

OCEAN SCIENCES STRICKLAND CTD LOG

DATE (dd-mm)	TIME (hh:mm)	LAT.	LONG.	STN NAME	BOTTOM DEPTH (m)	CAST DEPTH (m)	CTD File Name
19 May	1137 local	48° 33.148 N	123° 31.969 W	S2	214	200	20090519-S2
"	1318	48° 33.910 N	123° 30.446 W	S2.5	231m	215m	20090519-S25
19 May	1343	48° 35.475	123° 30.211 W	S3	228m	215	20090519-S3
19 May	1459	48° 36.844	123° 28.909	S3.5	222	210	20090519-S35
19 May	1702	48° 40.210	123° 31.195	S14	98	90	20090519-S14 (body)
19 May	1905	48° 38.302	123° 29.982	S04	196	180	20090520-S4
20 May	1247	48° 42.928	123° 27.617	S05	120	110	20090520-S5
20 May	1244	48° 42.463'	123° 28.297	S12.5	79	66	20090520-S125
20 May	1340	48° 45.048	123° 36.189	S13	60m	50m	20090520-S13
20 May	1500	48° 41.823	123° 30.196	S12	65	55	20090520-S12
20 May	1549	48° 40.256	123° 30.033	S45	158	148	20090520-S45

OCEAN SCIENCES STRICKLAND EVENT LOG

ESSEL: Strickland

Date: May 19/09

5172
date
depth
amount

Collected By: Kris + Anna

Consecutive Stn #: PB1

Station Name: PB1

Notes: (temperature, wind, barometer, weather, sea-state, etc)
Sunny + warm ~ 12°C
W-210N wind
29.96 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)
1	Sed. grab	0939	48° 39.029 N	123° 27.589 W	14m	14m	medium sand worms light-felsic colour no shells etc seaweed present, small sed. no clay + vegetation
2	plankton	0939	48° 39.029 N	123° 27.589 W	14m	5m	two-layers concentrated
3	Sed. grab	0953	48° 38.847 N	123° 28.464 W	50m	50m	bottom weeds, darker sed than amphipods, PB1 coarse sand w/ small - medium gravel worms more abundant large pebbles
4	plankton	0953	48° 38.847 N	123° 28.464 W	50m	5m	2-casts concentrated
5							

OCEAN SCIENCES STRICKLAND EVENT LOG

ESSEL: Strickland

ite: May 19th, 2009

Collected By: Ties, group

insecutive Stn #: PB3

ation Name: PB3

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)
5	sediment grab	10:11am	48° 39.005	123° 29.027	98 m	98 m	- anoxic (smelly) ^{high sulfur content} - dark & silty mud - no apparent biological matter ^{found one} - soft, fine grained sediment.
6	plankton tow	10:11am	48° 39.005	123° 29.027.	110 m	5 m	- 2 samples - concentrated (most so far) - light brown
7	core sample	10:22am	48° 39.997	123° 29.014	100 m	100 m	- ~20 cm dark fine sediment layer - ~5 cm surficial sediment interface layer (bacteria) ^{cream colour}
8	CTD						
9	plankton tows						

OCEAN SCIENCES STRICKLAND EVENT LOG

ESSEL: Strickland

ite: May 19, 2009

Collected By: Jon Hey

onsecutive Stn #: 4

ation Name: SR

Notes: (temperature, wind, barometer, weather, sea-state, etc)
29.93 bar Calm sea state
13°C overcast.
12 kn from W.

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)
8	CTD	1137	43° 33.14' N	123° 31.96' W	214m	200m	40m/min drop
9	CTD	1220	"	"	"	195m	9 10 25 50 75 100 150 195 bottle depths. ✓ ✓ ✓ ✓ ✓
10	Anyto 200m drop	1137	"	"	"	5m	Done.
11	Sed 50m	1243	"	"	215 215m	215m	Strong odour, woody debris very fine, dark light & dark mixture
12	sed core	1253	"	"	215m	215m	lighter at bottom - very fine, dark

OCEAN SCIENCES STRICKLAND EVENT LOG

ESSEL: Strickland

ite: May 18/09

Collected By: Steve & Jon

onsecutive Stn #: 52.5

ation Name: 52.5

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

12 C, 7 knots, 29.5 bar, fair

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)
13	CTD	1518	48°33.910N	123°30.446W	231m	215m	descended @ 1m/s 20070319-52.5

