OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

Waypoint Datum: WGS84

Arimitsu

Logbook Page:

Cast Name: C1015800 (CTD id / Dump # / Cast #)

Date: 20060302 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 22:47 AKST or AKDT

Lat: (decimal degrees) 58.32595 (°,',"):

Lon: (decimal degrees) 135.87190 (°,',"):

Time GPS position: :

Depth: (m) 53

CTD dropped to (m): 40m

Station# 00

WP# 136

Comments: new line became tangled on the way out - short profile

Location: Icy Strait

Tide Low height: -52 Time since Low: 107

Tide High height: 538 Time since High: -270

Sampling: Oceanography Sonic Bottom Dive Other:

Tide Station: Bartlett

Cast Name: C1015801 (CTD id / Dump # / Cast #)

Date: 20060302 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): : AKST or AKDT

Lat: (decimal degrees) 58.41256 (°,',"):

Lon: (decimal degrees) 135.99511 (°,',"):

Time GPS position: 23:46

Depth: (m) 63

CTD dropped to (m): 60

Station# 01

WP# ~~[illegible]~~

Comments: didn't mark wypt properly - use default

Location: Mouth of Glacier Bay

Tide Low height: -52 Time since Low: 166

Tide High height: 538 Time since High: -211

Sampling: Oceanography Sonic Bottom Dive Other:

Tide Station: Bartlett

Cast Name: C1015802 (CTD id / Dump # / Cast #)

Date: 20060303 (Y Y Y Y M M D D)

Time CTD on (24 hr clock): 00:19 AKST or AKDT

Lat: (decimal degrees) 58.49006 (°,',"):

Lon: (decimal degrees) 136.05178 (°,',"):

Time GPS position: :

Depth: (m) 93

CTD dropped to (m): 90

Station# 002

WP#

Comments: use default - problem w/ GPS

Location: Sitakaday Narrows

Tide Low height: -52 Time since Low: 259

Tide High height: 538 Time since High: -178

Sampling: Oceanography Sonic Bottom Dive Other:

Tide Station: Bartlett

OCEANOGRAPHY SURVEY
Glacier Bay National Park & Preserve, Alaska

Waypoint Datum: WGS84

Name: Arimitsu

Logbook Page: 2

Cast Name: C1015~~8~~6 03 (CTD id / Dump # / Cast #)

Date: 2006 03 03 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 9:16 AKST or AKDT

Lat: (decimal degrees) 58.57116 (°,',"):

Lon: (decimal degrees) 136.06540 (°,',"):

Time GPS position: :

Depth: (m) 112

CTD dropped to (m): 100

Station# 003

WP# 137

Comments:

Location: SE of Willoughby Island

Tide Low height: -65 Time since Low: -41

Tide High height: 501 Time since High: +341

Sampling: Oceanography Sonic Bottom Dive Other:

Tide Station: Willoughby

Cast Name: C1015~~8~~6 04 (CTD id / Dump # / Cast #)

Date: 2006 03 03 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 10:16 AKST or AKDT

Lat: (decimal degrees) 58.65000 (°,',"):

Lon: (decimal degrees) 136.11481 (°,',"):

Time GPS position: :

Depth: (m) 289

CTD dropped to (m): 280

Station# 004

WP# 138

Comments:

Location: N of Drake, N of Marble

Tide Low height: -65 Time since Low: 19

Tide High height: 580 Time since High: -341

Sampling: Oceanography Sonic Bottom Dive Other:

Tide Station: Willoughby

Cast Name: C1015~~8~~6 05 (CTD id / Dump # / Cast #)

Date: 2006 03 03 (Y Y Y Y M M D D)

Time CTD on (24 hr clock): 11:14 AKST or AKDT

Lat: (decimal degrees) 58.70417 (°,',"):

Lon: (decimal degrees) 136.23474 (°,',"):

Time GPS position: :

Depth: (m) 386

CTD dropped to (m): 310

Station# 005

WP# 139

Comments: dropped deeper to properly coil line

Location: Between N Drake, SW [illegible]

Tide Low height: -65 Time since Low: 77

Tide High height: 580 Time since High: -283

Sampling: Oceanography Sonic Bottom Dive Other:

Tide Station:

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: WGS84

Name: Armitson

Logbook Page: 3

Cast Name: C1015~~5~~06 (CTD id / Dump # / Cast #)	Date: 20060303 (Y Y Y Y M M D D)	Time CTD on (24-hr clock): 12:11 AKST or AKDT
Lat: (decimal degrees) 58.65850 (",","):	Lon: (decimal degrees) 136.36589 (",","):	Time GPS position: :
Depth: (m) 155	CTD dropped to (m): 150	Station# 022 / WP# 140
Comments:		Location: Entrance to Geikie

Tide Low height: -65 Time since Low: +134 Tide High height: 580 Time since High: -226

Sampling: Oceanography Sonic Bottom Dive Other : Tide Station: Willoughby

Cast Name: C1015~~5~~07 (CTD id / Dump # / Cast #)	Date: 20060303 (Y Y Y Y M M D D)	Time CTD on (24-hr clock): 13:11 AKST or AKDT
Lat: (decimal degrees) 58.59811 (",","):	Lon: (decimal degrees) 136.50630 (",","):	Time GPS position: :
Depth: (m) 66	CTD dropped to (m): 60	Station# 023 / WP# 141
Comments:		Location: Head of Geikie

Tide Low height: -65 Time since Low: 194 Tide High height: 580 Time since High: -166

Sampling: Oceanography Sonic Bottom Dive Other : Tide Station: Willoughby

Cast Name: C1015~~5~~08 (CTD id / Dump # / Cast #)	Date: 20060303 (Y Y Y Y M M D D)	Time CTD on (24 hr clock): 15:47 AKST or AKDT
Lat: (decimal degrees) 58.73249 (",","):	Lon: (decimal degrees) 136.11441 (",","):	Time GPS position: :
Depth: (m) 146	CTD dropped to (m): 140	Station# 013 / WP# 142
Comments:		Location: SE Tlingit Point, NW of Sturgess

-65, 347 576 -15

Muir

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

Waypoint Datum: WGS 84

Name: Arimitsu

Logbook Page: 4

Cast Name: C1015~~8~~09 (CTD id / Dump # / Cast #)

Date: 20060303 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 16:30 AKST or AKDT

Lat: (decimal degrees) 58.79082 (°,',"):

Lon: (decimal degrees) 136.10828 (°,',"):

Time GPS position: :

Depth: (m) 81

CTD dropped to (m): 70

Station# 014

WP# 143

Comments:

Location: Muir Sill

Tide Low height: 4 Time since Low: -336 Tide High height: 516 Time since High: 28

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station: Muir

Cast Name: C1015~~8~~10 (CTD id / Dump # / Cast #)

Date: 20060303 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 20:21 AKST or AKDT

Lat: (decimal degrees) 58.89527 (°,',"):

Lon: (decimal degrees) 136.09309 (°,',"):

Time GPS position: :

Depth: (m) 313

CTD dropped to (m): 300

Station# 016

WP# 144

Comments:

Location: E of Hunter Cove

Tide Low height: 4 Time since Low: -105 Tide High height: 516 Time since High: 259

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station: Muir

Cast Name: C1015~~8~~11 (CTD id / Dump # / Cast #)

Date: 20060303 (Y Y Y Y M M D D)

Time CTD on (24 hr clock): 21:22 AKST or AKDT

Lat: (decimal degrees) 58.97504 (°,',"):

Lon: (decimal degrees) 136.13678 (°,',"):

Time GPS position: :

Depth: (m) 190

CTD dropped to (m): 170

Station# 017

WP# 145

Comments:

Location: E of Westdahl Pt.

Tide Low height: 4 Time since Low: -44 Tide High height: 516 Time since High: +320

OCEANOGRAPHY SURVEY
Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: WGS 84

Na[illegible] Arimatsu

Logbook Page: 5

Cast Name: C1[illegible]12 (CTD id / Dump # / Cast #)	Date: 20060303 (Y Y Y Y M M D D)	Time CTD on (24-hr clock): 22:18 AKST or AKDT
Lat: (decimal degrees) 59.04998 (°,',"):	Lon: (decimal degrees) 136.18513 (°,',"):	Time GPS position: :
Depth: (m) 214	CTD dropped to (m): 200	Station# 018 / WP# 147
Comments:		Location: S of Riggs, NW of Mobile
Tide Low height: 4	Time since Low: 12	Tide High height: 568 Time since High: -356
Sampling: Oceanography Sonic Bottom Dive Other :		Tide Station:

Cast Name: C1[illegible]13 (CTD id / Dump # / Cast #)	Date: 20060303 (Y Y Y Y M M D D)	Time CTD on (24-hr clock): 23:14 AKST or AKDT
Lat: (decimal degrees) 59.07158 (°,',"):	Lon: (decimal degrees) 136.33392 (°,',"):	Time GPS position: :
Depth: (m) 220	CTD dropped to (m): 210	Station# 019 / WP# 148
Comments:		Location: Muir Inlet
Tide Low height: 4	Time since Low: 68	Tide High height: 568 Time since High: -300
Sampling: Oceanography Sonic Bottom Dive Other :		Tide Station: Muir

Cast Name: 0156 C1[illegible]14 (CTD id / Dump # / Cast #)	Date: 20060303 (Y Y Y Y M M D D)	Time CTD on (24 hr clock): 11:42 AKST or AKDT
Lat: (decimal degrees) 59.08602 (°,',"):	Lon: (decimal degrees) 136.37095 (°,',"):	Time GPS position: :
Depth: (m) 150	CTD dropped to (m): 140	Station# 020 / WP#
Comments: no wypt, use default		Location: Head of Muir
Tide Low height: 4	Time since Low: 96	Tide High height: 568 Time since High: -272
Sampling: Oceanography Sonic Bottom Dive Other :		Tide Station: Muir

OCEANOGRAPHY SURVEY
Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: WGS84

me: Arimitsu

Logbook Page: 6

Cast Name: C1 157 00 (CTD id / Dump # / Cast #)

Date: 20060305 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 8:16 AKST or AKDT

Lat: (decimal degrees) 58.75890 (°,',"):

Lon: (decimal degrees) 136.33943 (°,',"):

Time GPS position: :

Depth: (m) 288

CTD dropped to (m): 280

Station# 006

WP# 150

Comments:

Location: E of Hugh Miller

Tide Low height: 5 Time since Low: -201

Tide High height: 527 Time since High: 201

Sampling: Oceanography Sonic Bottom Dive Other:

Tide Station: Composite

Cast Name: C1 157 01 (CTD id / Dump # / Cast #)

Date: 20060305 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 9:28 AKST or AKDT

Lat: (decimal degrees) 58.81033 (°,',"):

Lon: (decimal degrees) 136.46456 (°,',"):

Time GPS position: :

Depth: (m) 435

CTD dropped to (m): 310

Station# 007

WP# 151

Comments:

Location: N of Blue Mouse, W of Tidal

Tide Low height: 5 Time since Low: -129

Tide High height: 527 Time since High: 273

Sampling: Oceanography Sonic Bottom Dive Other:

Tide Station: Composite

Cast Name: C1 157 02 (CTD id / Dump # / Cast #)

Date: 20060305 (Y Y Y Y M M D D)

Time CTD on (24 hr clock): 10:28 AKST or AKDT

Lat: (decimal degrees) 58.86467 (°,',"):

Lon: (decimal degrees) 136.59291 (°,',"):

Time GPS position: :

Depth: (m) 426

CTD dropped to (m): 300

Station# 08

WP# 152

Comments:

Location: S of Rendu Inlet

Tide Low height: 5 Time since Low: -69

Tide High height: 527 Time since High: 333

Sampling: Oceanography Sonic Bottom Dive Other:

Tide Station: Composite

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: WGS84

Na[illegible] Arimitsu

Logbook Page: 7

Cast Name: C1 [illegible] 15 7 0 3 (CTD id / Dump # / Cast #)	Date: 2 0 0 6 0 3 0 5 (Y Y Y Y M M D D)	Time CTD on (24-hr clock): 1 1 : 2 8 AKST or AKDT
Lat: (decimal degrees) 5 8 . 8 9 7 2 5 (°,',"):	Lon: (decimal degrees) 1 3 6 . 7 3 5 9 9 (°,',"):	Time GPS position: :
Depth: (m) 377	CTD dropped to (m): 300	Station# 0 0 9 / WP# 1 5 3
Comments:		Location: SE of Russell Isl
Tide Low height: 5	Time since Low: -9	Tide High height: 402 Time since High: -378
Sampling: Oceanography Sonic Bottom Dive Other:		Tide Station: Composite

Cast Name: C1 [illegible] 15 7 0 4 (CTD id / Dump # / Cast #)	Date: 2 0 0 6 0 3 0 5 (Y Y Y Y M M D D)	Time CTD on (24-hr clock): 1 4 : 0 7 AKST or AKDT
Lat: (decimal degrees) 5 8 . 8 9 9 2 5 (°,',"):	Lon: (decimal degrees) 1 3 6 . 8 3 9 6 6 (°,',"):	Time GPS position: :
Depth: (m) 360	CTD dropped to (m): 320	Station# 1 0 / WP# 1 5 4
Comments:		Location: N. of Reid Inlet
Tide Low height: 5	Time since Low: 30	Tide High height: 402 Time since High: -339
Sampling: Oceanography Sonic Bottom Dive Other:		Tide Station: Composite

Cast Name: C1 [illegible] 15 7 0 5 (CTD id / Dump # / Cast #)	Date: 2 0 0 6 0 3 0 5 (Y Y Y Y M M D D)	Time CTD on (24 hr clock): 1 3 : 0 4 AKST or AKDT
Lat: (decimal degrees) 5 8 . 9 7 1 6 8 (°,',"):	Lon: (decimal degrees) 1 3 6 . 9 1 6 7 8 (°,',"):	Time GPS position: :
Depth: (m) 338	CTD dropped to (m): 300	Station# 1 1 / WP#
Comments: used default		Location: Tarr Inlet
Tide Low height: 5	Time since Low: 87	Tide High height: 402 Time since High: -282
Sampling: Oceanography Sonic Bottom Dive Other:		Tide Station: Composite

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: WGS84

Name: Arimitsu Logbook Page: 8

Cast Name: C1 157 06 (CTD id / Dump # / Cast #)

Date: 2006 03 05 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 13:57 AKST or AKDT

Time GPS position: :

Lat: (decimal degrees) 59.033600 (°,',"):

Lon: (decimal degrees) 137.018160 (°,',"):

Depth: (m) 270

CTD dropped to (m): 260

Station# 012

WP# 155

Comments:

Location: Head of Tarr

Tide Low height: 5 Time since Low: 140

Tide High height: 402 Time since High: -229

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station: Composite

Cast Name: C1 157 07 (CTD id / Dump # / Cast #)

Date: 2006 03 05 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 14:20 AKST or AKDT

Time GPS position: :

Lat: (decimal degrees) 59.044335 (°,',"):

Lon: (decimal degrees) 137.048977 (°,',"):

Depth: (m) 233

CTD dropped to (m): 210

Station# 021

WP# 157

Comments: Couldn't navigate to Stn due to ice

Location: Margerie & G-P.

Tide Low height: 5 Time since Low: 163

Tide High height: 402 Time since High: -206

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station: Composite

Cast Name: C (CTD id / Dump # / Cast #)

Date: (Y Y Y Y M M D D)

Time CTD on (24 hr clock): : AKST or AKDT

Time GPS position: :

Lat: (decimal degrees) . (°,',"):

Lon: (decimal degrees) . (°,',"):

Depth: (m)

CTD dropped to (m):

Station#

WP#

Comments:

Location:

Tide Low height: Time since Low:

Tide High height: Time since High:

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station:

3/2/06

7:30 - left Indian Pt on the Boyce for combined oceanography / crab tracking trip. Planned to leave 3/1 but weather in Lynn Canal prevented us from leaving.
17:00 - arrived in Bartlett Cove. offloaded freight, got misc oceanography material from cache
21:15 - left Bartlett Cove to sample lower bay stations before heading up to Sandy Cove in the night
sampled 0, 1, 2 to catch max flood at stn 2. Anchored at Strawberry ~ 00:30
had issues w/ wypts

3/3

left anchor at ~ 8:15
sampled stn 3, 4, 5, 22, 23, 13, 14.
Julie began crab tracking at ~ 17:30.
we started sampling again after the tags shut down for the night at 19:00
Sampling Gerkie was ice free with about 3' of snow on the ground

* change time to from low/hi → 00

finished sampling 11:45
downloaded CTD - dump #155, backed up
still need to proof hex files
ran to Hunter Cove, anchored @ 2 am

3/4/06

proofing files, noticed something strange in the headers → CTD output on 3/2 read 2/30, as in Feb 30. Changed in hex file to 03/02
Also noticed that I made a mistake on the dmp # → should be 156 changed name on lex & datasheets
Chla higher at glaciers in E Arm - bloom?
~~Looked at~~ Voltage 0 - PAR
1 - OBS
2 - Chla
3 ?
Coast track all day, anchored ~20:00 behind Sea Breeze
2:15
left anchor at 7:15
heading for West Arm Stations
check time on Sta 08 - 10:28?
light snow (rain)
157 dump casts have wrong date changed from 03/06 to 03/05. did not save originals.
STN 10 has neg values for Chla -

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

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: WGS84

Na[illegible] Arimitsu, Smith

Logbook Page: _____

Cast Name: C1 [illegible] 00 (CTD id / Dump # / Cast #)	Date: 20060705 (Y Y Y Y M M D D)	Time CTD on (24-hr clock): 9:19 AKST or AKDT
Lat: (decimal degrees) 58.32667 (°,',"):	Lon: (decimal degrees) 135.84271 (°,',"):	Time GPS position: :
Depth: (m) 53	CTD dropped to (m): 50	Station# 000 / WP# 158
Comments: trying electric puller - stopped at 10m, too slow		Location: Icy Strait
Tide Low height: 105 Time since Low: 354	Tide High height: 276 Time since High: -12	
Sampling: Oceanography Sonic Bottom Dive Other:	Tide Station: Bartlett	

Cast Name: C1 [illegible] 01 (CTD id / Dump # / Cast #)	Date: 20060705 (Y Y Y Y M M D D)	Time CTD on (24-hr clock): 9:27 AKST or AKDT
Lat: (decimal degrees) 58.32618 (°,',"):	Lon: (decimal degrees) 135.87111 (°,',"):	Time GPS position: :
Depth: (m) 53	CTD dropped to (m): 50	Station# 00 / WP# 159
Comments: 2nd cast at stn 00		Location: Icy Strait
Tide Low height: 105 Time since Low: 362	Tide High height: 276 Time since High: -4	
Sampling: Oceanography Sonic Bottom Dive Other:	Tide Station: Bartlett	

Cast Name: C1 [illegible] 02 (CTD id / Dump # / Cast #)	Date: 20060705 (Y Y Y Y M M D D)	Time CTD on (24 hr clock): 10:06 AKST or AKDT
Lat: (decimal degrees) 58.41282 (°,',"):	Lon: (decimal degrees) 135.99669 (°,',"):	Time GPS position: :
Depth: (m) 65	CTD dropped to (m): 60	Station# 01 / WP# 160
Comments:		Location: Mouth of Glacier Bay
Tide Low height: 159 Time since Low: -301	Tide High height: 276 Time since High: 35	
Sampling: Oceanography Sonic Bottom Dive Other:	Tide Station: Bartlett	

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: NGS84

Name: Arimitsu, Smith

Logbook Page:

Cast Name: C1 158 03 (CTD id / Dump # / Cast #)	Date: 20060705 (Y Y Y Y M M D D)	Time CTD on (24-hr clock): 10:29 AKST or AKDT
Lat: (decimal degrees) 58.48988 (°,',"):	Lon: (decimal degrees) 136.05362 (°,',"):	Time GPS position: :
Depth: (m) 96	CTD dropped to (m): 90	Station# 02 / WP# 161
Comments:		Location: Sitakaday Narrows
Tide Low height: 159 Time since Low: -278	Tide High height: 276 Time since High: 58	
Sampling: Oceanography Sonic Bottom Dive Other:	Tide Station:	

Cast Name: C1 04 (CTD id / Dump # / Cast #)	Date: 20060705 (Y Y Y Y M M D D)	Time CTD on (24-hr clock): 11:02 AKST or AKDT
Lat: (decimal degrees) 58.57047 (°,',"):	Lon: (decimal degrees) 136.06525 (°,',"):	Time GPS position: :
Depth: (m) 114	CTD dropped to (m): 100	Station# 02 / WP# 162
Comments:		Location: SE of Willoughby Isl
Tide Low height: 163 Time since Low: -269	Tide High height: 319 Time since High: 78	
Sampling: Oceanography Sonic Bottom Dive Other:	Tide Station: Willoughby	

Cast Name: C1 05 (CTD id / Dump # / Cast #)	Date: 20060705 (Y Y Y Y M M D D)	Time CTD on (24 hr clock): 11:23 AKST or AKDT
Lat: (decimal degrees) 58.65101 (°,',"):	Lon: (decimal degrees) 136.11580 (°,',"):	Time GPS position: :
Depth: (m) 240?	CTD dropped to (m): 220	Station# 04 / WP# 164
Comments: depth sounder on Capelin not reliable at this depth		Location: N of Drake, N of Marble
Tide Low height: 163 Time since Low: -248	Tide High height: 319 Time since High: 99	
Sampling: Oceanography Sonic Bottom Dive Other:	Tide Station: Willoughby	

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: WGS 84

Na[illegible] Arimitsu, Smith

Logbook Page: _____

Cast Name: 158 C1 [illegible] 06 (CTD id / Dump # / Cast #)	Date: 2006 07 05 (Y Y Y Y M M D D)	Time CTD on (24-hr clock): 11:51 AKST or AKDT
Lat: (decimal degrees) 58.73326 (°,',"):	Lon: (decimal degrees) 136.11337 (°,',"):	Time GPS position: :
Depth: (m) 145	CTD dropped to (m): 140	Station# 13 / WP# 166
Comments:		Location: SE Tlingit Pt, NW Sturgis
Tide Low height: 163 Time since Low: -223	Tide High height: 334 Time since High: 122	
Sampling: Oceanography Sonic Bottom Dive Other:	Tide Station: Muir	

Cast Name: C1 [illegible] 07 (CTD id / Dump # / Cast #)	Date: 2006 07 05 (Y Y Y Y M M D D)	Time CTD on (24-hr clock): 12:09 AKST or AKDT
Lat: (decimal degrees) 58.79192 (°,',"):	Lon: (decimal degrees) 136.10840 (°,',"):	Time GPS position: :
Depth: (m) 86	CTD dropped to (m): 80	Station# 14 / WP# 167
Comments:		Location: Muir Sill
Tide Low height: 163 Time since Low: -205	Tide High height: 334 Time since High: 140	
Sampling: Oceanography Sonic Bottom Dive Other:	Tide Station: Muir	

end 12:15

Cast Name: 158 C1 [illegible] 08 (CTD id / Dump # / Cast #)	Date: 2006 07 05 (Y Y Y Y M M D D)	Time CTD on (24 hr clock): 12:36 AKST or AKDT
Lat: (decimal degrees) 58.89615 (°,',"):	Lon: (decimal degrees) 136.09372 (°,',"):	Time GPS position: :
Depth: (m) 313	CTD dropped to (m): 200	Station# 16 / WP# 168
Comments: puller stopped at 200m, for about 5 minutes		Location: E of Hunter Cove
Tide Low height: 163 Time since Low: -178	Tide High height: 334 Time since High: 167	
Sampling: Oceanography Sonic Bottom Dive Other:	Tide Station: Muir	

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: NAD 65-84

Name: Apurtson Smith Logbook Page:

Cast Name: C 1 1 5 8 **CTD id** / **Dump #** / **Cast #** 0 9

Date: 2 0 0 6 0 7 0 5 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 1 2 : 5 1 AKST or AKDT

Time GPS position: :

Lat: (decimal degrees) 5 8 . 9 7 5 1 7 (°,',"):

Lon: (decimal degrees) 1 3 6 . 1 3 6 1 5 (°,',"):

Depth: (m) 172 **CTD dropped to (m):** 160

Station# 0 1 7 **WP#** 1 6 9

Comments: Started near top of sill →

Location: E of Westdahl Pt.

Tide Low height: 1.63 **Time since Low:** -1.63 **Tide High height:** 3.34 **Time since High:** 1.82

Sampling: Oceanography Sonic Bottom Dive Other: **Tide Station:** Muir

---

Cast Name: C 1 1 5 8 1 0 **CTD id** / **Dump #** / **Cast #** 1 0

Date: 2 0 0 6 0 7 0 5 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 1 4 : 0 2 AKST or AKDT

Time GPS position: :

Lat: (decimal degrees) 5 9 . 0 4 9 7 0 (°,',"):

Lon: (decimal degrees) 1 3 6 . 1 8 5 1 0 (°,',"):

Depth: (m) 212 **CTD dropped to (m):** 200

Station# 0 1 8 **WP#** 1 7 0

Comments: Stopped at ~160, puller problem

Location: S of Rugs, NW of MOB

Tide Low height: 1.63 **Time since Low:** -.92 **Tide High height:** 3.34 **Time since High:** 2.53

Sampling: Oceanography Sonic Bottom Dive Other: **Tide Station:** Muir

---

Cast Name: C 1 1 5 8 1 1 **CTD id** / **Dump #** / **Cast #** 1 1

Date: 2 0 0 6 0 7 0 5 (Y Y Y Y M M D D)

Time CTD on (24 hr clock): 1 4 : 3 6 AKST or AKDT

Time GPS position: :

Lat: (decimal degrees) 5 9 . 0 7 2 5 0 (°,',"):

Lon: (decimal degrees) 1 3 6 . 3 3 4 5 0 (°,',"):

Depth: (m) 226 **CTD dropped to (m):** 210

Station# 0 1 9 **WP#** 1 7 1

Comments:

Location: Muir Inlet

Tide Low height: 1.63 **Time since Low:** -.58 **Tide High height:** 3.34 **Time since High:** 2.57

Sampling: Oceanography Sonic Bottom Dive Other: **Tide Station:** Muir

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: WGS84

Na[illegible] Armiton, Smith

Logbook Page: _____

Cast Name: 158 C1 [illegible] 12 (CTD id / Dump # / Cast #)

Date: 20060705 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 14:51 AKST or AKDT

Lat: (decimal degrees) 59.08641 (°,',"):

Lon: (decimal degrees) 136.37042 (°,',"):

Time GPS position: :

Depth: (m) 172

CTD dropped to (m): 160

Station# 20

WP# 172

Comments:

Location: Head of Muir

Tide Low height: 163 Time since Low: -43

Tide High height: 334 Time since High: 302

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station: Muir

Cast Name: 158 C1 [illegible] 13 (CTD id / Dump # / Cast #)

Date: 20060705 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 16:31 AKST or AKDT

Lat: (decimal degrees) [illegible]8.75902 [illegible]):

Lon: (decimal degrees) 136.35483 (°,',"):

Time GPS position: :

Depth: (m) 268

CTD dropped to (m): 280

Station# 06

WP# 173

Comments:

Location: E of Hugh Miller Inlet

Tide Low height: 163 Time since Low: 59

Tide High height: 438 Time since High: -309

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station:

Cast Name: 158 C1 [illegible] 14 (CTD id / Dump # / Cast #)

Date: 20060705 (Y Y Y Y M M D D)

Time CTD on (24 hr clock): 17:39 AKST or AKDT

Lat: (decimal degrees) 58.81227 (°,',"):

Lon: (decimal degrees) 136.47275 (°,',"):

Time GPS position: :

Depth: (m) 435

CTD dropped to (m): 300

Station# 07

WP# 174

Comments:

Location: N of Blue Mouse, (N of Trio

Tide Low height: 163 Time since Low: 127

Tide High height: 438 Time since High: -241

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station: Composite

OCEANOGRAPHY SURVEY
Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: NGS 84

Name: Arimitsu

Logbook Page:

Cast Name: 159

C | | | | | 00
CTD id | Dump # | Cast #

Date: 2006 07 06
Y Y Y Y M M D D

Time CTD on (24-hr clock): 7:14
AKST or AKDT

Lat: (decimal degrees) 59.04734
(°,',''):

Lon: (decimal degrees) 137.05679
(°,',''):

Time GPS position: :

Depth: (m) 205

CTD dropped to (m): 190

Station# 21

WP# 175

Comments:

Location: Margerie & Grand Pa

Tide Low height: 77 Time since Low: 143

Tide High height: 343 Time since High: -231

Sampling: Oceanography Sonic Bottom Dive Other: Tide Station:

4:51 11.05

Cast Name:

C | | | | | 01
CTD id | Dump # | Cast #

Date: 2006 07 06
Y Y Y Y M M D D

Time CTD on (24-hr clock): 7:46
AKST or AKDT

Lat: (decimal degrees) 59.03333
(°,',''):

Lon: (decimal degrees) 137.01773
(°,',''):

Time GPS position: :

Depth: (m)

CTD dropped to (m):

Station# 12

WP# 176

Comments:

Location: head of Tarr Inlet

Tide Low height: 77 Time since Low: 175

Tide High height: 343 Time since High: -199

Sampling: Oceanography Sonic Bottom Dive Other: Tide Station:

4:51 11.05

Cast Name:

C | | | | | 02
CTD id | Dump # | Cast #

Date: 2006 07 06
Y Y Y Y M M D D

Time CTD on (24 hr clock): 8:16
AKST or AKDT

Lat: (decimal degrees) 58.97188
(°,',''):

Lon: (decimal degrees) 136.91690
(°,',''):

Time GPS position: :

Depth: (m) 338

CTD dropped to (m): 300

Station# 11

WP# 177

Comments:

Location: Tarr Inlet

Tide Low height: 77 Time since Low: 205

Tide High height: 343 Time since High: -169

Sampling: Oceanography Sonic Bottom Dive Other: Tide Station: Composite

4.51 11 05

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: WGS 84

N: Arimetka Logbook Page:

Cast Name: C 1 159 03 (CTD id / Dump # / Cast #)

Date: 2006 07 06 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 8:55 AKST or AKDT

Time GPS position:

Lat: (decimal degrees) 58.89895 (°,',"):

Lon: (decimal degrees) 136.84012 (°,',"):

Depth: (m) 364 **CTD dropped to (m):** 300

Station# 10 **WP#** 178

Comments:

Location: N of Reid

Tide Low height: 77 **Time since Low:** 244 **Tide High height:** 343 **Time since High:** -130

Sampling: Oceanography Sonic Bottom Dive Other: **Tide Station:** Community

4:57 11:05

Cast Name: C 1 159 04 (CTD id / Dump # / Cast #)

Date: 2006 07 06 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 9:21 AKST or AKDT

Time GPS position:

Lat: (decimal degrees) 58.89758 (°,',"):

Lon: (decimal degrees) 136.73616 (°,',"):

Depth: (m) 377 **CTD dropped to (m):** 300

Station# 09 **WP#** 179

Comments:

Location: SE of Russell Island

Tide Low height: 77 **Time since Low:** 270 **Tide High height:** 343 **Time since High:** -104

Sampling: Oceanography Sonic Bottom Dive Other: **Tide Station:** Composite

4:51 11:05

Cast Name: C 159 05 (CTD id / Dump # / Cast #)

Date: 2006 07 06 (Y Y Y Y M M D D)

Time CTD on (24 hr clock): 9:55 AKST or AKDT

Time GPS position:

Lat: (decimal degrees) 58.86523 (°,',"):

Lon: (decimal degrees) 136.59435 (°,',"):

Depth: (m) 426 **CTD dropped to (m):** 300

Station# 08 **WP#** 180

Comments:

Location: S of Rendu Inlet

Tide Low height: 97 **Time since Low:** 304 **Tide High height:** 343 **Time since High:** -70

Sampling: Oceanography Sonic Bottom Dive Other: **Tide Station:** Composite

4:51 11:05

OCEANOGRAPHY SURVEY
Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: WGS 84

Name: Armitson

Logbook Page: _____

Cast Name: 159 — C1 [redacted] 06 (CTD id / Dump # / Cast #)

Date: 20060706 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 10:48 AKST or AKDT

Lat: (decimal degrees) 58.70424 (°,',"):

Lon: (decimal degrees) 136.23329 (°,',"):

Time GPS position: :

Depth: (m) 366

CTD dropped to (m): 300

Station# 05

WP# 181

Comments:

Location: Between N Drake, SE Turnout

Tide Low height: 172 Time since Low: 347

Tide High height: 328 Time since High: -13

Sampling: Oceanography Sonic Bottom Dive Other:

Tide Station: Willoughby

9:50 11:01

Cast Name: 159 — C1 [redacted] 07 (CTD id / Dump # / Cast #)

Date: 20060706 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 11:20 AKST or AKDT

Lat: (decimal degrees) 58.65755 (°,',"):

Lon: (decimal degrees) 136.36549 (°,',"):

Time GPS position: :

Depth: (m) 158

CTD dropped to (m): 150

Station# 22

WP# 182

Comments:

Location: Entrance to Geikie

Tide Low height: 172 Time since Low: -315

Tide High height: 328 Time since High: 19

Sampling: Oceanography Sonic Bottom Dive Other:

Tide Station: Willoughby

16:35 11:01

Cast Name: 159 — C1 [redacted] 08 (CTD id / Dump # / Cast #)

Date: 20060706 (Y Y Y Y M M D D)

Time CTD on (24 hr clock): 11:45 AKST or AKDT

Lat: (decimal degrees) 58.59813 (°,',"):

Lon: (decimal degrees) 136.50633 (°,',"):

Time GPS position: :

Depth: (m) 66

CTD dropped to (m): 60

Station# 23

WP# 183

Comments:

Location: head of Geikie

Tide Low height: 172 Time since Low: -296

Tide High height: 328 Time since High: 44

Sampling: Oceanography Sonic Bottom Dive Other:

Tide Station: Willoughby

16:35 11:01

7/5/06

8:15 left Bartlett cove in MV Capelin with Justin Smith. Trying the electric puller for deployment of CTD this time

9:15 - stn 00 - 2 casts, first one too shoal
9:40 - waiting for cruise ship to pass

Bartlett: 3:23 ✓ 9:31 ✓ 307 ✓ 9:23 ✓

depth sounder on Capelin not reliable → so will be conservative with known depth at stn

Due to limited availability of boat, we were unable to sample 0-4 at flood tide

12:46 Problem with puller on way up → too much load

15:09 Finished head of Muir → heading for West arm Capelin is fast!

Barco	325	931	1507	2123
	105	276	159	380
Willoughby	347	944	1531	2136
	108	319	163	423
Muir	350	949	1534	2141
	108	334	163	438
Composite	348	948	1532	2140
	108	334	163	438

need to change time → 7/5 is 1 hr ahead

7/6

Composite.	4:51	11:05	16:34	22:35	
	77	343	172	453	
Willoughby	4:50	11:01	16:35	223	
	77	328	172	438	

Start at raft 6:30. Heading for Bartlett Cove at 12:08 from head of Geikie.

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

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: Nad 83

Na ERICA MADISON JON WETZEL Logbook Page: 1

Cast Name: C 1 60 00 (CTD id / Dump # / Cast #)

Date: 2006 05 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): : AKST or AKDT

Time GPS position: :

Lat: (decimal degrees) . (°,',"):

Lon: (decimal degrees) . (°,',"):

Depth: (m)

CTD dropped to (m): 50

Station# 00 WP# 184

Comments: PRACTICE / BAD CAST

Location:

Tide Low height: Time since Low: Tide High height: Time since High:

Sampling: Oceanography Sonic Bottom Dive Other : Tide Station:

Cast Name: C 1 01 60 01 (CTD id / Dump # / Cast #)

Date: 2006 05 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): : AKST or AKDT

Time GPS position: 12:44

Lat: (decimal degrees) 58.32641 (°,',"):

Lon: (decimal degrees) -135.87646 (°,',"):

Depth: (m) 53

CTD dropped to (m): 50

Station# 00 WP# 185

Comments: 1st tow, little slow trying to do in sink w/ water sample

Location: ICY STRAIT

Tide Low height: -.34 Time since Low: 379 Tide High height: 5.0 Time since High: 270

Sampling: Oceanography Sonic Bottom Dive Other : Tide Station: BARTLETT COVE

Cast Name: C 1 01 60 02 (CTD id / Dump # / Cast #)

Date: 2006 05 (Y Y Y Y M M D D)

Time CTD on (24 hr clock): : AKST or AKDT

Time GPS position: 13:42

Lat: (decimal degrees) 58.41261 (°,',"):

Lon: (decimal degrees) -135.99509 (°,',"):

Depth: (m) 62

CTD dropped to (m): 50

Station# 01 WP# 185

Comments:

Location: Mouth of GLBA

Tide Low height: -.22 Time since Low: 310 Tide High height: 5.0 Time since High: 211

