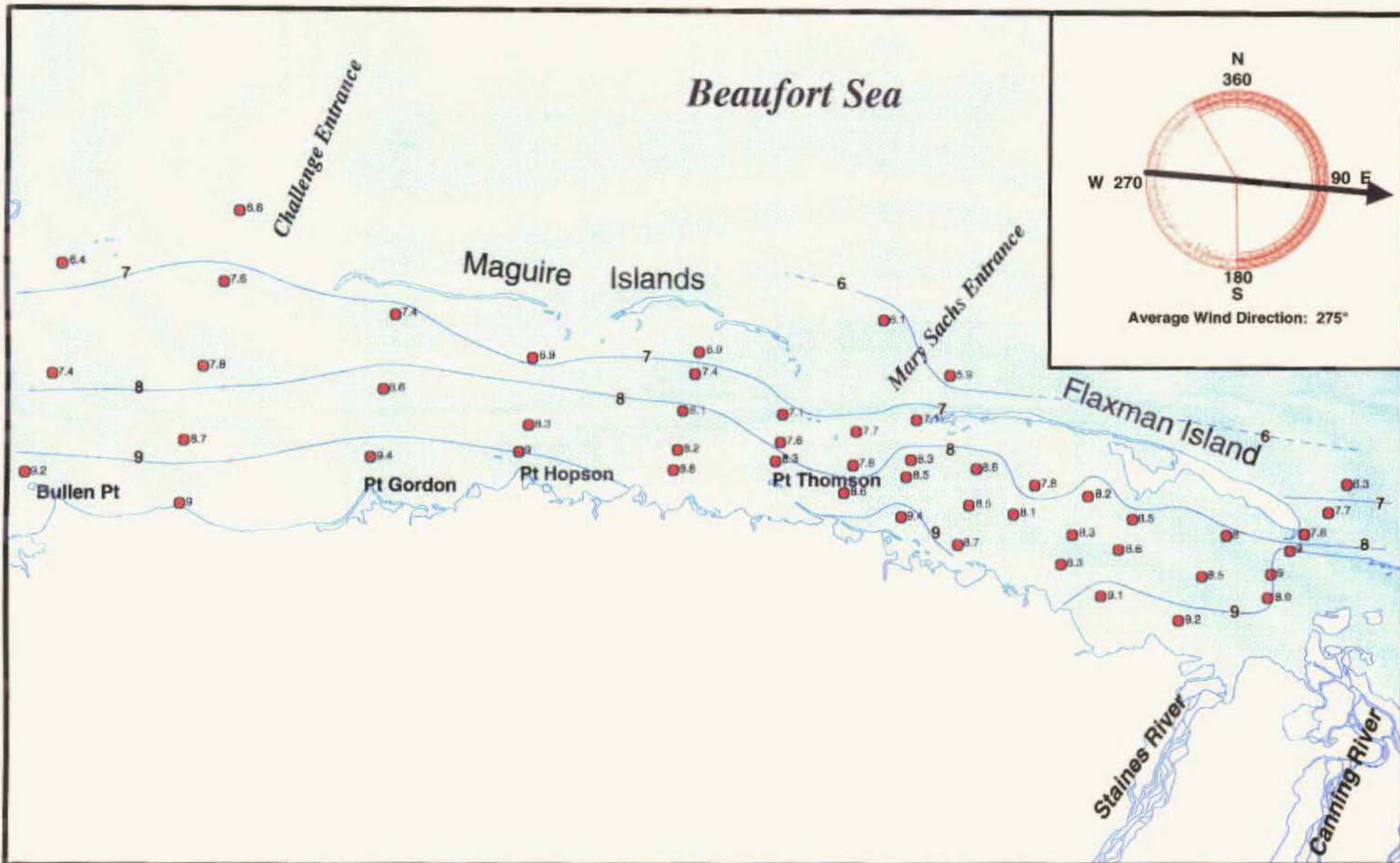


Contour Interval: 1 degree Celsius

Point Thomson Unit Area 1998 Physical Oceanography Study
 Surface Temperature Map
 July 31, 1998

Figure
 D-3

URS Greiner Woodward Clyde

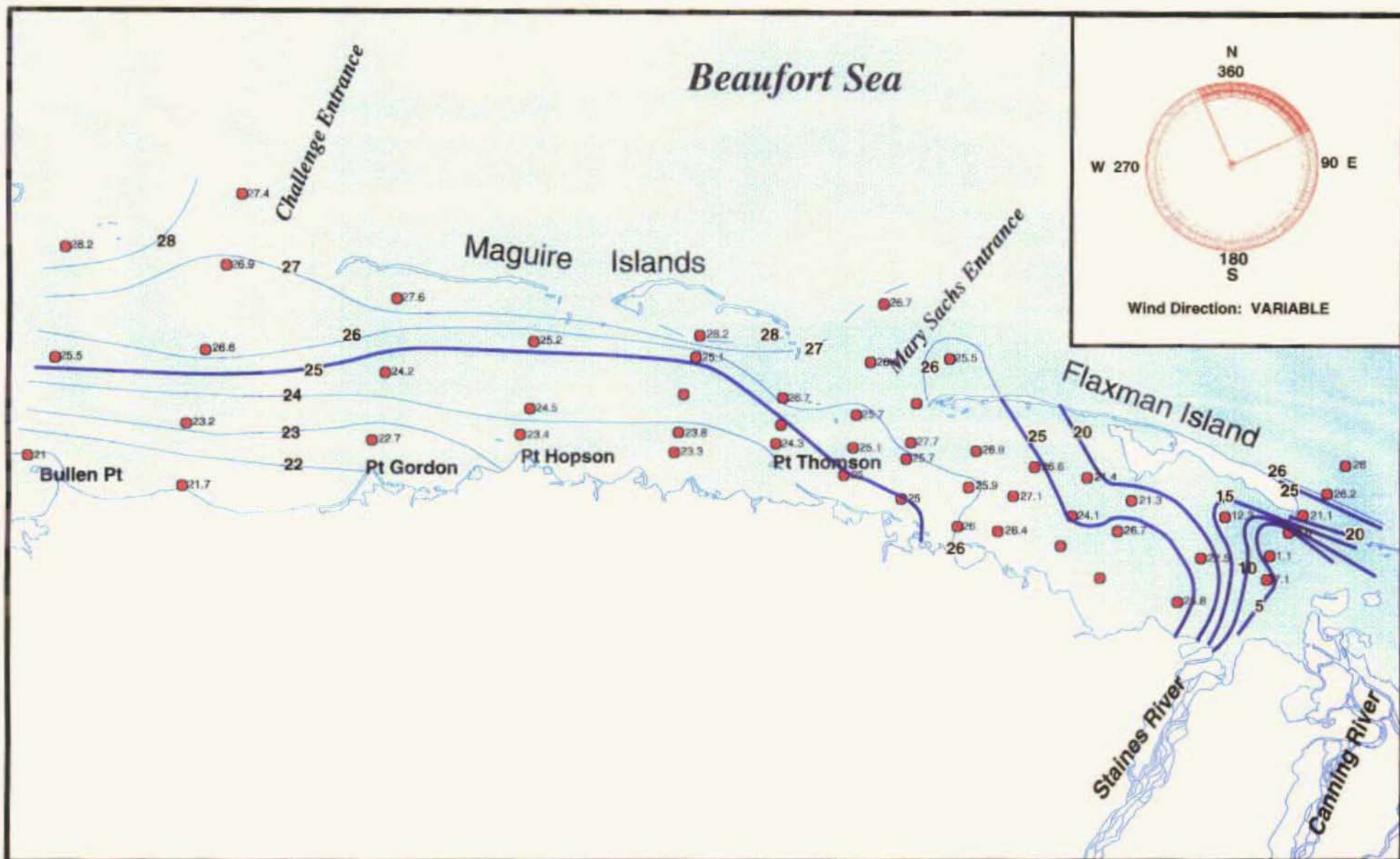


Contour Interval: 1 degree Celsius

**Point Thomson Unit Area 1998 Physical Oceanography Study
Bottom Temperature Map
July 31, 1998**

**Figure
D-4**

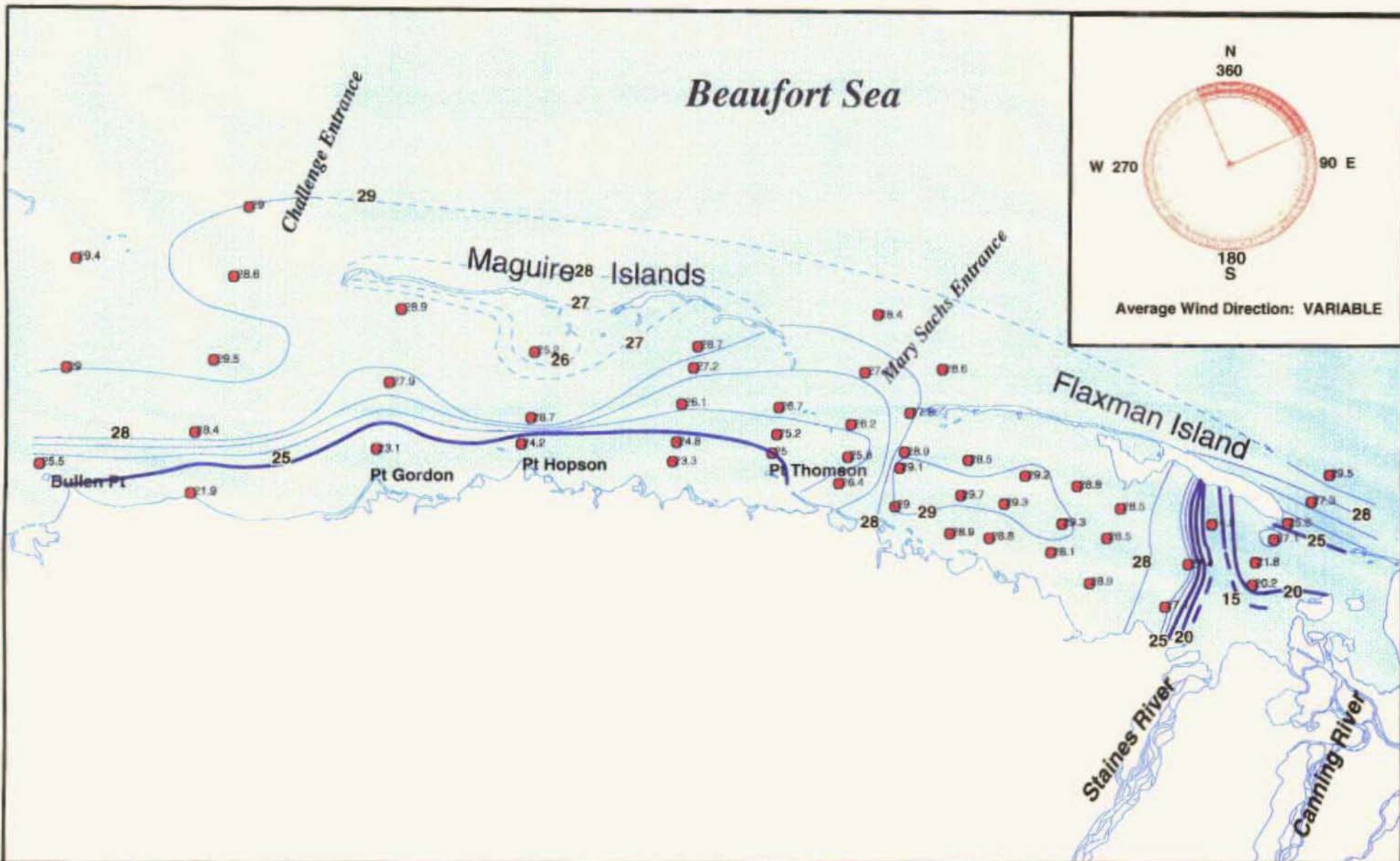
URS Greiner Woodward Clyde



Contour Interval:
 5 parts per thousand (ppt);
 1 ppt interval above 25 ppt.

Point Thomson Unit Area 1998 Physical Oceanography Study
Surface Salinity Map
August 12, 1998

Figure
D-5

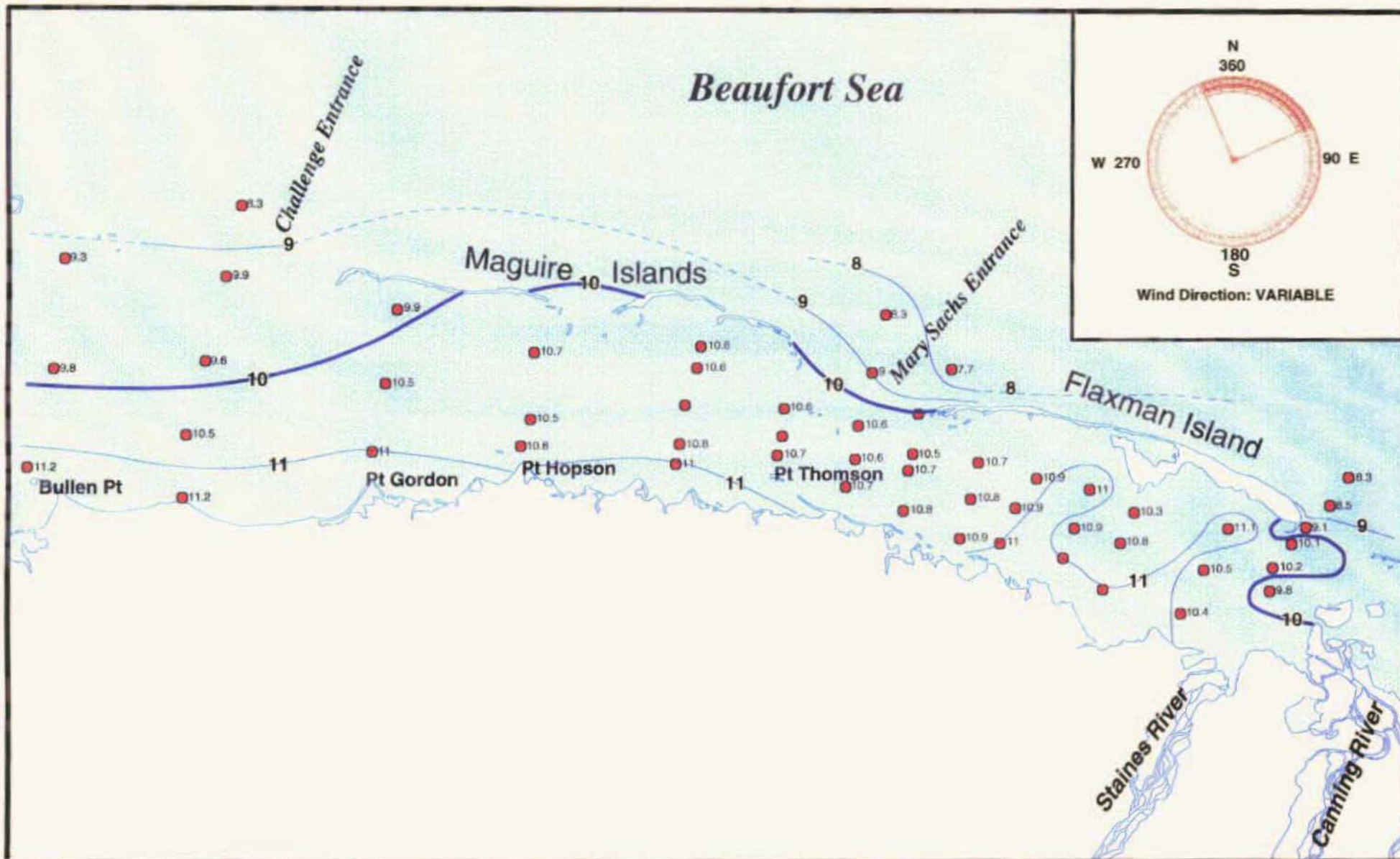


Contour Interval:
 5 parts per thousand (ppt);
 1 ppt interval above 25 ppt.

Point Thomson Unit Area 1998 Physical Oceanography Study
Bottom Salinity Map
August 12, 1998

Figure
D-6

URS Greiner Woodward Clyde

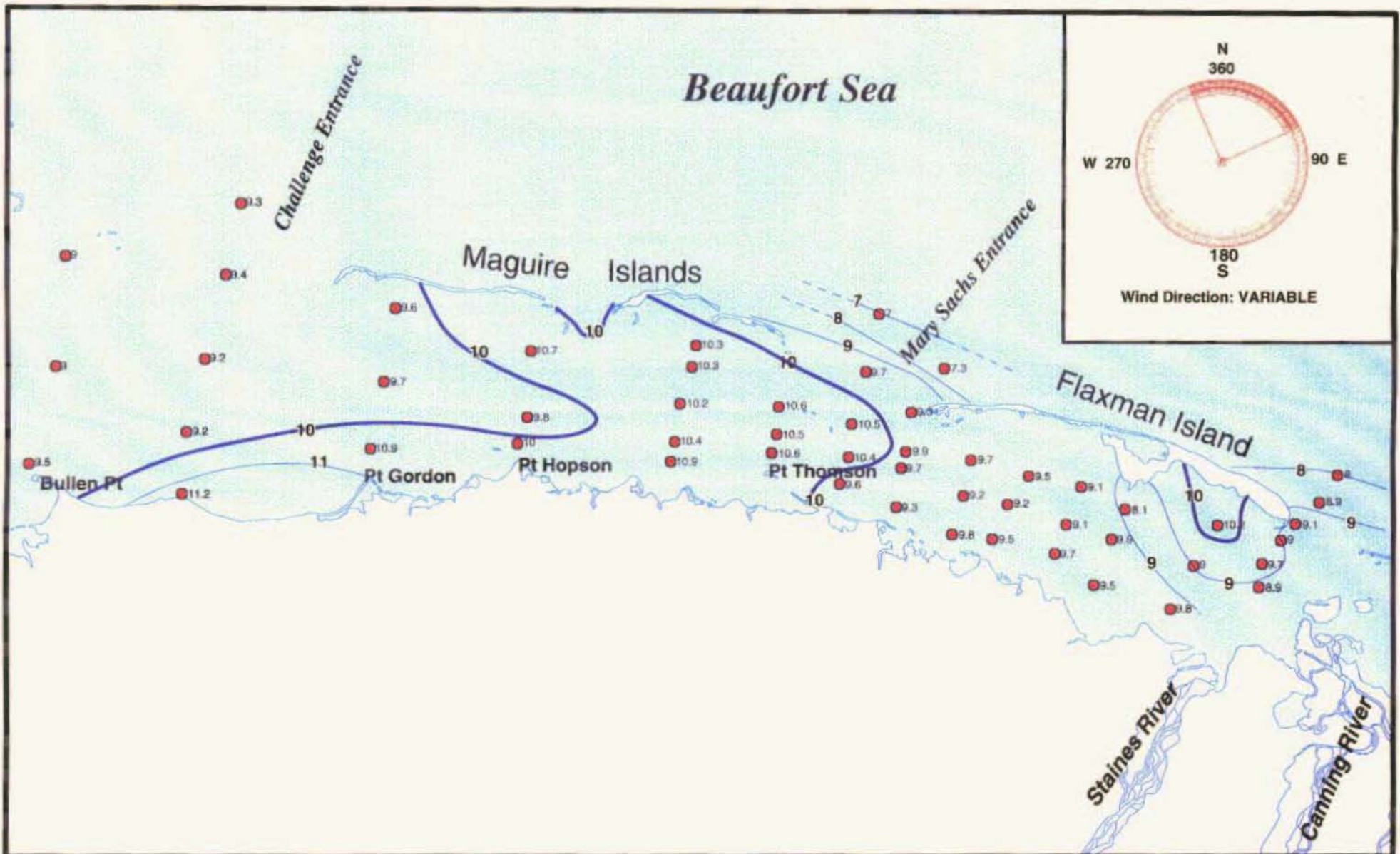


Contour Interval: 1 degree Celsius

Point Thomson Unit Area 1998 Physical Oceanography Study
 Surface Temperature Map
 August 12, 1998

Figure
 D-7

URS Greiner Woodward Clyde

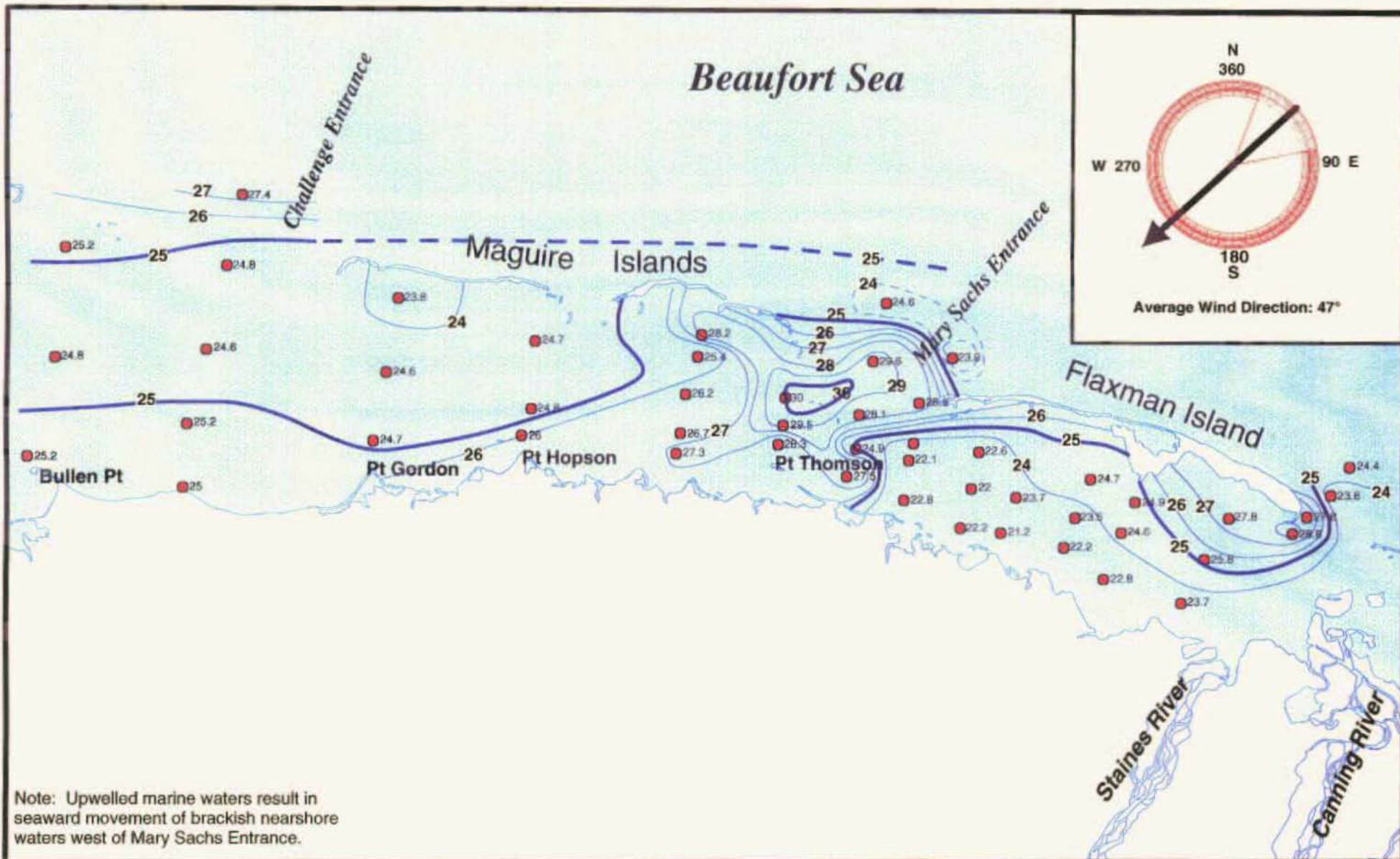


Contour Interval: 1 degree Celsius

**Point Thomson Unit Area 1998 Physical Oceanography Study
Bottom Temperature Map
August 12, 1998**

**Figure
D-8**

URS Greiner Woodward Clyde



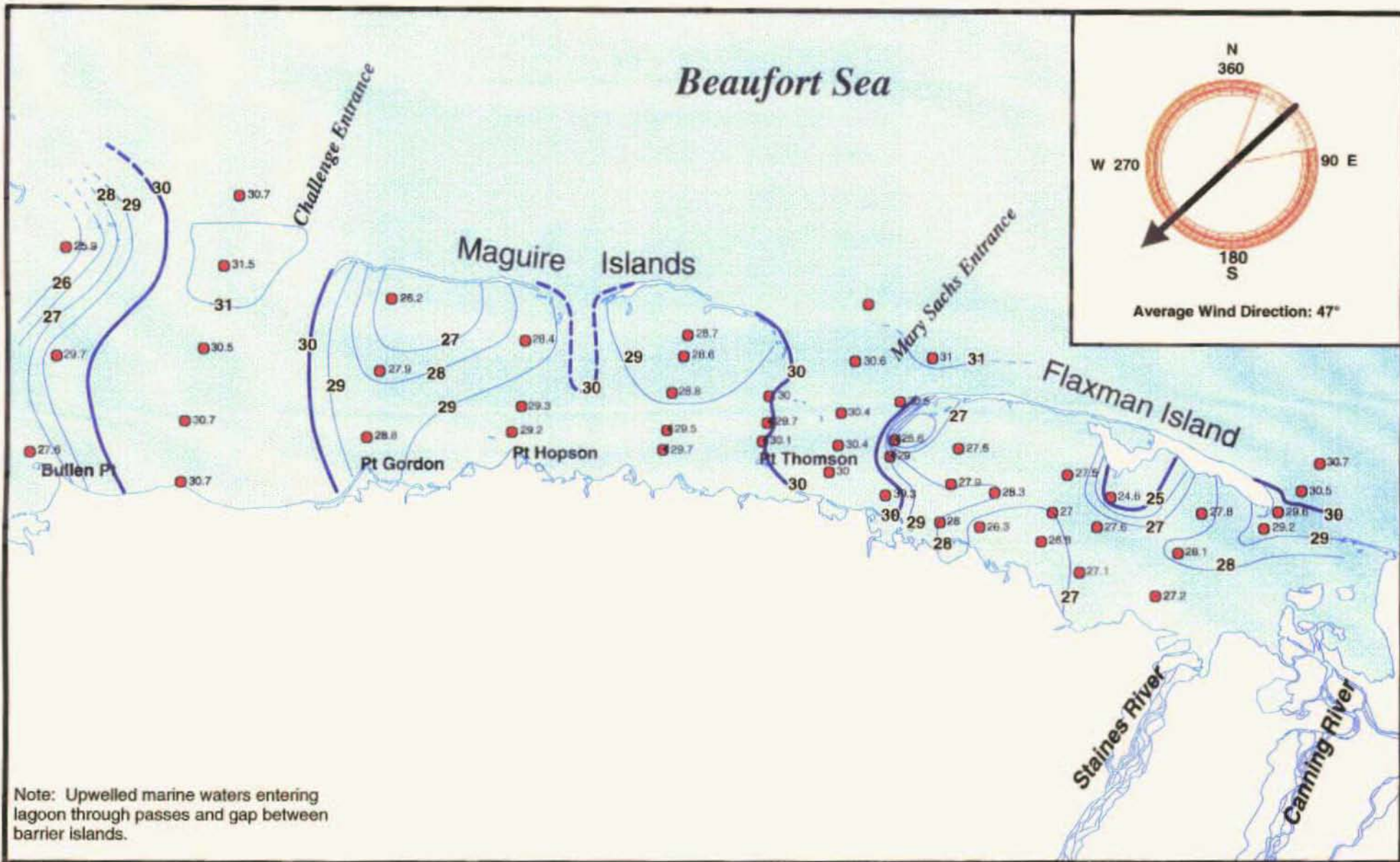
Note: Upwelled marine waters result in seaward movement of brackish nearshore waters west of Mary Sachs Entrance.

Contour Interval: 1 part per thousand

**Point Thomson Unit Area 1998 Physical Oceanography Study
Surface Salinity Map
August 25, 1998**

**Figure
D-9**

URS Greiner Woodward Clyde



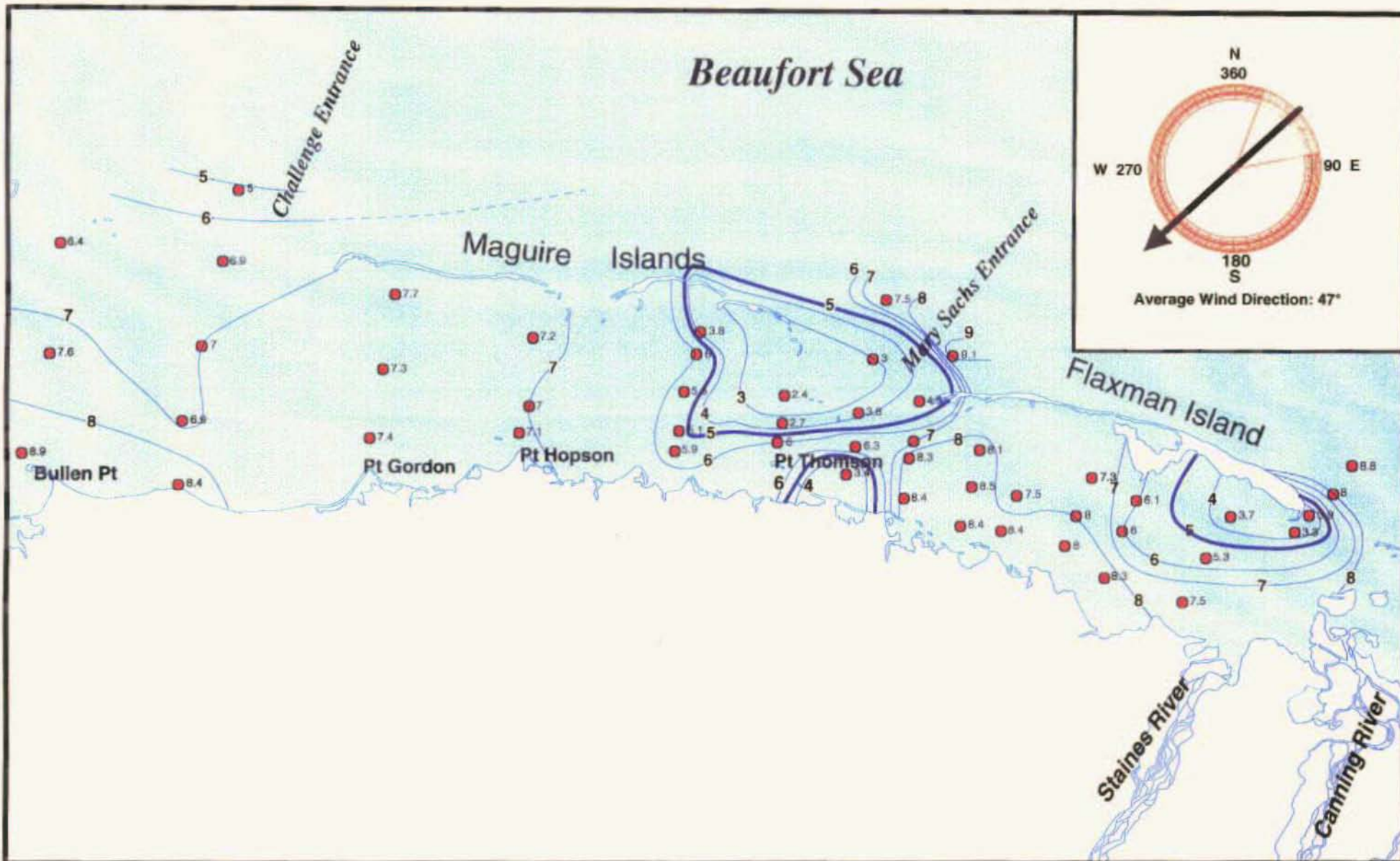
Note: Upwelled marine waters entering lagoon through passes and gap between barrier islands.

Contour Interval: 1 part per thousand

**Point Thomson Unit Area 1998 Physical Oceanography Study
Bottom Salinity Map
August 25, 1998**

**Figure
D-10**

URS Greiner Woodward Clyde

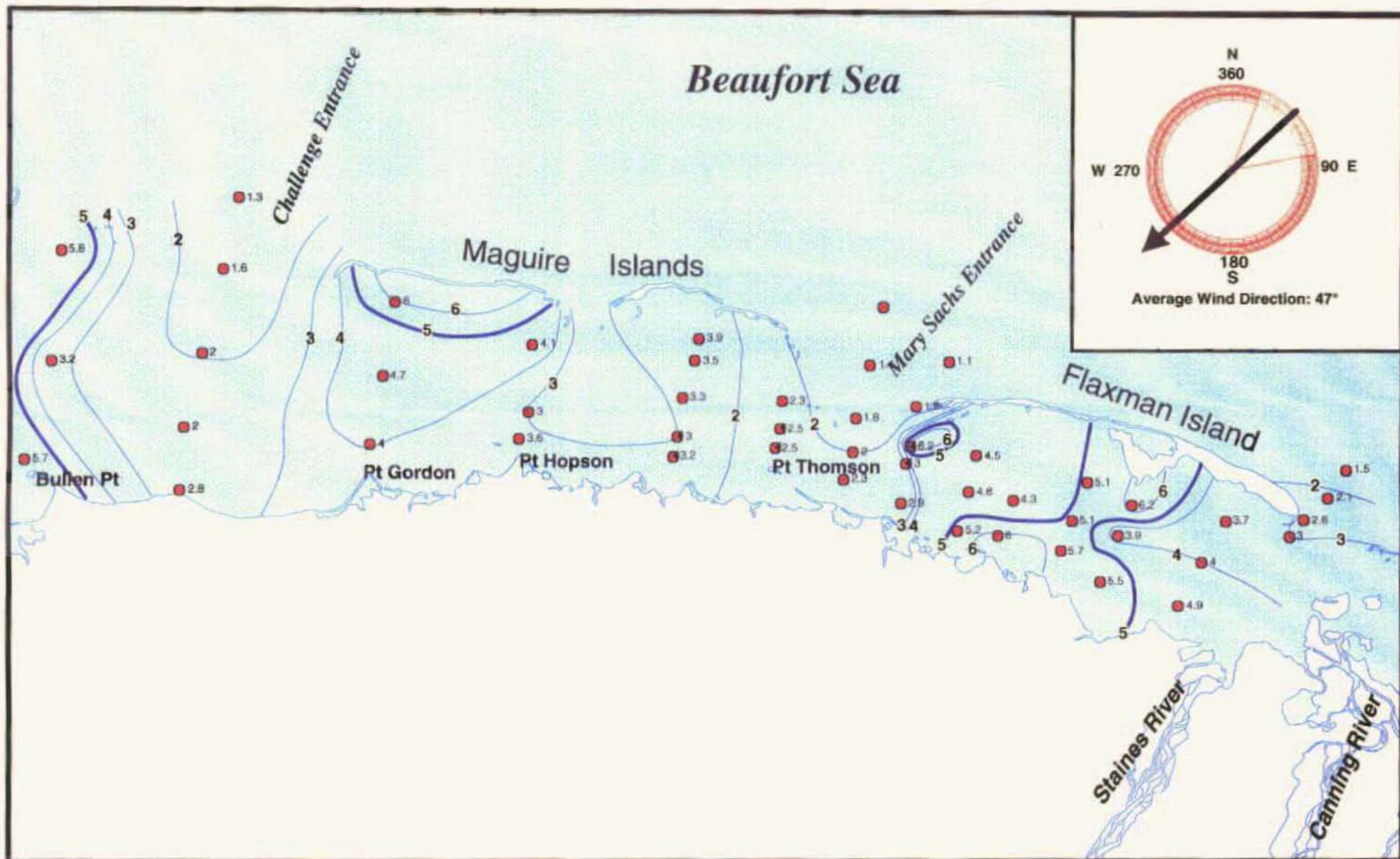


Contour Interval: 1 degree Celsius

**Point Thomson Unit Area 1998 Physical Oceanography Study
Surface Temperature Map
August 25, 1998**

**Figure
D-11**

URS Greiner Woodward Clyde

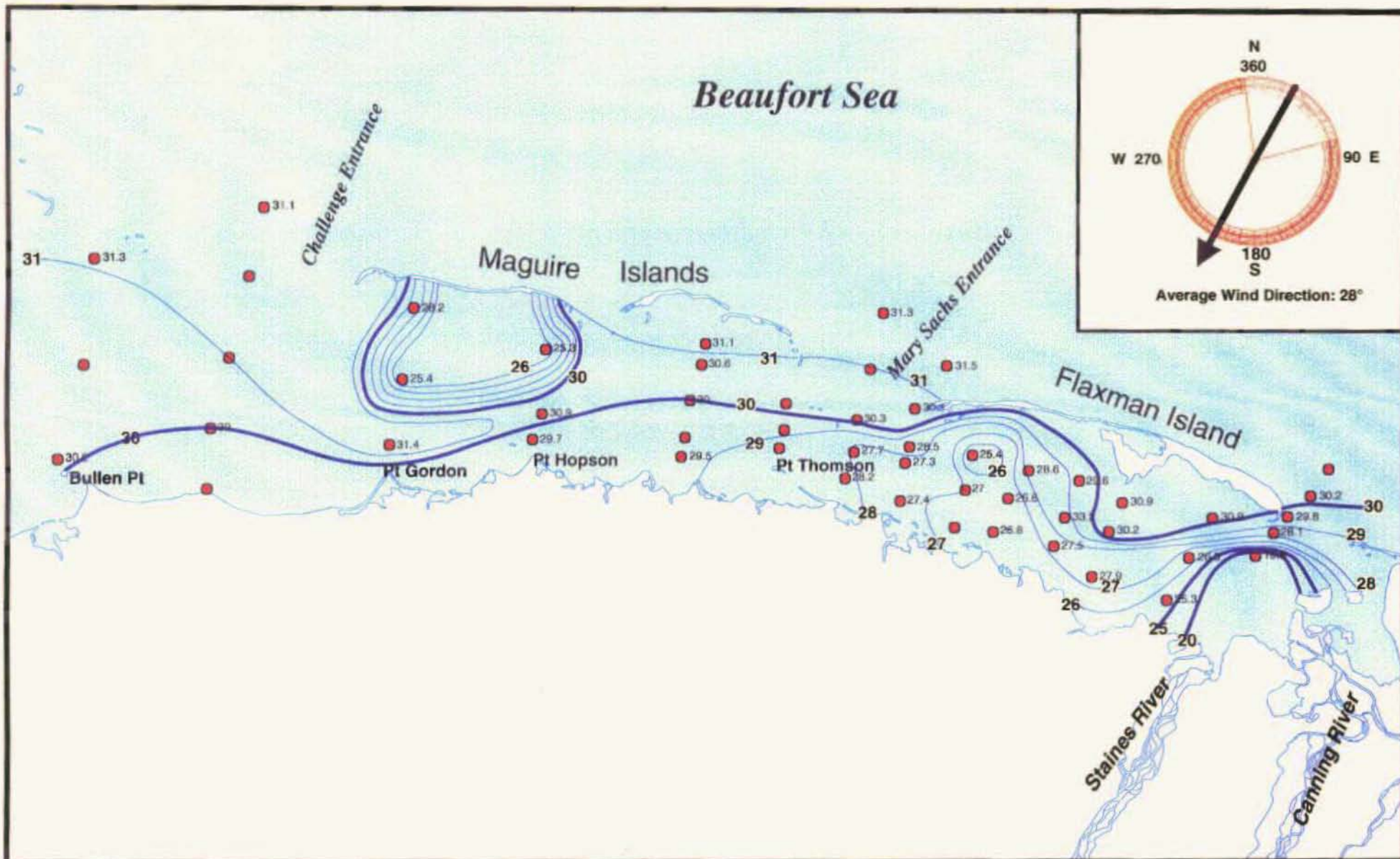


Contour Interval: 1 degree Celsius

Point Thomson Unit Area 1998 Physical Oceanography Study
 Bottom Temperature Map
 August 25, 1998

Figure
 D-12

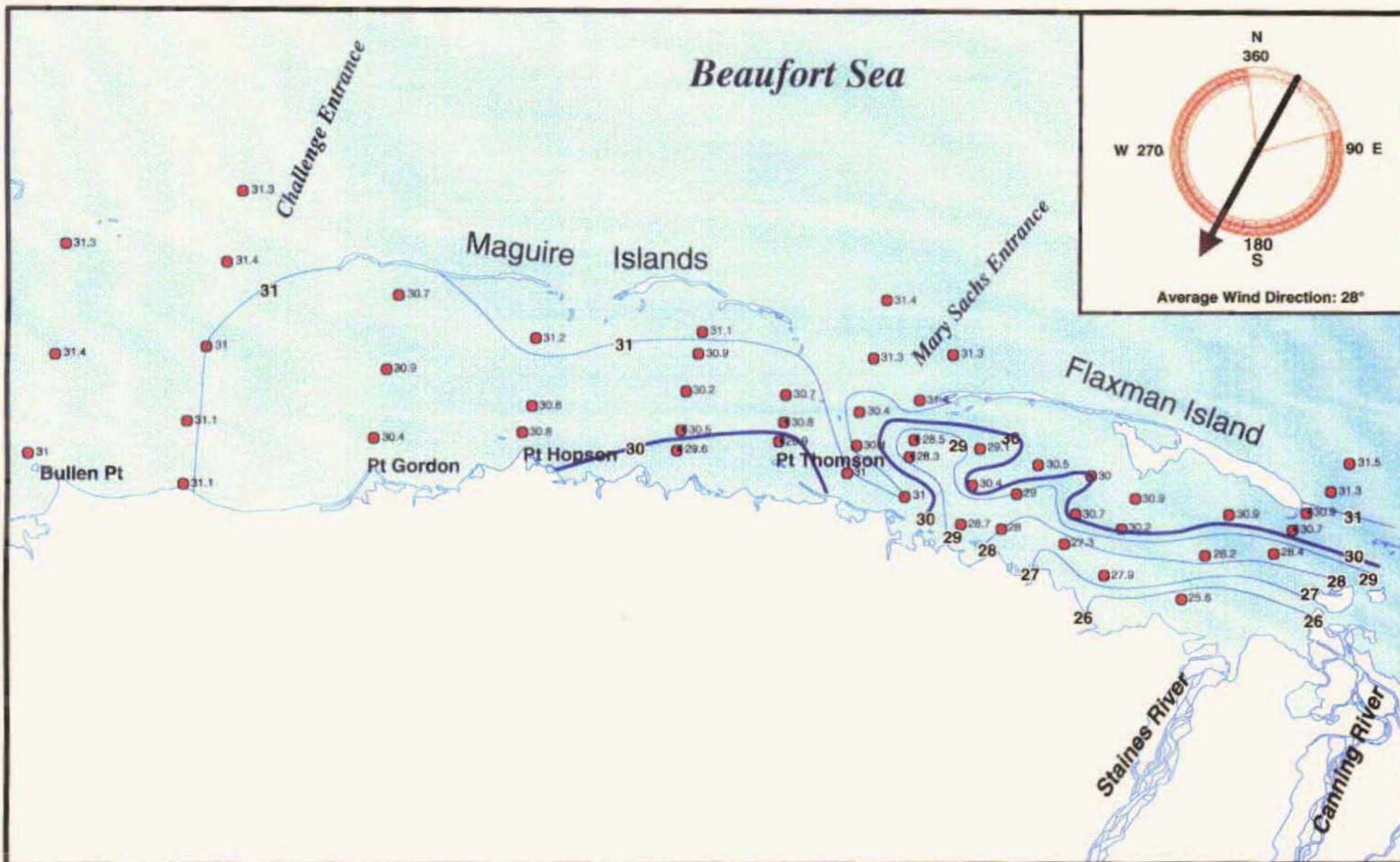
URS Greiner Woodward Clyde



Contour Interval:
 5 parts per thousand (ppt);
 1 ppt interval above 25 ppt.

Point Thomson Unit Area 1998 Physical Oceanography Study
Surface Salinity Map
 September 13, 1998

Figure
D-13

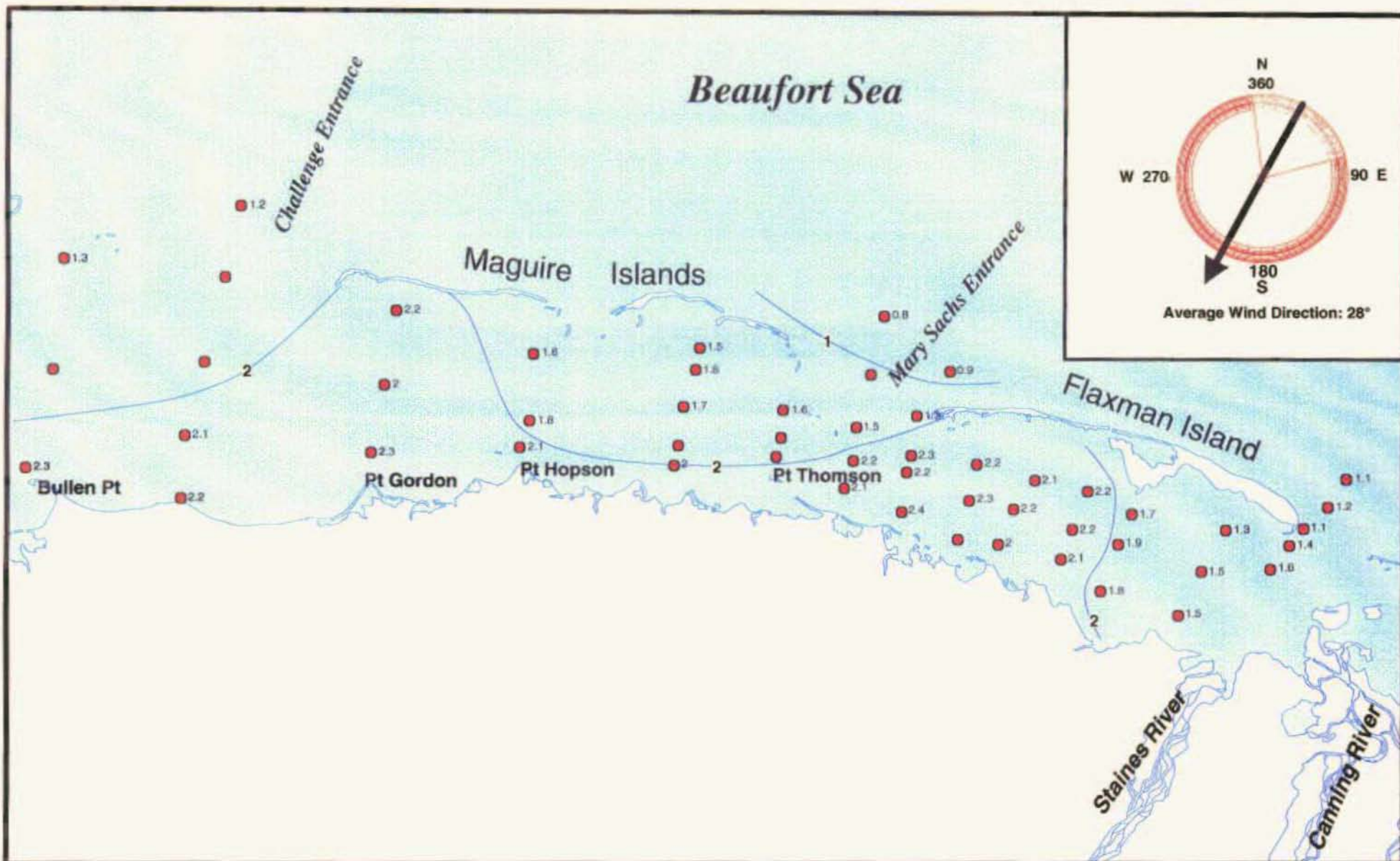


Contour Interval: 1 part per thousand

Point Thomson Unit Area 1998 Physical Oceanography Study
 Bottom Salinity Map
 September 13, 1998

Figure
 D-14

URS Greiner Woodward Clyde

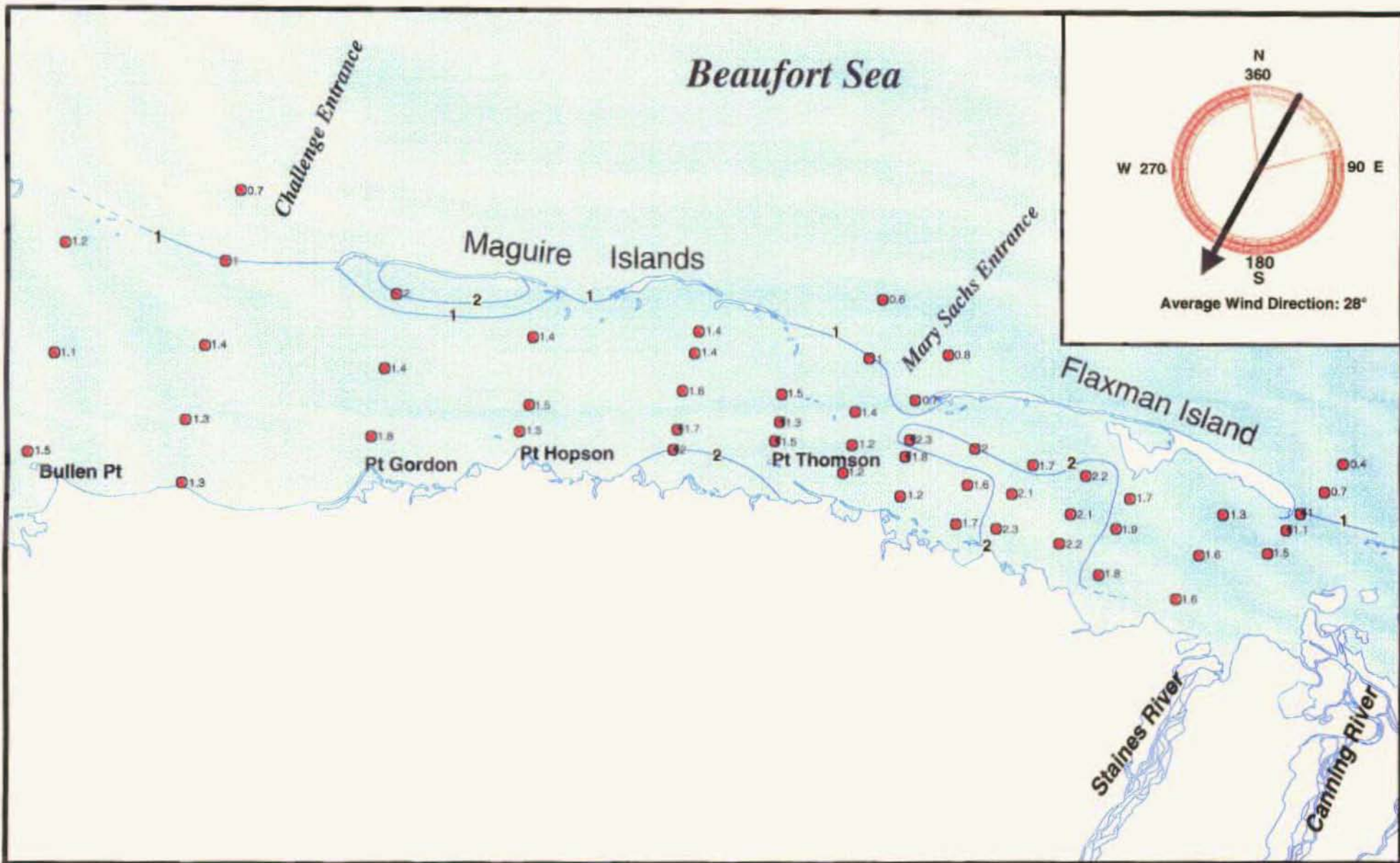


Contour Interval: 1 degree Celsius

**Point Thomson Unit Area 1998 Physical Oceanography Study
Surface Temperature Map
September 13, 1998**

**Figure
D-15**

URS Greiner Woodward Clyde



Contour Interval: 1 degree Celsius

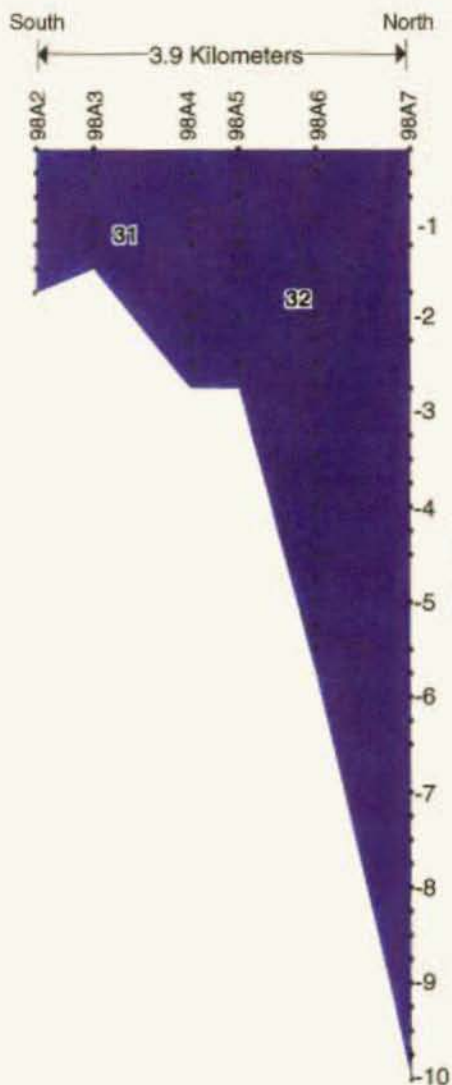
Point Thomson Unit Area 1998 Physical Oceanography Study
 Bottom Temperature Map
 September 13, 1998

Figure
 D-16

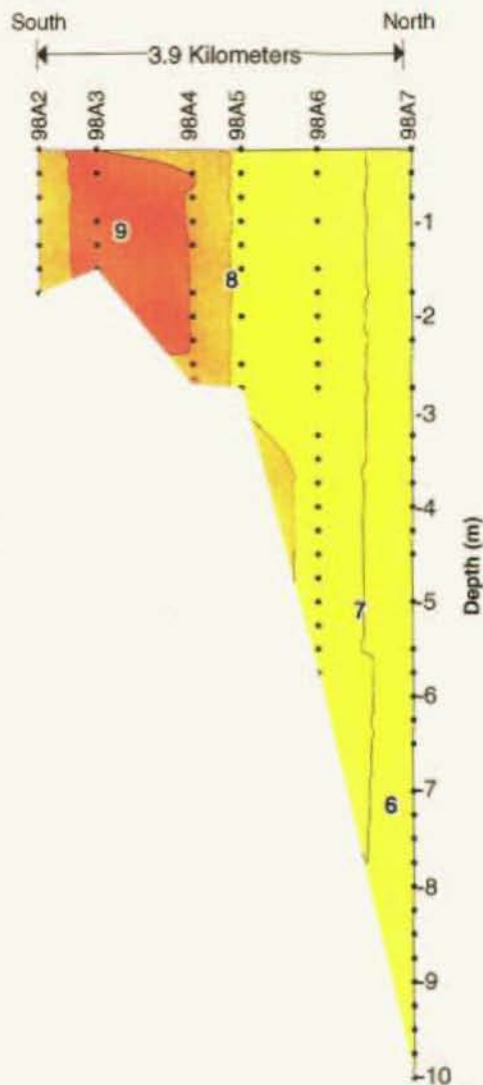
URS Greiner Woodward Clyde

Appendix E
1998 Hydrography - Water Column Temperature and
Salinity Cross-Sections

Salinity (ppt) Profile Transect A



Temperature (Celsius) Profile Transect A



Pt. Thomson Unit Area 1998 Physical Oceanography Study Salinity and Temperature Transect A: July 31, 1998

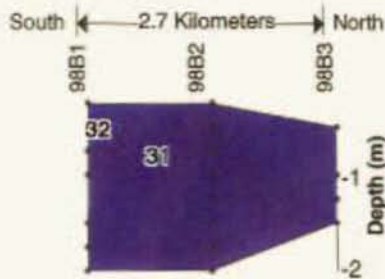
Vertical Sample Interval: 0.25 m
Vertical Exaggeration: 1000:1

Temperature Contour Interval: 1° Celsius
Salinity Contour Interval: 1 part per thousand

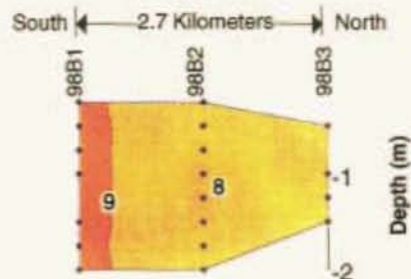
Figure E-1

URS Greiner Woodward Clyde

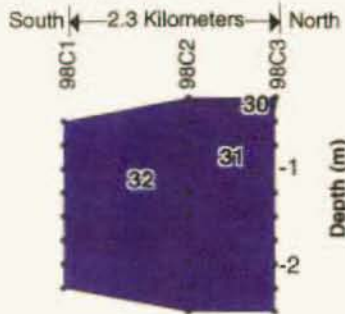
**Salinity (ppt) Profiles
Transect B**



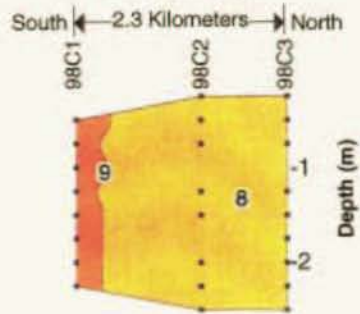
**Temperature (Celsius) Profiles
Transect B**



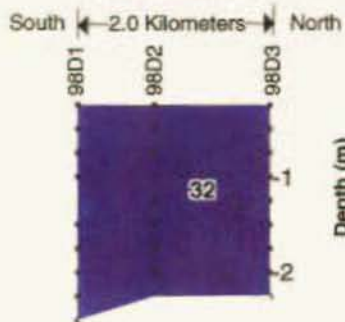
Transect C



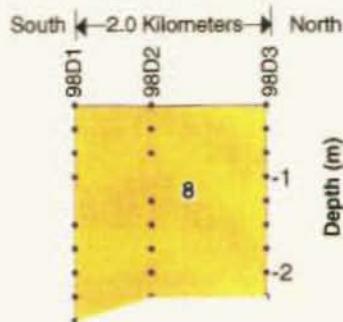
Transect C



Transect D



Transect D



**Pt. Thomson Unit Area
1998 Physical Oceanography Study
Salinity and Temperature
Transects B, C, & D: July 31, 1998**

Vertical Sample Interval: 0.25 m
Vertical Exaggeration: 1000:1

Temperature Contour Interval: 1° Celsius
Salinity Contour Interval: 1 part per thousand

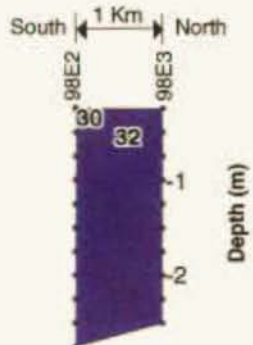
**Figure
E-2**

URS Greiner Woodward Clyde

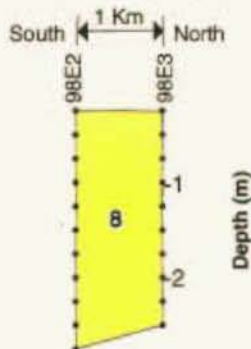
Salinity (ppt) Profiles

Temperature (Celsius) Profiles

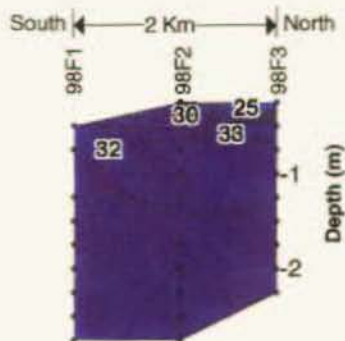
Transect E



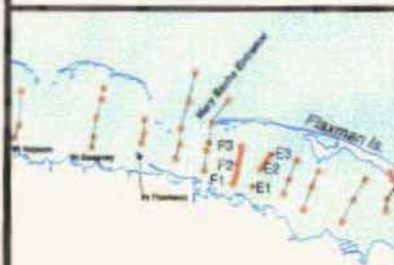
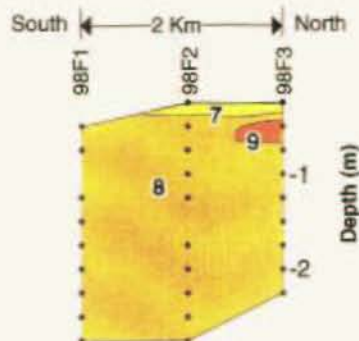
Transect E



Transect F



Transect F



**Pt. Thomson Unit Area
1998 Physical Oceanography Study
Salinity and Temperature
Transects E & F: July 31, 1998**

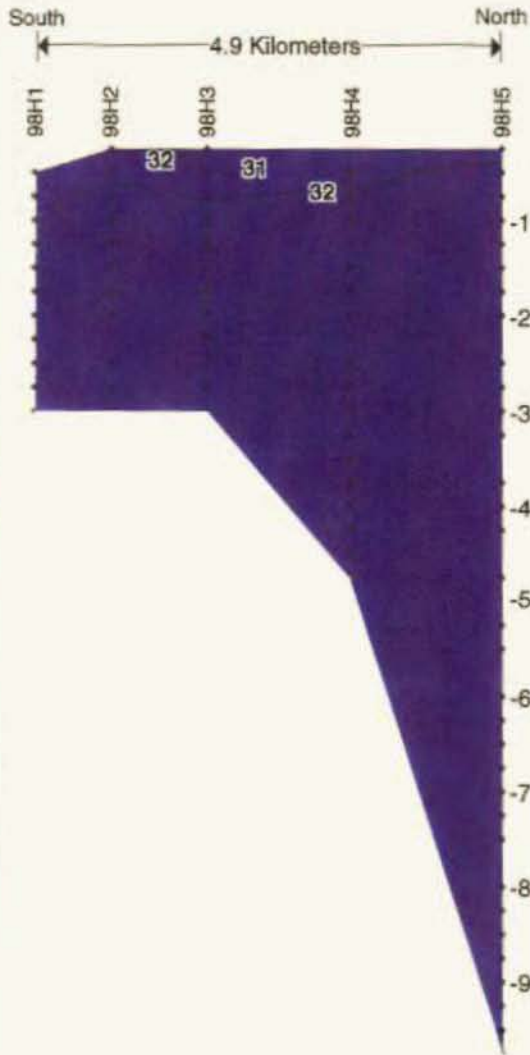
Vertical Sample Interval: 0.25 m
Vertical Exaggeration: 1000:1

Temperature Contour Interval: 1° Celsius
Salinity Contour Interval: 1 part per thousand

