VRS 2/14 ✓

1994 Name: Koschmann, Englund, Bishop Page: _____

CTD Samples

~~[illegible]~~ ?

time 2 hrs. off - RS
instrumeads 11:09

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

Dump # C 200 ~~09~~ Date: 940106 Time Instrument on 1439 51
Cast #: c 00 10 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 448619 UTMY: 6465138 Time of Position 094144
hi height: 404 cm lo height: 40
Depth Mt: 50.7 Depth Ft: Depth Fa:
time since/to hi: +141 lo: -286
Surface Temp (C): 4.1
Comments: Day Strait, Mtn GLBA 45 m sb
Station 0
Bottom: Hard ☐ Soft ☐ Unknown ☐

Dump # C 200 ~~09~~ Date: 940106 Time Instrument on 1034 42
Cast #: c 01 10 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 441902 UTMY: 6474602 Time of Position 103653
hi height: +449 lo height: 52
Depth Mt: 62.9 Depth Ft: Depth Fa:
time since/to hi: +177 lo: -236
Surface Temp (C): 4.2
Comments: Mtn GLBA
Station #1
Bottom: Hard ☐ Soft ☐ Unknown

Dump # C 200 ~~09~~ Date: 940106 Time Instrument on 1145 17
Cast #: c 02 10 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 438736 UTMY: 6483273 Time of Position 114736
90.4 hi height: 449 lo height: 52 cm
Depth Mt: ~~29.4~~ Depth Ft: Depth Fa:
time since/to hi: +248 lo: -165
Surface Temp (C): 4.0
Comments: Sitakaday
Station #2
Bottom: Hard ☐ Soft ☐ Unknown

Dump # C 200 ~~09~~ Date: 940106 Time Instrument on ~~114736~~ 124257
Cast #: c 03 10 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 438171 UTMY: 6492475 Time of Position 124504
hi height: ~~[illegible]~~ lo height: ~~[illegible]~~
hi: 492 cm
lo: 55 cm
Depth Mt: 107.0 Depth Ft: Depth Fa:
time since/to hi: +295 lo: -129
Surface Temp (C): 3.6
Comments: S.E. Willoughby I 90 m sb
Station #3
Bottom: Hard ☐ Soft ☐ Unknown

Dump # C 200 ~~09~~ Date: 940106 Time Instrument on 1351 43
Cast #: c 04 10 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 435396 UTMY: 6501305 Time of Position 135354
hi height: 492 cm lo height: 55
Depth Mt: 294.0 Depth Ft: Depth Fa:
time since/to hi: +361 lo: -63
Surface Temp (C): 4.0
Comments: S. Drake N. Marble I ~~90 m sb~~
Station #4
Bottom: Hard ☐ Soft ☐ Unknown

significant wire angle ~30° drifted 0.5 km
banged instrument and knocked off irradiance meter
re-attached

VRS 2/14 ✓

1994

Name: Englund, Bishop Koschmann

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CTD Samples

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

Dump # C 200~~09~~ Date: 940106 Time Instrument on 145102
Cast #: c 05 10 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 428502 UTMY: 6507551 Time of Position 145238
hi height: 492cm lo height: 55cm
Depth Mt: 365.0 Depth Ft: Depth Fa:
time since/to hi: +421 lo: -3
Surface Temp (C): 4.0
Comments: N. Drake SW Hingit Pt Station #5
Drove no drift 3' seas
Bottom: Hard ☐ Soft ☐ Unknown ☐

Dump # C 200~~09~~ Date: 940106 Time Instrument on
Cast #: c 06 10 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone:
UTMX: UTMY: Time of Position
Depth Mt: Depth Ft: Depth Fa:
Surface Temp (C):
Comments: E. High Mills Station #6
Bottom: Hard ☐ Soft ☐ Unknown

Dump # C 200~~09~~ Date: 9401 Time Instrument on
Cast #: c 07 10 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone:
UTMX: UTMY: Time of Position
Depth Mt: Depth Ft: Depth Fa:
Surface Temp (C):
Comments: N. Blue Mouse Station #7
Bottom: Hard ☐ Soft ☐ Unknown

Dump # C 20009 Date: 9401 Time Instrument on
Cast #: c 08 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 # C 20009 Date: 9401 Time Instrument on
Cast #: c 09 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

1994 Name: ~~Hooge, Kachman~~ Koschmen, Bishop, Elder Page: _____

CTD Samples

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

Instrument malfunction data lost

Dump #: C 2 0 1 1 1 Date: 9 4 0 3 2 2 Time Instrument on: 0 9 1 1 0 2
Cast #: c 0 0 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 4 4 8 5 5 5 UTMY: 6 4 6 4 8 3 0 Time of Position: 0 9 1 2 5 4
Depth Mt: 5 2 . 6 Depth Ft: Depth Fa: .
Surface Temp (C): 1 3 . 2
Comments: Station # 0 Mouth Glacier Bay Ice Starts 50 m smart block
Bottom: Hard ☐ Soft ☐ Unknown ☒

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

Dump #: C 2 0 1 1 1 Date: 9 4 0 3 2 2 Time Instrument on: 1 0 5 3 5 6
Cast #: c 0 2 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 4 3 8 5 9 2 UTMY: 6 4 8 3 5 0 3 Time of Position: 1 0 5 5 3 3
Depth Mt: ~~6 4 . 6~~ 95.3 Depth Ft: Depth Fa: .
Surface Temp (C): 2 . 7
Comments: Station # 2 S. Drake
Bottom: Hard ☐ Soft ☐ Unknown

Dump #: C 2 0 1 1 1 Date: 9 4 0 3 2 2 Time Instrument on: 1 1 4 1 3 2
Cast #: c 0 3 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 4 3 8 0 4 8 UTMY: 6 4 9 2 5 4 1 Time of Position: 1 1 4 4 0 1
Depth Mt: 1 1 2 . 0 Depth Ft: Depth Fa: .
Surface Temp (C): 2 . 5
Comments: Station # 3 S. Willoughby
Bottom: Hard ☐ Soft ☐ Unknown

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

1994 Name: BISHOP, KOSCHMANN, ELDER Page: ____

CTD Samples

Instrument malfunction date lost

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

Dump # C 2001 1 Date: 940322 Time Instrument on 132640
Cast #: C 05 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 428695 UTMY: 6507530 Time of Position 132948
Depth Mt: 354.0 Depth Ft: ___ Depth Fa: ___ .
Surface Temp (C): 12.5
Comments: Station #5 SW Tlingit Pt
Bottom: Hard ☐ Soft ☐ Unknown ☐

Dump # C 2001 1 Date: 940322 Time Instrument on 142117
Cast #: C 06 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 421812 UTMY: 6513854 Time of Position 142409
Depth Mt: 280.0 Depth Ft: ___ Depth Fa: ___ .
Surface Temp (C): 12.6
Comments: Station #6 Hugh Miller
Bottom: Hard ☐ Soft ☐ Unknown

Dump # C 2001 1 Date: 940322 Time Instrument on 151431
Cast #: C 07 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 414895 UTMY: 6519787 Time of Position 151737
Depth Mt: 432.0 Depth Ft: ___ Depth Fa: ___ .
Surface Temp (C): 13.0
Comments: Station #7 Blue Mouse
Bottom: Hard ☐ Soft ☐ Unknown

Dump # C 2001 1 Date: 940322 Time Instrument on 161445
Cast #: C 08 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 408118 UTMY: 6525843 Time of Position 161626
Depth Mt: 425.0 Depth Ft: ___ Depth Fa: ___ .
Surface Temp (C): 13.0
Comments: Station #8 Rendu
Bottom: Hard ☐ Soft ☐ Unknown

Dump # C 2001 1 Date: 940322 Time Instrument on 170647
Cast #: C 09 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 399894 UTMY: 6529853 Time of Position 170905
Depth Mt: 380.0 Depth Ft: ___ Depth Fa: ___ .
Surface Temp (C): 12.2
Comments: Station #9 Russell
Bottom: Hard ☐ Soft ☐ Unknown

1994 | Name: Elder, Koschmann, Bishop | Page: ____

CTD Samples

Instrument malfunction date lost

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

Dump # C 2001 1 | Date: 940323 | Time Instrument on: 082818
Cast #: C 10 | Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ | Zone: 8
UTMX: 435660 | UTMY: 6510588 | Time of Position: 082958
Depth Mt: 148.0 | Depth Ft: | Depth Fa: | Surface Temp (C): 12.7
Comments: Station # 13 S. Russell Island | Bottom: Hard ☐ Soft ☐ Unknown ☐

Dump # C 2001 1 | Date: 940323 | Time Instrument on: 090347
Cast #: C 11 | Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ | Zone: 8
UTMX: 435868 | UTMY: 6517079 | Time of Position: 090533
Depth Mt: 81.7 | Depth Ft: | Depth Fa: | Surface Temp (C): 12.6
Comments: Station # 14 Muir Sill | Bottom: Hard ☐ Soft ☐ Unknown

Dump # C 2001 1 | Date: 940323 | Time Instrument on: 092506
Cast #: C 12 | Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ | Zone: 8
UTMX: 436164 | UTMY: 6519626 | Time of Position: 092739
Depth Mt: 117.0 | Depth Ft: | Depth Fa: | Surface Temp (C): 12.5
Comments: Station # 15 Muir Pt | Bottom: Hard ☐ Soft ☐ Unknown

Dump # C 2001 1 | Date: 940323 | Time Instrument on: 101520
Cast #: C 13 | Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ | Zone: 8
UTMX: 436886 | UTMY: 6528792 | Time of Position: 101807
Depth Mt: 315.0 | Depth Ft: | Depth Fa: | Surface Temp (C): 11.9
Comments: Station # 16 Hunter Cove | Bottom: Hard ☐ Soft ☐ Unknown

Dump # C 2001 1 | Date: 940323 | Time Instrument on: 111535
Cast #: C 14 | Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ | Zone: 8
UTMX: 434615 | UTMY: 6537674 | Time of Position: 110841
Depth Mt: 207. | Depth Ft: | Depth Fa: | Surface Temp (C): 12.0
Comments: Station # 17 Westdahl | Bottom: Hard ☐ Soft ☐ Unknown

1998 4 Name: Koschmann Bishop, Elder Page: ____

CTD Samples

Instrument malfunction data lost

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

Dump # C 200111 Date: 940323 Time Instrument on 111508
Cast #: c 115 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 432090 UTMY: 6546024 Time of Position 115238
Depth Mt: 217.0 Depth Ft: ___ Depth Fa: ___.__
Surface Temp (C): 12.4
Comments: hit bottom w/ CTD
Station #18 Riggs
Bottom: Hard ☐ Soft ☐ Unknown ☐

Dump # C 200111 Date: 940323 Time Instrument on 123808
Cast #: c 116 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 423207 UTMY: 6548672 Time of Position 124118
Depth Mt: 198.0 Depth Ft: ___ Depth Fa: ___.__
Surface Temp (C): 12.6
Comments:
Station #19 Muir
Bottom: Hard ☐ Soft ☐ Unknown

Dump # C 200111 Date: 940323 Time Instrument on 130104
Cast #: c 117 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 421527 UTMY: 6550296 Time of Position 130233
Depth Mt: 180.0 Depth Ft: ___ Depth Fa: ___.__
Surface Temp (C): 13.0
Comments:
Station #20 Head of Muir
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

1994 Name: BISHOP, HUOGE Page: _____

VRS

CTD Samples

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

Time is ~1hr. off-ERH 10/2002

Dump # C 10010 Date: 940419 Time Instrument on 0929
Cast #: c 00 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 448647 UTMY: 6465095 Time of Position 093142
Depth Mt: 50.3 Depth Ft: Depth Fa:
hiheight: 3.16 loheight: 0.42 Surface Temp (C): 4.2
Comments: Station #0 Icy Str. Mth GLBA
time since/to Hi: +146 Lo: -279 Bottom: Hard ☐ Soft ☐ Unknown ☐

Dump # C 10010 Date: 940419 Time Instrument on 101829
Cast #: c 01 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 441816 UTMY: 6474651 Time of Position 102129
Depth Mt: 61.1 Depth Ft: Depth Fa:
HiHeight: 3.42 Lo Height: 0.75 Surface Temp (C): 4.1
Comments: Station #1 Mth GLBA
Time since/to Hi: +165 Lo: -246 Bottom: Hard ☐ Soft ☐ Unknown

Dump # C 10010 Date: 940419 Time Instrument on 110916
Cast #: c 02 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 438667 UTMY: 6483348 Time of Position
Depth Mt: ~~68.8~~ 90.7 Depth Ft: Depth Fa:
HiHeight: 3.42 LoHeight: 0.75 Surface Temp (C): 4.1
Comments: Station #2 Sitakaday
Time since/to Hi: +216 Lo: -195 Bottom: Hard ☐ Soft ☐ Unknown

Dump # Date: 940419 Time Instrument on
Cast #: c 03 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone:
UTMX: 438667 UTMY: 6483348 Time of Position
Depth Mt: Depth Ft: Depth Fa:
Surface Temp (C):
Comments: Station #3 S. Willoughby
Bottom: Hard ☐ Soft ☐ Unknown

Dump # C 10010 Date: 940419 Time Instrument on 1158
Cast #: c 03 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 437995 UTMY: 6492616 Time of Position
Depth Mt: 110.0 Depth Ft: Depth Fa:
Hi Height: 3.84 Lo Height: 0.78 Surface Temp (C): 5.0
Comments: Station #3 S. Willoughby
Time since/to Hi: +252 Lo: -170 Bottom: Hard ☐ Soft ☐ Unknown

VRS 7/4

1998 4

Name: Bishop, Taggart, Bishop

Page: _____

CTD Samples

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

time 1 hr off - RS

Dump # C 2001 11 Date: 940521 Time Instrument on 0844

Cast #: c 00 Other Sampling:

Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8

UTMX: UTMY: Time of Position

Depth Mt: 112.0 Depth Ft: Depth Fa: .

Surface Temp (C): 5.9

Comments: Station # 03 E of S. Willoughby

Bottom: Hard ☐ Soft ☐ Unknown ☐

Downloaded Plotted C C

Dump # C 2001 11 Date: 940521 Time Instrument on 0858

Cast #: c 00 Other Sampling:

Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8

UTMX: UTMY: Time of Position

Depth Mt: Depth Ft: Depth Fa: .

Bad cast

Surface Temp (C): .