Sampling: Oceanography Sonic Bottom Dive Other : Tide Station: BARTLETT COVE

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: Nad 83

Name: ENM DW

Logbook Page: 2

Cast Name: C1016002 (CTD id / Dump # / Cast #)	Date: 20061005 (Y Y Y Y M M D D)	Time CTD on (24-hr clock): : AKST or AKDT
Lat: (decimal degrees) 58.48955 (°,',"):	Lon: (decimal degrees) -136.05215 (°,',"):	Time GPS position: 14:36
Depth: (m) 93	CTD dropped to (m): 80	Station# 02 / WP# 189
Comments:		Location: SITAKADA-1 NARROWS
Tide Low height: -.22 Time since Low: 256	Tide High height: 5.0 Time since High: 110	
Sampling: Oceanography Sonic Bottom Dive Other:	Tide Station: BARTLETT	

Cast Name: C1016003 (CTD id / Dump # / Cast #)	Date: 20061005 (Y Y Y Y M M D D)	Time CTD on (24-hr clock): : AKST or AKDT
Lat: (decimal degrees) 58.57151 (°,',"):	Lon: (decimal degrees) -136.06525 (°,',"):	Time GPS position: 15:29
Depth: (m) 112	CTD dropped to (m): 100	Station# 03 / WP# 190
Comments:		Location: SE OF WILLOUGHBY IS
Tide Low height: -.19 Time since Low: 234	Tide High height: 5.42 Time since High: 145	
Sampling: Oceanography Sonic Bottom Dive Other:	Tide Station: WILLOUGHBY	

Cast Name: C1016004 (CTD id / Dump # / Cast #)	Date: 20061005 (Y Y Y Y M M D D)	Time CTD on (24 hr clock): : AKST or AKDT
Lat: (decimal degrees) 58.65081 (°,',"):	Lon: (decimal degrees) -136.11522 (°,',"):	Time GPS position: 16:20
Depth: (m) 288	CTD dropped to (m): 280	Station# 04 / WP# 191
Comments:		Location: N OF DRAKE N OF MARBLE
Tide Low height: -.19 Time since Low: 176	Tide High height: 5.42 Time since High: 201	
Sampling: Oceanography Sonic Bottom Dive Other:	Tide Station: WILLOUGHBY	

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: Nad 83

Na ENM JW

Logbook Page: 3

Cast Name: C 1 0 1 6 0 0 5 (CTD id / Dump # / Cast #)

Date: 2006 10 05 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): : AKST or AKDT

Time GPS position: 17:13

Lat: (decimal degrees) 58.70480 (°,',"):

Lon: (decimal degrees) -136.23459 (°,',"):

Depth: (m) 366

CTD dropped to (m): 300

Station# 05

WP# 192

Comments:

Location: Between NDeake SW TUNNEL POINT

Tide Low height: -.19 **Time since Low:** 123 **Tide High height:** 5.42 **Time since High:** 254

Sampling: (Oceanography) Sonic Bottom Dive Other : **Tide Station:** WILLOUGHBY

Cast Name: C 1 0 1 6 0 0 6 (CTD id / Dump # / Cast #)

Date: 2006 10 05 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): : AKST or AKDT

Time GPS position: 18:14

Lat: (decimal degrees) 58.65779 (°,',"):

Lon: (decimal degrees) -136.36549 (°,',"):

Depth: (m) 155

CTD dropped to (m): 140

Station# 22

WP# 195

Comments:

Location: ENTRANCE ~~Mouth~~ of HEIKIE

Tide Low height: -.19 **Time since Low:** 62 **Tide High height:** 5.42 **Time since High:** 135

Sampling: (Oceanography) Sonic Bottom Dive Other : **Tide Station:** WILLOUGHBY

Cast Name: C 1 0 1 6 0 0 7 (CTD id / Dump # / Cast #)

Date: 2006 10 05 (Y Y Y Y M M D D)

Time CTD on (24 hr clock): : AKST or AKDT

Time GPS position: 19:14

Lat: (decimal degrees) 58.59809 (°,',"):

Lon: (decimal degrees) -136.50629 (°,',"):

Depth: (m) 64

CTD dropped to (m): 50

Station# 23

WP# 196

Comments:

Location: HEAD OF HEIKIE

Tide Low height: -.19 **Time since Low:** 2 **Tide High height:** 5.42 **Time since High:** 375

Sampling: Oceanography Sonic Bottom Dive Other : **Tide Station:** WILLOUGHBY

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: Nad 83

Name: ENM, JW

Logbook Page: 4

Cast Name: C1 0 1 6 1 0 0 (CTD id / Dump # / Cast #)	Date: 2 0 0 6 1 0 0 6 (Y Y Y Y M M D D)	Time CTD on (24-hr clock): : AKST or AKDT
Lat: (decimal degrees) 58.75869 (°,',"):	Lon: (decimal degrees) -136.34064 (°,',"):	Time GPS position: 8:44
Depth: (m) 288	CTD dropped to (m): 270	Station# 006 / WP# 197
Comments:		Location: E of Hugh Miller Inlet
Tide Low height: -.44	Time since Low: 71	Tide High height: 5.99 Time since High: 296
Sampling: Oceanography Sonic Bottom Dive Other:		Tide Station: Composite

Cast Name: C1 0 1 6 1 0 1 (CTD id / Dump # / Cast #)	Date: 2 0 0 6 1 0 0 6 (Y Y Y Y M M D D)	Time CTD on (24-hr clock): : AKST or AKDT
Lat: (decimal degrees) 58.81076 (°,',"):	Lon: (decimal degrees) -136.47211 (°,',"):	Time GPS position: 09:34
Depth: (m) 435	CTD dropped to (m): 300	Station# 07 / WP# 198
Comments:		Location: N of Hue Mouse, W of Tidal Inlet
Tide Low height: -.44	Time since Low: 121	Tide High height: 5.99 Time since High: 246
Sampling: Oceanography Sonic Bottom Dive Other:		Tide Station: Composite

Cast Name: C1 0 1 6 1 0 2 (CTD id / Dump # / Cast #)	Date: 2 0 0 6 1 0 0 6 (Y Y Y Y M M D D)	Time CTD on (24 hr clock): : AKST or AKDT
Lat: (decimal degrees) 58.86535 (°,',"):	Lon: (decimal degrees) -136.59230 (°,',"):	Time GPS position: 10:33
Depth: (m) 426	CTD dropped to (m): 300	Station# 008 / WP# 199
Comments:		Location: S of Rendu Inlet
Tide Low height: -.44	Time since Low: 180	Tide High height: 5.99 Time since High: 187
Sampling: Oceanography Sonic Bottom Dive Other:		Tide Station: Composite

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: NAD 83

Na[illegible] ENM JW

Logbook Page: 5

Cast Name: C1 0 1 6 1 0 3 (CTD id / Dump # / Cast #)	Date: 2 0 0 6 1 0 0 6 (Y Y Y Y M M D D)	Time CTD on (24-hr clock): : AKST or AKDT
Lat: (decimal degrees) 58.89752 (",","):	Lon: (decimal degrees) -136.73667 (",","):	Time GPS position: 11:20
Depth: (m) 377	CTD dropped to (m): 300	Station# 009 / WP#
Comments: Used default waypoint because didnt take one		Location: SE of Russell Island
Tide Low height: -.44	Time since Low: 227	Tide High height: 5.99 Time since High: 146
Sampling: Oceanography Sonic Bottom Dive Other:		Tide Station: Composite

Cast Name: C1 0 1 6 1 0 4 (CTD id / Dump # / Cast #)	Date: 2 0 0 6 1 0 0 6 (Y Y Y Y M M D D)	Time CTD on (24-hr clock): : AKST or AKDT
Lat: (decimal degrees) 58.89906 (",","):	Lon: (decimal degrees) -136.83978 (",","):	Time GPS position: 12:02
Depth: (m) 361	CTD dropped to (m): 300	Station# 010 / WP# 200
Comments:		Location: N OF REID INLET
Tide Low height: -.44	Time since Low: 269	Tide High height: 5.99 Time since High: 98
Sampling: Oceanography Sonic Bottom Dive Other:		Tide Station: Composite

Cast Name: C1 0 1 6 1 0 5 (CTD id / Dump # / Cast #)	Date: 2 0 0 6 1 0 0 6 (Y Y Y Y M M D D)	Time CTD on (24 hr clock): : AKST or AKDT
Lat: (decimal degrees) 58.97161 (",","):	Lon: (decimal degrees) -136.91583 (",","):	Time GPS position: 13:10
Depth: (m) 339	CTD dropped to (m): 300	Station# 011 / WP# 201
Comments:		Location: TARR INLET
Tide Low height: -.44	Time since Low: 337	Tide High height: 5.99 Time since High: 30
Sampling: Oceanography Sonic Bottom Dive Other:		Tide Station: Composite

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: NAD 83

Name: ENM JW

Logbook Page: 6

Cast Name: C1 0161 06 (CTD id / Dump # / Cast #)	Date: 2006 10 06 (Y Y Y Y M M D D)	Time CTD on (24-hr clock): : AKST or AKDT
Lat: (decimal degrees) 59.03287 (°,',"):	Lon: (decimal degrees) -137.01959 (°,',"):	Time GPS position: 14:02
Depth: (m) 288	CTD dropped to (m): 270	Station# 012 / WP# 202
Comments:		Location: Head of TARA INLET
Tide Low height: -.74	Time since Low: 358	Tide High height: 5.99 Time since High: 22
Sampling: Oceanography Sonic Bottom Dive Other :		Tide Station: Composite

Cast Name: C1 0161 07 (CTD id / Dump # / Cast #)	Date: 2006 10 06 (Y Y Y Y M M D D)	Time CTD on (24-hr clock): : AKST or AKDT
Lat: (decimal degrees) 59.04771 (°,',"):	Lon: (decimal degrees) -137.05795 (°,',"):	Time GPS position: 14:23
Depth: (m) 146	CTD dropped to (m): 130	Station# 021 / WP# 203
Comments:		Location: Margerie and Grand Pacific
Tide Low height: -.74	Time since Low: 337	Tide High height: 5.99 Time since High: 40
Sampling: Oceanography Sonic Bottom Dive Other :		Tide Station: composite

Cast Name: C (CTD id / Dump # / Cast #)	Date: (Y Y Y Y M M D D)	Time CTD on (24 hr clock): : AKST or AKDT
Lat: (decimal degrees) . (°,',"):	Lon: (decimal degrees) . (°,',"):	Time GPS position: :
Depth: (m)	CTD dropped to (m):	Station# / WP#
Comments:		Location:
Tide Low height:	Time since Low:	Tide High height: Time since High:
Sampling: Oceanography Sonic Bottom Dive Other :		Tide Station:

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

Waypoint Datum: NAD 83

Name: ENM JW

Logbook Page: 7

Cast Name: C1016200 (CTD id / Dump # / Cast #)	Date: 20061006 (Y Y Y Y M M D D)	Time CTD on (24-hr clock): : AKST or AKDT
Lat: (decimal degrees) 58.73176 (°,',"):	Lon: (decimal degrees) -136.11371 (°,',"):	Time GPS position: 18:58
Depth: (m) 146	CTD dropped to (m): 130	Station# 13 / WP# 204
Comments:		Location: SE OF TLINGIT NW OF STURGESS
Tide Low height: -.74	Time since Low: 64	Tide High height: 5.99 Time since High: 317
Sampling: Oceanography Sonic Bottom Dive Other:		Tide Station: MUIR

Cast Name: C1016201 (CTD id / Dump # / Cast #)	Date: 20061007 (Y Y Y Y M M D D)	Time CTD on (24-hr clock): : AKST or AKDT
Lat: (decimal degrees) . (°,',"):	Lon: (decimal degrees) . (°,',"):	Time GPS position: :
Depth: (m) 316	CTD dropped to (m): 300	Station# 016 / WP#
Comments: BAD CASTE		Location: E of Hunter cove
Tide Low height:	Time since Low:	Tide High height: Time since High:
Sampling: Oceanography Sonic Bottom Dive Other:		Tide Station:

Cast Name: C1016202 (CTD id / Dump # / Cast #)	Date: 20061007 (Y Y Y Y M M D D)	Time CTD on (24 hr clock): : AKST or AKDT
Lat: (decimal degrees) 58.89495 (°,',"):	Lon: (decimal degrees) -136.09435 (°,',"):	Time GPS position: 9:20
Depth: (m) 316	CTD dropped to (m): 300	Station# 16 / WP# 205
Comments:		Location: E of Hunter cove
Tide Low height: -.40	Time since Low: 65	Tide High height: 6.26 Time since High: 298
Sampling: Oceanography Sonic Bottom Dive Other:		Tide Station: MUIR

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: NAD 83

Name: EMM JW Logbook Page: 8

Cast Name: C 1 0 1 6 2 0 3 (CTD id / Dump # / Cast #)

Date: 2006 10 07 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): : AKST or AKDT

Time GPS position: 10:26

Lat: (decimal degrees) 58.97404 (°,',"):

Lon: (decimal degrees) -135.13684 (°,',"):

Depth: (m) 212 **CTD dropped to (m):** 200

Station# 17 **WP#** 206

Comments:

Location: E of Westdahl Pt

Tide Low height: -.4 **Time since Low:** 131 **Tide High height:** 6.26 **Time since High:** 132

Sampling: (Oceanography) Sonic Bottom Dive Other: **Tide Station:** MUIR

Cast Name: C 1 0 1 6 2 0 4 (CTD id / Dump # / Cast #)

Date: 2006 10 09 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): : AKST or AKDT

Time GPS position: :

Lat: (decimal degrees) 59.05000 (°,',"):

Lon: (decimal degrees) -136.18513 (°,',"):

Depth: (m) 214 **CTD dropped to (m):** 200

Station# 18 **WP#** ~~207~~

Comments: WROTE OVER WAYPOINT ACCIDENTALLY, USED DEFAULT LAT & LONG

Location: 5 Riggs NW of McBride

Tide Low height: -.4 **Time since Low:** 190 **Tide High height:** 6.26 **Time since High:** 97

Sampling: (Oceanography) Sonic Bottom Dive Other: **Tide Station:** MUIR

Cast Name: C 1 2 0 5 0 5 (CTD id / Dump # / Cast #)

Date: 2006 10 07 (Y Y Y Y M M D D)

Time CTD on (24 hr clock): : AKST or AKDT

Time GPS position: 12:08

Lat: (decimal degrees) 59.07196 (°,',"):

Lon: (decimal degrees) -136.53727 (°,',"):

Depth: (m) 225 **CTD dropped to (m):** 210

Station# 19 **WP#** 207

Comments:

Location: MUIR INLET

Tide Low height: -.4 **Time since Low:** 133 **Tide High height:** 6.26 **Time since High:** 130

Sampling: (Oceanography) Sonic Bottom Dive Other: **Tide Station:** MUIR

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: NAD 83

Na ENM JW

Logbook Page: 9

Cast Name: C 1 0 6 0 6 (CTD id / Dump # / Cast #)

Date: 2006/10/07 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): : AKST or AKDT

Lat: (decimal degrees) 59.0859H (°,',"):

Lon: (decimal degrees) -136.3706S (°,',"):

Time GPS position: 12:36

Depth: (m) 179

CTD dropped to (m): 170

Station# 20

WP# 203

Comments:

Location: Head of Muir

Tide Low height: -.4 **Time since Low:** 2.55 **Tide High height:** 6.26 **Time since High:** 1.08

Sampling: (Oceanography) Sonic Bottom Dive Other: **Tide Station:**

Cast Name: C (CTD id / Dump # / Cast #)

Date: 2006/10/07 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): : AKST or AKDT

Lat: (decimal degrees) 58.7902 (°,',"):

Lon: (decimal degrees) -136.1985 (°,',"):

Time GPS position: 15:55

Depth: (m) 81

CTD dropped to (m): 70

Station# 14

WP# 209

Comments:

Location: MUIR SILL

Tide Low height: 7.09 **Time since Low:** 2.90 **Tide High height:** 6.26 **Time since High:** 9.7

Sampling: (Oceanography) Sonic Bottom Dive Other: **Tide Station:** Muir

---

Cast Name: C (CTD id / Dump # / Cast #)

Date: (Y Y Y Y M M D D)

Time CTD on (24 hr clock): : AKST or AKDT

Lat: (decimal degrees) (°,',"):

Lon: (decimal degrees) (°,',"):

Time GPS position: :

Depth: (m)

CTD dropped to (m):

Station#

WP#

Comments:

Location:

Tide Low height: **Time since Low:** **Tide High height:** **Time since High:**

Sampling: Oceanography Sonic Bottom Dive Other: **Tide Station:**

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum:

Name:_____ Logbook Page: _____

Cast Name: C ☐ ☐☐☐☐ ☐☐
CTD id Dump # Cast #

Date: ☐☐☐☐☐☐☐☐
Y Y Y Y M M D D

Time CTD on (24-hr clock): ☐☐:☐☐
AKST or AKDT

Lat: (decimal degrees) ☐☐.☐☐☐☐☐
(°,',"):

Lon: (decimal degrees) ☐☐☐.☐☐☐☐☐
(°,',"):

Time GPS position: ☐☐:☐☐

Depth: (m)

CTD dropped to (m):

Station# ☐☐☐

WP# ☐☐☐

Comments:

Location:

Tide Low height: Time since Low:

Tide High height: Time since High:

Sampling: Oceanography Sonic Bottom Dive Other : Tide Station:

Cast Name: C ☐ ☐☐☐☐ ☐☐
CTD id Dump # Cast #

Date: ☐☐☐☐☐☐☐☐
Y Y Y Y M M D D

Time CTD on (24-hr clock): ☐☐:☐☐
AKST or AKDT

Lat: (decimal degrees) ☐☐.☐☐☐☐☐
(°,',"):

Lon: (decimal degrees) ☐☐☐.☐☐☐☐☐
(°,',"):

Time GPS position: ☐☐:☐☐

Depth: (m)

CTD dropped to (m):

Station# ☐☐☐

WP# ☐☐☐

Comments:

Location:

Tide Low height: Time since Low:

Tide High height: Time since High:

Sampling: Oceanography Sonic Bottom Dive Other : Tide Station:

Cast Name: C ☐ ☐☐☐☐ ☐☐
CTD id Dump # Cast #

Date: ☐☐☐☐☐☐☐☐
Y Y Y Y M M D D

Time CTD on (24 hr clock): ☐☐:☐☐
AKST or AKDT

Lat: (decimal degrees) ☐☐.☐☐☐☐☐
(°,',"):

Lon: (decimal degrees) ☐☐☐.☐☐☐☐☐
(°,',"):

Time GPS position: ☐☐:☐☐

Depth: (m)

CTD dropped to (m):

Station# ☐☐☐

WP# ☐☐☐

Comments:

Location:

Tide Low height: Time since Low:

Tide High height: Time since High:

Sampling: Oceanography Sonic Bottom Dive Other : Tide Station:

GLBA OCEANOGRAPHY CRUISE

10/05/06

10/05/06

STN 00: WATER TOW:
THE BAND ON THE NISKIN BOTTLE BROKE AND THE REPLACEMENT BAND WAS NOT THE CORRECT FIT. WE MADE A "BAND" WHICH SEEMS TO BE WORKING WELL. TOW ONE MIGHT BE SLIGHTLY LESS THAN 5 METERS. ABOUT 4.5. DUE TO MISS MEASURE OF DISTANCE FROM BUOY TO WATER. BUT CORRECTED FOR TOW AT STATION 01.

STN 01: DID NOT SEND NISKIN BOTTLE DOWN WITH CTD, DID IT RIGHT AFTER. NEXT TIME SENDING WITH CTD.

STN 02: WENT WELL, Rubber BAND WORKING!

STN 03: No problems; wind is carrying it a little diagnal. started sending it down w/ CTD

STN 04- WENT WELL

STN 05- WENT WELL

STN 06- HAD TO DO IT TWICE BECAUSE MESSENGER HIT WRONG

STN 07- WENT WELL

STN 08: STARTED TO HAVE SOME CLOSING PROBLEMS. HAD TO DO 2 CASTS.

STN 09: GOOD!

STN 10: MORE PROBLEMS WITH CLOSING. GOING TO TIGHTEN BANDS. DID 3 CASTS TO GET IT RIGHT.

STN 11: 2 CASTS BECAUSE WOULDNT CLOSE

STN 12: FIXED BANDS MUCH TIGHTER

STN 13: WORKED MUCH BETTER WITH BAND TIGHTENED.

STN 21: GOOD!

STN 16: GOOD!

STN 17: DID WATER SAMPLE TOW 2 DO TO THE NISKEN BOTTLE NOT CLOSING.

STN 18: GOOD

STN 19: GOOD

STN 20: DID 2 CAST DUE TO CLOSING ISSUES.

STN 22: GOOD

STN 23: GOOD

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

GLBA OCEANOGRAPHY

10/05/06

- LEFT BARTLETT COVE AROUND NOON. HAD TO LEAVE LATE DUE TO A BUSTED OIL LINE AND SOME REPAIRS.

GOOD WEATHER ALL DAY. CLEAR AND NO SIGN OF RED TIDE.

ANCHORED IN GIEKIE AROUND 7:30. ALL CASTS IN LOWER BAY WERE DONE ALONG WITH THOSE IN GIEKI.

LOWER BAY CASTS WERE NOT DONE ON THE FLOODING TIDE DUE TO LATE START AND CALL FOR BAD WEATHER

* CAPTAIN WANTED TO GET KY STRAIT DONE IN GOOD WEATHER.

10/06/06

DECENT WEATHER UP INTO COMPOSITE. NO RED TIDE SPOTTED. GOT UNDERWAY AROUND 7:15AM AND FOLLOWED THE FLOODING TIDE UP.

* SAW 5 WOLVES U

→

CAME BACK DOWN IN THE EVENING AND GOT #B OF THE EAST ARM. ANCHORED AROUND #1 20:30 IN ADAMS INLET.

10/07/06

CLEAR FOR LOWER EAST ARM. FOGGY UP NEAR MUIR. NO RED TIDE SEEN. STARTED WITH ST # 16 AT 9:00 AND DID EAST ARM FROM THERE. NO PROBLEMS, CTD IS WORKING GOOD.

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