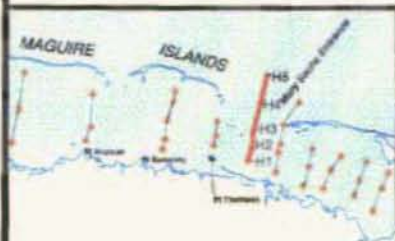
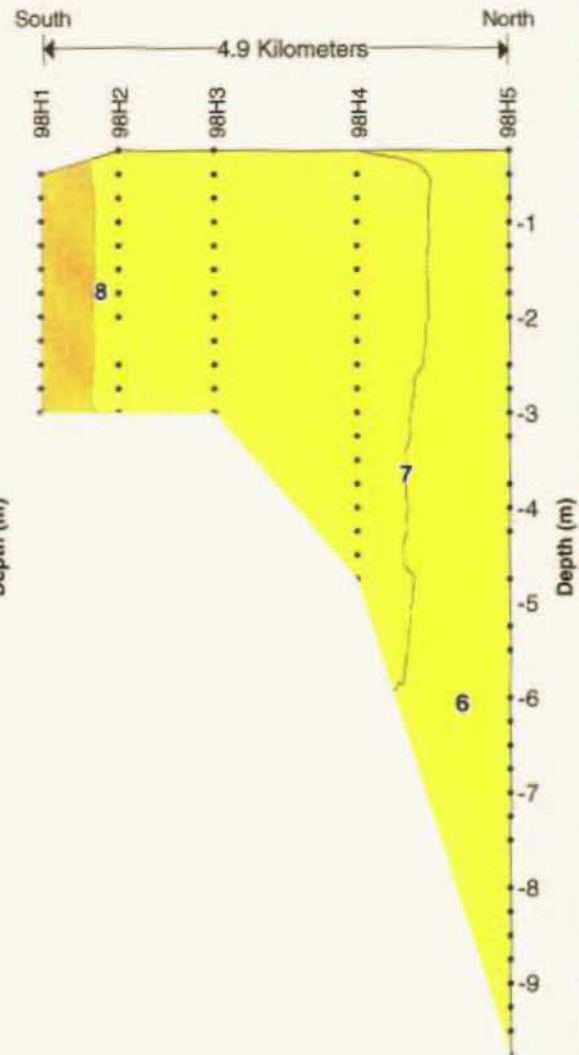
**Figure
E-3**

URS Greiner Woodward Clyde

**Salinity (ppt) Profile
Transect H**



**Temperature (Celsius) Profile
Transect H**



**Pt. Thomson Unit Area
1998 Physical Oceanography Study
Salinity and Temperature
Transect H: July 31, 1998**

Vertical Sample Interval: 0.25 m
Vertical Exaggeration: 1000:1

Temperature Contour Interval: 1° Celsius
Salinity Contour Interval: 1 part per thousand

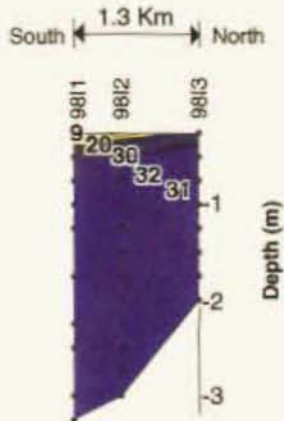
**Figure
E-5**

URS Greiner Woodward Clyde

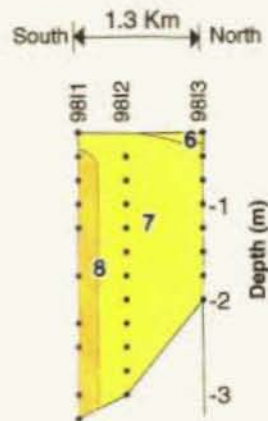
Salinity (ppt) Profiles

Temperature (Celsius) Profiles

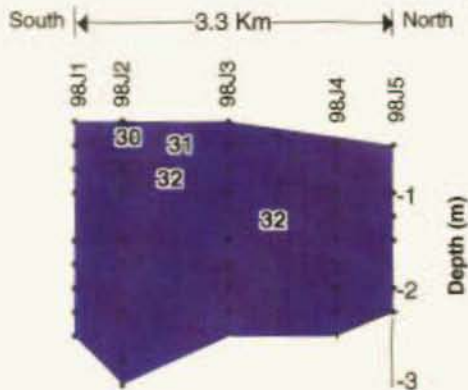
Transect I



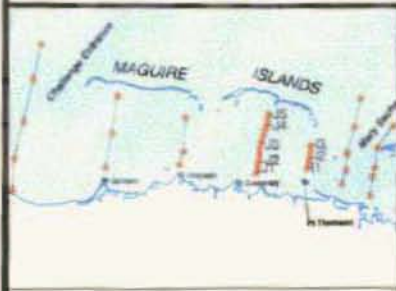
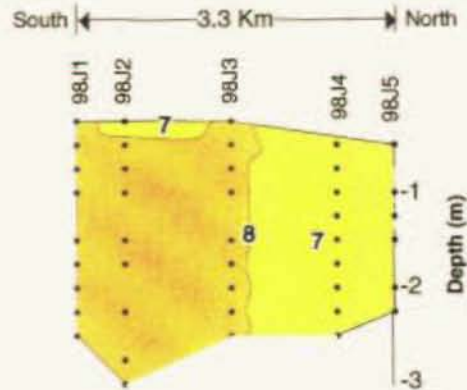
Transect I



Transect J



Transect J



**Pt. Thomson Unit Area
1998 Physical Oceanography Study
Salinity and Temperature
Transects I & J: July 31, 1998**

Vertical Sample Interval: 0.25 m
Vertical Exaggeration: 1000:1

Temperature Contour Interval: 1° Celsius
Salinity Contour Interval: 1 part per thousand

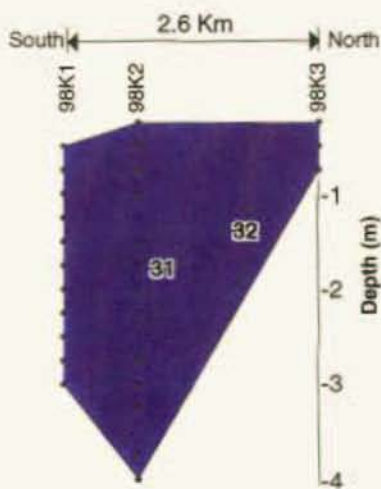
**Figure
E-6**

URS Greiner Woodward Clyde

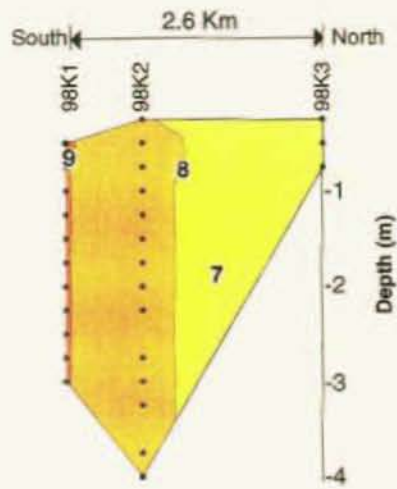
Salinity (ppt) Profiles

Temperature (Celsius) Profiles

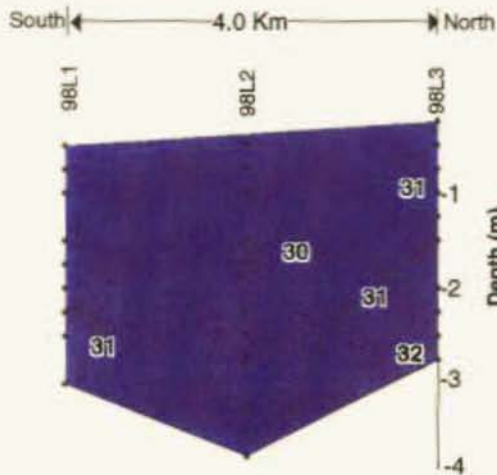
Transect K



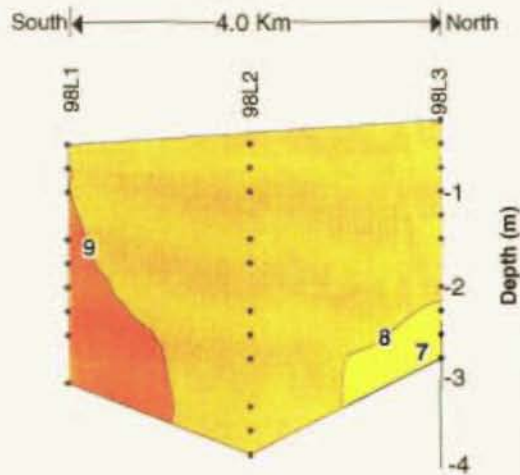
Transect K



Transect L



Transect L



**Pt. Thomson Unit Area
1998 Physical Oceanography Study
Salinity and Temperature
Transects K & L: July 31, 1998**

Vertical Sample Interval: 0.25 m
Vertical Exaggeration: 1000:1

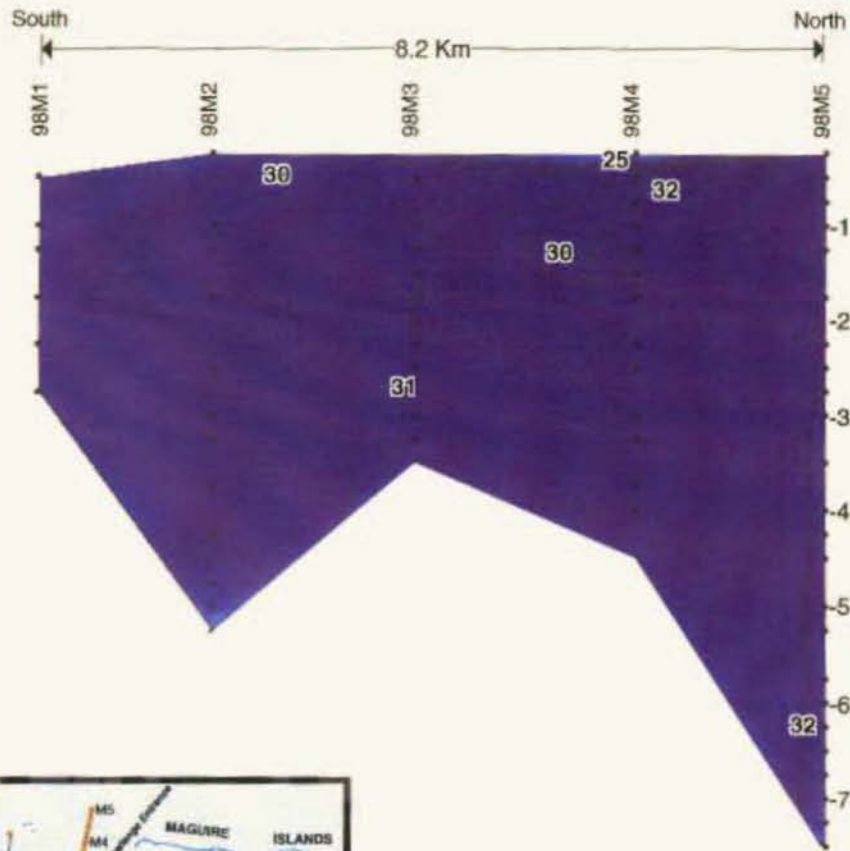
Temperature Contour Interval: 1° Celsius
Salinity Contour Interval: 1 part per thousand

**Figure
E-7**

URS Greiner Woodward Clyde

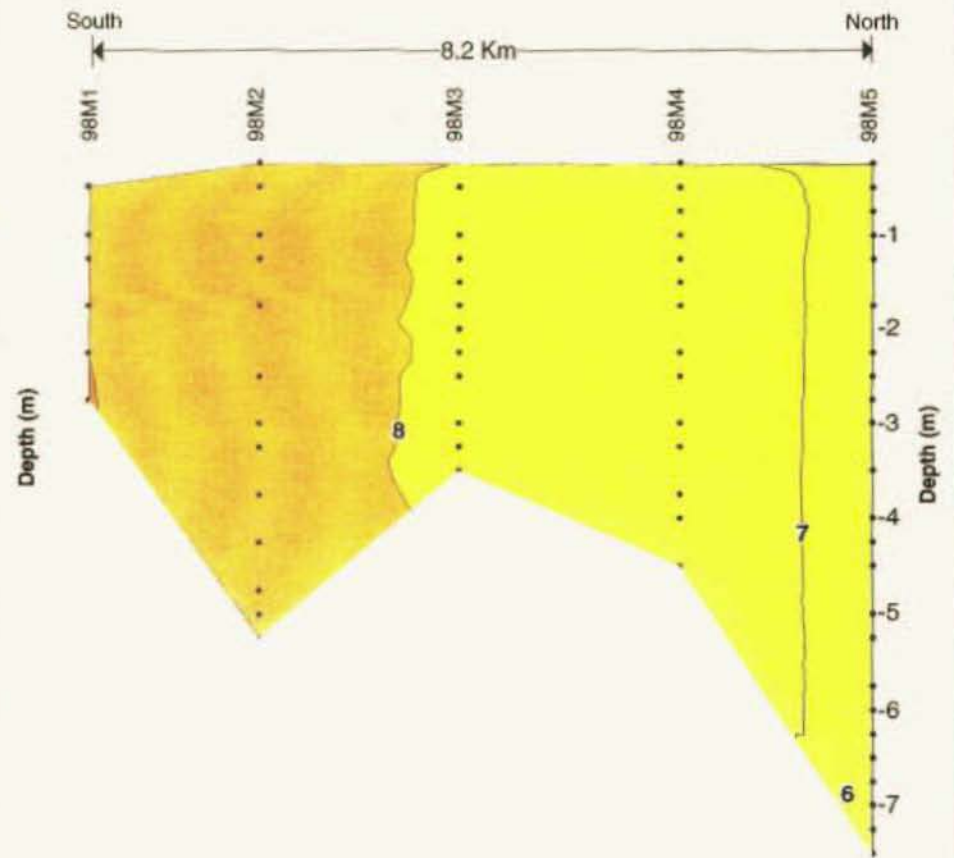
Salinity (ppt) Profile

Transect M



Temperature (Celsius) Profile

Transect M



Vertical Sample Interval: 0.25 m
Vertical Exaggeration: 1000:1

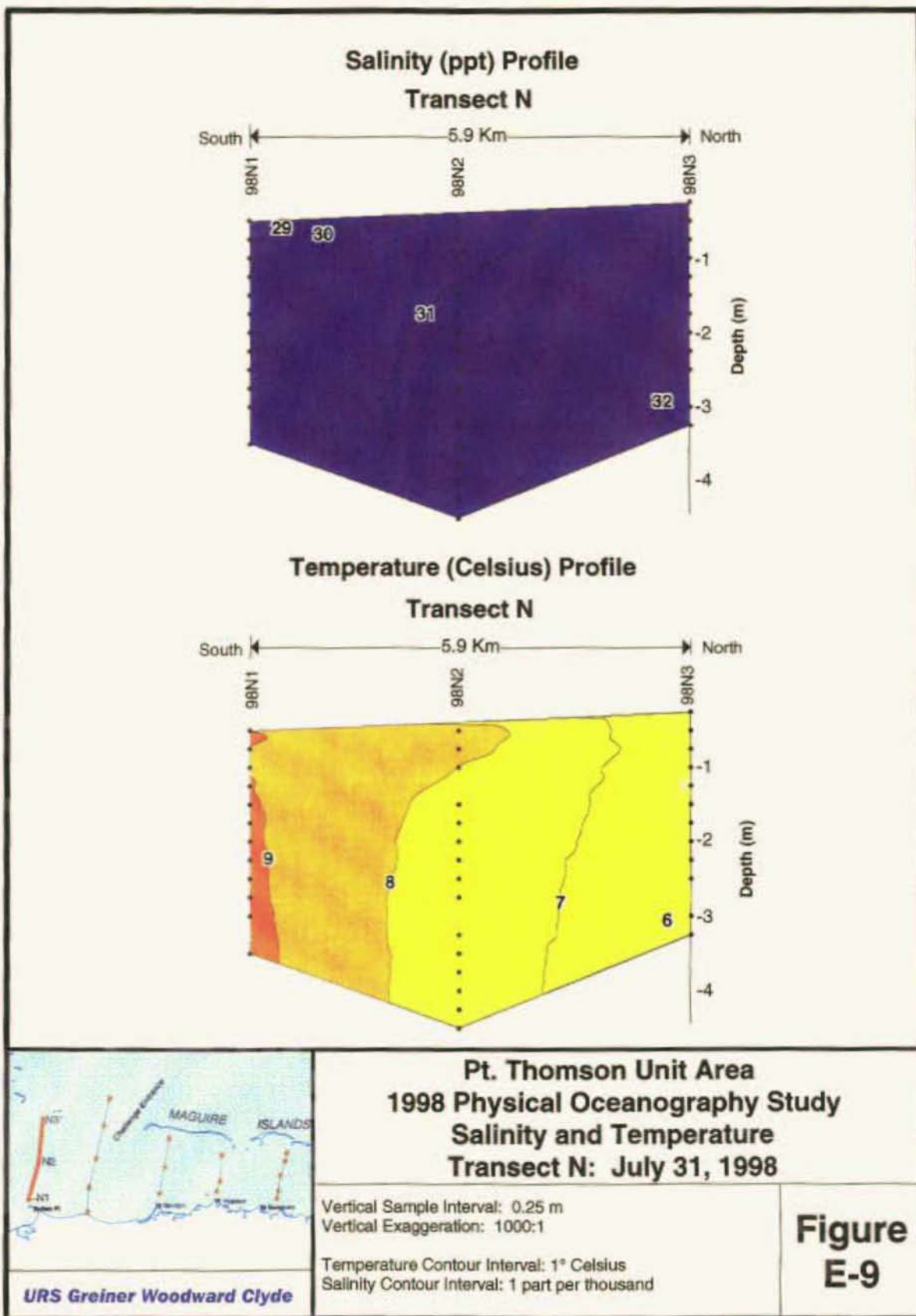
Temperature Contour Interval: 1° Celsius
Salinity Contour Interval: 1 part per thousand

Pt. Thomson Unit Area
1998 Physical Oceanography Study
Salinity and Temperature
Transect M: July 31, 1998

Figure
E-8

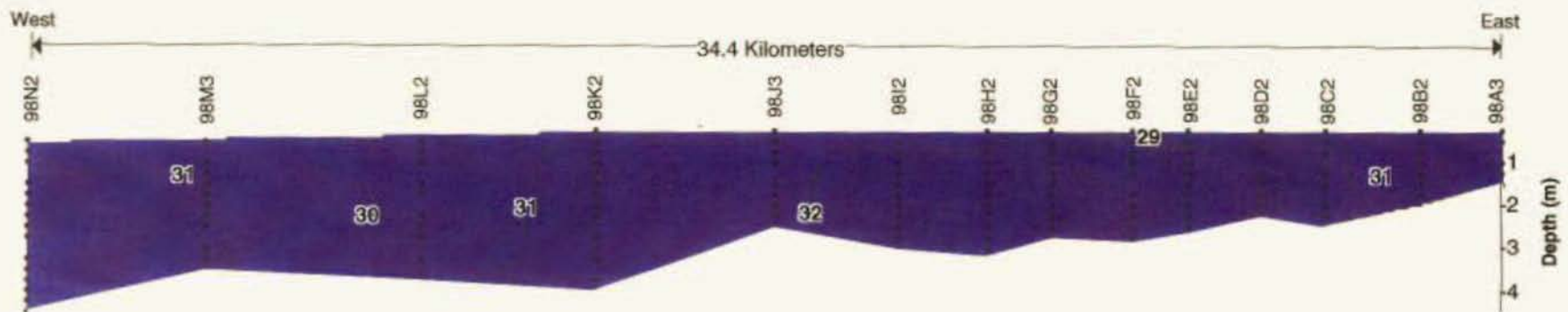
URS Greiner Woodward Clyde

S:\projects\hccc\986602\maguire\transect\plac\31 July 01 July M.wor

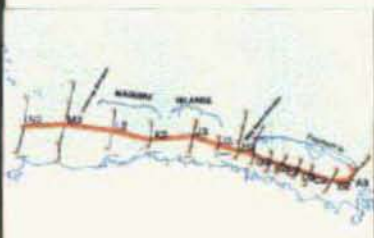
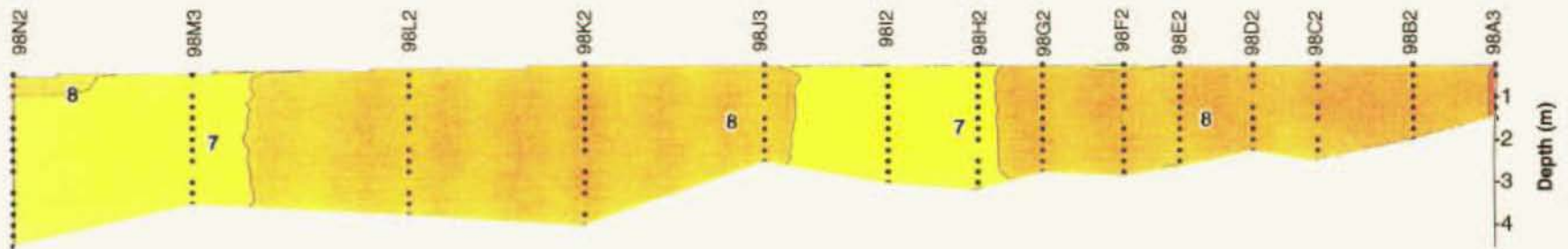


Cross Sectional Transect

Salinity (ppt) Profile



Temperature (Celsius) Profile



Vertical Sample Interval: 0.25 m
Vertical Exaggeration: 1000:1

Temperature Contour Interval: 1° Celsius
Salinity Contour Interval: 1 part per thousand

Pt. Thomson Unit Area
1998 Physical Oceanography Study
Salinity and Temperature
Cross Sectional Transect: July 31, 1998

Figure
E-10