Comments: Station # 03 redone

Bottom: Hard ☐ Soft ☐ Unknown

C C

Dump # C 2001 11 Date: 940521 Time Instrument on 0904

Cast #: c 01 Other Sampling:

Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8

UTMX: 438011 UTMY: 6492719 Time of Position

hi height: 418 cm lo height: 31 cm

Depth Mt: 114.0 Depth Ft: Depth Fa: .

time since/to hi: -130 lo: +229

Surface Temp (C): 6.6

Comments: Station # 03 redone again

Bottom: Hard ☐ Soft ☐ Unknown

C C

Dump # C 2001 11 Date: 940521 Time Instrument on 0941

Cast #: c 02 Other Sampling:

Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8

UTMX: 435305 UTMY: 6501570 Time of Position

hi height: 418 cm lo height: 31 cm

Depth Mt: 299.0 Depth Ft: Depth Fa: .

time since/to hi: -124 lo: +235

Surface Temp (C): 9.6

Comments: Station # 04 S. Duke I.

Bottom: Hard ☐ Soft ☐ Unknown

C C

Dump # C 2001 11 Date: 940521 Time Instrument on 1047

Cast #: c 03 Other Sampling:

Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8

UTMX: 429504 UTMY: 6507620 Time of Position

hi height: 418 cm lo height: 31 cm

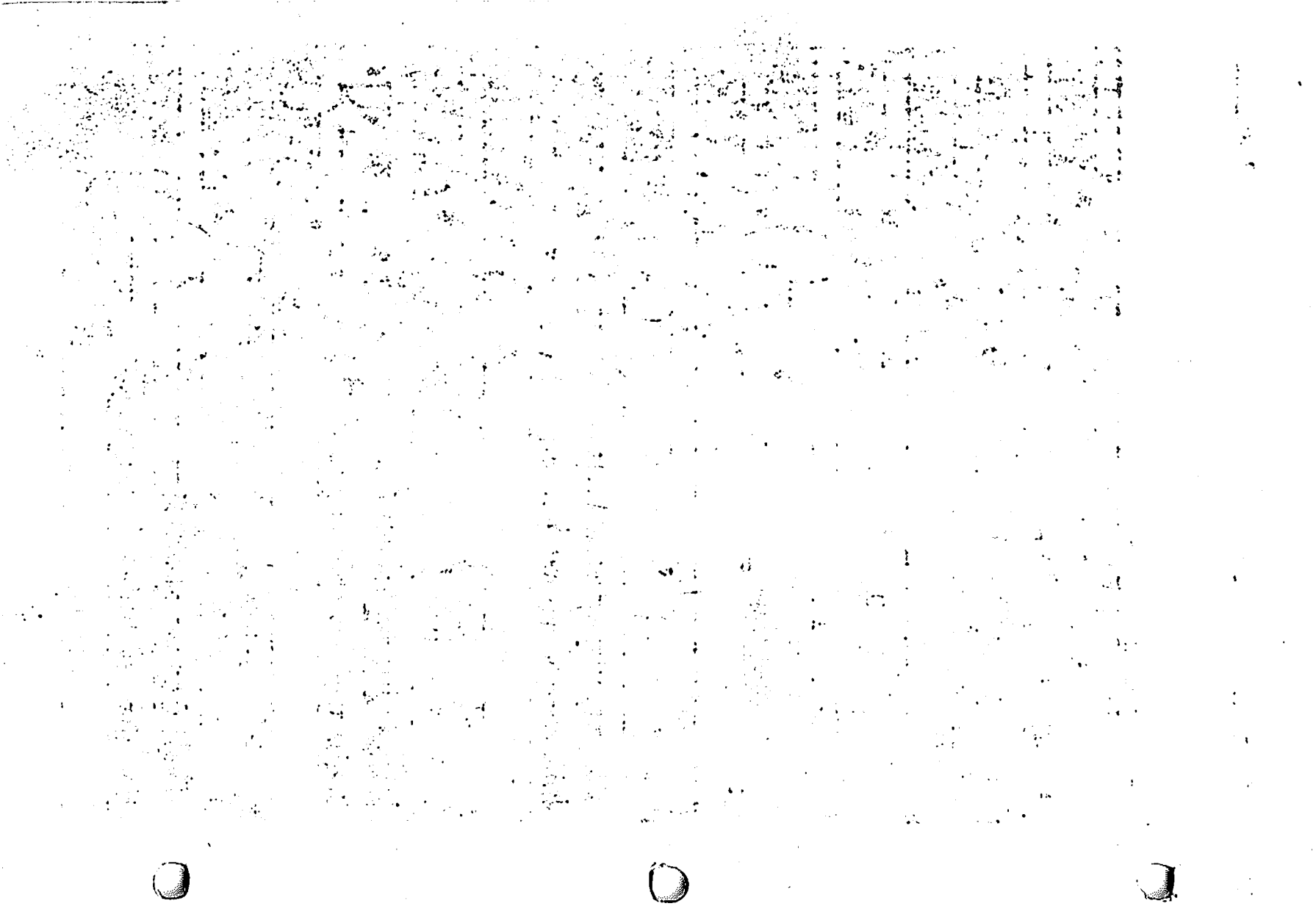
Depth Mt: 365.0 Depth Ft: Depth Fa: .

time since/to hi: -21 lo height: +338

Surface Temp (C): 8.9

Comments: Station # 05 North Duke Island

Bottom: Hard ☐ Soft ☐ Unknown



✓RS 7/14

1994 Name: BISHOP², TAGGART Page: _____

CTD Samples

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

Dump # C 200111 Date: 940521 Time Instrument on 1131
Cast #: C 004 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 421705 UTMY: 6511396 Time of Position
Plotted C
C hi height: 432 lo height: 62 cm
Depth Mt: 277.0 Depth Ft: Depth Fa:
time since/to hi: +19 lo: -345 Surface Temp (C): 18.9
Comments: Station #6 Hugh Miller Inlet
Bottom: Hard ☐ Soft ☐ Unknown ☐

instrument not turned on?!!

Dump # C 200111 Date: 940521 Time Instrument on 1217
Cast #: C 001 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 414807 UTMY: 6519902 Time of Position
Depth Mt: 440.0 Depth Ft: Depth Fa:
Surface Temp (C): 18.2
Comments: Station #7 Blue Mouse Cove
Bottom: Hard ☐ Soft ☐ Unknown ☐

Dump # C 200111 Date: 940521 Time Instrument on 1304
Cast #: C 005 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
C UTMX: 407987 UTMY: 6526099 Time of Position
C hi height: 432cm lo height: 62cm
Depth Mt: 427.0 Depth Ft: Depth Fa:
time since/to hi: +112 lo: -252 Surface Temp (C): 19.6
Comments: Station #8 Rendu Inlet
Bottom: Hard ☐ Soft ☐ Unknown ☐

Dump # C 200111 Date: 940521 Time Instrument on 1354
Cast #: C 006 Other Sampling:
C Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
C UTMX: 399834 UTMY: 6529808 Time of Position
hi height: 432cm lo height: 62 cm
Depth Mt: 377.0 Depth Ft: Depth Fa:
time since/to hi: +162 lo: -202 Surface Temp (C): 18.3
Comments: Russell Island Station #9
Bottom: Hard ☐ Soft ☐ Unknown ☐

C Dump # C 200111 Date: 940521 Time Instrument on 1429
C Cast #: C 007 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 393960 UTMY: 6530041 Time of Position
hi height: 432 cm lo height: 62 cm
Depth Mt: 382.0 Depth Ft: Depth Fa:
time since/to hi: +197 lo: -167 Surface Temp (C): 18.8
Comments: Station #10 S. Russell
Bottom: Hard ☐ Soft ☐ Unknown ☐

✓ RS 2/14 ✓

19984 Name: TAGGART, BISHOP, BISHOP Page: _____

CTD Samples

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

Dump # C 200111 Date: 940521 Time Instrument on 1514
Cast #: c ~~07~~ 08 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 389885 UTMY: 6538418 Time of Position
hi height: 432cm lo height: 62
Depth Mt: 340. Depth Ft: Depth Fa: .
time since /to hi: +242 lo: -122 Surface Temp (C): 6.4
Comments: Station #11 Taur Inlet Bottom: Hard ☐ Soft ☐ Unknown ☐

Dump # C 200111 Date: 940521 Time Instrument on 1604
Cast #: c ~~08~~ 09 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 384142 UTMY: 6545411 Time of Position
hi height: 432 cm lo height: 62 cm
Depth Mt: 286.0 Depth Ft: Depth Fa: .
time since /to hi: +292 lo: -72 Surface Temp (C): 6.1
Comments: Station # 12 Head of Tarr Bottom: Hard ☐ Soft ☐ Unknown

Dump # C 200111 Date: 940522 Time Instrument on 0838
Cast #: c ~~09~~ 10 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: UTMY: Time of Position
Depth Mt: . Depth Ft: Depth Fa: . No cast
BAD CAST Surface Temp (C): .
Comments: ? PUMP WORKING
STATION#13 SE OF TLINGIT Pt Bottom: Hard ☐ Soft ☐ Unknown

Dump # C 200111 Date: 940522 Time Instrument on 0906
Cast #: c ~~10~~ 11 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: UTMY: Time of Position
Depth Mt: . Depth Ft: Depth Fa: . No cast
BAD CAST Surface Temp (C): .
Comments:
STATION #13 (REDONE) Bottom: Hard ☐ Soft ☐ Unknown

Dump # C 200111 Date: 940522 Time Instrument on 0924
Cast #: c ~~11~~ 12 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 435501 UTMY: 6510559 Time of Position
hi height: 449 cm lo height: -27 cm
Depth Mt: 143.0 Depth Ft: Depth Fa: .
time since /to hi: -167 lo: +200 Surface Temp (C): 7.7
Comments: PUMP
STATION #13 (REDONE) UNHOOKED Bottom: Hard ☐ Soft ☐ Unknown

VRS 7/14

1994

Name: BISHOP, TAGGART BISHOP

Page: _____

CTD Samples

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

Dump # C 200111 Date: 940522 Time Instrument on 0959

Cast #: c 13 Other Sampling: Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8

UTMX: 435912 UTMY: 6517109 Time of Position

hi height: 464cm lo height: -27cm

Depth Mt: 79.2 Depth Ft: ☐☐☐ Depth Fa: ☐☐☐.☐

time since/to hi: -137 lo: +232 Surface Temp (C): 7.2

Comments: STATION MUIR SILL #14

Bottom: Hard ☐ Soft ☐ Unknown ☐

Dump # C 200111 Date: 940522 Time Instrument on 1017

Cast #: c 14 Other Sampling: Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8

UTMX: 436142 UTMY: 6519684 Time of Position

hi height: 464cm lo height: -27cm

Depth Mt: 116.0 Depth Ft: ☐☐☐ Depth Fa: ☐☐☐.☐

time since/to hi: -119 lo: +250 Surface Temp (C): 6.8

Comments: STATION W OF MUIR PT #15

Bottom: Hard ☐ Soft ☐ Unknown

Dump # C 200111 Date: 940522 Time Instrument on 1054

Cast #: c 15 Other Sampling: Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8

UTMX: 437034 UTMY: 6528678 Time of Position

hi height: 464cm lo height: -27cm

Depth Mt: 316.0 Depth Ft: ☐☐☐ Depth Fa: ☐☐☐.☐

time since/to hi: -82 lo: +287 Surface Temp (C): 9.4

Comments: STATION #16 E OF HUNTER COVE

Bottom: Hard ☐ Soft ☐ Unknown

Dump # C 200111 Date: 940522 Time Instrument on 1141

Cast #: c 16 Other Sampling: Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8

UTMX: 434690 UTMY: 6537595 Time of Position

hi height: 464cm lo height: -27cm

Depth Mt: 216.0 Depth Ft: ☐☐☐ Depth Fa: ☐☐☐.☐

time since/to hi: -35 lo: +334 Surface Temp (C): 9.6

Comments: STATION #17 E. OF WESTDAHL PT

Bottom: Hard ☐ Soft ☐ Unknown

Dump # C 200111 Date: 940522 Time Instrument on 1222

Cast #: c 17 Other Sampling: Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8

UTMX: 432071 UTMY: 6545966 Time of Position

hi height: 464cm lo height: 49cm

Depth Mt: 218.☐ Depth Ft: ☐☐☐ Depth Fa: ☐☐☐.☐

time since/to hi: +336 lo: -352 Surface Temp (C): 6.8

Comments: STATION #18 S OF RIGGS NW OF MCBRIDE

Bottom: Hard ☐ Soft ☐ Unknown

VLS 4/15

STATION #19 MOIR INLET DATE 940522

TIME ON	1309	C20011
UTM X	423508	Cast # ~~20~~ 18
UTM Y	6548560	hi height: 464cm lo height: 49cm
DEPTH	240	time since/to hi: +53
TEMP	7.2	lo: -305

~~XXXX~~ Next casts only exist here - no HEX or CNV files.

STATION #20 HEAD OF MOIR DATE 940522

TIME ON	1330	C20011
UTM X	421522	Cast # ~~21~~ 19
UTM Y	6550177	
DEPTH	192	
TEMP	6.9	

STATION #2 SITAKADAY DATE 940522

TIME ON	1809	C20011
UTM X	438706	Cast # 20
UTM Y	6483368	
DEPTH	88.7	
TEMP	6.4	

STATION #1 MOUTH

TIME ON	1842	C20011
UTM X	441989	Cast # ~~23~~ 21
UTM Y	6474742	
DEPTH	60.8	
TEMP.	5.3	

STATION #0 ICY STRAITS

TIME ON 1419 C20011

~~UT~~MX 448107 Cast # ~~24~~ 22

UTMY 6465600

DEPTH 40.4

TEMP 5.5

J. L. DARLING CORP. TACOMA, WA 98421
(206) 383-1714 · FAX (206) 383-1722

✓RS 1/19-20

04

Name: Hoage, Taggart, Bishop, Moss, Gilton

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CTD Samples

File ~~Chrono~~ CHRN_.HEX

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

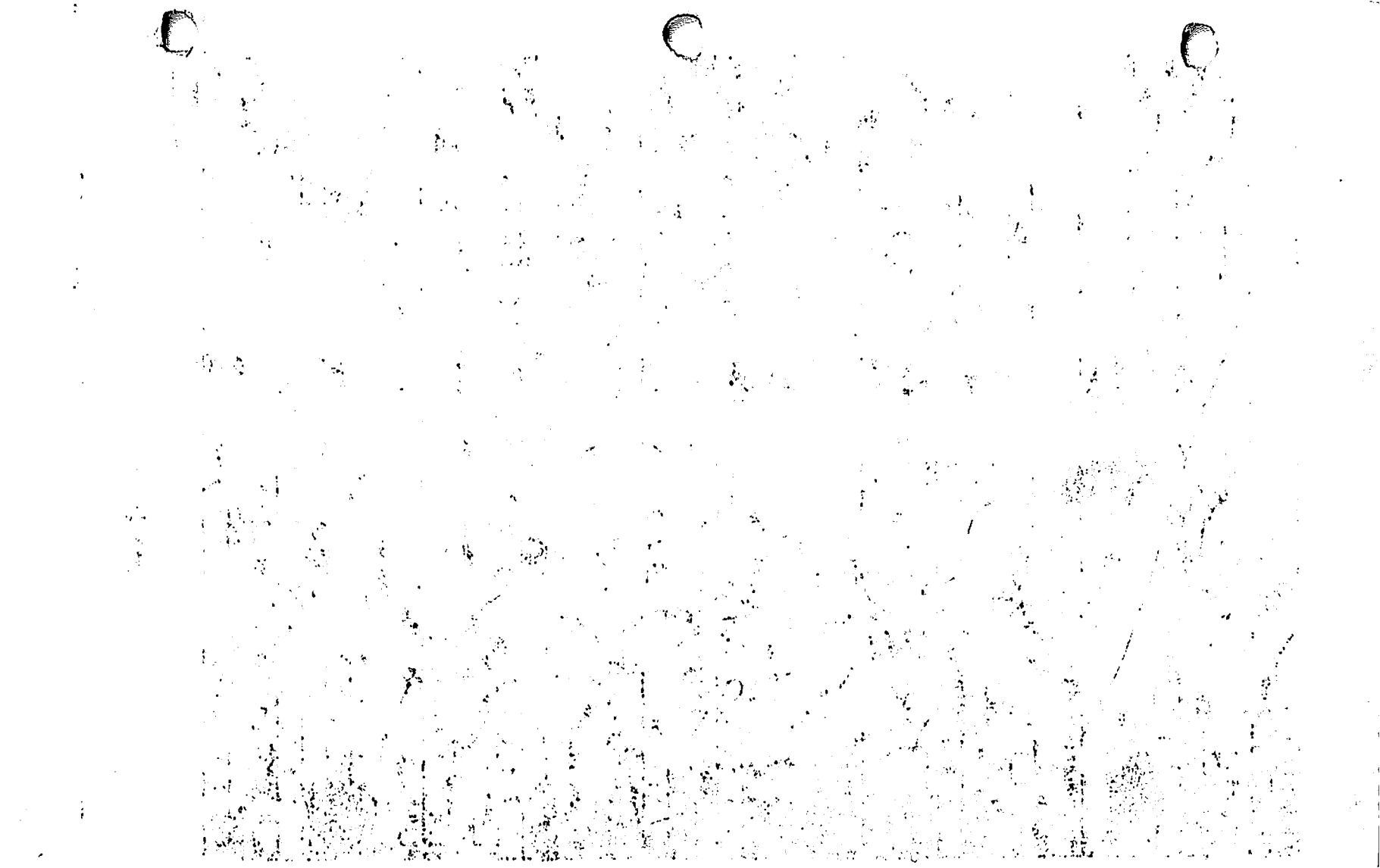
Dump # C 1 0 0 1 1 1 Date: 94 0 6 1 5 Time Instrument on 0 7 0 0
Cast #: c 0 0 Other Sampling:
CHRN00.HEX Sonic ☐ Bottom ☑ Trawl ☐ Longline ☑ Zone: 8
UTMX: 4 4 4 5 3 9 UTMY: 6 4 6 7 0 3 9 Time of Position 0 7 0 2
Depth m: 42 Depth Ft: Depth Fa: 42
WP#301 Surface Temp (C):
Comments: Set #: 108 dron01
Bottom: Hard ☑ Soft ☐ Unknown ☐

Dump # C 1 0 0 1 1 1 Date: 94 0 6 1 5 Time Instrument on 0 8 1 5
Cast #: c 0 1 Other Sampling:
Sonic ☐ Bottom ☑ Trawl ☐ Longline ☑ Zone: 8
UTMX: 4 4 5 4 5 3 UTMY: 6 4 7 2 5 1 1 Time of Position 0 8 1 7 2 5
Depth m: Depth Ft: Depth Fa: 38 6
WP#302 Surface Temp (C):
Comments: Set #: 109 dron 02
Bottom: Hard ☑ Soft ☐ Unknown

Dump # C 1 0 0 1 1 1 Date: 94 0 6 1 5 Time Instrument on 0 9 3 1
Cast #: c 0 2 Other Sampling:
Sonic ☐ Bottom ☑ Trawl ☐ Longline ☑ Zone: 8
UTMX: 4 4 9 7 5 9 UTMY: 6 4 6 5 1 6 0 Time of Position 0 9 3 1 4 5
Depth m: Depth Ft: Depth Fa: 39 0
Surface Temp (C):
Comments: Set #: 110 Chrono 03
Bottom: Hard ☑ Soft ☐ Unknown

Dump # C 1 0 0 1 1 1 Date: 94 0 6 1 5 Time Instrument on 1 0 3 8
Cast #: c 0 3 Other Sampling:
Sonic ☐ Bottom ☑ Trawl ☐ Longline ☑ Zone: 8
UTMX: 4 5 4 6 0 0 UTMY: 6 4 6 3 5 0 1 Time of Position 1 0 3 9 5 8
Depth m: Depth Ft: Depth Fa: 64 6
Surface Temp (C):
Comments: Set #: 111 Chrono 04
Bottom: Hard ☑ Soft ☐ Unknown

Dump # C Date: 94 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



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Name: Taggart Hooge, Chilton, Mossel Bishop

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✓RS 1/23 ✓ Cast + Dump #'s w-a

CTD Samples

FILE CHRN.HRX

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

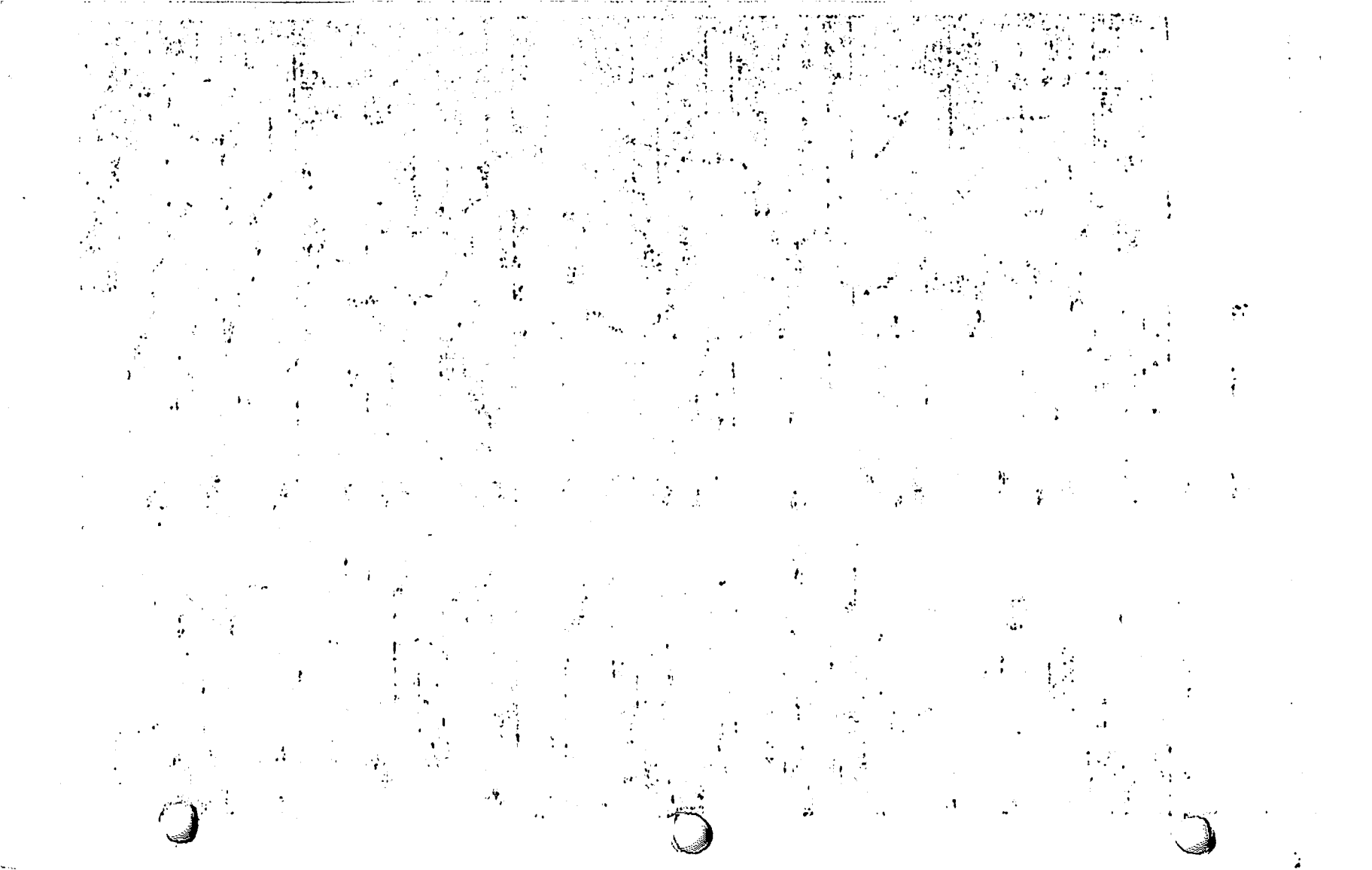
Dump # C100111 Date: 940616 Time Instrument on 0643
Cast #: c04 Other Sampling:
Sonic ☐ Bottom ✓ Trawl ☐ Longline ✓ Zone: 8
UTMX: 441749 UTMY: 6476234 Time of Position 064530
Depth m: ____.__ Depth Ft: ____ Depth Fa: 35.0
Surface Temp (C): __.__
Comments: Set #: 112 Chrono 05
Bottom: Hard ☒ Soft ☐ Unknown ☐

Dump # C100111 Date: 940616 Time Instrument on 0732
Cast #: c05 Other Sampling:
Sonic ☐ Bottom ✓ Trawl ☐ Longline ✓ Zone: 8
UTMX: 442719 UTMY: 6475552 Time of Position 073400
Depth m: ____.__ Depth Ft: ____ Depth Fa: 37.0
Surface Temp (C): __.__
Comments: Set #: 113 Chrono 06
Bottom: Hard ✓ Soft ☐ Unknown

Dump # C100111 Date: 940617 Time Instrument on 0708
Cast #: c06 Other Sampling:
Sonic ☐ Bottom ✓ Trawl ☐ Longline ✓ Zone: 8
UTMX: 437793 UTMY: 6485670 Time of Position 071010
Depth m: ____.__ Depth Ft: ____ Depth Fa: 56.0
Surface Temp (C): __.__
Comments: Set #: 114 Chrono 07
Bottom: Hard ☒ Soft ☐ Unknown

Dump # C100111 Date: 940617 Time Instrument on 0806
Cast #: c07 Other Sampling:
Sonic ☐ Bottom ✓ Trawl ☐ Longline ✓ Zone: 8
UTMX: 437824 UTMY: 6492958 Time of Position 080745
Depth m: ____.__ Depth Ft: ____ Depth Fa: 65.0
Surface Temp (C): __.__
Comments: Set #: 115 Chrono 08
Bottom: Hard ☐ Soft ☐ Unknown

Dump # C100111 Date: 940617 Time Instrument on 0851
Cast #: c08 Other Sampling:
Sonic ☐ Bottom ✓ Trawl ☐ Longline ✓ Zone: 8
UTMX: 436883 UTMY: 6500063 Time of Position 085200
Depth m: ____.__ Depth Ft: ____ Depth Fa: 142.0
Surface Temp (C): __.__
Comments: Set #: 116 Chrono 09
Bottom: Hard ☐ Soft ☐ Unknown



✓RS 1/23 ✓
Dump/Cast #
w-a

Name: Taggart, Hooge, Bishop, lentfer, chilton

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CTD Samples

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

VOID

Dump # C 100 | Date: 94 06 18 | Time Instrument on 0659
Cast #: c 09 | Other Sampling: Sonic ☐ Bottom ☑ Trawl ☐ Longline ☑ Zone: 8
UTMX: 430340 | UTMY: 6502447 | Time of Position 070058
Depth m: ___ | Depth Ft: ___ | Depth Fa: 37.5
Surface Temp (C): ___
Comments: Set #: 117 left hose on instrument
Bottom: Hard ☐ Soft ☒ Unknown ☐

Dump # C 10011 | Date: 94 06 18 | Time Instrument on 0707
Cast #: c ~~09~~ 10 | Other Sampling: Sonic ☐ Bottom ☑ Trawl ☐ Longline ☑ Zone: 8
UTMX: 430346 | UTMY: 6502497 | Time of Position 070810
Depth m: ___ | Depth Ft: ___ | Depth Fa: ~~10~~ 36.5
Surface Temp (C): ___
Comments: Set #: 117 E. Drk Chrono 10
Bottom: Hard ☐ Soft ☐ Unknown

Dump # C 10011 | Date: 94 06 18 | Time Instrument on 0802
Cast #: c 11 | Other Sampling: Sonic ☐ Bottom ☐ Trawl ☐ Longline ☑ Zone: 8
UTMX: 431608 | UTMY: 6505729 | Time of Position 80410
Depth m: ___ | Depth Ft: ___ | Depth Fa: 162.0
N Drk — N Mbl
Surface Temp (C): ___
Comments: Set #: 118 only dropped to 100 FA
Chrono 11 NO bottom SAmple
Bottom: Hard ☐ Soft ☑ Unknown

Dump # C 10011 | Date: 94 06 18 | Time Instrument on 0921
Cast #: c 12 | Other Sampling: Sonic ☐ Bottom ☐ Trawl ☐ Longline ☑ Zone: 8
UTMX: 427776 | UTMY: 6510878 | Time of Position 092215
Depth m: ___ | Depth Ft: ___ | Depth Fa: ___ ?!
Surface Temp (C): ___
Comments: Set #: 119 Dropped to 100 FA
Chrono 12 NO bottom SAmple
Bottom: Hard ☐ Soft ☐ Unknown

Dump # C 10011 | Date: 94 06 19 | Time Instrument on 0641
Cast #: c 13 | Other Sampling: Sonic ☐ Bottom ☐ Trawl ☐ Longline ☑ Zone: 8
UTMX: ~~422413~~ 422356 | UTMY: 6515626 40 | Time of Position ~~064150~~ 064311
Depth m: ___ | Depth Ft: ___ | Depth Fa: 231.0
Surface Temp (C): ___
Comments: Set #: 120 dropped to 100 fa Chrono #13
Bottom: Hard ☐ Soft ☑ Unknown

Wrong

✓RS Dump & cast # - 1
✓ w-a

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Name: BISHOP, TAGGART, HOOGE, Chilton

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CTD Samples

CHRN — HEX

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

Dump # C 1 0 0 1 1 Date: 94 0 6 1 9 Time Instrument on 0 8 1 8
Cast #: c 1 4 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ✓ Zone: 8
UTMX: 4 1 8 0 0 5 UTMY: 6 5 1 4 0 5 2 Time of Position 0 8 1 9 3 0
Depth m: ___ . ___ Depth Ft: ___ Depth Fa: 3 2 . 5
Surface Temp (C): — . —
Comments: Set #: 121 ✓
Chrono # 14
Bottom: Hard ☐ Soft ☐ Unknown ☐

Dump # C 1 0 0 1 1 Date: 94 0 6 1 9 Time Instrument on 1 0 0 5
Cast #: c 1 5 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ✓ Zone: 8
UTMX: 4 1 5 0 9 9 UTMY: 6 5 2 0 5 1 6 Time of Position 1 0 0 6 3 5
Depth m: ___ . ___ Depth Ft: ___ Depth Fa: 2 3 9 . 0
Surface Temp (C): — . —
Comments: Set #: 122 only dropped to ✓10 fa
Chrono # 15
Bottom: Hard ☐ Soft ☐ Unknown

Dump # C 1 0 0 1 1 Date: 94 0 6 2 0 Time Instrument on 0 6 4 3
Cast #: c 1 6 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ✓ Zone: 8
UTMX: 4 0 9 3 5 8 UTMY: 6 5 2 5 2 4 8 Time of Position 0 6 4 4 4 8
Depth m: ___ . ___ Depth Ft: ___ Depth Fa: 2 3 1 . 0
Surface Temp (C): — . —
Comments: Set #: 123 ✓
Chrono # 16
Bottom: Hard ☐ Soft ☐ Unknown

Dump # C 1 0 0 1 1 Date: 94 0 6 2 0 Time Instrument on 0 8 0 7
Cast #: c 1 7 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ✓ Zone: 8
UTMX: 4 0 2 7 1 2 UTMY: 6 5 2 8 1 8 3 Time of Position 0 8 0 8
Depth m: ___ . ___ Depth Ft: ___ Depth Fa: 2 2 1
Surface Temp (C): ___ . ___
Comments: Set #: 124 ✓
Chrono # 17
Bottom: Hard ☐ Soft ☐ Unknown

Dump # C 1 0 0 1 1 Date: 94 0 6 2 0 Time Instrument on 0 9 3 1
Cast #: c 1 8 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ✓ Zone: 8
UTMX: 3 9 8 7 0 2 UTMY: 6 5 3 2 1 1 4 Time of Position 0 9 3 2 2 1
Depth m: ___ . ___ Depth Ft: ___ Depth Fa: 2 9 . 5
Surface Temp (C): ___ . ___
Comments: Set #: 125 ✓
Chrono # 18
Bottom: Hard ☐ Soft ☐ Unknown

VRS Dump/cast + w-a

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Name: BISHOP, TAGGART, CHILTON, HOOGE

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CTD Samples

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

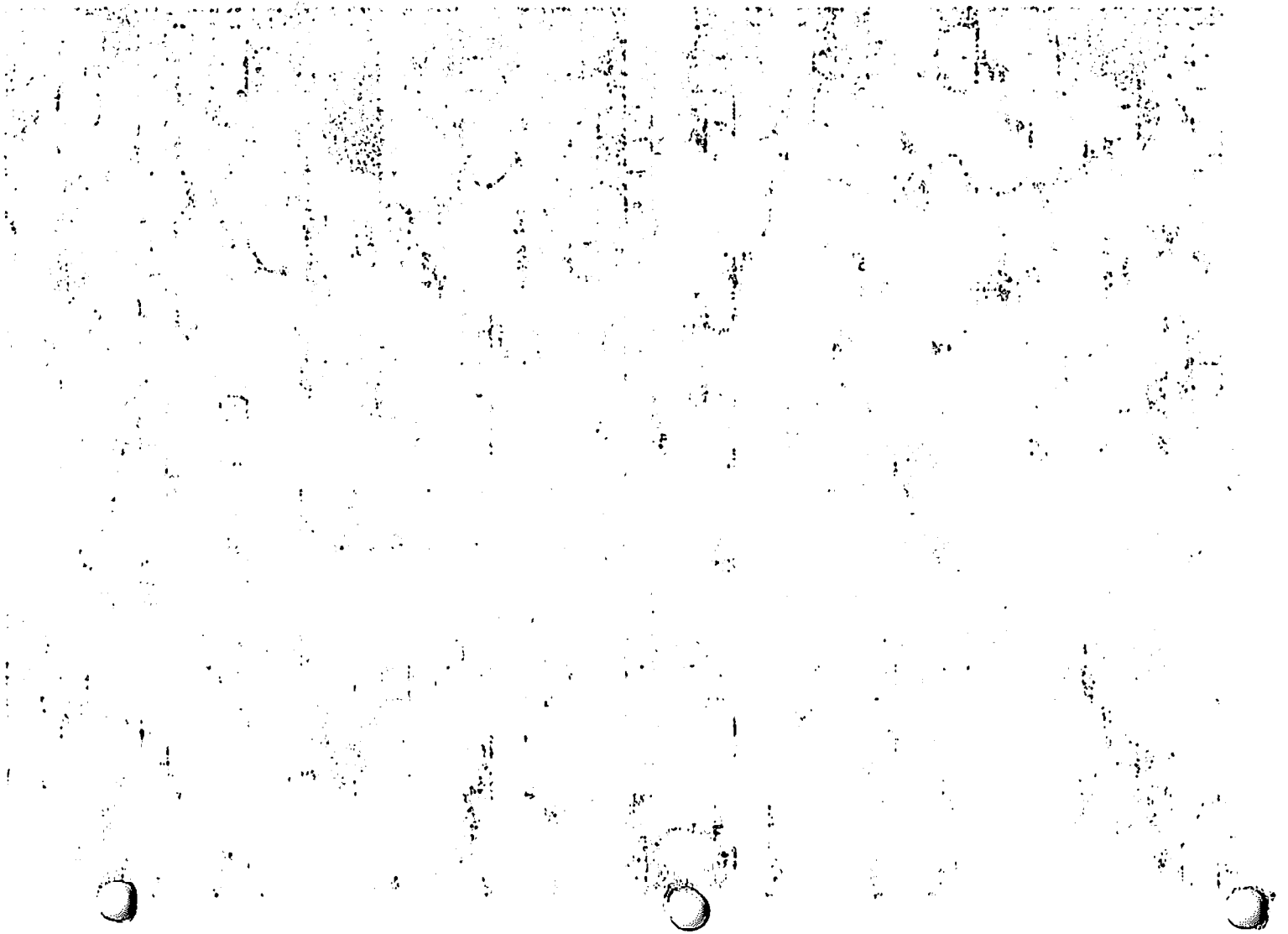
Dump # C 1 0 0 1 1 Date: 94 0621 Time Instrument on 0705
Cast #: c 19 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☑ Zone: 8
98 53 974
UTMX: 395793 UTMY: 6530068 Time of Position 070709
Depth m: ___.___ Depth Ft: ____ Depth Fa: 178.0
Surface Temp (C): ___.___
Comments: Set #: CR19 126
Bottom: Hard ☐ Soft ☐ Unknown ☑

Dump # C 1 0 0 1 1 Date: 94 0621 Time Instrument on 0758
Cast #: c 20 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☑ Zone: 8
UTMX: 394708 UTMY: 6528130 Time of Position 075900
Depth m: ___.___ Depth Ft: ____ Depth Fa: 85.6
Surface Temp (C): ___.___
Comments: Set #: CR20 127
Bottom: Hard ☐ Soft ☐ Unknown ☑

Dump # C 1 0 0 1 1 Date: 94 0621 Time Instrument on 0934
Cast #: c 21 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☑ Zone: 8
UTMX: 391056 UTMY: 6534427 Time of Position 0935
Depth m: ___.___ Depth Ft: ____ Depth Fa: 202.
Surface Temp (C): ___.___
Comments: Set #: 128 CR21
Bottom: Hard ☐ Soft ☐ Unknown ☑

Dump # C 1 0 0 1 1 Date: 94 0622 Time Instrument on 0628
Cast #: c 22 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 392276 UTMY: 6536288 Time of Position 0629
Depth m: ___.___ Depth Ft: ____ Depth Fa: 25.0
Surface Temp (C): ___.___
Comments: Set #: 129 CR 22
Bottom: Hard ☐ Soft ☐ Unknown

Dump # C 1 0 0 1 1 Date: 94 0622 Time Instrument on 0751
Cast #: c 23 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 387047 UTMY: 6542029 Time of Position 075200
Depth m: ___.___ Depth Ft: ____ Depth Fa: 160.0
Surface Temp (C): ___.___
Comments: Set #: 130 CR 23
Bottom: Hard ☐ Soft ☐ Unknown



CHILTON ✓RS 7/13

Name: BISHOP, TAGGART, HOOGE SOISETH, Page: ____

SMITHS

CTD Samples

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

Dump # C 400 111 Date: 94 06 22 Time Instrument on 09 23
Cast #: c 24 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ✓ Zone: 8
UTMX: 384342 UTMY: 6546192 Time of Position 092400
Depth m: ____ Depth Ft: ____ Depth Fa: 119.0
Surface Temp (C): ____
Comments: Set #: 131
CR 24
Bottom: Hard ☐ Soft ☐ Unknown ✓

Dump # C ____ Date: 94 ____ Time Instrument on 0 ____
Cast #: c ____ Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: ____ UTMY: ____ Time of Position ____
Depth m: ____ Depth Ft: ____ Depth Fa: 119.0
Surface Temp (C): ____
Comments: Set #:
Bottom: Hard ☐ Soft ☐ Unknown

Dump # C ____ Date: 94 ____ 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: 94 ____ 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: 94 ____ 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

VRS 7/15

Name: Chilton Page: _____

CTD Samples

Glacier Bay National Park & Preserve, Alaska, U.S.A. (257

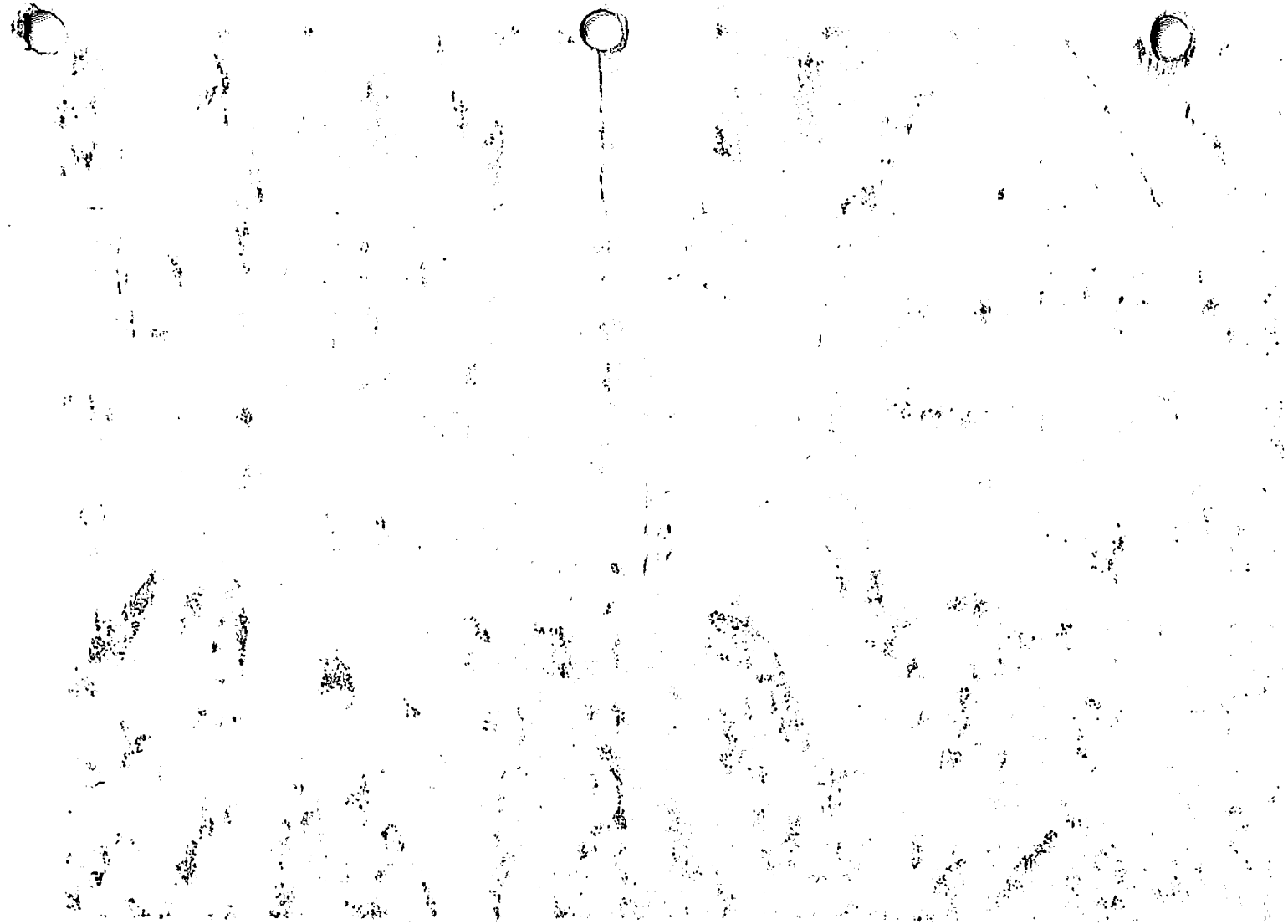
Dump # C 1 0 0 1 2 Date: 94 07 17 Time Instrument on 1400
Cast #: c 00 25 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 446417 UTMY: 6973586 Time of Position 175749
Depth m: ____.__ Depth Ft: ____ Depth Fa: 13.3
Surface Temp (C): ____.__
Comments: Set #: N/A 446418 6973465 anchored
Bottom: Hard ☐ Soft ☒ Unknown ☐

Dump # C 1 0 0 1 2 Date: 94 07 17 Time Instrument on 1312
Cast #: c 01 26 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 446389 UTMY: 6934546 Time of Position 131330
Depth m: ____.__ Depth Ft: ____ Depth Fa: 13.2
Surface Temp (C): ____.__
Comments: Set #: wpt #330
Bottom: Hard ☐ Soft ☐ Unknown

