

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Date: 13 July 2010

Consecutive Stn #: 1, 2, 3, 4

Station Name: PB1, PB2, PB3, PB4

Collected By: Sam & Cathy

Jan

Notes: (temperature, wind, barometer, weather, sea-state, etc)

light scattered cloud

no wind 15°C 30.14 to inches Hg

EVENT NUMBER	EVENT TYPE	TIME	LAT.	LONG.	BOTTOM DEPTH (m)	CAST DEPTH (m)	NOTES (e.g. CTD file names, bottle depths, flow meter readings, etc)
1	Grabs	8:34 PM	48° 39.016 N	123° 27.602 W	14m	14m	mixed size coarse sand & rock brownish green, w/ shells; woody debris
2	Phyto 3x	8:45	48° 39.05 N	123° 27.65 W	16m	5m	2 pulls in one jar 1 in water
3	Grabs	8:55	48° 39.067 N	123° 28.199 W	48.5m	48.5m	Coarse sand, small rocks, woody debris Abalone tubes, shells (single)
4	Phyto 3x	8:55	48° 38.963 N	123° 28.199 W	48m	5m	2 in one jar, 1 in another first jar pulled through sediment wash from grab
5	Phyto 3x	9:13	48° 39.011 N	123° 29.128 W	98m	8m	lots of sediment on 2nd tow
6	Grabs	9:14	48° 39.012 N	123° 29.131 W	109m	10m	large rocks, fine sand, green-brown rock stuck in grab water
7	Grabs	9:27	48° 39.153 N	123° 29.406 W	116m	119m	small bits of anoxic silty clay - homogeneous subtle dark grey/green or black 10% fine sand
8	Phyto 3x	9:30	48° 39.159 N	123° 29.437 W	115m	115m	single cast

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Date: 13 July 2016

Consecutive Stn #: 4

Station Name: PB34

Collected By: Joel

Notes: (temperature, wind, barometer, weather, sea-state, etc)

Wind PAFAR 2 West
 20°C 29.400 mbars Hg 2" chop
 Scattered clouds (50%)

EVENT NUMBER	EVENT TYPE	TIME	LAT.	LONG.	BOTTOM DEPTH (m)	CAST DEPTH (m)	NOTES (e.g. CTD file names, bottle depths, flow meter readings, etc)
9	core	9:46 PDT	48° 39.204 N	123° 29.550 W	120m	120m	1 st try -
10	CTD	10:00	48° 39.317 N	123° 29.736 W	116m	105m	2000713_PB34.txt

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Date: July 13, 2010

Consecutive Stn #: 52

Station Name: 52

Collected By: Kelly Roenhoever

Notes: (temperature, wind, barometer, weather, sea-state, etc)

14°C, 36.07 inches, NE 9 knots
(barometer)

EVENT NUMBER	EVENT TYPE	TIME	LAT.	LONG.	BOTTOM DEPTH (m)	CAST DEPTH (m)	NOTES (e.g. CTD file names, bottle depths, flow meter readings, etc)
11	CTD	10:57 am - 11:12 am	48° 33' 13.6" N	123° 32' 03.7" W	202 m	202 m	07132010 - 52 ↳ ankton - used 2 cast for each bottle (drifted south, moved back to stn. before bottle cast).
12	phyto	11:01 am - 11:12 am	48° 33' 13.5" N	123° 32' 03.8" W	212 m	5 m	
13	Bottle	11:28 am	48° 33' 03.3" N	123° 32' 02.5" W	212 m	100 m	0, 10, 20, 30, 50, 75, 100 (depths of bottles)
14	Net	11:50 am	48° 33' 10.3" N	123° 31' 45.7" W	212 m	100m - 52m	Flow meter reading: 387 ml - released messenger @ 60m Final 1986 ml
15	Net	12:02 am	48° 33' 15.2" N	123° 32' 02.1" W	2	50m - 0m	Initial - 986.25 Final - 39006
16	Grab	12:18 am (fail)	48° 33' 14.1" N	123° 32' 12.8" W	212 m	215 m	Description of sediments: 010 NT CLOSE Description of sediments: sulphur smell - 100% black, green, grey - few lighter layers (brown) - texture: jelly, pudding like
17	Grab	12:29 am	48° 33' 09.9" N	123° 32' 37.1" W	210 m	225 m	

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Collected By: Mia Lynn

Date: July 13th 10

Consecutive Stn #: 55

Station Name: 55

Notes: (temperature, wind, barometer, weather, sea-state, etc)

EVENT NUMBER	EVENT TYPE	PDT TIME	LAT.	LONG.	BOTTOM DEPTH (m)	CAST DEPTH (m)	NOTES (e.g. CTD file names, bottle depths, flow meter readings, etc)
23	ZOOP 1	15:25	48°42.924'	123°27.577'	100m	100m -50m	39611 - flow meter start 39873 - " " end.
24	plankton 2	15:28	48°42.903'	123°27.602'		5m	21 casts + then 3 casts.
26	ZOOP 2	15:41	48°42.981'	123°27.468'	100m (bottle dropping)	50m - 0m	39873 - flow meter start 40127 - flow end
26	CTD cast	16:58	48°42.943'	123°27.545'	110m	20m	
27	bottle cast	16:09	48°42.915'	123°27.657'	103m	0, 10, 30, 50m	depths - 0, 10, 30, 50m. Top of 50m bottle did not shut.

