

EOS/B10L 311

201409

OCEAN SCIENCES STRICKLAND CTD LOG

DATE (dd-mm)	local TIME (UTC)	LAT.	LONG.	STN NAME	BOTTOM DEPTH (m)	CAST DEPTH (m)	CTD File Name
29 Sept	1050	48 35.5	123 30.0	S3a	228	220	20140929_S3a
29 Sept	1319	48 38.281	123 29.989	S4a	197	190	20140929_S4a
29 Sept	1342	48 40.162	123 30.029	S45a	161	155	20140929_S45a
30 Sept	0940	48 37.745	123 15.290	H3a	185	175	20140930_H3a
"	1250	48 40.630	123 16.580	H2a	174	165	20140930_H2a
	1323	48 42.889	123 15.314	H1a	268	258	20140930_H1a
1 Oct	1129	48 45.192	123 18.502	S6a	138	128	20141001_S6a
1 Oct	1204	48 44.495	123 23.633	S8a	90	80	20141001_S8a
1 Oct	1500	48 42.946	123 27.602	S5a	123	113	20141001_S5a
2 Oct	1050	48 51.289	123 35.089	S10a	194	188	20141002_S10a
2 Oct	1409	48 47.953	123 33.162	S9a	170	160	20141002_S9a
2 Oct	1450	48 44.017	123 32.833	S11a	147	135	20141002_S11a

OCEAN SCIENCES STRICKLAND CTD LOG

DATE (dd-mm)	Local TIME (UTC)	LAT.	LONG.	STN NAME	BOTTOM DEPTH (m)	CAST DEPTH (m)	CTD File Name
3 Oct	10:18	48 37.359	123 15.103	H3b	193	180	20141003-H3b
3 Oct	12:31	48 40.583	123 14.357	H2b	203	190	20141003-H2b
3 Oct	^{14:05} 2:05	48 42.932	123 15.444	H1b	250	240	20141003-H1b
4 Oct	11:08	48° 35.516'	123° 30.012'	S3b	227	217	20141004-S3b
4 Oct	13:41	48° 38.403'	123° 29.972	S4b	196	186	20141004-S4b
4 Oct	14:09	48° 40.150'	123° 29.98	S4.5b	160	150	20141004-S4.5b
5 Oct	11:25	48 51.322	123 35.129	S10b	195	185	20141005-S10b
5 Oct	2:14:19	48° 48.011	123° 33.062	S9b	165	155	20141005-S9b
5 Oct.	3:04:10	48° 44.057	123° 32.811	S11b	150	140	20141005-S11b
6 Oct	10:45	48 42.952	123 27.631	S5b	120	110	20141006-S5b
6 Oct	11:21	48 44.606	123 23.726	S8b	60	50	20141006-S8b
6 Oct	14:19	48 45.152	123 18.549	S6b	128	118	20141006-S6b

CTD: <1m/sec

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: StricklandCollected By: Sarah PickeringDate: 29/09/2014Consecutive Stn #: 1Station Name: S3A

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

water temp. @ 1m: 13.2°C

showers, sunny breaks.

light breezes... slight chop.

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	CTD	10:50	48°35.5	123°30.009	228m	220m	220m 20140929_S3a_hex
2	NISK1	10:55 11:07	"	"	"	175m	30, 75, 100, 125, 150, 175m let out (0, 25, 50, 100, 125, 150, 175)
3	NISK2	11:28	"	"	"	40m	0, 15, 10, 20, 30, 40m (let out: 0, 10, 20, 30, 35, 40)
4	Zoop1	11:48	"	"	"	100m	100-50m ~64m drop messenger flow start: 35973 revolutions 100-53m, flow end: 36200
5	Zoop2	11:	"	"	"	50m	50-0m flow start: 36200 revs. flow end: 36480

CTD 40m/min.

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: StricklandCollected By: Alexa SeymourDate: Sept 29/14Consecutive Stn #: 2Station Name: S4a

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

raining, slightly windy.
on and off

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)
6	Zoop 1	12:17 pm	48° 38.28' N 120° 59.70' W	123° 29.989	200	100m	Flow meter 36478 → 36820 100-51m.
7	Zoop 2	12:29 pm	48° 38.37' N	123° 30.007 W	200	50m	Flow meter 36820 → 37200 50-0m
8	NISK 1	12:44 pm	"	"	200	175	50, 75, 100, 125, 150, 175
9	NISK 2	1:11 pm	"	"	200	40	0, 5, 10, 20, 30, 40
10	CTD	1:19 pm	"	"	190	190	40m/min. 20140929-S4a

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Collected By: Nova Hanson

Date: Sept 29/14

Consecutive Stn #: 3

Station Name: S4.5a

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

sunny with clouds. windy. slight wave-action.
on and off

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	1:42pm	48°40.162'	123°30.029'	161 m	155m	20140929_S45a_hex anoxic All oxic! 150 100 75 50 25
12	NISK1	1:50pm 1:59pm	48°40.190'	123°30.069'	161 m	150 m	50, 75, 100, 125, 150m ↓ ↓ ↓ ↓ ↓ → → → → →
13	NISK2	2:18pm	" "	" "	" "	40m	0, 5, 10, 20, 30, 40 m ↓ ↓ ↓ ↓ ↓ → → → → →
14	ZOOP1	2:33pm	" "	" "	" "	100m	50-100 m hit at 49m FM: 37200 37200 - 37459
15	ZOOP2	2:45pm	" "	" "	" "	50m	0-50 m FM: 37459 - 37766

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Collected By: Hayden Palmer

Date: Sept. 30, 2014

Consecutive Stn #: 4

Station Name: H3A

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

warm, sunny day, light breeze, little to no waves

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	9:40am	N 48° 37.745	W 123° 15.290	185m	175m	soak time 1 min. 111 20140930-H3a.hex
17	Nisk 1	10:09am	"	"	"	50, 75, 100, 125, 150, 170m 150m	50, 75, 100, 125, 150, 170m 10 10 25 10 5 35 75 100 125 150 170
18	Nisk 2	10:29am	"	"	"	0, 5, 10, 20, 30, 40m 100m	0, 5, 10, 20, 30, 40m * leakage at 20m bottle 10 10 10 10 10 0 40 30 20 10 0
19	Zoop 1	10:45am	"	"	"	100-50m 100m	100m-50m. Before: 37760 after: 38,078 closed at: 55m Nesse 119er dropped at 66m
20	Zoop 2	11:00am	"	"	"	50-0m 50m	50m-0m. Before: 38,078 after: 38,500

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Collected By: Sustin Schauble and

Date: Sept. 30 14

Erin Eidsvik

Consecutive Stn #: 5

Station Name: H2a

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

- Temperature - 17°C air

- 25% cloud cover

- calm sea

- 12.5°C water

- Barometer 30.12

- light wind.

- 15 mile visibility

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)
21	Zoop 1	11:34	N 48° 40.624'	W 123° 16.528'	190	100-50m	flow metre before: 38510 flow metre after: 38850 57 close
22	Zoop 2	11:49	N 48° 40.614'	W 123° 16.575'	190	50-0m	38850 - flow metre before 39300 - flow metre after - some water came out of whirl bag
23	NISKI	12:12	N 48° 40.589'	W 123° 16.566'	190	175-50	50, 75, 100, 125, 150, 175 definitely possibility of last bottle sampling the bottom. 123m depth by end
24	NISKI	12:38	N 48° 40.581'	W 123° 16.580'	190	0-40	0, 5, 10, 20, 30, 40 - surface Niskin leaking
25	CTD	12:50	N 48° 40.630'	W 123° 16.580'	174	168	- 2014 09 30 - H2a

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Collected By: Michael C and Justin S

Date: 30 Sep 2014

Consecutive Stn #: 6

Station Name: H1a

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

- Calm sea - 50% cloud cover
- Calm wind - Temperature = mild - cool

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)
26	CTD	13:23	48°42.889	123°15.314	268	258	10 above bottom 20140930-H1a
27	NISK1	13:42	48°42.890	123°15.307	262	225-50	50, 75, 100, 125, 150, 175, 225
28	NISK2	14:11	48°42.914	123°15.276	262	40-0	0, 5, 10, 20, 30, 40
29	ZOOP1	14:33	N 48° 42.895	W 123° 15.343	262	100-53	Initial flow meter - 39630 100-53 Final flow meter - 39636
30	ZOOP2	14:54	N 48° 42.855	W 123° 15.333	262	50-0	Initial Flow meter - 39630 Final " " - 40100

50	75	100	125	150	175	225
✓	✓	✓	✓	✓	✓	✓
Wire	out	✓	✓	✓	✓	✓
175	150	125	100	75	50	0

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Collected By: Corey F.

Date: Oct. 1 2014

Consecutive Stn #: 7

Station Name: S6a

Notes: (temperature, wind, barometer, weather, sea-state, etc)
 water temp. = 11.2°C * Early messenger deployment for Zoop I at 100m
 Cloudy, calm, Partly Cloudy @ 10:13:33AM => Sun @ 10:58:14AM 10:13:33 AM
~~WPAH~~ 4m/s reel. No wind Time at location: 11:29:29 AM

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)
31	Zoop 1	10:13:33 AM	48° 45.182' N 48° 45.150' N	123° 18.457' W 123° 18.497' W	138 134	100-50 500-51	40140 - flow reading i = 40710 FR _s 40310 Deep mess. = 62m Actual depth = 50m Actual depth = 51m 1m/s reel
32	Zoop 2	10:25:51 AM	48° 45.240' N	123° 18.482' W	142	50-0	FR _i = 40710 FR _s = 41030 50m = actual depth 1m/s reel
33	Nisk 1	10:51:38 AM	48° 45.196' N	123° 18.490' W	136	50 = 4* 75 = 3* 100 = 2* 125 = 1*	trip 50 10:51:11 AM } Not important trip 25m 10:51:19 AM } trip 25m 10:51:22 AM } trip 25m + 25m + 25m + 50m : 10:51:38 AM
34	Nisk 2	11:12:29 AM	48° 45.217' N	123° 18.464' W	140	0 = 4* 5 = 7* 10 = 5* 20 = 2*	trip 5 = 7* # 1 = 0m (no trip) trip 5 + 5 = 5* trip 10 + 5 + 5 = 2* trip 10 + 10 + 5 + 5 = 4* trip 10 + 10 + 10 + 10 + 5 + 5 = 4*
35	CTD	11:29:29 AM	48° 45.192' N	123° 18.502' W 138	138	128	C = T = D = CTD file name = 40m/min = ~ 0.6m/s

$$40m \times \frac{1min}{60s} = 0.666m/s$$

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Collected By: Katie H.

Date: Oct. 1, 2014

Consecutive Stn #: 8

Station Name: 58a

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

(weather: sun, few clouds. sea-state: (slight swell) relatively flat.

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)
36	CTD	12:04:35 12:08:00	N 48°44.495 W 123°23.633		90m	80m	CTD: 20141001-58a edown ~ 1 m/sec (240m/min).
37	Niskin1	12:18:00 12:29:05	N 48°44.478 478	W 123°26.010	90m	70m — #4 60m — #9 50m — #2	
38	Niskin2	12:30:54 time mess drop: 12:39:57	N 48°44.436 refire of mess. time: 12:52:53	W 123°23.645	85m	40m — #5 30m — #7 20m — #1 10m — #44 5m — #blue 42 0m — #blue 2	(★ misfire on the messenger x1)
39	Loop 1	1:04:35	N 48°44.506	W 123°23.589	89m	50-0m	flow meter @ bottom: 41030 " " @ top: 41370 speed ≤ 1 m/sec.
40	40					110	

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Collected By: Lindsay Dearly

Date: 10/01/2014

Consecutive Stn #: 9

Station Name: S5a

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)
40	Zoopl	1:47	48°42.978'	123°27.541'	120	100 - 50.5	41470 42660
41	Zoopl	2:02	48°42.956'	123°27.562'	121	50-0	42660 * 1/5 of the jar 42860 was lost
42	Nisk1 50 60 70 80 90	2:28	48°42.935'	123°27.621'	122	50-60-70- 80-90	
43	Nisk2 0 5 10 20 30 40	2:50	48°42.949'	123°27.599'	123	0-5-10- 20-30-40	
44	CTD	3:00	48°42.946'	123°27.602'	123	113	CTD was cleaned @ end of day.

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Collected By: Armando Garcia-Castillon

Date: 10/02/2014

Consecutive Stn #: 10

Station Name: S10a

Notes: (temperature, wind, barometer, weather, sea-state, etc)
weather: calm sea, partly cloudy, sunny

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)
45	CTD	10:50AM	N 48° 51.289'	W 123° 35.089'	194m	182m	10 above bottom water temp: 12.6°C → 12.6°C 20141002-S10A
46	NISK1	11:10AM	N 48° 51.283'	W 123° 35.074'	194m	175m	50, 75, 100, 125, 150m, 175m (125 100 75 50 25 0) wire out.
47	NISK2	11:37AM	N 48° 51.290'	W 123° 35.081'	194m *193m	40m	0, 5, 10, 20, 30, 40m (40 35 30 20 10 0) wire out
48	ZOOP1	11:58AM	N 48° 51.275'	W 123° 35.095'	195m	100m	100-50m *100-55m FMR: 41855-42083
49	ZOOP2	12:18PM	N 48° 51.299'	W 123° 35.100'	201m	50m	50-0m FMR: 42083 - 42400

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Collected By: Lavin Jones

Date: Oct 2 2014

Consecutive Stn #: 96

Station Name: S9a

Notes: (temperature, wind, barometer, weather, sea-state, etc)
low wind, mid temp, calm seas, slightly overcast with dew patches

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)
50	ZOOP1 (100-50m)	12:55	N 48° 48.072'	W 123° 33.219'	170	100-52	FM 42400 - 42780
51	ZOOP2 (50-0m)	1:48	N 48° 47.912'	W 123° 33.041'	170	50-0	FM 42780 - 43108
52	NISK1	1:36	N 48° 48.000'	W 123° 33.225'	170	150-	15, 150, 125, 100, 75, 50 (100 75 50 25 0 wire out) 50m bottle not sealed
53	NISK2	1:56	N 48° 47.999'	W 123° 33.222'	170	40-	40, 30, 20, 10, 5, 0
54	CTD	2:09	N 48° 47.953'	W 123° 33.162'	170	160	20141002-S9a

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Collected By: Nick Campbell

Date: 2 Oct 2014

Consecutive Stn #: 12

Station Name: S11a

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

14°C, 8 knots SE, 33, cloudy, ripple

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)
55	CTD	14:50	48°44.017	123° 32.833	147	135	20141002-S11a
56	NISK 1	15:00	48.43.973	123° 32.772	139	125	50, 75, 100, 125 (95) (50) (25) (0) wire out
57	NISK 2	15:20	"	"	136	40	0, 5, 10, 20, 30, 40 (5) (10) (10) (10) (0)
58	Zoop 1	15:37	48° 44.006	123° 32.773	140	100	100-50 start flow 43105 end 43343
59	Zoop 2	15:51	"	"	140	50	50-0 start flow 43343 end 43638

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Collected By: Hayley Atkins

Date: Oct. 3/14

Consecutive Stn #: 74

Station Name: H26

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

sunny, calm, low - no wind, 16°C air temp, 10.7°C water temp
50% cloud cover

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)
65	NISK1	11:58:32	N 48°40.589	W 123°16.367	200 m	150 m	050, 75, 100, 125, 150 100 75 50 25 out
66	NISK2	12:19:07	N 48°40.583	W 123°16.373	199 m	40 m	050, 10, 20, 30, 40 40 20 10 5
67	CTD	12:31:53	N 48°40.583	W 123°16.357	203 m	190 m	20A1003-H26
68	ZOOP	12:55:16	N 48°40.505	W 123°16.398	200 m	100-49m	100-49m start: 44390 FM 100-50m end: 45800 FM 44390 flow meter
69	ZOOP	13:07:30	N 48°40.534	W 123°16.390	206 m	50-0 m	50-0 m start: 45800 FM end: 45180 FM

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Collected By: _____

Date: Oct 3/14

Consecutive Stn #: 15

Station Name: H1b

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

Calm water, no wind, cloudy

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)
70	Zoopl 1	1:37	48°42.867' N	123°15.477' W	252m	100m - 50m	Flow readings: start 45 280 end 45 500 * closed at (46m) *
71	Zoopl 2	1:52	48°42.941'	123°15.331'	252m	50m - 0m	Flow readings: start 45 500 end 45 750 Lost some sample ~50mL?
72	CTD	2:05	48°42.932'	123°15.444'	250m	240m	
Niskin 1	73	2:30pm	48°42.956' N	123°15.282' W	250m	200m	50, 75, 100, 125, 150, 200m 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100, 105, 110, 115, 120, 125, 130, 135, 140, 145, 150, 155, 160, 165, 170, 175, 180, 185, 190, 195, 200m
Niskin 2	74	2:58pm	48°42.931' N	123°15.103' W	250m	40m	0, 5, 10, 20, 30, 40m 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100, 105, 110, 115, 120, 125, 130, 135, 140, 145, 150, 155, 160, 165, 170, 175, 180, 185, 190, 195, 200m → possible contamination from tarthing lids

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Collected By: Stephanie Korolyk

Date: 4-Oct-2014

Consecutive Stn #: 16

Station Name: S3b

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

Calm water

No wind

occasional rain, cloud cover

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)
75	Niskin 1	10:39	48°35.539' N	W 123°30.019'	226m	200m	Deep 50-75-100-125-150-175-200 Temp. 12.7°C of water 7 bottles tripped
76	Niskin 2	10:53	N 48°35.505'	W 123°30.041'	226m	40m	Shallow 0-5-10-20-30-40
77	CTD	11:08	N 48°35.516'	W 123°30.012'	227m	217m	Cast at 1m/s Brought up at 2m/s
78	Zoop 1	11:37	N 48°35.500'	W 123°29.996'	227	100-47 50-0	Flow meter reading: Before: 46 45750 After: 46010 Messenger tripped net closed 47m
79	Zoop 2	11:51	N 48°35.489'	W 123°29.976'	226	50-0	Flow meter reading Before: 46010 After: 46240

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Collected By: kyle Beer

Date: 4-Oct-2014

Consecutive Stn #: 17

Station Name: 34b

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)
82	Nisk1	13:08:10	N 48°38.402'	W 123°29.955'	197 196	175	50-75-100-125-150-175- 200 temp: 13.1
83	Niskern 2	13:28:11	N 48°38.409'	W 123°29.934'	195	40	0-5-10-20-30-40 temp: 13.1
84	CTD	13:41:10	N 48°38.403'	W 123°29.972'	196	186	@ 1 m/s
80	ZOOP 1	12:23:24	N 48°38.365'	W 123°30.003'	197	100	start flow meter 46240 up @ 1 m/s after 46480 closed. temp 13.1 at 49 m up after closed @ 1.5 m/s
81	ZOOP 2	12:41:40	N 48°38.396'	W 123°29.960'	197	50	Flow meter end 46610 up 1 m/s 50m-0m temp: 13.1

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Collected By: Lauren Nymeyer

Date: Oct 4/14

Consecutive Stn #: 18

Station Name: S4.5b

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

Calm waters, little wind, cloudy - overcast, muggy

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)
85	CTD	2:09:09	N 48° 40.150'	W 123° 29.98'	160m	150m	13.1°C water temp CTD at surface 2mins. CTD File 20141004-S4.5b
86	Zoop 1	2:28:48	N 48° 40.154'	W 123° 30.005'	162m	100m	messenger dropped at: 62m depth messenger received at: 49m depth Flowmeter 1: 46710 (pre deployment) Flowmeter 2: 46940 (post-deployment)
87	Zoop 2	2:46:34	N 48° 40.180'	W 123° 30.060'	161m	50m (*) ~100m	13.0°C water temp Flowmeter 1: 46940 (pre deployment) Flowmeter 2: 47170 (post-deployment) Spill of sample (Jarred counting sample)
88	Nisk 1	3:00:41	N 48° 40.216'	W 123° 30.078'	160m	150m	5 bottles sampled (150m, 125m, 100m, 75m, 50m) 13.1°C water temp
89	Nisk 2	3:24:54	N 48° 40.219'	W 123° 30.069'	161m	40m	13.1°C water temp 6 bottles sampled (40m, 30m, 20m, 10m, 5m, 0m)

5

Collected By: JONATHAN LORAN

Consecutive Stn #: 19

Station Name: S10 B

Cloudy. - Calm Sea.

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)
90	NISKIN 1	10:49:23	48° 51.297'	123° 35.067'	196 196m	50-175 @ 25	13.1°C Bottle #5: Rubber Damaged 150m Bottle Not Sealed → {175, 150, 125, 100, 75, 50 m Depth 8, 25, 50, 75, 100, 125, 150, 175 m Target 50 75 100
91	NISKIN 2	11:12:59	48° 51.351'	123° 35.141'	196 194m	0-40 40, 30, 20, 10, 5.0 m	10 12 15 10 10 10 Temp 13.7°C
92	CTD	11:25:54	48° 51.322'	123° 35.129'	195m	185 m	13.7°C Descent @ ~ 1 m.s ⁻¹
93	ZOOP 1	11:55:53	48° 51.298'	123° 35.135'	195m	48-100	FLOWMETER BEFORE: 47160 FLOWMETER AFTER: 47440 ASCENT @ ~ 1 m.s ⁻¹ 14.2°C
94	ZOOP 2	12:13:15	48° 51.260'	123° 35.122'	195m	0-50	FLOWMETER BEFORE: 47440 FLOWMETER AFTER: 47750 ASCENT @ ~ 1 m.s ⁻¹ 14.4°C * 2 Jars Collected*

~~\$7750~~ Labels in
Jars here wrap
flow meter.

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Collected By: Zach Cameron

Date: Oct 05, 2014

Consecutive Stn #: 20

Station Name: S9B

Notes: (temperature, wind, barometer, weather, sea-state, etc) Wind - variable. Skids
13.6°C-20°C gray earlier, now sunny
water foamy, wood, sea grass barometer - 30.15 msw

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)
95	Zoop 11	12:51:06	48°48.024	123°33.285	170	49 89 -100	47750 - flow meter start
96	Zoop 2	1:15:38	48°47.990	123°33.086	167	0-50	-delay in retrieval -2 jar filled + 200mL spilled 48590 - flow meter reading end
97	Niskin 1	1:48:25	48°47.964	123°32.955	165	25, 50, 75, 100, 150 100, 150	bottle depths: 50, 75, 100, 125, 150 (m) 100m bottle not sealed properly 25m bottle slipped on line
98	Niskin 2	2:06:57	48°48.049	123°33.040	166	40, 20, 30, 35, 40 35, 40	bottle depths (m): 0, 5, 10, 20, 30, 40
99	CTD	2:19:38	48°48.011	123°33.062	165	155	CTD file name: 20141005-S9B

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Collected By: Caitlin Frenkel

Date: Oct 5, 2014

Consecutive Stn #: 21

Station Name: S11b

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

Sunny, relatively calm, current speed = ^{163 magnetic} 0.7 knots, not very windy
temp = 12.5°C

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)
100	CTD	3:04:10	48° 44.037 N	123° 32.811 W	150	140	time down = 3:04:10 time up = 3:08:55 lowered @ 1m/s. temp = 12.5°C
101	N (1)	3:25:20	48° 44.037 N	123° 32.811 W	149	50, 75, 100, 125	temp = 12.5°C * took 25 before 50 ↳ extra depth taken
102	N (2)	3:46:53	48° 43.984 N	123° 32:776 W	139	40, 50, 60, 70, 80, 90, 100, 110, 120, 130, 140, 150	T = 12.4°C
103	Z.P (1)	T _{close} = 4:08:44	48° 44.014 N	123.32:808 W	140	100-50	FM before = 48590 #Closed FM after = 48920 10m Temp = 12.3°C * move current when started
104	Z.P (2)	T _{surface} = 4:27:05	48° 43.951 N	123° 32.803 W	139	50-0	FM before = 48920 FM after = 48220 Temp = 12.2°C

* messenger drops @ ~3m/s
- need to meet bottle @ 20m that rises @ ~1m/s

50m Zoop net
came up at slight angle
for 50-0m Zoop 2

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Collected By: _____

Date: 6 Oct 2014

Consecutive Stn #: 22

Station Name: 55b

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

calm, fog/misty, little no wind

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)
105	Zoop 1	9:25:32	N 48° 42.967	W 123° 27.615	119m	100m → 49m	* messenger dropped @ 63m * Flow: pre - 49220 ↓ 100m 50m [49m] → jolt post - 49400 water temp 12°C
106	Zoop 2	9:46:27	N 48° 42.917	W 123° 27.616	116m	50m → surface (0m)	Flow: pre - 49400 ↓ 50-0m 0m post - 45790 11.8°C
107	Nisk 1	10:09:57	N 48° 42.976	W 123° 27.602	115m	90m (total)	50, 60, 70, 80, 90m 50, 60, 70, 80, 90m 11.7°C
108	Nisk 2	10:33:18	N 48° 42.929	W 123° 27.630	117m	40m (total)	0, 5, 10, 20, 30, 40m 0, 5, 10, 20, 30, 40m 11.7°C
109	CTD	10:45:31	N 48° 42.952	W 123° 27.631	120m	110m	→ drop @ <1m/s [~0.6m/s]

* when put in water *

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Collected By: _____

Date: October 6th 2014

Consecutive Stn #: 23

Station Name: S8b

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

foggy, calm, fog cleared by end.

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)
110	CTD	11:21	N 48° 44.606'	W 123° 23.780'	60m	50m	CTD at surface for 1.5min (start 11:22 - 11:23:30) dive at 0.6
111	Zoop1	11:34	N 48° 44.621'	W 123° 23.703'	60m	50m	Bottom - 50-0 m flow start: 49600 flow end: 50940
112	Zoop2						50-0m
113	risk1						50, 60, 70, 80m
114	risk2	11:49	N 48° 44.588'	W 123° 23.669'	75m 60m	60m	0, 5, 10, 20, 30, 40 m 50m, 60 dropped: 1 12:05:01 dropped 2: 12:07:43

OCEAN SCIENCES STRICKLAND EVENT LOG

flowmeter final: 50,50

VESSEL: Strickland

Collected By: Elisia Pradine

Date: Oct 16/11/14

Consecutive Stn #: 24

Station Name: 86B

Notes: (temperature, wind, barometer, weather, sea-state, etc)
temp: 11.5°C for both risk 1 and 2.
calm water / wind

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)
115	risk 1	12:49	48°45.216	123°18.550	130 139m	125	50m, 75m, 100m, 125m temperature 11.5°C
116	risk 2	1:21	48°45.221	123°18.478	139m	40	0, 5, 10, 20, 30, 40m temp: 11.5°C
117	zoop 1	1:39	48°45.143	123°18.381	145m	100-49m	100-50m meter o'd temp: 11.5°C - dropped flowmeter: 50940 revs @ 62
118	zoop 2	2:00	48°45.191	123°18.451	142m	50	50m - 0 1m/s meter o'd. temp: 11.4°C first *lost to temp - 2m/s speed of a little bit some flowmeter: 50,380 revs
119	CTD	2:19	48°45.152	123°18.549	123 128	123 118	0.6m/s initial temp: 11.2 m/s speed: 0.6 m/s

Water Chemistry Sampling
University of Victoria

Cruise Name: 201409 Date: Sep 29 '14
Station Name: S3a Time: 11:20
Consecutive Station#: 1 Sampler Names: Alexa
Event Number: 2 Anne, Nova, Kim

Niskin Bottle	Desired Depth (m)	Nutrients bottle#1,2,3	Chlorophyll vial#	Vol filtered(ml)
1	175	✓✓✓	✓	250
2	150	✓✓✓	✓	250
3	125	✓✓✓	✓	250
4	100	✓✓✓	✓	250
5	75	✓✓✓	✓	250
6	50	✓✓✓	✓	250
7				
8				

NOTES:

Blue - silicates
Yellow - phos
Green - Nitrate

Water Chemistry Sampling
University of Victoria

Cruise Name: 201409 Date: Sep 29 '14
Station Name: S3a Time: 11:30
Consecutive Station#: Sampler Names: Alexa
Event Number: 3 Anne, Nova, Kim

Niskin Bottle	Desired Depth (m)	Nutrients bottle#1,2,3	Chlorophyll vial#	Vol filtered(ml)
1	40	✓✓✓	✓	250
2	30	✓✓✓	✓	250
3	20	✓✓✓	✓	250
4	10	✓✓✓	✓	250
5	5	✓✓✓	✓	250
6	0	✓✓✓	✓	250
7				
8				

NOTES:

Blue - silicates
Yellow - phos
Green - Nitrate

Water Chemistry Sampling
University of Victoria

Cruise Name: 201409

Date: Sept 29 / 14

Station Name: 54A

Time: 1:00 pm

Consecutive Station#: 2

Sampler Names: Amy

Event Number: 8

Hunter Ryan Sarah

Niskin Bottle	Desired Depth (m)	Nutrients bottle#	Chlorophyll vial#	Vol filtered(ml)
1	175		X	
2	150		X	
3	125		X	
4	100		X	
5	75		X	
6	50		X	
7				
8				

NOTES: Perfect!

Water Chemistry Sampling
University of Victoria

Cruise Name: 201409

Date: Sept 29 / 14

Station Name: 54A

Time: _____

Consecutive Station#: 2

Sampler Names: Amy

Event Number: 9

Hunter Ryan Sarah

Niskin Bottle	Desired Depth (m)	Nutrients bottle#	Chlorophyll vial#	Vol filtered(ml)
1	40	✓✓✓	✓	250ml
2	30	✓✓✓	✓	250ml
3	20	✓✓✓	✓	255ml
4	10	✓✓✓	✓	250ml
5	5	✓✓✓	✓	265ml
6	0	✓✓✓	✓	250ml
7				
8				

NOTES:

Water Chemistry Sampling
University of Victoria

Cruise Name: 201409

Date: Sept 29, 2014

Station Name: S4.5a

Time: 2:05 pm

Consecutive Station#: 3

Sampler Names: London

Event Number: 12

Katrina, Breena

Niskin Bottle	Desired Depth (m)	Nutrients bottle#			Chlorophyll vial#	Vol filtered(ml)
1	150	✓	✓	✓	/	
2	125	✓	✓	✓	/	
3	100	✓	✓	/	/	
4	75	✓	✓	/	/	
5	50	✓	✓	✓	/	
6	/	/	/	/	/	
7	/	/	/	/	/	
8	/	/	/	/	/	

NOTES:

Water Chemistry Sampling
University of Victoria

Cruise Name: 201409

Date: Sept 29, 2014

Station Name: S4.5a

Time: 2:20

Consecutive Station#: 3

Sampler Names: London

Event Number: 13

Katrina, Breena

Niskin Bottle	Desired Depth (m)	Nutrients bottle#			Chlorophyll vial#	Vol filtered(ml)
1	40	✓	✓	✓	✓	250
2	30	✓	✓	✓	✓	250
3	20	✓	✓	✓	✓	250
4	10	✓	✓	✓	✓	250
5	5	✓	✓	✓	✓	250
6	0	✓	✓	✓	✓	250
7	/	/	/	/	/	
8	/	/	/	/	/	

NOTES:

Water Chemistry Sampling
University of Victoria

Cruise Name: 201409
Station Name: H3a
Consecutive Station#: 4
Event Number: 17

Date: 30 Sept/14
Time: not long after cast.
Sampler Names: Rachel
Erin, Justin, Robert

Niskin Bottle	Desired Depth (m)	green NO3	blue PO4	yellow SiO2	Chlorophyll vial#	Vol filtered(ml)
1	170	✓✓	✓✓	✓✓		
2	150	✓✓	✓✓	✓✓		
3	125	✓✓	✓✓	✓✓		
4	100	✓✓	✓✓	✓✓		
5	75	✓✓	✓✓	✓✓		
6	50	✓✓	✓✓	✓✓		
7	/					
8	/					

NOTES:

Great work team!

Water Chemistry Sampling
University of Victoria

Cruise Name: 201409
Station Name: H3a
Consecutive Station#: 4
Event Number: 18

Date: 30 Sept/14
Time: 10:45
Sampler Names: Rachel
Erin, Justin, Robert

Niskin Bottle	Desired Depth (m)	NO3	PO4	SiO2	Chlorophyll vial#	Vol filtered(ml)
1	40	✓✓	✓✓	✓✓	✓	250
2	30	✓✓	✓✓	✓✓	✓	250
3	20*	✓✓	✓✓	✓✓	✓	250
4	10	✓✓	✓✓	✓✓	✓	250
5	5	✓✓	✓✓	✓✓	✓	250
6	0	✓✓	✓✓	✓✓	✓	250
7	/					
8	/					

NOTES:

20m: chl a filter fell onto tin foil (face-up) while filtering

Water Chemistry Sampling
University of Victoria

Cruise Name: 201409

Station Name: H2a

Consecutive Station#: 5

Event Number: 23

Date: 30 Sept/14

Time: 12:25pm

Sampler Names: Hayden,

Mike, Mike, Tristan

Niskin Bottle	Desired Depth (m)	green NO3	blue PO4	yellow SiO2	Chlorophyll vial#	Vol filtered(ml)
1	115	✓	✓	✓	X	X
2	150	✓	✓	✓		
3	125	✓	✓	✓		
4	100	✓	✓	✓		
5	75	✓	✓	✓		
6	50	✓	✓	✓		
7						
8						

NOTES:

- great work team 😊
- 175 m bottle rested on seafloor (depth: 173m)

Water Chemistry Sampling
University of Victoria

Cruise Name: 201409

Station Name: H2a

Consecutive Station#: 5

Event Number: 24

Date: 30 Sept/14

Time: 12:43pm

Sampler Names: Hayden,

Mike, Mike, Tristan

Niskin Bottle	Desired Depth (m)	green NO3	blue PO4	yellow SiO2	Chlorophyll vial#	Vol filtered(ml)
1	40	✓	✓	✓	✓	250 mL
2	30	✓	✓	✓	✓	250 mL
3	20	✓	✓	✓	✓	250 mL
4	10	✓	✓	✓	✓	250 mL
5	5	✓	✓	✓	✓	250 mL
6	0	✓	✓	✓	✓	250 mL
7						
8						

NOTES:

Water Chemistry Sampling
University of Victoria

Cruise Name: 201409 Strickland

Station Name: H1A

Consecutive Station#: 6

Event Number: 27

Date: 30/09/2014

Time: 14:05

Sampler Names: _____

Gillian Sam, Brittany

Niskin Bottle	Desired Depth (m)	^G NO3	^B PO4	^Y SiO2	Chlorophyll vial#	Vol filtered(ml)
1	50	✓	✓	✓	/	/
2	75	✓	✓	✓	/	/
3	100	✓	✓	✓	/	/
4	125	✓	✓	✓	/	/
5	150	✓	✓	✓	/	/
6	175	✓	✓	✓	/	/
7	225	✓	✓	✓	/	/
8	/	/	/	/	/	/

NOTES:

Water Chemistry Sampling
University of Victoria

Cruise Name: Strickland

Station Name: H1A

Consecutive Station#: 6

Event Number: 28

Date: 30/09/2014

Time: 14:30

Sampler Names: _____

Gillian Sam, Brittany

Niskin Bottle	Desired Depth (m)	^G NO3	^B PO4	^Y SiO2	Chlorophyll vial#	Vol filtered(ml)
1	0	✓	✓	✓	✓	250
2	5	✓	✓	✓	✓	250
3	10	✓	✓	✓	✓	250
4	20	✓	✓	✓	✓	250
5	30	✓	✓	✓	✓	250
6	40	✓	✓	✓	✓	250
7	/	/	/	/	/	/
8	/	/	/	/	/	/

NOTES:

Water Chemistry Sampling
University of Victoria

Cruise Name: Strickland

Date: 10/01/2014

Station Name: S6a

Time: 11:12

Consecutive Station#: 7

Sampler Names: Jessica,

Event Number: 34

Lindsay, Andrew, Hannah

Niskin Bottle	Desired Depth (m)	NO3	PO4	SiO2	Chlorophyll vial#	Vol filtered(ml)
1	0	✓	✓	✓	✓	250 ml
2	5	✓	✓	✓	✓	250 mL
3	10	✓	✓	✓	✓	250 mL
4	20	✓	✓	✓	✓	250 mL
5	30	✓	✓	✓	✓	250 mL
6	40	✓	✓	✓	✓	250 mL
7						
8						

NOTES:

Water Chemistry Sampling
University of Victoria

Cruise Name: Strickland

Date: 10/01/2014

Station Name: S6a

Time: 10:51

Consecutive Station#: 7

Sampler Names: Jessica,

Event Number: 33

Lindsay, Andrew, Hannah

Niskin Bottle	Desired Depth (m)	NO3	PO4	SiO2	Chlorophyll vial#	Vol filtered(ml)
1	50	✓	✓	✓		
2	75	✓	✓	✓		
3	100	✓	✓	✓		
4	125	✓	✓	✓		
5						
6						
7						
8						

NOTES:

Water Chemistry Sampling
University of Victoria

Cruise Name: 201409 58a
Station Name: 58a
Consecutive Station#: 8
Event Number: 38

Date: Oct. 1 / 2014
Time: 12:30
Sampler Names: Gorey,
Amanda, Dani

Niskin Bottle	Desired Depth (m)	NO3	PO4	SiO2	Chlorophyll vial#	Vol filtered(ml)
1	0m	✓	✓	✓	✓	251 ml
2	5m	✓	✓	✓	✓	250 ml
3	10	✓	✓	✓	✓	250
4	20	✓	✓	✓	✓	250
5	30	✓	✓	✓	✓	250
6	40	✓	✓	✓	✓	250
7	50	✓	✓	✓	✓	
8	60	✓	✓	✓	✓	

NOTES:

Water Chemistry Sampling
University of Victoria

Cruise Name: 201409 58a
Station Name: 58a
Consecutive Station#: 8
Event Number: 37

Date: Oct. 1 / 2014
Time: 12:18
Sampler Names: Gorey,
Amanda, Dani

Niskin Bottle	Desired Depth (m)	NO3	PO4	SiO2	Chlorophyll vial#	Vol filtered(ml)
1	10	✓	✓	✓	✓	250
2	60	✓	✓	✓	✓	250
3	50	✓	✓	✓	✓	250
4						
5						
6						
7						
8						

NOTES:

Water Chemistry Sampling
University of Victoria

Cruise Name: 201409

Date: OCT. 1 '2014

Station Name: S5a

Time: 2:50 pm

Consecutive Station#: 9

Sampler Names: Katie H,

Event Number: 43

Katie SL, Chelsea, Velina

Niskin Bottle	Desired Depth (m)	NO3	PO4	SiO2	Chlorophyll vial#	Vol filtered(ml)
1	0	✓✓	✓✓	✓✓	✓	250
2	5	✓✓	✓✓	✓✓	✓	250
3	10	✓✓	✓✓	✓✓	✓	250
4	20	✓✓	✓✓	✓✓	✓	250
5	30	✓✓	✓✓	✓✓	✓	250
6	40	✓✓	✓✓	✓✓	✓	250
7						
8						

NOTES:

Water Chemistry Sampling
University of Victoria

Cruise Name: _____

Date: OCT. 1 '2014

Station Name: S5a

Time: 2:28 pm

Consecutive Station#: 9

Sampler Names: Katie H,

Event Number: 42

Katie SL, Chelsea, Velina

Niskin Bottle	Desired Depth (m)	NO3	PO4	SiO2	Chlorophyll vial#	Vol filtered(ml)
1	50	✓✓	✓✓	✓✓		250
2	60	✓✓	✓✓	✓✓		250
3	70	✓✓	✓✓	✓✓		250
4	80	✓✓	✓✓	✓✓		250
5	90	✓✓	✓✓	✓✓		250
6						
7						
8						

NOTES:

Water Chemistry Sampling
University of Victoria

Cruise Name: 2014-09

Date: Oct 2 2014

Station Name: S10a

Time: 11:45

Consecutive Station#: 10

Sampler Names: Lovin,
(Emily)

Event Number: 46

Nick, Lily, Kirsten

Niskin Bottle	Desired Depth (m)	G NO3	B PO4	Y SiO2	Chlorophyll vial#	Vol filtered(ml)
8	175	✓✓	✓✓	✓✓	X	X
7	150	✓✓	✓✓	✓✓		
6	125	✓✓	✓✓	✓✓		
5	100	✓✓	✓✓	✓✓		
4	75	✓✓	✓✓	✓✓		
3	50	✓✓	✓✓	✓✓		
2						
1						

NOTES:

Water Chemistry Sampling
University of Victoria

Cruise Name: 2014-09

Date: Oct 2 2014

Station Name: S10a

Time: 12:00

Consecutive Station#: 10

Sampler Names: Lovin,
(Emily)

Event Number: 47

Nick, Lily, Kirsten

Niskin Bottle	Desired Depth (m)	G NO3	B PO4	Y SiO2	Chlorophyll vial#	Vol filtered(ml)
8	40	✓✓	✓✓	✓✓	✓	250
7	30	✓✓	✓✓	✓✓	✓	250
6	20	✓✓	✓✓	✓✓	✓	250
5	10	✓✓	✓✓	✓✓	✓	250
4	5	✓✓	✓✓	✓✓	✓	250
3	0	✓✓	✓✓	✓✓	✓	250
2						
1						

NOTES:

Water Chemistry Sampling
University of Victoria

Cruise Name: 201409

Date: Oct. 2, 2014

Station Name: S9a

Time: 1340

Consecutive Station#: 11

Sampler Names: Kurt,

Event Number: 52

Open Sydney

Niskin Bottle	Desired Depth (m)	G NO3	B PO4	Y SiO2	Chlorophyll vial#	Vol filtered(ml)
8	50	✓	✓	✓		
7	75	✓	✓	✓		
6	100	✓	✓	✓		
5	125	✓	✓	✓		
4	150	✓	✓	✓		
3						
2						
1						

NOTES:

Water Chemistry Sampling
University of Victoria

Cruise Name: 201409

Date: Oct. 2, 2014

Station Name: S9a

Time: 2:15

Consecutive Station#: 11

Sampler Names: Kurt

Event Number: 53

Open Sydney

Niskin Bottle	Desired Depth (m)	G NO3	B PO4	Y SiO2	Chlorophyll vial#	Vol filtered(ml)
8	0	✓	✓	✓	✓	250
7	5	✓	✓	✓	✓	250
6	10	✓	✓	✓	✓	250
5	20	✓	✓	✓	✓	250
4	30	✓	✓	✓	✓	250
3	40	✓	✓	✓	✓	250
2						
1						

NOTES:

Water Chemistry Sampling
University of Victoria

Cruise Name: 201409

Date: Oct 2/14

Station Name: S11a

Time: 3:20pm

Consecutive Station#: 12

Sampler Names: Daniel,
Armando, Jesse C.
Jessie L.

Event Number: 56

Niskin Bottle	Desired Depth (m)	G NO3	B PO4	Y SiO2	Chlorophyll vial#	Vol filtered(ml)
8	50	✓	✓	✓	X	X
7	75	✓	✓	✓		
6	100	✓	✓	✓		
5	125	✓	✓	✓		
4					X	X
3						
2						
1						

NOTES:

Water Chemistry Sampling
University of Victoria

Cruise Name: 201409

Date: Oct 2/14

Station Name: S11a

Time: 3:40pm

Consecutive Station#: 12

Sampler Names: _____
Daniel, Armando,
Jesse C., Jessie L.

Event Number: 57

Niskin Bottle	Desired Depth (m)	G NO3	B PO4	Y SiO2	Chlorophyll vial#	Vol filtered(ml)
8	0	✓	✓	✓	✓	
7	5	✓	✓	✓	✓	
6	10	✓	✓	✓	✓	
5	20	✓	✓	✓	✓	
4	30	✓	✓	✓	✓	
3	40	✓	✓	✓		
2						
1						

NOTES:

Water Chemistry Sampling
University of Victoria

Cruise Name: 201409

Date: Oct 3, 2014

Station Name: H3B

Time: 10:50am

Consecutive Station#: 13

Sampler Names: Jenna,

Event Number: 63

Drew, Jordan

Niskin Bottle	Desired Depth (m)	NO3	PO4	SiO2	Chlorophyll vial#	Vol filtered(ml)
8	50	✓	✓	✓	N/A	
7	75	✓	✓	✓	N/A	
6	100	✓	✓	✓	N/A	
5	125	✓	✓	✓	N/A	
4	150	✓	✓	✓	N/A	
3	170	✓	✓	✓	N/A	
2						
1						

NOTES:

Water Chemistry Sampling
University of Victoria

Cruise Name: 201409

Date: Oct 3, 2014

Station Name: H3B

Time: 11:20am

Consecutive Station#: 13

Sampler Names: Jenna,

Event Number: 64

Drew, Jordan

Niskin Bottle	Desired Depth (m)	NO3	PO4	SiO2	Chlorophyll vial#	Vol filtered(ml)
8	0	✓	✓	✓	✓	245ml
7	5	✓	✓	✓	✓	250ml
6	10	✓	✓	✓	✓	250ml.
5	20	✓	✓	✓	✓	253ml
4	30	✓	✓	✓	✓	250ml
3	40	✓	✓	✓	✓	260ml
2						
1						

NOTES:

Water Chemistry Sampling
University of Victoria

Cruise Name: 201409

Date: Oct. 3/14

Station Name: H2b

Time: 12:00pm

Consecutive Station#: 14

Sampler Names: Ben,

Event Number: 65

Bri, Capri, Aysia

Niskin Bottle	Desired Depth (m)	NO3	PO4	SiO2	Chlorophyll vial#	Vol filtered(ml)
8	50	✓	✓	✓	N/A	/
7	75	✓	✓	✓	N/A	/
6	100	✓	✓	✓	N/A	/
5	125	✓	✓	✓	N/A	/
4	150	✓	✓	✓	N/A	/
3						
2						
1						

NOTES:

Water Chemistry Sampling
University of Victoria

Cruise Name: 201409

Date: Oct 3/14

Station Name: H2b

Time: 12:26pm

Consecutive Station#: 14

Sampler Names: Ben,

Event Number: 66

Bri, Capri, Aysia

Niskin Bottle	Desired Depth (m)	G NO3	B PO4	Y SiO2	Chlorophyll vial#	Vol filtered(ml)
8	0	✓	✓	✓	✓	252
7	5	✓	✓	✓	✓	250
6	10	✓	✓	✓	✓	252
5	20	✓	✓	✓	✓	250
4	30	✓	✓	✓	✓	250
3	40	✓	✓	✓	✓	252
2						
1						

NOTES:

Water Chemistry Sampling
University of Victoria

Cruise Name: 2014-09

Date: October 3, 2014

Station Name: H1B

Time: 2:48

Consecutive Station#: 15

Sampler Names: Marcus

Event Number: 73

Hayley, Kyra

Niskin Bottle	Desired Depth (m)	NO3	PO4	SiO2	Chlorophyll vial#	Vol filtered(ml)
8	50	✓	✓	✓	X	X
7	75	✓	✓	✓		
6	100	✓	✓	✓		
5	125	✓	✓	✓		
4	150	✓	✓	✓		
3	200	✓	✓	✓		
2						
1						

NOTES:

Water Chemistry Sampling
University of Victoria

Cruise Name: 2014-09

Date: October 3, 2014

Station Name: H1B

Time: 3:10

Consecutive Station#: 15

Sampler Names: Marcus

Event Number: 74

Hayley, Kyra

Niskin Bottle	Desired Depth (m)	NO3	PO4	SiO2	Chlorophyll vial#	Vol filtered(ml)
8	0	✓	✓	✓	0 m	260
7	5	✓	✓	✓	5 m	250
6	10	✓	✓	✓	10 m	250
5	20	✓	✓	✓	20 m	250
4	30	✓	✓	✓	30 m	250
3	40	✓	✓	✓	40 m	250
2						
1						

NOTES:

Water Chemistry Sampling
University of Victoria

Cruise Name: 201409

Date: Oct 4/14

Station Name: S3b

Time: 10:40

Consecutive Station#: 16

Sampler Names: Emily,

Event Number: 75

Ji Ming, Laura

Niskin Bottle	Desired Depth (m)	NO3	PO4	SiO2	Chlorophyll vial#	Vol filtered(ml)
8	50	✓	✓	✓		
7	75	✓	✓	✓		
6	100	✓	✓	✓		
5	125	✓	✓	✓		
4	150	✓	✓	✓		
3	175	✓	✓	✓		
2	200	✓	✓	✓		
1						

NOTES:

good sampling, 2 caps dropped but rinsed very well with sample water

Water Chemistry Sampling
University of Victoria

Cruise Name: 201409

Date: Oct 4/14

Station Name: S3b

Time: 11:00

Consecutive Station#: 16

Sampler Names: Emily

Event Number: 76

Ji Ming, Laura

Niskin Bottle	Desired Depth (m)	NO3	PO4	SiO2	Chlorophyll vial#	Vol filtered(ml)
8	0	✓	✓	✓	0m	250mL
7	5	✓	✓	✓	5m	250mL
6	10	✓	✓	✓	10m	250mL
5	20	✓	✓	✓	20m	250mL
4	30	✓	✓	✓	30m	250mL
3	40	✓	✓	✓	40m	250mL
2						
1						

NOTES:

good sampling, all items rinsed well.

Water Chemistry Sampling
University of Victoria

Cruise Name: 201409

Date: Oct 9 / 14

Station Name: S4b

Time: 1:30pm

Consecutive Station#: 17

Sampler Names: Mackenzie,

Event Number: 82

Donnae, Conrad

Niskin Bottle	Desired Depth (m)	NO3	PO4	SiO2	Chlorophyll vial#	Vol filtered(ml)
8	50	✓	✓	✓	X	X
7	75	✓	✓	✓		
6	100	✓	✓	✓		
5	125	✓	✓	✓		
4	150	✓	✓	✓		
3	175	✓	✓	✓		
2						
1						

NOTES:

* didn't do a 200m depth niskin b/c the bottom was too shallow (~197m)

Water Chemistry Sampling
University of Victoria

Cruise Name: 201409

Date: Oct. 4 / 14

Station Name: S4b

Time: 1:50pm

Consecutive Station#: 17

Sampler Names: Mackenzie,

Event Number: 83

Donnae, Conrad

Niskin Bottle	Desired Depth (m)	NO3	PO4	SiO2	Chlorophyll vial#	Vol filtered(ml)
8	0	✓	✓	✓	0m	250mL
7	5	✓	✓	✓	5m	250mL
6	10	✓	✓	✓	10m	250mL
5	20	✓	✓	✓	20m	250mL
4	30	✓	✓	✓	30m	250mL
3	40	✓	✓	✓	40m	250mL
2						
1						

NOTES:

good sampling

Water Chemistry Sampling
University of Victoria

Cruise Name: _____

Date: Oct 4/14

Station Name: S4.5 b

Time: 15:00

Consecutive Station#: 18

Sampler Names: Milan,

Event Number: 88

Carley, Kyle, Steph

Niskin Bottle	Desired Depth (m)	green NO3	blue PO4	yellow SiO2	Chlorophyll vial#	Vol filtered(ml)
8	50	✓	✓	✓	/	/
7	75	✓	✓	✓	/	/
6	100	✓	✓	✓	/	/
5	125	✓	✓	✓	/	/
4	150	✓	✓	✓	/	/
3						
2						
1						

NOTES: The most efficient ☺

Water Chemistry Sampling
University of Victoria

Cruise Name: _____

Date: Oct 4/14

Station Name: S4.5 b

Time: 15:30

Consecutive Station#: 18

Sampler Names: Milan,

Event Number: 89

Carley, Kyle, Steph

Niskin Bottle	Desired Depth (m)	g NO3	b PO4	y SiO2	Chlorophyll vial#	Vol filtered(ml)
8	0	✓	✓	✓	0 m	250
7	5	✓	✓	✓	5 m	250
6	10	✓	✓	✓	10 m	250
5	20	✓	✓	✓	20 m	250
4	30	✓	✓	✓	30 m	250
3	40	✓	✓	✓	40 m	250
2						
1						

NOTES:

Water Chemistry Sampling
University of Victoria

Cruise Name: Strickland

Date: 2014.10.5

Station Name: S106

Time: 10:53am

Consecutive Station#: 19

Sampler Names: Kiran Li,

Event Number: #90

Jonathan K, Jonathan L,
Helen O'Brien

Niskin Bottle	Desired Depth (m)	NO3	PO4	SiO2	Chlorophyll vial#	Vol filtered(ml)
8	50	✓	✓	✓	N/A	
7	75	✓	✓	✓	N/A	
6	100	✓	✓	✓	N/A	
5	125	✓	✓	✓	N/A	
4	150	✓	✓	✓	N/A	
3	175	✓	✓	✓	N/A	
2						
1						

NOTES: 150m appeared to not be sealed

Water Chemistry Sampling
University of Victoria

Cruise Name: Strickland

Date: 2014.10.5

Station Name: S106

Time: 11:14am

Consecutive Station#: 19

Sampler Names: Helen

Event Number: #91

O'Brien, Kiran Li,
Jonathan K, Jonathan L.

Niskin Bottle	Desired Depth (m)	NO3	PO4	SiO2	Chlorophyll vial#	Vol filtered(ml)
8	0	✓	✓	✓	✓	250
7	5	✓	✓	✓	✓	250.
6	10	✓	✓	✓	✓	250.
5	20	✓	✓	✓	✓	255.
4	30	✓	✓	✓	✓	250
3	40	✓	✓	✓	✓	250
2						
1						

NOTES:

Water Chemistry Sampling
University of Victoria

Cruise Name: STRICKLAND

Date: OCT. 5, 2014

Station Name: 98

Time: 1:50

Consecutive Station#: 20

Sampler Names: Clore,

Event Number: 97

Sam, Brad, Zach

Niskin Bottle	Desired Depth (m)	NO3	PO4	SiO2	Chlorophyll vial#	Vol filtered(ml)
8	50	✓✓	✓✓	✓✓	X	X
7	75	✓✓	✓✓	✓✓		
6	100	✓✓	✓✓	✓✓		
5	125	✓✓	✓✓	✓✓		
4	150	✓✓	✓✓	✓✓		
3						
2						
1						

NOTES:

Water Chemistry Sampling
University of Victoria

Cruise Name: STRICKLAND

Date: OCT. 5, 2014

Station Name: 98

Time: 2:20

Consecutive Station#: 20

Sampler Names: Clare,

Event Number: 98

Sam, Brad, Zach

Niskin Bottle	Desired Depth (m)	NO3	PO4	SiO2	Chlorophyll vial#	Vol filtered(ml)
8	0	✓✓	✓✓	✓✓	0m	250 mL
7	5	✓✓	✓✓	✓✓	5m	250 mL
6	10	✓✓	✓✓	✓✓	10m	250 mL
5	20	✓✓	✓✓	✓✓	20m	250 mL
4	30	✓✓	✓✓	✓✓	30m	250 mL
3	40	✓✓	✓✓	✓✓	40m	250 mL
2						
1						

NOTES:

Water Chemistry Sampling
University of Victoria

Cruise Name: Strickland

Station Name: S11B

Consecutive Station#: 21

Event Number: 101

Date: 10/5/14

Time: 3:26

Sampler Names: Courtney /

Carlee, Vicki

Niskin Bottle	Desired Depth (m)	NO3	PO4	SiO2	Chlorophyll vial#	Vol filtered(ml)
8	25	✓	✓	✓		
7	50	✓	✓	✓		
6	75	✓	✓	✓		
5	100	✓	✓	✓		
4	125	✓	✓	✓		
3						
2						
1						

NOTES:

Water Chemistry Sampling
University of Victoria

Cruise Name: Strickland

Station Name: S11B

Consecutive Station#: 21

Event Number: 102

Date: 10/5/14

Time: 3:48

Sampler Names: Courtney /

Vicki Carlee

Niskin Bottle	Desired Depth (m)	NO3	PO4	SiO2	Chlorophyll vial#	Vol filtered(ml)
8	0	✓	✓	✓		251.00
7	5	✓	✓	✓		250
6	10	✓	✓	✓		250
5	20	✓	✓	✓		250
4	30	✓	✓	✓		250
3	40	✓	✓	✓		250.3
2						
1						

NOTES:

Water Chemistry Sampling
University of Victoria

Cruise Name: 201409

Date: 06 Oct 2014

Station Name: 55b

Time: 10:12 am

Consecutive Station#: 22

Sampler Names: Lauren,

Event Number: 107

Nicole and Holly

Niskin Bottle	Desired Depth (m)	yellow NO3	grey PO4	blue SiO2	Chlorophyll vial#	Vol filtered(ml)
8	50	✓	✓	✓	—	—
7	60	✓	✓	✓	—	—
6	70	✓	✓	✓	—	—
5	80	✓	✓	✓	—	—
4	90	✓	✓	✓	—	—
3						
2						
1						

NOTES: 50m-rinsed with filtered sea water not sample water. At all other depths were rinsed with the sea water.

Water Chemistry Sampling
University of Victoria

Cruise Name: 201409

Date: 06 Oct 2014

Station Name: 55b

Time: 10:39

Consecutive Station#: 22

Sampler Names: Lauren

Event Number: 108

Nicole and Holly

Niskin Bottle	Desired Depth (m)	NO3	PO4	SiO2	Chlorophyll vial#	Vol filtered(ml)
8	0	✓	✓	✓	✓	260
7	5	✓	✓	✓	✓	250
6	10	✓	✓	✓	✓	255
5	20	✓	✓	✓	✓	250
4	30	✓	✓	✓	✓	250
3	40	✓	✓	✓	✓	250
2						
1						

NOTES: Samples good.

Water Chemistry Sampling
University of Victoria

Cruise Name: Strickland 201409

Date: Oct 6th/14

Station Name: 58b

Time: 12:30

Consecutive Station#: 23

Sampler Names: Flyda,

Event Number: 113

Sydney, Naomi, Norah

Niskin Bottle	Desired Depth (m)	NO3	PO4	SiO2	Chlorophyll vial#	Vol filtered(ml)
8	60m	✓	✓	✓	✓	250
7	50m	✓	✓	✓	✓	250
6	40m	✓	✓	✓	✓	250
5	30m	✓	✓	✓	✓	250
4	20m	✓	✓	✓	✓	250
3	10m	✓	✓	✓	✓	250
2	5m	✓	✓	✓	✓	250
1	0m	✓	✓	✓	✓	250

NOTES:

Water Chemistry Sampling
University of Victoria

Cruise Name: _____

Date: _____

Station Name: _____

Time: _____

Consecutive Station#: _____

Sampler Names: _____

Event Number: _____

Niskin Bottle	Desired Depth (m)	NO3	PO4	SiO2	Chlorophyll vial#	Vol filtered(ml)
8						
7						
6						
5						
4						
3						
2						
1						

NOTES:

- measure 250 ml GC
 - rinse w seawater & then dump
 through filter

Water Chemistry Sampling

University of Victoria

Cruise Name: 201409

Station Name: 56b

Consecutive Station#: 24

Event Number: 115

Date: _____

Time: _____

Sampler Names: _____

Niskin Bottle	Desired Depth (m)	NO3	PO4	SiO2	Chlorophyll vial#	Vol filtered(ml)
8	50m	✓	✓	✓		
7	75 m	✓	✓	✓		
6	100 m	✓	✓	✓		
5	125m	✓	✓	✓		
4						
3						
2						
1						

NOTES:

Water Chemistry Sampling

University of Victoria

Cruise Name: _____

Station Name: 56b

Consecutive Station#: 11

Event Number: 116

Date: 6/oct/14

Time: _____

Sampler Names: _____

Niskin Bottle	Desired Depth (m)	NO3	PO4	SiO2	Chlorophyll vial#	Vol filtered(ml)
8	0m	✓	✓	✓	✓	250
7	5m	✓	✓	✓	✓	250
6	10m	✓	✓	✓	✓	250
5	20m	✓	✓	✓	✓	250
4	30m	✓	✓	✓	✓	250
3	40m	✓	✓	✓	✓	250
2						
1						

NOTES: