Name: C DEZAN

CHRONOSEQUENCE

Page: 1

Hippoglossus stenolepis CTD Samples

Glacier Bay National Park & Preserve, Alaska, U.S.A.

Dump # C 2016 Date: 950629 Time Instrument on 2136
Cast #: C 00 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ✓ Zone: 8
UTMX: 435086 UTMY: 6541194 Time of Position
Depth m: 282 ☐ Depth Ft: 845 Depth Fa: 141
Surface Temp (C): .
Comments: Set #: Chaos 28, Set 137
Bad Battery
Bottom: Hard ☐ Soft ☐ Unknown ☒

Dump # C 2016 Date: 950630 Time Instrument on 1705
Cast #: C 01 Other Sampling: eff 17 14
Sonic ☐ Bottom ☐ Trawl ☐ Longline ✓ Zone: 8
UTMX: 422411 UTMY: 6547427 Time of Position 170750
Depth m: 258 ☐ Depth Ft: 750 Depth Fa: 125
Surface Temp (C): .
Comments: Set #: CR 25 set 134
Bottom: Hard ☐ Soft ☒ Unknown

Dump # C 2016 Date: 950630 Time Instrument on 1900
Cast #: C 02 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ✓ Zone: 8
UTMX: 427109 UTMY: 6547529 Time of Position 170826
Depth m: 262 ☐ Depth Ft: 785 Depth Fa: 131
Surface Temp (C): .
Comments: Set #: CR 26 set 135
Bottom: Hard ☐ Soft ☒ Unknown

Dump # C 2016 Date: 950630 Time Instrument on 2303
Cast #: C 03 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ✓ Zone: 8
UTMX: 432854 UTMY: 6545208 Time of Position 230629
Depth m: 167 ☐ Depth Ft: 500 Depth Fa: 83.3
Surface Temp (C): .
Comments: Set #: CR 27 set 136
Bottom: Hard ☐ Soft ☒ Unknown

Dump # C 2016 Date: 950701 Time Instrument on 0933
Cast #: C 04 Other Sampling:
NAD-27
Sonic ☐ Bottom ☐ Trawl ☐ Longline ✓ Zone: 8
UTMX: 437267 UTMY: 6531431 Time of Position 093710
Depth m: 334 ☐ Depth Ft: 1002 Depth Fa: 167
Surface Temp (C): .
Comments: Set #: CR 30 set 139
Bottom: Hard ☐ Soft ☒ Unknown

Name: C DEZAN

CTD Samples

Glacier Bay National Park & Preserve, Alaska, U.S.A.

Dump #: C 2 0 0 1 6 Date: 9 5 0 7 0 1 Time Instrument on: 1 0 1 2
Cast #: c 0 5 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 4 3 4 8 9 2 UTMY: 6 5 3 5 7 0 6 Time of Position: 1 0 1 4 2 0
Depth m: 200 ☐ Depth Ft: 6 0 0 Depth Fa: 1 0 0
Surface Temp (C): . ☐
Comments: Set #: CR 29 set 138
Bottom: Hard ☐ Soft ☐ Unknown ☐

Dump #: C 2 0 0 1 7 Date: 9 4 0 7 0 1 Time Instrument on: 1 3 2 5
Cast #: c 0 0 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ✓ Zone: 8
UTMX: 4 3 4 9 2 1 UTMY: 6 5 4 1 0 8 9 Time of Position: 1 3 2 7 0 1
Depth m: 259 ☐ Depth Ft: 7 7 7 Depth Fa: 1 5 0
Surface Temp (C): . ☐
Comments: Set #: CR 28 set 137
2nd time
Bottom: Hard ☐ Soft ☐ Unknown ☐

Dump #: C 2 0 0 1 7 Date: 9 5 0 7 0 2 Time Instrument on: 0 9 4 8
Cast #: c 0 1 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ✓ Zone: 8
UTMX: 4 3 6 6 5 2 UTMY: 6 5 1 4 9 0 8 Time of Position: 0 9 5 1 2 6
Depth m: 9 8 5 ☐ Depth Ft: 2 7 6 Depth Fa: 4 9 3
Surface Temp (C): . ☐
Comments: Set #: CR 31 set 140
Bottom: Hard ☐ Soft ☐ Unknown ☐

Dump #: C 2 0 0 1 7 Date: 9 5 0 7 0 2 Time Instrument on: 1 0 2 2
Cast #: c 0 2 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ✓ Zone: 8
UTMX: 4 3 6 4 4 9 UTMY: 6 5 1 9 3 0 1 Time of Position: 1 0 2 3 1 8
Depth m: 9 6 ☐ Depth Ft: 2 8 8 Depth Fa: 4 8
Surface Temp (C): . ☐
2: dropped CTD to 80m
Comments: Set #: CR 32 set 141
Bottom: Hard ☐ Soft ☐ Unknown ☐

Dump #: C 2 0 0 1 7 Date: 9 5 0 7 0 2 Time Instrument on: 1 0 5 5
Cast #: c 0 3 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ✓ Zone: 8
UTMX: 4 3 7 4 9 0 UTMY: 6 5 2 4 3 5 0 Time of Position: 1 0 5 6 3 7
Depth m: 3 0 5 ☐ Depth Ft: 5 9 9 1 6 Depth Fa: 1 5 3
Surface Temp (C): . ☐
Comments: Set #: CR 33 set 142
Bottom: Hard ☐ Soft ☐ Unknown ☐

CTD 2 to 200m

Name: C DEZAN

CTD Samples

Glac.. ..ay National Park & Preserve, Alaska, U.S.A.

Dump # C 2 0 0 1 7 Date: 9 5 0 7 0 3 Time Instrument: 0 8 4 9
Cast #: c 0 4 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☒ Zone: 8
UTMX: 4 3 6 3 2 7 UTMY: 6 5 0 9 4 1 2 Time of Position 0 8 5 0 5 4
Depth m: 1 5 1 ☐ Depth Ft: 4 5 3 Depth Fa: 7 5 5 ☐
CTD ≈ to 130m Surface Temp (C): . ☐
Comments: Set #: CR 34 set 143
Bottom: Hard ☐ Soft ☐ Unknown ☒

Dump # C 2 0 0 1 7 Date: 9 4 0 7 0 3 Time Instrument: 1 0 2 9
Cast #: c 0 5 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☒ Zone: 8
UTMX: 4 3 2 7 7 8 UTMY: 6 5 0 3 9 4 8 Time of Position 1 0 3 0 1 4
Depth m: 3 2 6 ☐ Depth Ft: 9 7 8 Depth Fa: 1 6 3 ☐
Surface Temp (C): . ☐
Comments: Set #: CR 35 set 144
Bottom: Hard ☐ Soft ☐ Unknown ☒

Dump # C 2 0 0 1 7 Date: 9 5 0 7 0 4 Time Instrument: 0 8 5 1
Cast #: c 0 6 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☒ Zone: 8
UTMX: 4 3 6 9 7 4 UTMY: 6 4 9 8 2 2 6 Time of Position 0 8 5 2 2 9
Depth m: 2 4 7 ☐ Depth Ft: 7 4 1 Depth Fa: 1 2 4 ☐
CTD cast to ≈ 220m Surface Temp (C): . ☐
Comments: Set #: CR 36 set 145
Gravel * Bottom: Hard ☒ Soft ☐ Unknown ☐

Dump # C 2 0 0 1 7 Date: 9 5 0 7 0 4 Time Instrument: 1 0 1 8
Cast #: c 0 7 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☒ Zone: 8
UTMX: 4 3 8 0 4 2 UTMY: 6 4 9 0 7 9 8 Time of Position 1 0 2 0 4 8
Depth m: 7 5 ☐ Depth Ft: 2 2 5 Depth Fa: 3 7 . 5 ☐
CTD ≈ to 50m Surface Temp (C): . ☐
Comments: Set #: CR 37 SET 146
Gravel * Bottom: Hard ☒ Soft ☐ Unknown ☐

Dump # C 2 0 0 1 7 Date: 9 5 0 7 0 4 Time Instrument: 1 0 3 4
Cast #: c 0 8 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☒ Zone: 8
UTMX: 4 3 8 0 2 0 UTMY: 6 4 9 2 1 1 8 Time of Position 1 0 3 6 4 0
De.. ..#: 1 0 4 ☐ Depth Ft: 3 1 2 Depth Fa: 5 2 ☐
CTD ≈ to 80m Surface Temp (C): . ☐
Comments: Set #: CR 37 SET 146, beginning of set position labelled #537 on GPS
Gravel (from chart) * Bottom: Hard ☐ Soft ☐ Unknown ☐

Name: DEZAN Page: ____

CTD Samples

Glacier Bay National Park & Preserve, Alaska, U.S.A.

Dump # C 2 0 0 1 8 Date: 9 5 0 7 0 5 Time Instrument on 0 7 3 2
Cast #: c 0 0 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☒ Zone: 8
UTMX: 4 3 8 0 7 5 UTMY: 6 4 8 9 3 1 0 Time of Position 0 7 3 3 4 3
Depth m: 9 3 . 5 Depth Ft: 2 8 1 Depth Fa: 4 6 . 8
Surface Temp (C): . Bottom: Hard ☒ Soft ☐ Unknown ☐
Comments: Set #: CR38 SET 147
CTD dropped to 85m

Dump # C 2 0 0 1 8 Date: 9 5 0 7 0 5 Time Instrument on 0 9 0 4
Cast #: c 0 1 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☒ Longline ☐ Zone: 8
UTMX: 4 4 1 7 9 4 UTMY: 6 4 7 5 9 8 9 Time of Position 0 9 0 5 3 6
Depth m: 6 2 . 8 Depth Ft: 1 8 8 Depth Fa: 3 1 . 4
Surface Temp (C): 3 1 . 4
Comments: Set #: CR 39 set 148 : HIGH feedback
Dropped to 55 m. on sounder. Bottom: Hard ☒ Soft ☐ Unknown ☐

Dump # C 2 0 0 1 8 Date: 9 5 0 7 0 5 Time Instrument on 1 1 4 3
Cast #: c 0 2 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☒ Zone: 8
UTMX: 4 3 8 2 0 1 UTMY: 6 4 8 4 1 4 4 Time of Position 1 1 4 3 5 2
Depth m: 9 0 . 0 Depth Ft: 2 7 0 Depth Fa: 4 5 . 0
Surface Temp (C): .
133m drift from surface to surface
Comments: Set #: CR39 set 149 @ peak high
dropped to 80 m Bottom: Hard ☒ Soft ☐ Unknown ☐

Dump # C Date: 9 4 Time Instrument on
Cast #: c Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: UTMY: Time of Position
Depth m: Depth Ft: Depth Fa:
Surface Temp (C): .
Comments: Set #:
Bottom: Hard ☐ Soft ☐ Unknown

Dump # C Date: 9 4 Time Instrument on
Cast #: c Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: UTMY: Time of Position
Depth m: Depth Ft: Depth Fa:
Surface Temp (C): .
Comments: Set #:
Bottom: Hard ☐ Soft ☐ Unknown

8 / 10

CHRONOSEQUENCE

Name: CDEZAN — Hippoglossus stenolepis — Page: _____

CTD Samples

Glacier Bay National Park & Preserve, Alaska, U.S.A.

Dump # C 20019 Date: 950729 Time Instrument on: 2017 — "bad" cast. Took too long.
Cast #: c00 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☒ Zone: 8
UTMX: 431465 UTMY: 6505838 Time of Position: 201500
Depth m: 285 ☐ Depth Ft: ☐ Depth Fa: ☐ Surface Temp (C): ☐.☐
Comments: Set #: 118 CR 11 — GPS was "510" — Lowered to 250 — Bottom: Hard ☐ Soft ☐ Unknown ☐

Dump # C 20019 Date: 950802 Time Instrument on: 1806 — * maybe entire cast. Pump not working well. O.
Cast #: c01 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☒ Zone: 8
UTMX: 383519 UTMY: 6546689 Time of Position: 1310 — FN-1
Depth m: 260 ☐ Depth Ft: ☐ Depth Fa: ☐ Surface Temp (C): ☐.☐
Comments: Set #: 131 CR 24 — Bad Pump Lost OTF — NPT 523 — Lowered to 230 m — Bottom: Hard ☐ Soft ☐ Unknown

Dump # C 20019 Date: 950802 Time Instrument on: 1320 — Ø
Cast #: c02 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☒ Zone: 8
UTMX: 383513 UTMY: 6546588 Time of Position: 132000 — FN1
Depth m: 266 ☐ Depth Ft: ☐ Depth Fa: ☐ Surface Temp (C): ☐.☐
Comments: Set #: 131 CR2X — Wpt 523 — Lowered to 230 m — Bottom: Hard ☐ Soft ☐ Unknown

Dump # C 20019 Date: 950802 Time Instrument on: 1353 — A very ☆ indicator of narrow bed at 212 m reflection on 50 kHz about 10m wide.
Cast #: c03 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☒ Zone: 8
UTMX: 386707 UTMY: 6549816 Time of Position: 135500
Depth m: 324 ☐ Depth Ft: ☐ Depth Fa: ☐ Surface Temp (C): ☐.☐
Comments: Set #: 130 CR 23 — Lowered to 300, Soft [illegible] — Bottom: Hard ☐ Soft ☐ Unknown

Dump # C 20019 Date: 950802 Time Instrument on: 1436 — Ø
Cast #: c04 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☒ Zone: 8
UTMX: 392205 UTMY: 6536077 Time of Position: 143700
Depth m: 249.5 ☐ Depth Ft: ☐ Depth Fa: ☐ Surface Temp (C): ☐.☐
Comments: Set #: 129 Grono 22 — Lowered to [illegible] — Bottom: Hard ☐ Soft ☐ Unknown

Name: Hooge Page: _____

CTD Samples

Glacier Bay National Park & Preserve, Alaska, U.S.A.

Dump # C 20019 Date: 950802 Time Instrument on 1451
Cast #: C 05 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 391077 UTMY: 6534412 Time of Position
Depth m: 369 Depth Ft: Depth Fa:
Surface Temp (C):
Comments: Set #: 128 Chrono 21
Bottom: Hard ☐ Soft ☐ Unknown ☐

Dump # C 20019 Date: 950802 Time Instrument on 1538
Cast #: C 06 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☑ Zone: 8
UTMX: 394616 UTMY: 6528223 Time of Position
Depth m: 157 Depth Ft: Depth Fa:
Surface Temp (C):
Comments: Set #: 127 Chrono 20
Dropped to 140 m
Bottom: Hard ☐ Soft ☒ Unknown

51 ☆ Between 70, 90 meters strong refl. extend - 50 kHz ∅

Dump # C 20019 Date: 950802 Time Instrument on 1555
Cast #: C 07 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☑ Zone: 8
UTMX: 395890 UTMY: 6529706 Time of Position 155500
Depth m: 132 Depth Ft: Depth Fa:
Surface Temp (C):
Comments: Set #: 126 Chrono 19
Dropped 100 m
Bottom: Hard ☐ Soft ☒ Unknown

Dump # C 20019 Date: 950802 Time Instrument on 1616
Cast #: C 08 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☑ Zone: 8
UTMX: 398453 UTMY: ~~3984~~ 6531932 Time of Position 161800
Depth m: 490 Depth Ft: Depth Fa:
Surface Temp (C):
Comments: Set #: 125 Chrono 18
Dropped 45 m
Bottom: Hard ☐ Soft ☒ Unknown

Dump # C 20019 Date: 950802 Time Instrument on 1647
Cast #: C 09 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☑ Zone: 8
UTMX: 402636 UTMY: ~~5~~ 6529580 Time of Position 164800
Depth m: 235 Depth Ft: Depth Fa:
Surface Temp (C):
Comments: Set #: 124 Chrono 17
Dropped to 200 m
Bottom: Hard ☐ Soft ☒ Unknown

☆ Band at 30-45 m on 50 kHz 58053.93
☆ Check this position it does not seem to be right 1360 X 1.83

Name: Hense

Page: ____

CTD Samples

Glacier Bay National Park & Preserve, Alaska, U.S.A.

Dump # C 20019 Date: 950802 Time Instrument on 1730
Cast #: C 10 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☑ Zone: 8
UTMX: 408928 UTMY: 6525518 Time of Position 173100
Form 1
Depth m: 426 Depth Ft: Depth Fa:
Surface Temp (C):
Comments: Set #: 123 Chrono 16
Dropped to ~~300~~ 300
Bottom: Hard ☐ Soft ☐ Unknown ☒

Dump # C 20019 Date: 950802 Time Instrument on 1811
Cast #: C 11 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 414789 UTMY: 6520668 Time of Position ~~161109~~
Form 1
Depth m: 436 Depth Ft: Depth Fa:
Surface Temp (C):
Comments: Set #: 122 Chrono 15
Dropped to 350 each
Bottom: Hard ☐ Soft ☒ Unknown

Dump # C 20019 Date: 950802 Time Instrument on 1852
Cast #: C 12 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☑ Zone: 8
UTMX: 418034 UTMY: 6514300 Time of Position
Depth m: 42 Depth Ft: Depth Fa:
Surface Temp (C):
Comments: Set #: 121 Chrono 14
Dropped 35 m
Bottom: Hard ☐ Soft ☒ Unknown

Dump # C 20019 Date: 950802 Time Instrument on 1918
Cast #: C 13 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 422089 UTMY: 6512022 Time of Position 192000
Depth m: 148 Depth Ft: Depth Fa:
Surface Temp (C):
Comments: Set #: 120 Chrono 13
Dropped to 125 m
Bottom: Hard ☐ Soft ☒ Unknown

Dump # C 20019 Date: 950802 Time Instrument on 1948
Cast #: C 14 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 427541 UTMY: 6510888 Time of Position 194950
Depth m: 407 Depth Ft: Depth Fa:
Surface Temp (C):
Comments: Set #: 119 Chrono 12
Dropped to 300
Bottom: Hard ☐ Soft ☒ Unknown

K
e
0
9

Pump off did again

Name: Hoogs Page: _____

CTD Samples

Glacier Bay National Park & Preserve, Alaska, U.S.A.

probably not exact

Dump # C 20019 Date: 950802 Time Instrument on 2002
Cast #: C15 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☑ Zone: 8
UTMX: 427769 UTMY: 6510880 Time of Position
FON 1
Depth m: 407 Depth Ft: Depth Fa:
Surface Temp (C):
Comments: Set #: 119 Chrono 1 or
Dropped to 300 m
Bottom: Hard ☐ Soft ☐ Unknown ☒

Dump # C 20019 Date: 950802 Time Instrument on 2037
Cast #: C16 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☑ Zone: 8
UTMX: 431402 UTMY: 6505784 Time of Position 203850
FON = 1
Depth m: 298 Depth Ft: Depth Fa:
Surface Temp (C):
Comments: Set #: 118 Chrono 11
Dropped to 250
Bottom: Hard ☐ Soft ☒ Unknown

Dump # C 20020 Date: 950803 Time Instrument on 1150
Cast #: C00 Other Sampling:
PLGR+:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☒ Zone: 8
UTMX: 441159 UTMY: 6475715 Time of Position 115419
Depth m: ~~8~~ 61.3 Depth Ft: Depth Fa:
Surface Temp (C):
Comments: Set #: 112 CR 5
DROPPED TO 35M
Bottom: Hard ☐ Soft ☒ Unknown

Dump # C 20020 Date: 950803 Time Instrument on 1222
Cast #: C01 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☒ Zone: 8
UTMX: 445556 UTMY: 6472772 Time of Position 122625
Depth m: 67 0 Depth Ft: Depth Fa:
Surface Temp (C):
Comments: Set #: 109 CR 2
Dropped to 65 m.
Bottom: Hard ☐ Soft ☒ Unknown

Dump # C 20020 Date: 950803 Time Instrument on 1337
Cast #: C02 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☒ Zone: 8
UTMX: 454005 UTMY: 6463233 Time of Position 133924
Depth m: 112 0 Depth Ft: Depth Fa:
Surface Temp (C):
Comments: Set #: ~~110 CR 3~~ 111 Chrono 4
Dropped to 100 m
Bottom: Hard ☐ Soft ☒ Unknown

Name: C DEZAN

Page: _____

CTD Samples

Glacier Bay National Park & Preserve, Alaska, U.S.A.

Dump # C 2 0 0 2 0 Date: 9 5 0 8 0 3 Time Instrument on: 1 4 0 3

Cast #: c 0 3 Other Sampling:

Sonic ☐ Bottom ☐ Trawl ☐ Longline ☒ Zone: 8

UTMX: 4 9 9 8 2 0 UTMY: 6 4 6 5 3 1 5 Time of Position: 1 4 0 4 3 0

Depth m: 7 2 . 3 Depth Ft: Depth Fa: Surface Temp (C): .

Comments: Set #: 110 CR 03
Dropped to 68m.

Bottom: Hard ☐ Soft ☐ Unknown ☒

Dump # C 2 0 0 2 0 Date: 9 5 0 8 0 3 Time Instrument on: 1 4 3 5

Cast #: c 0 4 Other Sampling:

Sonic ☐ Bottom ☐ Trawl ☐ Longline ☒ Zone: 8

UTMX: 4 9 4 3 6 3 UTMY: 6 4 6 7 0 2 1 Time of Position: 1 4 3 7 0 5

Depth m: 7 6 . 1 Depth Ft: Depth Fa: Surface Temp (C): .

Comments: Set #: 108 CHRONO 01
Dropped to 70m.

Bottom: Hard ☐ Soft ☒ Unknown ☐

Dump # C Date: 9 4 Time Instrument on:

Cast #: c Other Sampling:

Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8

UTMX: UTMY: Time of Position:

Depth m: Depth Ft: Depth Fa: Surface Temp (C): .

Comments: Set #:

Bottom: Hard ☐ Soft ☐ Unknown

Dump # C Date: 9 4 Time Instrument on:

Cast #: c Other Sampling:

Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8

UTMX: UTMY: Time of Position:

Depth m: Depth Ft: Depth Fa: Surface Temp (C): .

Comments: Set #:

Bottom: Hard ☐ Soft ☐ Unknown

Dump # C Date: 9 4 Time Instrument on:

Cast #: c Other Sampling:

Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8

UTMX: UTMY: Time of Position:

Depth m: Depth Ft: Depth Fa: Surface Temp (C): .

Comments: Set #:

Bottom: Hard ☐ Soft ☐ Unknown

Name: _____ Page: _____

CTD Samples

Glacier Bay National Park & Preserve, Alaska, U.S.A.

Dump # C Date: 9 5 Time Instrument on
Cast #: C Other Sampling:
Sonic Bottom Trawl Longline Zone: 8
UTMX: UTMY: Time of Position
Depth m: Depth Ft : Depth Fa: Surface Temp (C): .
Comments: Set #:
Bottom: Hard Soft Unknown

Dump # C Date: 9 4 Time Instrument on
Cast #: C Other Sampling:
Sonic Bottom Trawl Longline Zone: 8
UTMX: UTMY: Time of Position
Depth m: Depth Ft : Depth Fa: Surface Temp (C): .
Comments: Set #:
Bottom: Hard Soft Unknown

Dump # C Date: 9 4 Time Instrument on
Cast #: C Other Sampling:
Sonic Bottom Trawl Longline Zone: 8
UTMX: UTMY: Time of Position
Depth m: Depth Ft : Depth Fa: Surface Temp (C): .
Comments: Set #:
Bottom: Hard Soft Unknown

Dump # C Date: 9 4 Time Instrument on
Cast #: C Other Sampling:
Sonic Bottom Trawl Longline Zone: 8
UTMX: UTMY: Time of Position
Depth m: Depth Ft : Depth Fa: Surface Temp (C): .
Comments: Set #:
Bottom: Hard Soft Unknown

Dump # C Date: 9 4 Time Instrument on
Cast #: C Other Sampling:
Sonic Bottom Trawl Longline Zone: 8
UTMX: UTMY: Time of Position
Depth m: Depth Ft : Depth Fa: Surface Temp (C): .
Comments: Set #:
Bottom: Hard Soft Unknown

1995

Name: CDEZAN

Benthic Chronosequence
CTD Samples

Page: 1

Glacier Bay National Park & Preserve, Alaska, U.S.A.

Times are slightly off. 1 hr off from CTD's time.

Dump # C 1 0 1 1 5 Date: 0 8 2 6 9 5 Time Instrument on: 1 8 4 4

Cast #: c 0 02 Other Sampling: DIVE

Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8

UTMX: 3 8 2 4 3 8 UTMY: 6 5 4 5 3 8 7 Time of Position: 1 8 4 5 4 0

PLGR+ used FOM 9 for this fix.

Depth Mt: 1 1 0 . 0 Depth Ft: ☐☐☐ Depth Fa: ☐☐☐.☐

Surface Temp (C): 5 1 . 0

Comments: Dropped to 10m STURGEON 15; Surface temp by dive computer

Bottom: Hard ☐ Soft ☒ Unknown ☐

Dump # C 1 0 0 1 5 Date: 0 8 2 7 9 5 Time Instrument on: 1 0 5 6

Cast #: c 0 3 Other Sampling: DIVE

Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8

UTMX: 4 4 3 0 2 4 UTMY: 6 5 0 9 0 9 6 Time of Position: 1 0 5 6 0 0

Depth Mt: 1 2 . 9 Depth Ft: ☐☐☐ Depth Fa: ☐☐☐.☐

Surface Temp (C): 5 1 . 0

Comments: dropped to 12m N SPANDY COVE

Bottom: Hard ☐ Soft ☒ Unknown ☐

Dump # C 1 0 1 1 5 Date: 0 8 2 7 9 5 Time Instrument on: 1 3 0 1

Cast #: c 0 4 Other Sampling: DIVE

Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8

UTMX: 4 3 2 5 9 0 UTMY: 6 5 1 3 7 6 7 Time of Position: 1 3 6 1 8 0

Depth Mt: ☐☐☐.☐ Depth Ft: 1 2 4 Depth Fa: ☐☐☐.☐

Surface Temp (C): 5 1 . 0

Comments: Sabree SW side Dropped to 24 feet

Bottom: Hard ☐ Soft ☒ Unknown ☐

Dump # 1 0 1 1 5 Date: 0 8 2 7 9 5 Time Instrument on: 1 4 5 2

Cast #: c 0 5 Other Sampling: DIVE

Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8

UTMX: 4 3 4 1 0 5 9 UTMY: 6 5 1 7 4 2 1 7 Time of Position: 1 4 1 8 1 0

Depth Mt: ☐☐☐.☐ Depth Ft: 4 4 6 Depth Fa: ☐☐☐.☐

Surface Temp (C): 5 1 . 0

Comments: GARFORTH NE end. DROPPED TO 44 ft.

Cobbly - 1/2 - 1" stones

Bottom: Hard ☐ Soft ☐ Unknown

UTM entered

Dump # 1 0 1 1 5 Date: 0 8 2 7 9 5 Time Instrument on: 1 6 3 4

Cast #: c 0 6 Other Sampling: DIVE

Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8

UTMX: 4 3 6 1 4 5 UTMY: 6 5 2 1 4 1 7 1 1 Time of Position: 1 6 3 6 1 5

Depth Mt: ☐☐☐.☐ Depth Ft: 1 3 7 Depth Fa: ☐☐☐.☐

Surface Temp (C): 4 9 . 0

Comments: WEST of Adams Dropped to 37 FT

Bottom: Hard ☐ Soft ☐ Unknown

large grain sand Taper

1995

Name: C DEZAN

Page: ____

CTD Samples

Glacier Bay National Park & Preserve, Alaska, U.S.A.

Dump # 10015 Date: 082795 Time Instrument on 1757
Cast #: C07 Other Sampling: DIVE
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 434961 UTMY: 6530544 Time of Position 175738
Depth Mt: ___ Depth Ft: 60 Depth Fa: ___
Surface Temp (C): 49
Comments: Dropped to 60-ft HUNTER COVE
"cobble" + sand/silt
Bottom: Hard ☐ Soft ☐ Unknown ☐

Dump # 10015 Date: 082895 Time Instrument on 1052
Cast #: C08 Other Sampling: DIVE
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 421504 UTMY: 6550988 Time of Position 105105
Depth Mt: ___ Depth Ft: 54 Depth Fa: ___
Surface Temp (C): 47
Comments: MUIR Glacier 50m off beach DROPPED TO ~50 ft.
"felt" gravelly - No vis.
Bottom: Hard ☐ Soft ☐ Unknown ☐

Dump # 10015 Date: 082895 Time Instrument on 1433
Cast #: C09 Other Sampling: DIVE
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 433033 UTMY: 6546383 Time of Position 143301
Depth Mt: ___ Depth Ft: 24 Depth Fa: ___
Surface Temp (C): 47.0
Comments: Cove W of Mc Connel Ridge Dropped to 24 ft
FINE SILT
Bottom: Hard ☐ Soft ☒ Unknown

Dump # 10015 Date: 082895 Time Instrument on
Cast #: C Other Sampling: DIVE
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone:
UTMX: UTMY: Time of Position 155000
Depth Mt: ___ Depth Ft: ___ Depth Fa: ___
Surface Temp (C):
Comments: Dropped Wolf Point
Bottom: Hard ☐ Soft ☐ Unknown

Dump # 10015 Date: 082895 Time Instrument on 1550
Cast #: C10 Other Sampling: DIVE
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 433540 UTMY: 6540253 Time of Position 1550
Depth Mt: 15.2 Depth Ft: ___ Depth Fa: ___
Surface Temp (C): 50
Comments: Ctd off Dropped Wolf point
sand w/diatom layer some rocks
Bottom: Hard ☐ Soft ☒ Unknown

Abundant dead salmon Wolf Pt/Anchorage/River

1 =

2 =

3 =

1995

Name: C DEZAN

Page: ____

CTD Samples

Glacier Bay National Park & Preserve, Alaska, U.S.A.

Dump # 10015 Date: 08/21/95 Time Instrument on 1457

Cast #: C 010 Other Sampling: DIVE

Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8

UTMX: 431740 UTMY: 6492611 Time of Position 145944

Depth Mt: ____.☐ Depth Ft: 26 Depth Fa: ____.☐

Surface Temp (C): 5.2

Comments: dropped to 26 ft. @ SE end of So. Fingers

SAND, VERY ROCKY

Bottom: Hard ☐ Soft ☐ Unknown ☐

Dump # 10016 Date: 08/30/95 Time Instrument on 1530

Cast #: C 012 Other Sampling: DIVE

Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8

UTMX: 443394 UTMY: 6483075 Time of Position 181910

Depth Mt: ____.☐ Depth Ft: 30 Depth Fa: ____.☐

Surface Temp (C): 4.9

Comments: dropped to 30 ft

N of Young Is, Beardslee Entrance

SH

Bottom: Hard ☐ Soft ☐ Unknown ☒

Dump # ____ Date: ____ Time Instrument on ____

Cast #: C ____ Other Sampling:

Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: ____

UTMX: ____ UTMY: ____ Time of Position ____

Depth Mt: ____.☐ Depth Ft: ____ Depth Fa: ____.☐

Surface Temp (C): ____.☐

Comments:

Bottom: Hard ☐ Soft ☐ Unknown ☐

Dump # ____ Date: ____ Time Instrument on ____

Cast #: C ____ Other Sampling:

Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: ____

UTMX: ____ UTMY: ____ Time of Position ____

Depth Mt: ____.☐ Depth Ft: ____ Depth Fa: ____.☐

Surface Temp (C): ____.☐

Comments:

Bottom: Hard ☐ Soft ☐ Unknown ☐

Dump # ____ Date: ____ Time Instrument on ____

Cast #: C ____ Other Sampling:

Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: ____

UTMX: ____ UTMY: ____ Time of Position ____

Depth Mt: ____.☐ Depth Ft: ____ Depth Fa: ____.☐

Surface Temp (C): ____.☐

Comments:

Bottom: Hard ☐ Soft ☐ Unknown ☐

1995

Name: C DEZAN

Page: 1

FJORD OCEANOGRAPHY OF GLACIER BAY

CTD Samples

Glacier Bay National Park & Preserve, Alaska, U.S.A.

Dump # 20021 Date: 102095 Time Instrument on 0848
Cast #: c00 Other Sampling: oceanographic stns
FOM9 Sonic Bottom Trawl Longline Zone: 8
UTMX: ~~413337~~ UTMY: ~~6517592~~ Time of Position 084921
NAD 27 Trimble GPS FIX: 408226 6525933
Hi height: 471cm Lo height: 78cm
Depth Mt: 423.7 Depth Ft: 1390 (1390) Depth Fa:
PLGR+ ~~08V~~ #1 Surface Temp (C): time since/to H: -175 L: +197
Comments: dropped to 250m #(over)
So. of Rendu Inlet Station #8 (GPS #408) Bottom: Hard Soft Unknown

Dump # 20021 Date: 102095 Time Instrument on 0941
Cast #: c01 Other Sampling: oceanographic STN
FOM1 Sonic Bottom Trawl Longline Zone: 8
UTMX: 400042 UTMY: 6529880 Time of Position 094315
Hi height: 471cm Lo height: 78cm
Depth Mt: 378. Depth Ft: 1240 Depth Fa:
PLGR+ #2 Surface Temp (C): time since/to: H: -121 L: +251
Comments: dropped to 240M
E of S Russel Island STN #9 (GPS #409) Bottom: Hard Soft Unknown

Dump # 20021 Date: 102095 Time Instrument on 1048
Cast #: c02 Other Sampling: OCEANOGRAPHIC STN
FOM1 Sonic Bottom Trawl Longline Zone: 8
UTMX: 390041 UTMY: 6538255 Time of Position 104920
Hi height: 471cm Lo height: 78cm
Depth Mt: 341.4 Depth Ft: 1120 Depth Fa:
PLGR+ #3 TARR INLET Surface Temp time since/to: H: -55 L: +371
Comments: dropped to 250M
~~S of Russell Island~~ STN #11 (GPS #411) Bottom: Hard Soft Unknown

Dump # 20021 Date: 102095 Time Instrument on 11389
Cast #: c03 Other Sampling: OCEANOGRAPHIC STN
FOM1 Sonic Bottom Trawl Longline Zone: 8
UTMX: 394107 UTMY: 6530201 Time of Position 114030
Hi height: 471cm Lo height: 78cm
Depth Mt: 382.8 Depth Ft: 1256 Depth Fa:
PLGR+: #4 Surface Temp (C) time since/to H: -4 L: +368
Comments: dropped to 276M GPS #410
S of RUSSELL ISLAND STN #10 Bottom: Hard Soft Unknown

Dump # 20021 Date: 102095 Time Instrument on 1625
Cast #: c04 Other Sampling: Oceanographic STN
FOM1 Sonic Bottom Trawl Longline Zone: 8
UTMX: 415055 UTMY: 6519749 Time of Position 162704
Hi height: 471cm Lo height: 81cm
Depth Mt: 430.4 Depth Ft: 1412 Depth Fa:
PLGR+: #5 Surface Temp time since/to: H: +283 L: -96
Comments: dropped to 285m STN #7
N of Blue Mouse, West of Tidal GPS #407 Bottom: Hard Soft Unknown

cast #00: FOM9 & UTM's from Trimble
- PLGR WPT #1 is no good.
- Prop backwash was brown.

1995

Name: KHychka

Page: 2

Fjord Oceanography of Glacier Bay
CTD Samples

Glacier Bay National Park & Preserve, Alaska, U.S.A.

Oct. '95 oceanog.

Nov. '95 oceanog

Dump # 20021 Date: 102195 Time Instrument On 0743

Cast #: c05 Other Sampling: Oceanographic stns

Fom1

Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8

UTMX: 421885 UTMY: 6513884 Time of Position 074420

Hi height: 471cm Lo height: 78cm

Depth Mt: 257.6 Depth Ft: 845 Depth Fa: ☐☐☐.☐

PLGR+: #6

Surface Temp (C): ☐☐.☐ time since/to: H: -240 L: +132

Comments: dropped to 230m STN#6 GPS#406

E of Hugh Miller Inlet

Bottom: Hard ☐ Soft ☐ Unknown ☒

Dump # 20022 Date: 100695 Time Instrument On 1227

Cast #: c00 Other Sampling: Oceanographic

Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8

UTMX: 439059 UTMY: 6483062 Time of Position 122951

hi height: 513cm lo height: -50cm

Depth Mt: 45 Depth Ft: ☐☐☐ Depth Fa: ☐☐☐.☐

PLGR+ 45 time since/to hi: +5 lo: -375 Surface Temp (C): ☐☐.☐

Comments: dropped to: 80M GPS 402 STATION#2

Sitakaday

Bottom: Hard ☐ Soft ☐ Unknown ☒

Dump # 20022 Date: 110695 Time Instrumen On 1320

Cast #: c01 Other Sampling: oceanographic

hi height: 513cm lo height: -50cm

Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8

UTMX: 442085 UTMY: 6474751 Time of Position 132135

60.0 time since/to hi: +58 lo: -322

Depth Mt: 50.6 Depth Ft: ☐☐☐ Depth Fa: ☐☐☐.☐

PLGR+ 46 GPS: 401 Surface Temp (C): ☐☐.☐

Comments: dropped to: 50m STATION#1

Mouth Glacier bay GPS #[illegible]

Bottom: Hard ☐ Soft ☐ Unknown ☒

Dump # 20022 Date: 110695 Time Instrumen On 1434

Cast #: c02 Other Sampling: oceanographic

hi height: 420cm lo height: -17cm

Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8

UTMX: 448780 UTMY: 6465395 Time of Position 143628

time since/to hi: +163 lo: -238

Depth Mt: 54.6 Depth Ft: ☐☐☐ Depth Fa: ☐☐☐.☐

47

Surface Temp (C): ☐☐.☐

Comments: Dropped to: 40m GPS 400

Jay Straits Station #0

Bottom: Hard ☐ Soft ☐ Unknown ☒

Dump # 20022 Date: 111095 Time Instrumen On 1350

Cast #: c03 Other Sampling: oceanographic

hi height: 544cm lo height: -33cm

Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8

UTMX: 438323 UTMY: 6492321 Time of Position 135214

time since/to hi: +157 lo: -247

Depth Mt: 110.0 Depth Ft: ☐☐☐ Depth Fa: ☐☐☐.☐

PLGR+ 48

Surface Temp (C): ☐☐.☐

Comments: Dropped to: 90M station: 3

SE of Willoughby Island GPS: 403

Bottom: Hard ☐ Soft ☐ Unknown ☒

FOM of 3

* Dom of 3

1995

Name: K HYCHKA

Page: 3

CTD Samples

Glacier Bay National Park & Preserve, Alaska, U.S.A.

Dump # 20022 Date: 112095 Time Instrument on 1451
Cast #: C04 Other Sampling: oceanographic
hi height: 544cm lo height: -32cm Sonic Bottom Trawl Longline Zone: 8
UTMX: 435477 UTMY: 6501484 Time of Position 145424
time since/to hi: +218 lo: -186
Depth Mt: 293.0 Depth Ft: Depth Fa:
PLGR 71
Surface Temp (C):
Comments: Dropped to: 250m STN: 4 Fom 4
N of Drake Island N. of marble GPS: 404
Bottom: Hard Soft Unknown X

Dump # 20022 Date: 112095 Time Instrument on 1550
Cast #: C05 Other Sampling: oceanographic
hi height: 544cm lo height: -32cm Sonic Bottom Trawl Longline Zone: 8
UTMX: 428681 UTMY: 6507410 Time of Position 155255
time since/to hi: +267 lo: -137
Depth Mt: 356.0 Depth Ft: Depth Fa:
PLGR# 72 Fom 4
Surface Temp (C):
Comments: Dropped to: 300m STN: 5 see back
Between N. Drake + SW Tlingit Pt. GPS: 405
Bottom: Hard Soft Unknown X

Dump # 20022 Date: 112195 Time Instrument on 1112
Cast #: C06 Other Sampling: oceanographic
hi height: 593cm lo height: 60cm Sonic Bottom Trawl Longline Zone: 8
UTMX: ~~438323~~ 423468 UTMY: ~~6492321~~ 6548633 Time of Position 111433
Depth Mt: 238.0 Depth Ft: Depth Fa:
PLGR + 48 time since/to hi: -48 lo: +307
Surface Temp (C):
Comments: Dropped to: 200m STN: 19 Fom 8
Muir Inlet, 2" ice cover GPS: 419
Bottom: Hard Soft Unknown X

Location is @ Stn #03 put drop @ Stn #19 coordinates EARH 11/2000

Dump # 20022 Date: 112195 Time Instrument on 1256
Cast #: C07 Other Sampling: oceanographic
hi height: 593cm lo height: -77cm Sonic Bottom Trawl Longline Zone: 8
UTMX: 530672 UTMY: 8455968 Time of Position 125725
time since/to hi: +56 lo: -347
Depth Mt: 217.0 Depth Ft: Depth Fa:
PLGR 50
Surface Temp (C):
Comments: Dropped to: 210m STN: 18 Fom 8
S of Riggs NW of McBride GPS: 418
Bottom: Hard Soft Unknown X

Dump # 20022 Date: 112195 Time Instrument on 1433
Cast #: C08 Other Sampling: oceanographic
hi height: 593cm lo height: -77cm Sonic Bottom Trawl Longline Zone: 8
UTMX: 434759 UTMY: 6537720 Time of Position 143521
time since/to hi: +153 lo: -250
Depth Mt: 180.0 Depth Ft: Depth Fa:
~~PLGR 51~~
Surface Temp (C):
Comments: Dropped to: 170 STN: 17
E of Westdahl Pt. GPS: 417
Bottom: Hard Soft Unknown X

* Position taken from Trimble

STN #5: Getting dark

1995

Name: KHYCHKA

C DEZAN 3/6/96

Page: 4

CTD Samples

Glacier Bay National Park & Preserve, Alaska, U.S.A.

Dump # 20022 Date: 112195 Time Instrument on 1524

Cast #: C09 Other Sampling: oceanographic

hiheight: 593 loheight: -77cm BAD CAST

Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8

UTMX: 437174 UTMY: 6528713 Time of Position 152649

time since/to hi: +204 lo: -199

Depth Mt: 312.0 Depth Ft: Depth Fa:

* position taken from Trimble

Surface Temp (C):

Comments: Dropped to: bottom STN: 16 oceanographic

E of Hunter Cove GPS: 416

Bottom: Hard ☐ Soft ☐ Unknown X

1995

1996

Dump # 20022 Date: 030696 Time Instrument on 1134

Cast #: C10 Other Sampling: OCEAN.

Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8

UTMX: 448571 UTMY: 6465135 Time of Position 113460

hi height: 385cm loheight: 31cm

Depth Mt: 58 Depth Ft: Depth Fa:

NA27 Alaska datum ok! time since/to hi: -114 lo: +239 FOM 2

Surface Temp (C): —

Comments: PLGR in "ALASKA" datum

WPT 4(00) ICY STRAITS dropped to 50 m

Bottom: Hard ☐ Soft ☐ Unknown X

Dump # 20022 Date: 030696 Time Instrument on 1227

Cast #: C11 Other Sampling: OCEAN

Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8

UTMX: 441912 UTMY: 6475103 Time of Position 122800

hiheight: 469cm loheight: -7cm time since/to hi: -90 lo: +278

Depth Mt: 64.2 Depth Ft: Depth Fa:

* 35-40° wire angle on way down (fast current)

Surface Temp (C): —

Comments: dropped to: ? smart block batt. died. FOM 1

WPT 4(01) Mouth Glacier Bay approx 55 m.

Bottom: Hard ☐ Soft ☐ Unknown X

Dump # 20022 Date: 030696 Time Instrument on 1313

Cast #: C12 Other Sampling: OCEAN

Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8

UTMX: 438859 UTMY: 6483476 Time of Position 131400

hiheight: 469 cm loheight: -7cm

Depth Mt: 91.7 Depth Ft: Depth Fa:

time since/to hi: -44 lo: +324

Surface Temp (C):

Comments: dropped to: 80m FOM 1

WPT 4(02) Sitakaday

Bottom: Hard ☐ Soft ☐ Unknown

Dump # 20022 Date: 030696 Time Instrument on 1347

Cast #: C13 Other Sampling: OCEAN

Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8

UTMX: 438688 UTMY: 6492805 Time of Position 134900

hiheight: 511 cm loheight: -4 cm

Depth Mt: 101 Depth Ft: Depth Fa:

time since/to hi: -23 lo: +334

Surface Temp (C):

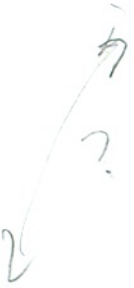
Comments: dropped to: 85 m.

WPT 4(03) SE of Willoughby Is.

Bottom: Hard ☐ Soft ☐ Unknown X

251

55fa → 80m
taped like on smart block



50fa
on tape

90m
on block