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Date: July 27th / 10

Collected By: Mia Kuhn

Consecutive Stn #: 55

Station Name: S5

Notes: (temperature, wind, barometer, weather, sea-state, etc)

EVENT NUMBER	EVENT TYPE	POT TIME	LAT.	LONG.	BOTTOM DEPTH (m)	CAST DEPTH (m)	NOTES (e.g. CTD file names, bottle depths, flow meter readings, etc)
28	sed grab	16:16	48°42.862'	123°27.722'	105m.	105m.	lots of water in the grab pebbles present, also bivalves mostly clay, not green colour (dark) → sandy!

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Date: July 14 2010

Consecutive Stn #: 8

Station Name: S3.5

Collected By: Tyler

Notes: (temperature, wind, barometer, weather, sea-state, etc)

Clear - no cloud cover
Cal light wind - sea surface rippled
↳ from north (~N)

Pres: 30.18

Temp: 21°C Vis: 20+

EVENT NUMBER	EVENT TYPE	TIME	LAT.	LONG.	BOTTOM DEPTH (m)	CAST DEPTH (m)	NOTES (e.g. CTD file names, bottle depths, flow meter readings, etc)
29	CTD	08:50	48° 36.864' N	123° 30.083' W	220	210	Down at 1 m/s (5' light + 3' standard)
30	Phyto	08:55	48° 36.848' N	123° 30.093' W	220	105	2 casts per jar wait 6 min w/ zoop →
31	Bottle	09:10 09:11	48° 36.832' N 769'	123° 30.091' W 30.031'	220	100	8, 18, 50, 50, 75, 100 m 6, 5, 4, 3, 2, 1 #
32	Zoop	09:41	48° 36.874'	123° 30.046'		100 - 52	Flowmeter start: 40127 Flowmeter End: 40218 Drog messenger in CTD →
33	Zoop	09:56	48° 36.847'	123° 30.015'		50 - 0	Flow Start 40418 Flow End 40699 →

* Zoop & Phyto poisoned
at 1.00 E. 1.1

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Collected By: Tyler

Date: 5/14/2010

Consecutive Stn #: 8

Station Name: S 3.5

Notes: (temperature, wind, barometer, weather, sea-state, etc)
see prev. sheet

EVENT NUMBER	EVENT TYPE	TIME	LAT.	LONG.	BOTTOM DEPTH (m)	CAST DEPTH (m)	NOTES (e.g. CTD file names, bottle depths, flow meter readings, etc)
34	600 600	10:10	48° 38.844'	12329.925'	220	220	NO WATER ON TOP OF GLOB Dark brownest Black colour ve fine → finger paint Smalls like rotten eggs Homogenous

wrong date on zoop + phytoplankton label - (Put 13th July)

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Date: July 13th / 10

Consecutive Stn #: 9

Station Name: S4

Collected By: Sandra

Notes: (temperature, wind, barometer, weather, sea-state, etc)
 Sunny & clear, no cloud cover
 minimal wind, fairly calm waters
 → no core done
 Temp: 30.14 °C / 49
 Pressure: 21 °C
 wind: 0 sea: 0

EVENT NUMBER	EVENT TYPE	TIME	LAT.	LONG.	BOTTOM DEPTH (m)	CAST DEPTH (m)	NOTES (e.g. CTD file names, bottle depths, flow meter readings, etc)
35	Sed Grab	10:38am	48° 38.268' N	123° 29.986' W	200m	200m	- spiky fragments found in sample - homogenous, dark, almost black - faint smell of rotten eggs - very fine grained, no layers visible - lower at slightly less than 1m/s
36	CTD	11:02am	48° 38.183' N	123° 29.976' W	200m	190m	
37	Phyto	11:04am	48° 38.161' N	123° 29.969' W	200m	~5m	- collected 2 jars - one sample: 409 casts, two tows - poisoned (at 12:05pm)
38	Bottle	11:20am	48° 38.210' N	123° 27.963W	200m	100m	Depth: P 10 30 50 75 100 Bottle # 6 5 4 3 2 1
39	Zoop 1	11:33am	48° 38.202' N	123° 30.004' W	200m	100-50m	flow meter start: 40637 flow meter end: 41109 messenger dropped at: ~65m
40	Zoop 2	11:49 am	48° 38.246' N	123° 30.158' W	200m	50-0m	raised @ 1m/s * net slightly bunched messenger @ ~65m

Zoop + phyto poisoned at: 10:10 am
 Page 1 of 1 zooplankton phyto

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Collected By: Kristen Long

Date: July 14th 2010

Wind East at 08-20

Consecutive Stn #: 40

Temp 19°C

Station Name: 511

Bar 30.12

Notes: (temperature, wind, barometer, weather, sea-state, etc)
sunny + clear, no cloud cover
slight wind, small chop on sea surface
visibility 20 km 2-7 clouds, sea 1/2 ft.

EVENT NUMBER	EVENT TYPE	TIME	LAT.	LONG.	BOTTOM DEPTH (m)	CAST DEPTH (m)	NOTES (e.g. CTD file names, bottle depths, flow meter readings, etc)
41	Zoopl 100-50	12:44 pm	N 48° 43.824'	W 123° 32.709'	120 m	100-50	lost some when putting in bag - wire angled (slight) - wrong end Flow meter start 41946 end 41960 in bag + closed at 49 m messenger dropped jar raised @ 1m/s v65m
42	Zoopl 2	1:00 pm	N 48° 43.840'	W 123° 32.750'	120 m	50-0	Flow meter start 41960 End: 41949 raised at 1m/s
43	CTD	1:11 pm	N 48° 43.044'	W 123° 32.716'	120 m	100	raised at 1
44	Phyto	1:00 pm	N 48° 43.840'	W 123° 32.750'	120 m	~5 m	collected 2 jars one sample: two casts, two tows poisoned at 122 pm
45	Bottle	1:32 pm	N 48° 43.984'	W 123° 32.809'	120 m	75 m	poisoned at 122 pm bottle 0 10 30 50 75 100 A 3 8 11

Zoop 1+2 and phyto poisoned at 122 pm (5% volume formalin) at start.

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Date: July 14th 2010

Collected By: Kirsten Long

Consecutive Stn #: 10

Station Name: S11

Notes: (temperature, wind, barometer, weather, sea-state, etc)

EVENT NUMBER	EVENT TYPE	TIME	LAT.	LONG.	BOTTOM DEPTH (m)	CAST DEPTH (m)	NOTES (e.g. CTD file names, bottle depths, flow meter readings, etc)
46	Sed Grab	1:45pm	N 48° 43.894	W 123° 32.749	120m	120m	contains shells. fine grained. mat to fine sand. lighter color, green-khaki in small
47	Gravity Core	2:08	N 48° 43.929	W 123° 32.880	120m	140m	top 2cm.

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Date: July 14, 2010

Consecutive Stn #: 11

Station Name: SAS

Collected By: Nicolas Cooper

Notes: (temperature, wind, barometer, weather, sea-state, etc) vis: 20 Nm
Sunny + clear, no clouds or S.S.
wind: 10 mi SE, small white caps 30.03 inches of mercury

EVENT NUMBER	EVENT TYPE	TIME	LAT.	LONG.	BOTTOM DEPTH (m)	CAST DEPTH (m)	NOTES (e.g. CTD file names, bottle depths, flow meter readings, etc)
48	Gravity Core	2:30pm	48° 45.000' N	123° 36.780' W	50	50	~3 inches sediment
49	Sed Grab 1	2:45pm	48° 45.099' N	123° 36.012' W	50	50	clay invertebrates (worms?) muddy-green - brown no shell
50	Sed Grab 2	3:00pm	48° 45.331' N	123° 37.123' W	25	25	brn flecks - wood? shell fragments
51	CTD	3:10pm	48° 45.090' N	123° 36.795' W	50	40	woody debris; silt & clay debris than grab 1, more organic melt to log booms, green worm located at ~1m/s
52	Phyto Net	3:10	"	"	50	5	2 casts / tows → 1 jar rope angled

Water Chemistry Sampling

University of Victoria

Cruise Name: EOS 313

Date: 13-07-10

Station Name: S2

Time: 11:28 am PDT

Consecutive Station#: 5

Sampler Names: Orla Oboke

Event Number: 13

+ Joel white

Niskin Bottle	Desired Depth (m)	Nutrients bottle#	Chlorophyll vial#	Vol filtered(ml)
1	100	✓✓✓	/	/
2	75	✓✓✓	/	/
3	50	✓✓✓	50	250ml
4	30	✓✓✓	30	250ml
5	20	✓✓✓	/	/
6	10	✓✓✓	10	250ml
7	0	✓✓✓	0	250ml
8	/	/	/	/

NOTES:

The penciled depths are accurate on the Nut labels.

Water Chemistry Sampling

University of Victoria

Cruise Name: Sen 2010 07

Date: July 13, 2010

Station Name: S3

Time: 1:47pm

Consecutive Station#: 6

Sampler Names: Sean, Kelly

Event Number: 20

Niskin Bottle	Desired Depth (m)	Nutrients bottle#	Chlorophyll vial#	Vol filtered(ml)
1	100	✓✓✓		
2	75	✓✓✓		
3	50	✓✓✓	✓	250
4	30	✓✓✓	✓	250
5	10	✓✓✓	✓	250
6	10	✓✓✓	✓	255
X				
X				

NOTES:

Water Chemistry Sampling

University of Victoria

Cruise Name: EOS 313

Date: 13 July 2010

Station Name: SS

Time: 16:15

Consecutive Station#: 7

Sampler Names: Derek Adams

Event Number: 23

+ Deven Werewa

Niskin Bottle	Desired Depth (m)	Nutrients bottle#	Chlorophyll vial#	Vol filtered(ml)
1	50	111	✓	250ml
2	30	111	✓	250ml
3	10	111	✓	250ml
4	0	111	✓	250ml
5		111		
6				
7				
8				

NOTES:

Water Chemistry Sampling

University of Victoria

Cruise Name: EOS 313-81

Date: July 14th 2010

Station Name: S3.5

Time: 9:23 Finished at 9:56

Consecutive Station#: 8

Sampler Names: _____

Event Number: 31

Zoe Sandwith, Kirsten Long

Niskin Bottle	Desired Depth (m)	Nutrients bottle#	Chlorophyll vial#	Vol filtered(ml)
1	100 m	✓✓✓	✓	250
2	75 m	✓✓✓	✓	
3	50 m	✓✓✓	✓	250 ml
4	30 m	✓✓✓	✓	250 ml
5	10 m	✓✓✓	✓	250 ml
6	0 m	✓✓✓	✓	250 ml
7				
8				

NOTES: Go team!

Chlorophyll filters were put in the freezer ~15 mins after we finished.

lots of pens don't work!

[Handwritten scribbles and notes at the bottom left corner]

[Handwritten scribbles at the bottom right corner]

Water Chemistry Sampling

University of Victoria

Cruise Name: Eos 313

Date: July 14, 2010

Station Name: S4

Time: 11:30 am

Consecutive Station#: 9

Sampler Names: Kimberley

Event Number: 38

Fitzsimmons, Susan Anthony

Niskin Bottle	Desired Depth (m)	Nutrients bottle#	Chlorophyll vial#	Vol filtered(ml)
1	100m	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	/	/
2	75m	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	/	/
3	50m	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	✓	✓
4	30m	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	✓	✓
5	10m	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	✓	✓
6	0m	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	✓	✓
7				
8				

1178 vol filt.
am

NOTES: Yellow = SiO₂
Blue = PO₄
Green = NO₃

refilled fsw
from

dropped and replaced
2 caps

250mL each for vol filt.

Water Chemistry Sampling

University of Victoria

Cruise Name: Eos 313

Date: July 14, 2010

Station Name: S11

Time: 12:30

Consecutive Station#: 10

Sampler Names: Alex, Skimmer

Event Number: 45

Nicolas Caspari

Niskin Bottle	Desired Depth (m)	Nutrients bottle#	Chlorophyll vial#	Vol filtered(ml)
1	75	NJV		
2	50	NJV	✓	250ml
3	30	NJV	/	250ml
4	10	NJV	✓	250ml
5	0	NJV	✓	250ml
6	0			
7				
8				

NOTES:

July 2010
OSM 201007

OCEAN SCIENCES STRICKLAND CTD LOG

DATE (dd- mmm)	local TIME (GMT)	LAT.	LONG.	STN NAME	BOTTOM DEPTH (m)	CAST DEPTH (m)	CTD File Name
13 July	10:00	48 39.317 N	123 29.736 W	PB4	116m	105m	20100713-PB4_hex
13 July	11:06	48 33.136 N	123 32.037	S2	242m	202m	20100713-S2
13 Jul.	13:22	48 35.558 N	123 30.031 W	S3	224m	212m	20100713-S3
13 Jul	15:53	48 42.943	123 27.545	S5	110m	80m	20100713-S5
14 Jul	08:50	48 36.864 N	123 30.083 W	S3.5	220m	210m	20100714-S3.5
14 Jul	11:00	48 38.183 N	123 29.976 W	S4	200m	190m	20100714-S4
14 Jul	13:11	48 43.044 N	123 32.715 W	S11	120m	100m	20100714-S11
14 Jul.	15:10	48 45.090	123 36.795 W	S13	50m	40m	20100714-S13