Dump # C 1 0 0 1 2 Date: 94 07 19 Time Instrument on 1238
Cast #: c 27 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 446296 UTMY: 6935466 Time of Position 123965
Depth m: ____.__ Depth Ft: ____ Depth Fa: 18.7
Surface Temp (C): ____.__
Comments: Set #: wpt #331 Tide too strong
Bottom: Hard ☐ Soft ☐ Unknown

Dump # C 1 0 0 9 2 Date: 94 07 19 Time Instrument on 1248
Cast #: c 28 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 446332 UTMY: 6935397 Time of Position ____
Depth m: ____.__ Depth Ft: ____ Depth Fa: 18.5
Surface Temp (C): ____.__
Comments: Set #: Not set too strong current
Bottom: Hard ☐ Soft ☐ Unknown

Dump # C 1 0 0 1 3 Date: 94 07 31 Time Instrument on 1220
Cast #: c 00 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 446474 UTMY: 6934726 Time of Position 122022
Depth m: ____.__ Depth Ft: ____ Depth Fa: 12.2
Surface Temp (C): ____.__
Comments: Set #: right next to N. Gustavus temp. recorder
Bottom: Hard ☐ Soft ☐ Unknown



√RS 2/15 ✓

Name: Chilton Sapiano Page: _____

CTD Samples

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

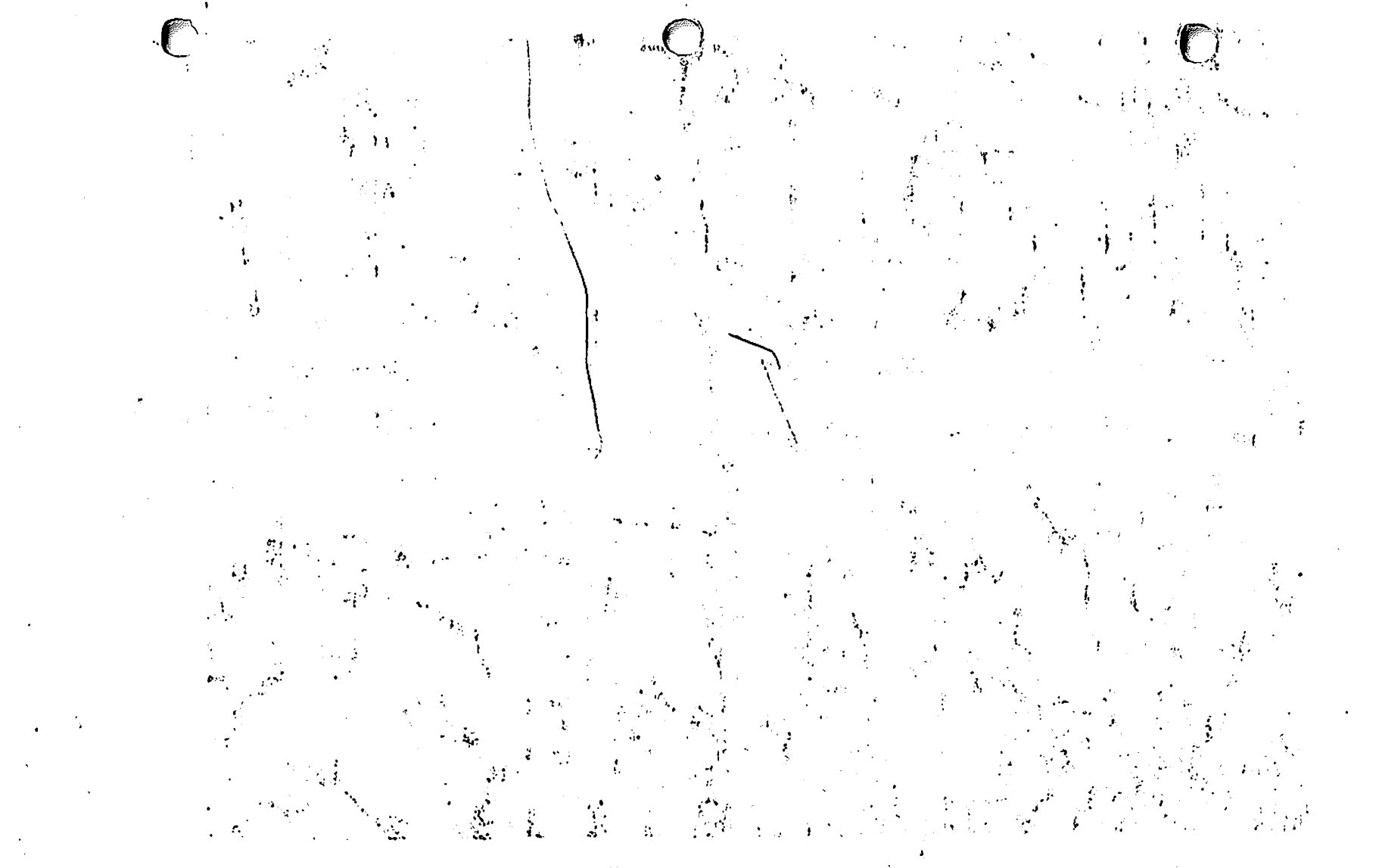
Dump # C 1 0 0 1 3 Date: 9 4 0 7 3 1 Time Instrument on 1 2 3 6
Cast #: c 0 1 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 4 4 6 8 0 5 UTMY: 6 4 7 4 9 8 5 Time of Position 1 2 3 7 0 0
Depth m: . Depth Ft: Depth Fa: 8 . 3
Surface Temp (C): .
reject
Comments: Set #: Not Anchored
Shallow hump N. of Temp. logger drifting Bottom: Hard ☐ Soft ☐ Unknown ☐

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

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

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

Dump # C 1 0 0 1 3 Date: 9 4 0 7 3 1 Time Instrument on 1 4 3 9
Cast #: c 0 5 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 4 3 6 6 4 5 UTMY: 6 4 8 3 0 8 6 Time of Position 1 4 4 0 3 0
Depth m: . Depth Ft: Depth Fa: 9 . 2
Surface Temp (C): .
Comments: Set #: N. of Rush pt. temp logger
Drifting while profiling
Bottom: Hard ☐ Soft ☐ Unknown



√RS 415 √

Name: Chilton, Sapiano

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CTD Samples

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

Dump # C 1 0 0 1 3 Date: 9 4 0 7 3 1 Time Instrument on 1 4 5 3

Cast #: c 0 6 Other Sampling:

Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8

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

Depth m: ____ . ☐ Depth Ft: ____ Depth Fa: 1 6 . 1

Surface Temp (C): ____ . ☐

Comments: Set #: South of Rush pt. logger right @ Rush pt. buoy - in shore

Bottom: Hard ☐ Soft ☐ Unknown ☐

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

Cast #: c 0 7 Other Sampling:

Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8

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

Depth m: ____ . ☐ Depth Ft: ____ Depth Fa: 1 4 2

Surface Temp (C): ____ . ☐

Comments: Set #: South of Ripple Cove Temp. logger

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

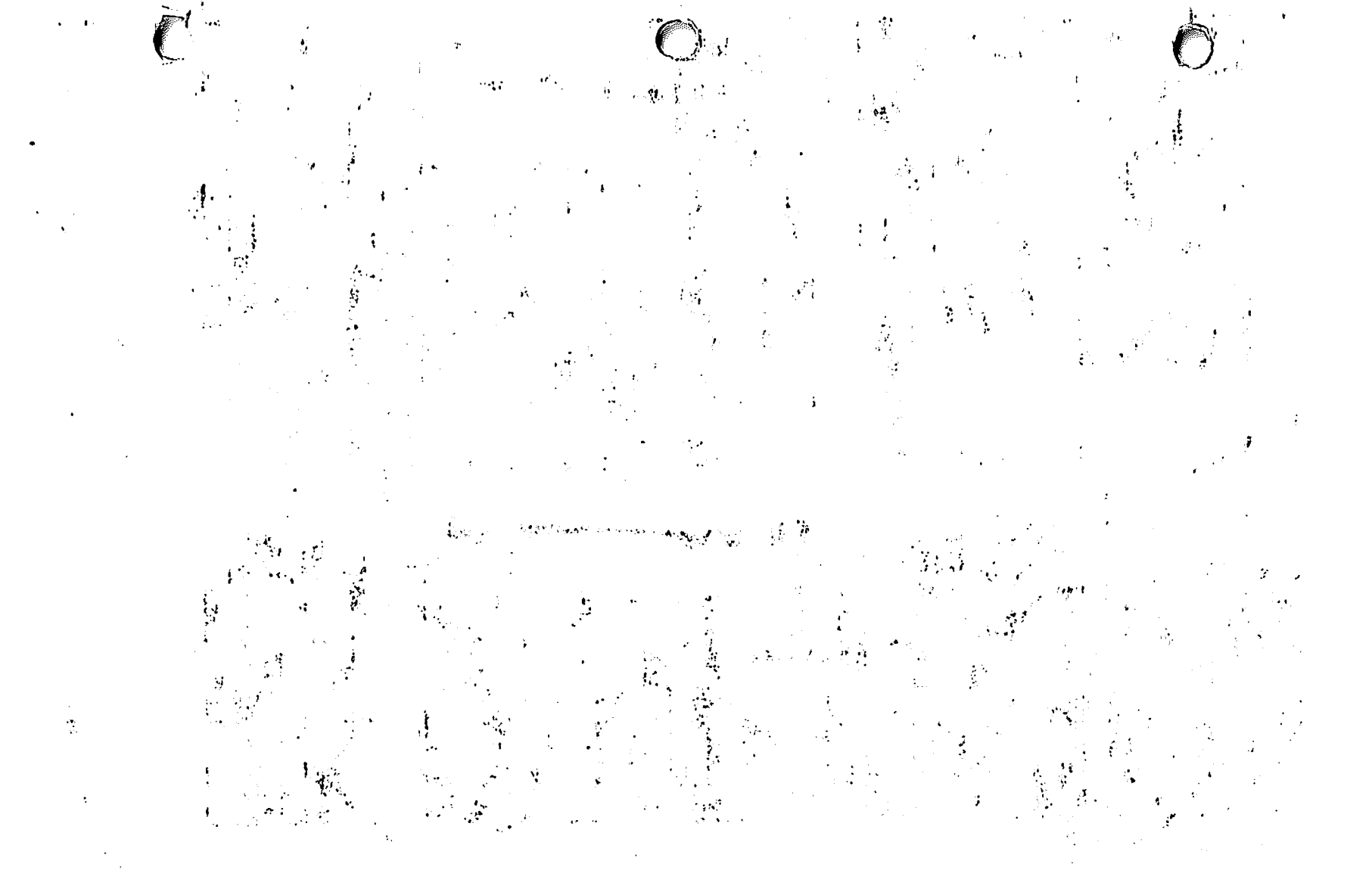
UTMX: ____ UTMY: ____ Time of Position ____

Depth m: ____ . ☐ Depth Ft: ____ Depth Fa: ____

Surface Temp (C): ____ . ☐

Comments: Set #:

Bottom: Hard ☐ Soft ☐ Unknown



VRS 2/15

Name: Bishop, Hooge, Sharman

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CTD Samples

times for this dump - 1 hr off

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

Dump # C 20012 Date: 94 07 28 Time Instrument on 0850
Cast #: c 00 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 448662 UTMY: 6465184 Time of Position 085219
hi height: 315 cm lo height: 35 cm 53 28
Depth m: 52.0 Depth Ft: Depth Fa:
time since / to hi: +223 lo: -145 Surface Temp (C): 13.1
Comments: Set #: Station 0 Icy Straits Bottom: Hard ☐ Soft ☐ Unknown ☐

Dump # C 20012 Date: 94 07 28 Time Instrument on 0944
Cast #: c 01 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 441971 UTMY: 6474597 Time of Position 094633
hi height: 380 lo height: 46 cm 53 57 54 51
Depth m: 60.5 Depth Ft: Depth Fa: 55 59
time since / to hi: +288 lo: -105 Surface Temp (C): 8.0
Comments: Set #: Smart block 54 m Station 1 Mth GLBA Bottom: Hard ☐ Soft ☐ Unknown

Dump # C 20012 Date: 94 07 28 Time Instrument on 1052
Cast #: c 02 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 438689 UTMY: 6483413 Time of Position 105422
hi height: 380 cm lo height: 46 cm
Depth m: 89.4 Depth Ft: Depth Fa:
time since / to hi: +326 lo: -37 Surface Temp (C): 9.6
Comments: Set #: Smart block 80 m Station 2 Sitakaday Bottom: Hard ☐ Soft ☐ Unknown

Dump # C 20012 Date: 94 07 28 Time Instrument on 1138
Cast #: c 03 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 437974 UTMY: 6492734 Time of Position ~~113753~~
hi height: 423 cm lo height: 49 cm
Depth m: 107.0 Depth Ft: Depth Fa:
time since / to hi: +359 lo: -15 Surface Temp (C): 9.8
Comments: Set #: Smart block 90 m Station 3 S. ~~Drake~~ Willoughby Bottom: Hard ☐ Soft ☐ Unknown

Dump # C 20012 Date: 94 07 28 Time Instrument on 1222
Cast #: c 04 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 435278 UTMY: 6501380 Time of Position 122425
hi height: 458 cm lo height: 49 cm
Depth m: 297.0 Depth Ft: Depth Fa:
time since / to hi: -346 lo: +31 Surface Temp (C): 9.0
Comments: Set #: Smart block 260 m Station 4 S. Drake Bottom: Hard ☐ Soft ☐ Unknown

✓RS 4/15✓

04 Name: BISHOP, SHARMAN, HUDGE Page: _____

CTD Samples

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

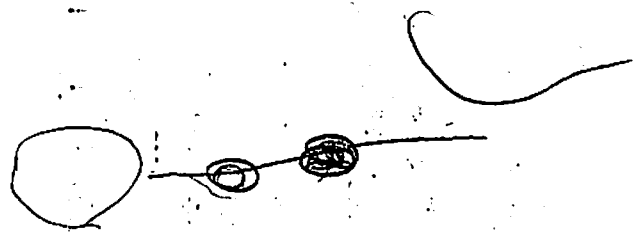
Dump # C 2 0 0 1 2 Date: 9 4 0 7 2 8 Time Instrument on 1 3 1 1
Cast #: c 0 5 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 4 2 8 6 3 4 UTMY: 6 5 0 7 5 4 9 Time of Position 1 3 1 3 2 3
5 hi height: 458cm lo height: 49cm
Depth m: 3 6 6 . 0 Depth Ft : Depth Fa: .
time since/to hi: -299 lo: +78 Surface Temp (C): 1 1 . 9
Comments: Set #: Smart block:
Station #5 N. Drake Island Bottom: Hard ☐ Soft ☐ Unknown ☐

Dump # C 2 0 0 1 2 Date: 9 4 0 7 2 8 Time Instrument on 1 4 0 1
Cast #: c 0 6 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 4 2 1 9 4 8 UTMY: 6 5 1 3 6 9 5 Time of Position 1 4 0 3 1 6
hi height: 473cm lo height: 49cm
Depth m: 2 9 5 . 0 Depth Ft : Depth Fa: .
time since/to hi: -253 lo: +127 Surface Temp (C): 7 . 3
Comments: Set #: Smart block:
Station #6 Hugh Miller Inlet Bottom: Hard ☐ Soft ☐ Unknown

Dump # C 2 0 0 1 2 Date: 9 4 0 7 2 8 Time Instrument on 1 4 5 7
Cast #: c 0 7 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 4 1 4 9 8 8 UTMY: 6 5 1 9 7 5 9 Time of Position 1 4 5 9 0 9
hi height: 473cm lo height: 49cm
Depth m: 4 2 0 . 0 Depth Ft : Depth Fa: .
time since/to hi: -197 lo: +183 Surface Temp (C): 6 . 9
Comments: Set #: Smart block:
Station #7 Blue Mouse Cove Bottom: Hard ☐ Soft ☐ Unknown

Dump # C 2 0 0 1 2 Date: 9 4 0 7 2 8 Time Instrument on 1 5 5 6
Cast #: c 0 8 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 4 0 8 2 9 3 UTMY: 6 5 2 5 8 1 9 Time of Position 1 5 5 8 1 0
hi height: 473cm lo height: 49cm
Depth m: 4 2 6 . 0 Depth Ft : Depth Fa: .
time since/to hi: -138 lo: +242 Surface Temp (C): 5 . 9
Comments: Set #: Smart block:
Station #8 Reynolds Inlet Bottom: Hard ☐ Soft ☐ Unknown

Dump # C 2 0 0 1 2 Date: 9 4 0 7 2 8 Time Instrument on 1 6 4 7
Cast #: c 0 9 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 4 0 0 0 2 7 UTMY: 6 5 2 9 6 3 4 Time of Position 1 6 4 9 1 6
hi height: 473cm lo height: 49
Depth m: 3 8 1 . 0 Depth Ft : Depth Fa: .
time since/to hi: -87 ~~hi: 293~~ forgot to lo: +293 Surface Temp (C): 6 . 9
Comments: Set #: Smart
Station #9 Russell Island Bottom: Hard ☐ Soft ☐ Unknown



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CTD Samples

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

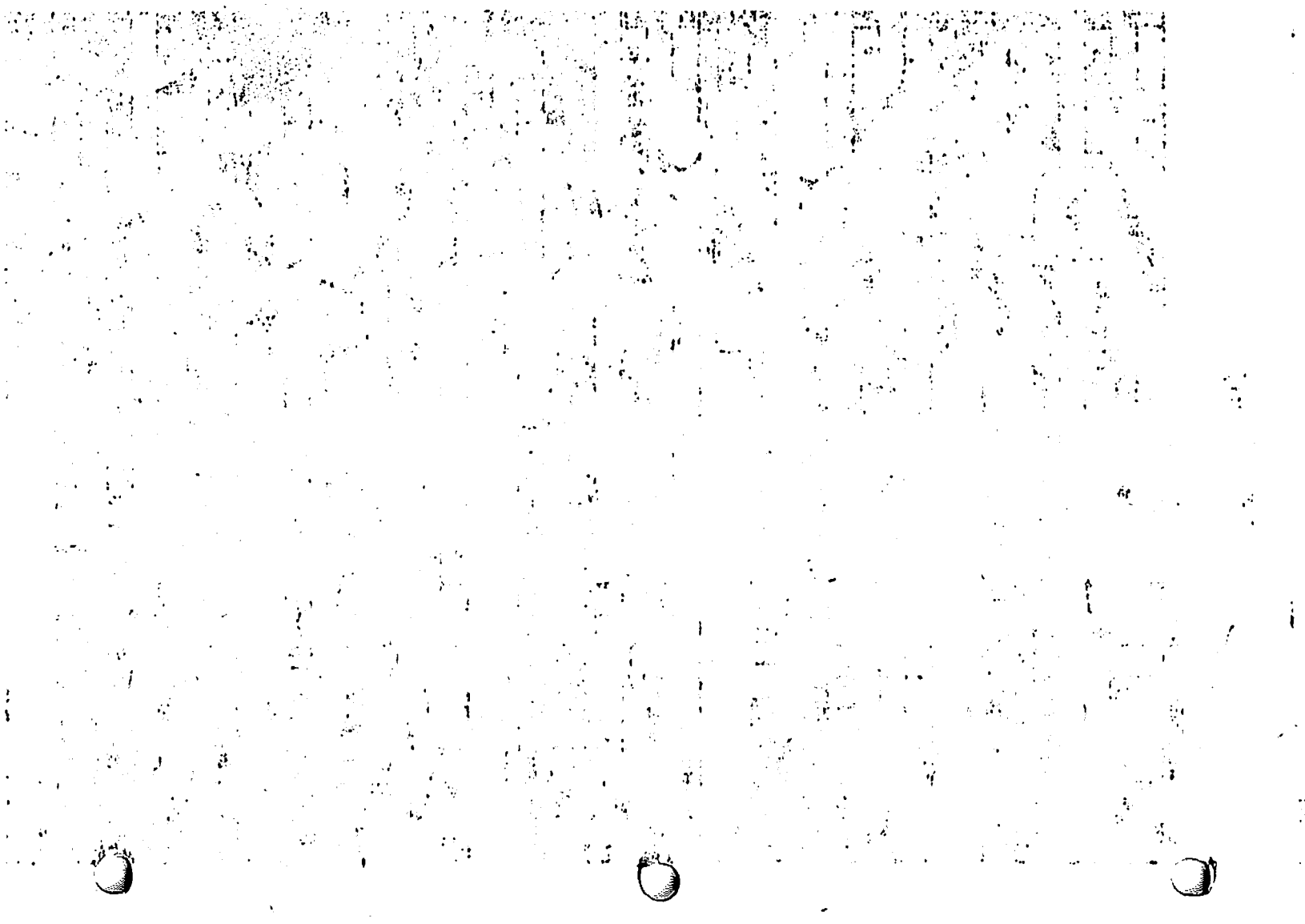
Dump # C 2 0 0 1 2 Date: 9 4 0 7 2 8 Time Instrument on 1 7 2 7
Cast #: c 1 0 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 3 9 4 0 9 0 UTMY: 6 5 3 0 0 3 3 Time of Position 1 7 2 9 1 8
hiheight: 473cm loheight: 49
Depth m: 3 8 3 . 0 Depth Ft : Depth Fa: .
time since /to hi: -47 lo: +333 Surface Temp (C): 4 . 4
Comments: Set #:
Station #10 S. Russell Bottom: Hard ☐ Soft ☐ Unknown ☐

Dump # C 2 0 0 1 2 Date: 9 4 0 7 2 8 Time Instrument on 1 8 1 7
Cast #: c 1 1 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 3 8 9 8 5 0 UTMY: 6 5 3 8 2 3 0 Time of Position 1 8 2 0 0 7
hiheight: 473cm loheight: 78cm
Depth m: 3 4 2 . 0 Depth Ft : Depth Fa: .
time since /to hi: +3 lo: -379 Surface Temp (C): 4 . 3
Comments: Set #:
Station # 11 Jan Inlet Bottom: Hard ☐ Soft ☐ Unknown ☐

Dump # C 2 0 0 1 2 Date: 9 4 0 7 2 8 Time Instrument on 1 9 0 7
Cast #: c 1 2 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 3 8 4 1 0 2 UTMY: 6 5 4 5 2 7 5 Time of Position 1 9 0 9 3 2
hiheight: 473cm loheight: 78cm
Depth m: 2 8 9 . 0 Depth Ft : Depth Fa: .
time since /to hi: +53 lo: -329 Surface Temp (C): 2 . 7
Comments: Set #:
Station #12 Head of Jan Bottom: Hard ☐ Soft ☐ Unknown ☐

Dump # C C 0 0 1 2 Date: 9 4 0 7 2 9 Time Instrument on 0 9 2 0
Cast #: c 1 3 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 4 3 5 4 9 1 UTMY: 6 5 1 0 3 8 2 Time of Position 0 9 2 5 0 5
hiheight: 381cm loheight: 95cm
Depth m: 1 4 2 . Depth Ft : Depth Fa: .
time since /to hi: +174 lo: -193 Surface Temp (C): 6 . 9
Comments: Set #:
Station # 13 Tlingit Pt Bottom: Hard ☐ Soft ☐ Unknown ☐

Dump # C 2 0 0 1 2 Date: 9 4 0 7 2 8 Time Instrument on 0 9 5 8 . 3 0
Cast #: c 1 4 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 4 3 5 9 0 7 UTMY: 6 5 1 7 0 5 5 Time of Position 1 0 0 0 4 0
76.4 hiheight: 396 cm loheight: 95cm
Depth m: 1 4 2 . Depth Ft : Depth Fa: .
time since /to hi: +207 lo: -158 Surface Temp (C): 7 . 0
Comments: Set #:
Station # 14 Muir Sill Bottom: Hard ☐ Soft ☐ Unknown ☐



✓ RS 2/15 ✓

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Name: Hooge, Bishop, Sherman

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CTD Samples

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

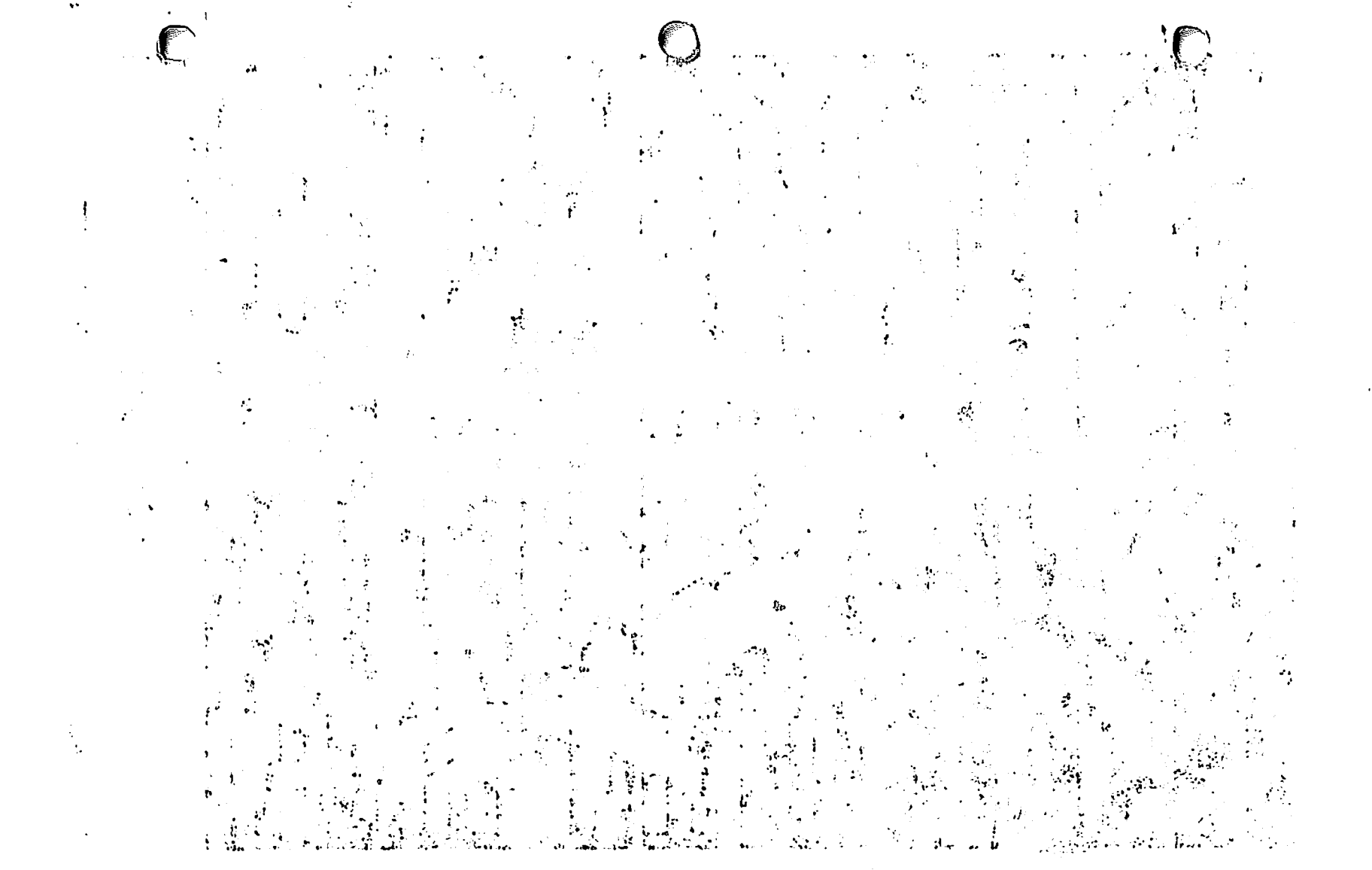
Dump # C 20012 Date: 94 07 29 Time Instrument on 10 17 24
Cast #: c 15 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 436121 UTMY: 6519736 Time of Position 102040
hi height: 396 cm lo height: 95 cm
Depth m: 116. Depth Ft: Depth Fa:
time since/to hi: +226 lo: -139 Surface Temp (C): 6.9
Comments: Set #:
Station 15 Muir ~~Sill~~ Pt
Bottom: Hard ☐ Soft ☐ Unknown ☐

Dump # C 20012 Date: 94 07 29 Time Instrument on 11 19 30
Cast #: c 16 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 436960 UTMY: 6528618 Time of Position 112155
hi height: 396 cm lo height: 95 cm
Depth m: 311. Depth Ft: Depth Fa:
time since/to hi: +288 lo: -77 Surface Temp (C): 8.2
Comments: Set #:
Station 16 Hunter Cove
Bottom: Hard ☐ Soft ☐ Unknown

Dump # C 20012 Date: 94 07 29 Time Instrument on 12 07 52
Cast #: c 17 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 434703 UTMY: 6537587 Time of Position 121010
hi height: 396 cm lo height: 95 cm
Depth m: 208. Depth Ft: Depth Fa:
time since/to hi: +336 lo: -29 Surface Temp (C): 5.5
Comments: Set #:
Station 17: Westdahl Point
Bottom: Hard ☐ Soft ☐ Unknown

Dump # C 20012 Date: 94 07 29 Time Instrument on 12 51 20
Cast #: c 18 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 432023 UTMY: 6545981 Time of Position 125412
hi height: 450 cm lo height: 95 cm
Depth m: 213. Depth Ft: Depth Fa: 4.4
time since/to hi: -366 lo: +15 Surface Temp (C): ~~5.5~~
Comments: Set #: McBride
Station 18: ~~White Thunder Ridge~~
Bottom: Hard ☐ Soft ☐ Unknown

Dump # C 20012 Date: 94 07 29 Time Instrument on 13 38 00
Cast #: c 19 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 423437 UTMY: 6548480 Time of Position 134020
hi height: 450 cm lo height: 95 cm
Depth m: 203. Depth Ft: Depth Fa:
time since/to hi: -319 lo: +62 Surface Temp (C): 3.3
Comments: Set #:
Station 19: ~~Muir~~ muir inlet
Bottom: Hard ☐ Soft ☐ Unknown



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94 Name: Hooge, Bishop, Shorner Page: _____

CTD Samples

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

Dump # C 20013 Date: 940729 Time Instrument on 135910
Cast #: c 20 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 421439 UTMY: 6550195 Time of Position 140140
hi height: 450cm lo height: 95cm
Depth m: 189 Depth Ft: Depth Fa: Surface Temp (C): 3.0
time since hi: -298 lo: +83
Comments: Set #: Head of Station 20: end main inlet
Bottom: Hard ☐ Soft ☐ Unknown

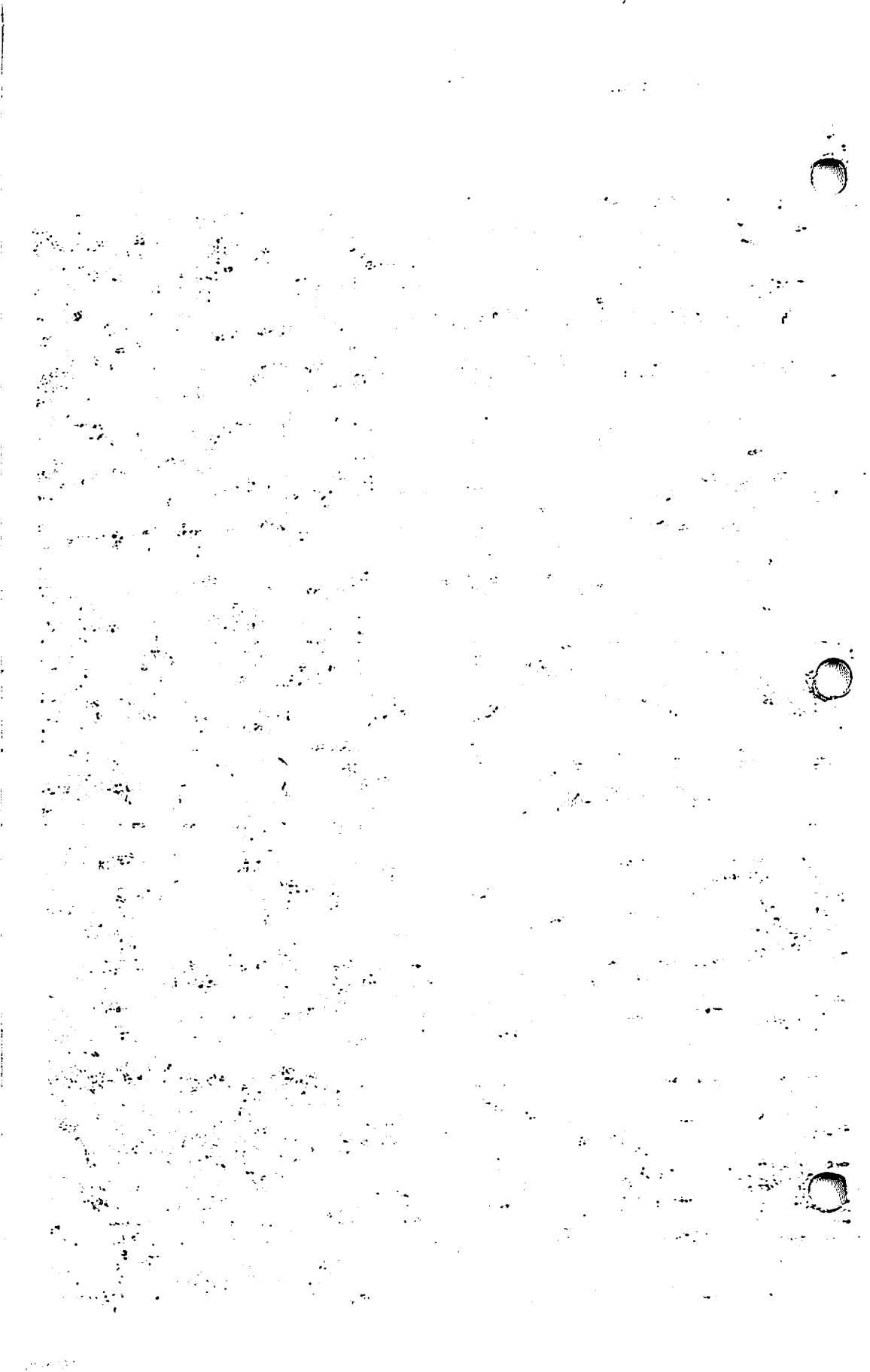
Dump # C Date: 94 Time Instrument on
Cast #: c Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: UTMY: Time of Position
Depth m: Depth Ft: Depth Fa: Surface Temp (C):
Comments: Set #:
Bottom: Hard ☐ Soft ☐ Unknown

Dump # C Date: 94 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: 94 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: 94 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: 94 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



✓RS 4/15✓

Name: Chilton

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CTD Samples

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

Dump # C 1 0 0 1 4 Date: 94 0 8 2 3 Time Instrument on 1 5 1 2
Cast #: c 0 0 Other Sampling:
wpt 351 Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 4 3 6 3 7 5 UTMY: 6 4 8 3 2 0 2 Time of Position 1 5 1 3 2 5
Depth m: ☐ Depth Ft: ☐ Depth Fa: 10.2
Surface Temp (C): ☐
Comments: Set #: .528 Nm N of Bay c Rush Pt.
Bottom: Hard ☐ Soft ☐ Unknown ☒

Dump # C 1 0 0 1 4 Date: 94 0 8 2 3 Time Instrument on 1 5 5 5
Cast #: c 0 1 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 4 3 7 1 9 4 UTMY: 6 4 8 2 6 0 5 Time of Position 1 5 5 5 5 4
Depth m: ☐ Depth Ft: ☐ Depth Fa: 16.7
352
Surface Temp (C): ☐
Comments: Set #: Not A good cast .28 Nm from Rush Pt c 180° East
Bottom: Hard ☐ Soft ☐ Unknown ☒

Dump # C 1 0 0 1 4 Date: 94 2 4 0 8 Time Instrument on 1 0 4 4
Cast #: c 0 2 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 4 4 1 9 5 0 UTMY: 6 4 8 1 8 7 5 Time of Position 1 0 4 5 0 0
Depth m: ☐ Depth Ft: ☐ Depth Fa: 10.3
Surface Temp (C): ☐
Comments: Set #: Pulled up Sediment w/ Cage wpt # 353 Yng Island bouy Sand no mud
Bottom: Hard ☐ Soft ☒ Unknown ☒

Dump # C 1 0 0 1 4 Date: 94 0 8 2 4 Time Instrument on 1 1 1 3
Cast #: c 0 3 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 4 4 1 4 6 4 UTMY: 6 4 8 2 8 3 6 Time of Position 1 1 1 7 0 0
Depth m: ☐ Depth Ft: ☐ Depth Fa: 6.0
Surface Temp (C): ☐
Comments: Set #: wpt # 354 Roe bottom
Bottom: Hard ☐ Soft ☐ Unknown ☒

Dump # C 1 0 0 1 4 Date: 94 0 8 2 4 Time Instrument on 1 2 1 9
Cast #: c 0 5 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 4 3 7 0 4 2 UTMY: 6 4 8 2 2 9 8 Time of Position 1 2 1 5 . 0
Depth m: ☐ Depth Ft: ☐ Depth Fa: 11.0
Surface Temp (C): ☐
Comments: Set #: ~~# 356~~ no wpt Near Rush pt Bouy
Bottom: Hard ☐ Soft ☐ Unknown ☒

#4 is not written down because no wpt bacchin was made etc

there is no C1001406
Same reason →

VAS 1/15 ✓

Name: Clifton

Page: ____

CTD Samples

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

Dump # C 00014 Date: 94 08 24 Time Instrument on 1315
Cast #: 007 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 446601 UTMY: 6473719 Time of Position 131600
Depth m: ____ Depth Ft: ____ Depth Fa: 8.0
Surface Temp (C): ____
Comments: Set #: 357 N of Gustavus pt. Bay
Bottom: Hard ☐ Soft ☐ Unknown ☒

Dump # C 00014 Date: 94 08 24 Time Instrument on 1340
Cast #: 008 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 446422 UTMY: 6473314 Time of Position 134100
Depth m: ____ Depth Ft: ____ Depth Fa: 15.5
Surface Temp (C): ____
Comments: Set #: 358 N. Gustavus bay spot
Bottom: Hard ☐ Soft ☒ Unknown ☒

Dump # C 00014 Date: 94 08 24 Time Instrument on 1401
Cast #: 009 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 443716 UTMY: 6474807 Time of Position 140238
Depth m: ____ Depth Ft: ____ Depth Fa: 39.0
Surface Temp (C): ____
Comments: Set #: 359 m
Bottom: Hard ☐ Soft ☐ Unknown ☒

Dump # C ____ Date: 94 ____ 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: 94 ____ 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

VRS 7/15 ✓

Name: BISHOP, SHARMAN, HOOGE Page: _____

CTD Samples

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

dump time 1 hr. off - RS

Dump # C 200113 Date: 94 08 12 Time Instrument on 0822
Cast #: c 00 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 448430 UTMY: 6465062 Time of Position 082538
hi height: 339cm lo height: 26cm
Depth m: 528 Depth Ft: Depth Fa: Surface Temp (C): 7.5
time since/to hi: +203 lo: -158
Comments: Set #: Station #0. Icy Strait WPT #1
Bottom: Hard ☐ Soft ☐ Unknown ☐

Dump # C 200113 Date: 94 08 12 Time Instrument on 0912
Cast #: c 01 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 441### UTMY: 647443 Time of Position
hi height: 416 cm lo height: 16 cm
Depth m: 60.3 Depth Ft: Depth Fa: Surface Temp (C): 6.9
time since/to hi: +237 lo: -124
Comments: Set #: Station #1, Mth GLBA WPT #2
Bottom: Hard ☐ Soft ☐ Unknown ☐

Dump # C 200113 Date: 94 08 12 Time Instrument on 1039
Cast #: c 02 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 438669 UTMY: 6483401 Time of Position
hi height: 416 cm lo height: 16cm
Depth m: 88.5 Depth Ft: Depth Fa: Surface Temp (C): 8.6
time since/to hi: +324 lo: -37
Comments: Set #: Station #2. S. Takeaday WPT #3
Bottom: Hard ☐ Soft ☐ Unknown ☐

Dump # C 200119 Date: 94 08 12 Time Instrument on 1120
Cast #: c 03 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 438114 UTMY: 6492575 Time of Position
hi height: 458cm lo height: 19cm
Depth m: 108. Depth Ft: Depth Fa: Surface Temp (C): 9.8
time since/to hi: +351 lo: -20
Comments: Set #: Station #3, S. Willoughby WPT #4
Bottom: Hard ☐ Soft ☐ Unknown ☐

Dump # C 200113 Date: 94 08 12 Time Instrument on 1200
Cast #: c 04 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 435288 UTMY: 6501539 Time of Position
hi height: 520 cm lo height: 19 cm
Depth m: 298. Depth Ft: Depth Fa: Surface Temp (C): 9.6
time since/to hi: -347 lo: +20
Comments: Set #: Station #4, S. Bridge WPT #05
Bottom: Hard ☐ Soft ☐ Unknown ☐

✓ RS 4/15 ✓

Name: SHARMAN, HOOGE, BISHOP

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CTD Samples

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

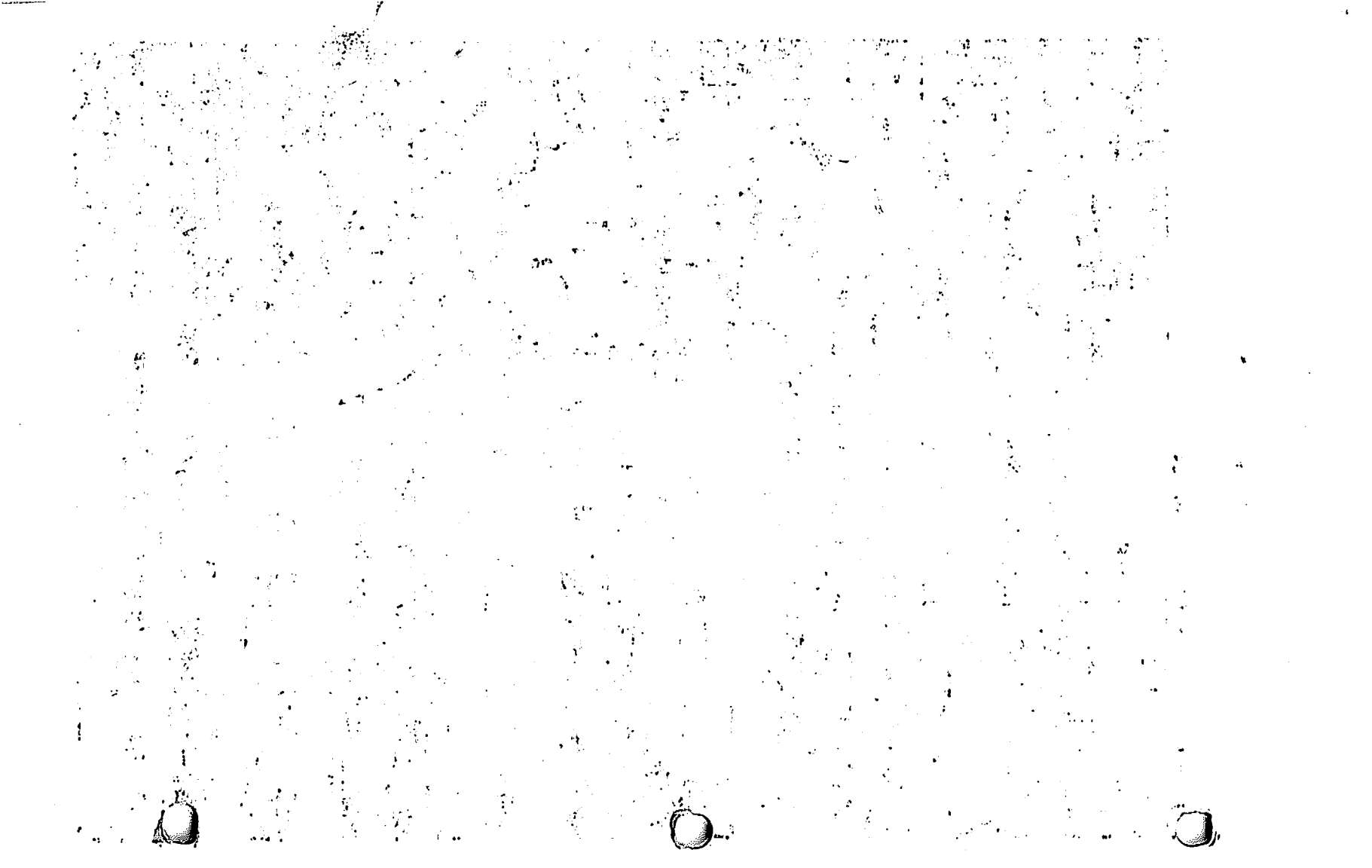
Dump # C 20013 Date: 94 08 12 Time Instrument on 1244
Cast #: c 05 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 428575 UTMY: 6507543 Time of Position
hi height: 520cm lo height: 19cm
Depth m: 354. Depth Ft: Depth Fa:
time since / to hi: -303 lo: +64 Surface Temp (C): 7.6
Comments: ~~Set #:~~ Station #5, N. Drake
WPT #6
Bottom: Hard ☐ Soft ☐ Unknown ☐

Dump # C 20013 Date: 94 08 12 Time Instrument on 1326
Cast #: c 06 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 421731 UTMY: 6513714 Time of Position
hi height: 535cm lo height: 19cm
Depth m: 300. Depth Ft: Depth Fa:
time since / to hi: -265 lo: +105 Surface Temp (C): 8.9
Comments: ~~Set #:~~ Station #6 Hugh Miller
WPT #7
Bottom: Hard ☐ Soft ☐ Unknown

Dump # C 20013 Date: 94 08 12 Time Instrument on 1546
Cast #: c 07 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 415024 UTMY: 6519602 Time of Position
hi height: 535cm lo height: 19cm
Depth m: 419. Depth Ft: Depth Fa:
time since / to hi: -125 lo: +245 Surface Temp (C): 8.5
Comments: ~~Set #:~~ Station #7 Blue Mouse
WPT #8
Bottom: Hard ☐ Soft ☐ Unknown

Dump # C 20013 Date: 94 08 12 Time Instrument on 1636
Cast #: c 08 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 408135 UTMY: 6525898 Time of Position
hi height: 535cm lo height: 19cm
Depth m: 427. Depth Ft: Depth Fa:
time since / to hi: -75 lo: +295 Surface Temp (C): 8.1
Comments: ~~Set #:~~ Station #8 Rendu Inlet
WPT #9
Bottom: Hard ☐ Soft ☐ Unknown

Dump # C 20013 Date: 94 08 12 Time Instrument on 1724
Cast #: c 09 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 400010 UTMY: 6529813 Time of Position
hi height: 535cm lo height: 19cm
Depth m: 379. Depth Ft: Depth Fa:
time since / to hi: -27 lo: ~~[illegible]~~ Surface Temp (C): 9.1
Comments: ~~Set #:~~ Station #9 Russell +343
WPT #10
Bottom: Hard ☐ Soft ☐ Unknown



VRS 2/15

Name: HODGE, BISHOP, SHARMAN Page: ____

CTD Samples

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

Dump # C 2 0 0 1 3 Date: 9 4 0 8 1 2 Time Instrument on 1 8 0 1
Cast #: c 1 0 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 3 9 4 1 1 1 UTMY: 6 5 3 0 0 4 4 Time of Position
hi height: 535cm lo height: 12cm
Depth m: 3 8 4 . Depth Ft : Depth Fa: .
time since lo hi: +10 lo: -385 Surface Temp (C): 6 . 3
Comments: ~~Set #:~~ Station # 10 Russell WPT # 11
Bottom: Hard ☐ Soft ☐ Unknown ☐

Dump # C 2 0 0 1 3 Date: 9 4 0 8 1 2 Time Instrument on 1 8 4 9
Cast #: c 1 1 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 3 8 9 8 0 1 UTMY: 6 5 3 8 2 3 5 Time of Position
hi height: 535cm lo height: 12cm
Depth m: 3 4 2 . Depth Ft : Depth Fa: .
time since lo hi: +58 lo: -337 Surface Temp (C): 6 . 1
Comments: ~~Set #:~~ Station # 11 Tarr Inlet WPT # 12
Bottom: Hard ☐ Soft ☐ Unknown ☐

Dump # C 2 0 0 1 3 Date: 9 4 0 8 1 2 Time Instrument on 1 9 3 7
Cast #: c 1 2 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 3 8 4 1 2 4 UTMY: 6 5 4 5 2 5 1 Time of Position
hi height: 535cm lo height: 12cm
Depth m: 2 9 1 . Depth Ft : Depth Fa: .
time since lo hi: +106 lo: -289 Surface Temp (C): 3 . 6
Comments: ~~Set #:~~ Station # 12 Head of Tarr Inlet WPT # 13
Bottom: Hard ☐ Soft ☐ Unknown ☐

Dump # C 2 0 0 1 3 Date: 9 4 0 8 1 3 Time Instrument on 1 0 0 2
Cast #: c 1 3 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 4 3 5 5 3 9 UTMY: 6 5 1 0 4 5 2 Time of Position
hi height: 416 cm lo height: 67 cm
Depth m: 1 4 3 . Depth Ft : Depth Fa: .
time since lo hi: +217 lo: -148 Surface Temp (C): 7 . 8
Comments: ~~Set #:~~ Station # 13 Tlingit Pt WPT # 14
Bottom: Hard ☐ Soft ☐ Unknown ☐

Dump # C 2 0 0 1 3 Date: 9 4 0 8 1 3 Time Instrument on 1 0 3 6
Cast #: c 1 4 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 4 3 5 8 9 1 UTMY: 6 5 1 7 1 2 2 Time of Position
hi height: 431 cm lo height: 67 cm
Depth m: 1 7 8 . 6 Depth Ft : Depth Fa: .
time since lo hi: +246 lo: -117 Surface Temp (C): 8 . 5
Comments: ~~Set #:~~ Station # 14 Muir Sill WPT # 15
Bottom: Hard ☐ Soft ☐ Unknown ☐

✓ RS 7/15 ✓

Name: Hooge, Bishop, Sherman

Page: _____

CTD Samples

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

Dump # C 20013 Date: 94 08 13 Time Instrument on 1053 05
Cast #: c 15 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 436274 UTMY: 6519779 Time of Position
hi height: 431cm lo height: 67cm
Depth m: 107 Depth Ft: Depth Fa:
time since/to hi: +263 lo: -100 Surface Temp (C): 9.0
Comments: Set #: Station 15
WPT #16 ~~Gooding~~ ~~Stand~~ Muir Point
Bottom: Hard ☐ Soft ☐ Unknown ☐

Dump # C 20013 Date: 94 08 13 Time Instrument on ~~1030~~ 11:30
Cast #: c 16 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 437041 UTMY: 6528682 Time of Position
hi height: 431cm lo height: 67cm
Depth m: 312 Depth Ft: Depth Fa:
time since/to hi: +300 lo: -63 Surface Temp (C): ~~8~~ 8.5°C
Comments: Set #: Station 16
WPT #17 Hunter Cove
Bottom: Hard ☐ Soft ☐ Unknown

Dump # C 20013 Date: 94 08 13 Time Instrument on 1214
Cast #: c 17 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 434671 UTMY: 6537607 Time of Position
hi height: 431cm lo height: 67cm
Depth m: 197 Depth Ft: Depth Fa:
time since/to hi: +344 lo: -19 Surface Temp (C): 6.1
Comments: Set #: Station 17
WPT #18
Bottom: Hard ☐ Soft ☐ Unknown

Dump # C 20013 Date: 94 08 13 Time Instrument on 1257 20
Cast #: c 18 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 432016 UTMY: 6545978 Time of Position
hi height: 513cm lo height: 67cm
Depth m: 213 Depth Ft: Depth Fa:
time since/to hi: -347 lo: +24 Surface Temp (C): 4.7
Comments: Set #: Station 18
WPT #19 White Thunder Ridge
Bottom: Hard ☐ Soft ☐ Unknown

Dump # C 20013 Date: 94 08 13 Time Instrument on 1339
Cast #: c 19 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 423345 UTMY: 6548597 Time of Position
hi height: 513 cm lo height: 67
Depth m: 221 Depth Ft: Depth Fa:
time since/to hi: -305 lo: +66 Surface Temp (C): 6.3
Comments: Set #: Station 19
WPT #20 Muir Inlet
Bottom: Hard ☐ Soft ☐ Unknown

Name: BISHOP, SHARMAN, HODGE Page: _____

CTD Samples

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

Dump # C 20013 Date: 94 08 13 Time Instrument on 1358
Cast #: c 20 Other Sampling:
Sonic ☐ Bottom ☐ Trawl ☐ Longline ☐ Zone: 8
UTMX: 482507 UTMY: 6550265 Time of Position
hi height: 513cm lo height: 67cm
Depth m: 182. Depth Ft: Depth Fa: Surface Temp (C): 7.8
time since/to hi: -286 lo: +145
Comments: Set #: Station 20 End Muir Inlet. WPT 21
Bottom: Hard ☐ Soft ☐ Unknown

Dump # C Date: 94 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: 94 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: 94 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: 94 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

1993

Glacier Bay National Park

BISHOP

July 2

Sta	Time	0	2	4	6	8	10	12	14	16	18	20
~~0~~	~~0922~~											
~~0~~	~~0922~~	0	2	4	6	8	10	12	14	16	18	20
~~0~~	~~0922~~	1200	350		150		50					
0	0922	1200	450	280	~~180~~	105	~~61~~	26	18	9.8	6.0	2.5
1	1020	550	245	135	75	44	27	16.5	11.0	7.0	4.0	6.0
2	1109	700	250	370	180	110	67	40	22	13	7	3.5
				Sum								
3	1141	1400	600	300	165	94	53	31	19	12	7	5.0
4	1250	1400	520	225	105	57	34	20	12.5	8.2	5.8	4.3
5	1335	1400	470	145	61	34	20.5	13.5	9.5	6.9	6.2	4.2
6	1445	1400	600	260	97	55	32	19.5	15.0	12	9.3	7.0
7	1534	1300	335	130	59	31	18	11.5	7.6	4.8	3.6	2.8
8	1643	1050	250	69	21.5	7.2	3.3	1.65	1.0	0.65	0.45	0.35
9	1730	900	275	70	35	14.0	6.2	5.2	3.8	2.8	1.8	1.3
10	1830	650	55	16.5	8.2	4.1	2.0	1.05	0.6	0.4		
11	1910	470	190	85	37	17	10.5	6.8	9.7	3.3	2.3	1.8
		Depth	1m	2	3	4	5	6	7	8	9	10
11 cont			1.4	1.15	.95	.75	0.6	0.5				
		Depth	11m	12	13	14	15	16	17	18		
12 20		Depth	1m	2	3	4	5	6	7	8	9	10
		180	6.5	0.1	0.0							
12 cont			11	12	13	14	15	16	17	18	19	20

J L DARLING CORP. TACOMA, WA 98421
(206) 383-1714 - FAX (206) 383-1722

1993

Bishop

Irradiance

Glacier Bay Nat'l Pk

July 2 — µ Einsteins at depth in meters

Station	Time	0	2	4	6	8	10	12	14	16	18	20
13	1034	540	215	110	59	36	22.2	15	10.5	7.5	5.4	3.7
14	1130	520	150	63	26	11.6	6.0	3.6	2.1	1.3	0.9	06
15	1150	420	160	56	20	10.5	5.1	2.6	1.4	0.7	0.45	—
16	1250	620	175	71	33	17	9.6	5.9	3.8	2.5	1.7	1.2
17	1335	620	130	54	31	18.5	12.5	8.6	6.4	4.6	3.3	2.5
18	1450	550	110	17.5	4.9	2.5	1.55	1.05	0.8	0.6		
19	1525	380	80	0.6	0.1							
20	1610	100	0.05									

Depth: 0 1 2 3 4 5 6 7 8

1993 Irradiance

BISHOP Glacier Bay Natl Park

~~July~~ Aug 3 Microeinsteins

Station	Time	Depth	0	2	4	6	8	10	12	14	16	18	20
0	0903	~~800~~ 900	260	97	48	20.5	8.7	5.4	2.6	1.3	0.7	0.4	
1	1028	1000	400	170	81	43	10.9	9.8	5.5	2.75	1.45	0.8	
2	1127	1200	600	255	150	69	37	21.0	12.5	7.0	4.4	2.35	
3	1200	1150	450	250	140	72	43	21.0	12.5	7.2	4.6	2.6	
4	1303	1300	470	180	78	~~55~~ 43	25	14.5	7.3	4.4	3.2	2.0	
5	1349	1200	490	220	82	28	17	11.5	7.3	5.2	3.5	2.6	
6	1500	1200	420	135	55	27	15	10.0	6.2	4.4	3.4	2.1	
7	1542	1160	255	92	33	7.1	2.5	1.3	0.95	0.75	0.5	0.4	
8	1641	850	205	64	23.5	9.0	3.9	2.3	1.5	1.15	1.0	0.8	
9	1742	650	215	76	0.65	0.6	0.3	0.25					
10	1840	470	54	15	5.4	2.1	0.8	0.3	0.3				
11	1928	320	37	6.6	1.5	0.7	0.35	0.2					
12	2030	~~35~~											

Depth-med	0	1	2	3
Irrad med	35	2.6	0.4	0.05

~~13~~		~~705~~											
13	1605	740	290	150	79	46	26.5	16.0	10.5	6.4	4.3	3.0	
14	1138	780	230	96	54	34	23	16.5	11.5	7.7	5.4	3.7	
15	1212	1200	280	38	9.5	3.8	1.65	0.9	0.6				
16	1256	1350	360	120	59	33.0	20.5	14.5	11.0	8.1	6.8	4.1	
17	1400	1350	440	150	80	53	39	25.0	18	13.5	11	8.0	
18	1451	1100	190	40	11	3.9	1.85	0.85	0.4	0.2			
19	1550	400											

~~20~~		0	1	2	3	4	5					
		900	60	8	1.3	0.25	0.1					
20		135	0.1	0.0								

J. L. DARLING CORP. TACOMA, WA 98421 (206) 383-1714 - FAX (206) 383-1722