OCEAN SCIENCES STRICKLAND EVENT LOG

ESSEL: Strickland

Date: May 19th 1991

Collected By: _____

Consecutive Stn #: 53

Station Name: S3

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)
16	CTD	1.42 pm	48°35.475	123°30.211	228m	215m	Back @ surface by 1.58 pm
16	bottle's	2.57 pm	48°35.475	123°30.211	228m	200m	At 0m, 10m, 25m, 50m, 75m, 100m, 150m, 200m
16	sediment grab	1.49 pm	48°35.475	123°30.211	228m	228m	Intermediate concentration • mostly diatoms? appeared to be
17	sediment grab	1.44 pm	48°35.475	123°30.211	228m	228m	• jelly-like (sluggish) • smelly (subtle) • very dark, darkest • very fine sediment • biological material = none! ^{70m, 150m, 200m} • very anoxic

OCEAN SCIENCES STRICKLAND EVENT LOG

ESSEL: Strickland

te: May 19, '09

Collected By: Thomas Van Manen

Consecutive Stn #: _____

Station Name: S3.5

Notes: (temperature, wind, barometer, weather, sea-state, etc)
 29.93 in Hg
 16°C
 14 drop
 W 5 km

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)
18.5	CTD	15:00	48°36.844'	123°28.909'	272m	210m	descended @ 272 - 1 m/s ascended @ 210 - 1 m/s 20090519_S35 (data more accurate on descent)
19	ADCP transect started @	15:32					

OCEAN SCIENCES STRICKLAND EVENT LOG

ESSEL: Strickland

Date: May 19th, 2009

Collected By: _____

Consecutive Stn #: 814

Station Name: S14

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)
20	sediment grab	4:50pm	48° 40.210	123° 31.195	98m	98m	(more green & sandy) = found worms! - not muddy = little bit of plant matter = less jelly-like & more solid than black mud
21	CTD	5:00pm	48° 40.210	123° 31.195	98m	98m	
21	photograph	4:50pm	48° 40.210	123° 31.195	98m	5m	2 casts dark brown.

OCEAN SCIENCES STRICKLAND EVENT LOG

ESSEL: Strickland

Date: 20/05/09

Collected By: Rebecca S. Duster

Consecutive Stn #: _____

Station Name: SY _____

Notes: (temperature, wind, barometer, weather, sea-state, etc)
Sunny, few clouds, little wind, calm water

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)
23	CTD	9:05	N 48° 38.30'	W 123° 29.98'	196m	180m	one cast wind
24	Phyto tow	9:05	N 48° 38.30'	W 123° 29.98'	196m	5m	Plankton accumulated in tow. two casts 5m each
25	Bottle	9:42	N 48° 38.24'	W 123° 30.04'	196m	180m	0 10 25 50 75 100 150 180
26	Phyto tow	9:55	48° 38.25'	123° 30.04'	196m	30m	Rope was slightly angled So may not have gotten to 30m depth, roughly a 20° angle
27	Sediment	10:15	48° 38.320'	123° 30.050'	200m	200m	Sediment Scooped from top black, sulphur smell no active life, fine grained

ATA PASSION

511

Collected By: Andrew Sutherland

5

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

11.30. sunny st, little wind, few clouds.
some sunnier clouds.

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OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Date: May 20 2009

Consecutive Stn #: _____

Station Name: S12.5

Collected By: Jenna Stoner

Notes: (temperature, wind, barometer, weather, sea-state, etc)
overcast, light wind from East, seas calm,

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)
33	CTD	1244	48°42.447'	123°28.293'	78	66	file: 20090520-S125 read at 340 m/min one cast

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Date: May 20/09

Collected By: _____

Consecutive Stn #: 513

Station Name: _____

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)
34	CTD	13h 40	N48° 45.048	W123° 36.189	60	50	
35	zoo tow	13h 44	N48° 45.040	W123° 36.176	60	50	2 casts
36	sed	13h 55	N48° 45.068	W123° 36.268	60	60	green/grey - very fine grained - organics - oric - organic found, few shells
37	core	14h 00	N48° 45.068	W123° 36.268	60	60	~ 3 inches sed obtained

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Date: 20 May 2009

Collected By: Jenna Stoner

Notes: (temperature, wind, barometer, weather, sea-state, etc)
overcast, light wind from ENE, calm seas.

Consecutive Stn #: 512

Station Name: S12

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)
38	sed. grab	141117	48°41.836'	123°30.209'	72	72	gray (colour w/ some solid bits) fine grained (sand) - maybe some trace of benthic organisms
39	Phytoplankton	141117	48°41.839'	123°30.216'	72	5	2 casts - dark yellow-brown colour, clear
40	CTD	151100	48°41.923'	123°30.196'	65.5	55	readings 40m/min
41	Bottles	151123	48°41.888'	123°30.361'	65	0, 10, 25, 850	- total of 4 bottles

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: STRICKLAND

DATE: May 20th, 2009

Collected By: Dugan

Consecutive Stn #: 544

Station Name: S 4,5

Notes: (temperature, wind, barometer, weather, sea-state, etc)
Partly cloudy, light winds, calm water, warm(ish)

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)
42	CTD	15:49	N 48° 40.256'	W 123° 30.033'	158	148	Readings at ~40m/min Gk: 20090520-545

Water Chemistry Sampling

University of Victoria

Cruise Name: EOS 313

Date: 19 May 2009

Station Name: S2

Time: 12:00 pm

Consecutive Station#: _____

Sampler Names: Kristina

Event Number: _____

& Anna

S2
 m
 19 May
 09.0
 Event #

#001
 S2
 0 m
 19 May 09

Niskin Bottle	Desired Depth (m)	Nutrients bottle#	Chlorophyll vial#	Vol filtered(ml)
18	0	001	✓	485 250
27	10	002	✓	250
36	25	003	✓	250
45	50	004	✓	250
54	75	005		
63	100	006		
72	150	007		
81	195	008		

NOTES:

Water Chemistry Sampling

University of Victoria

Cruise Name: EOS 313

Date: 19 May 2009

Station Name: S3

Time: 2:30 pm

Consecutive Station#: _____

Sampler Names: Shea,

Event Number: _____

Ryan, ~~Ben~~ Ashley

Niskin Bottle	Desired Depth (m)	Nutrients bottle#	Chlorophyll vial#	Vol filtered(ml)
18	0	009	/	250
27	10	010	/	250
36	25	011	/	250
45	50	012	/	250
54	75	013		
63	100	014		
72	150	015		
81	200	016		
NOTES:				

Water Chemistry Sampling

University of Victoria

Cruise Name: _____

Date: May 20th 2009

Station Name: 54

Time: 10:52

Consecutive Station#: ~~24~~

Sampler Names: Jenna,

Event Number: ~~24~~ 25

Joelle, Andrew

Niskin Bottle	Desired Depth (m)	Nutrients bottle#	Chlorophyll vial#	Vol filtered(ml)
18	0	17	✓	247
17	10	18	✓	251
16	25	19	✓	250
15	50	20	✓	242
14	75	21		
13	100	22		
12	150	23		
11	180	24		

NOTES:

Water Chemistry Sampling

University of Victoria

Cruise Name: _____

Date: May 20th 2009

Station Name: 55

Time: 12:40 PM

Consecutive Station#: _____

Sampler Names: Kevin,

Event Number: 32

Lisa, Claudia

Niskin Bottle	Desired Depth (m)	Nutrients bottle#	Chlorophyll vial#	Vol filtered(ml)
1	75	29		
2	50	28	✓	250
3	25	27	✓	255
4	10	26	✓	245
5	0	25	✓	245
6				
7				
8				
NOTES:				

Water Chemistry Sampling

University of Victoria

Cruise Name: EOS 313

Date: May 20/09

Station Name: S12

Time: _____

Consecutive Station#: _____

Sampler Names: Adam

Event Number: 41

Karen, Jamie

Niskin Bottle	Desired Depth (m)	Nutrients bottle#	Chlorophyll vial#	Vol filtered(ml)
1	0	30		250
2	10	31		250
3	25	32		250
4	50	33		250
5				
6				
7				
8				

NOTES: