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OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Date: 07/07/2011

Consecutive Stn #: 10

Station Name: S2

Wind came up ~10 am,
Earl Nislin Shallow, bottle 4 didn't
close, 1-4 had to be recast

Collected By: Johanna Berni

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

T: 14°C Sea: 17.8°C Barometer: 30" Hg Sea state: Rippled

Wind: W 3-4 knots Vis: 20⁺ nautical miles Cloud cover: 80%

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	8.45 local	48° 33' 12.8"	123° 31' 55.8"	213	203	lowered @ 40 m/min to 10 m off bottom
2	Niskin Deep	9.30 local	48° 33' 14.3"	123° 32.048'	213	200	200, 175, 150, 135, 130, 125 120, 110 1 ¹ / ₂ , 2 ² / ₅ , 3 ³ / ₅ , 4 ⁴ / ₅ , 5 ⁵ / ₅ , 6 ⁶ / ₅ , 7 ⁷ / ₅ , 8 ⁸ / ₅ , 9 ⁹ / ₅ , 10 ¹⁰ / ₅
3	Niskin Shallow	10.18 local	48° 33' 09.7"	123° 32.014'	213	100	100, 75, 50, 30, 20, 10, 6, 0 (1 ¹ / ₂ , 2 ² / ₅ , 3 ³ / ₅ , 4 ⁴ / ₅ , 5 ⁵ / ₅ , 6 ⁶ / ₅ , 7 ⁷ / ₅ , 8 ⁸ / ₅ , 9 ⁹ / ₅ , 10 ¹⁰ / ₅) Flow meters: 84988 (before) end: 85018
4	200g-200g	10.40 local	" .096'	" 0.018'	213	100	
5	200g-200g	10.53 local	" .096'	" .078'	213	50	Flow meter start: 85018 end: 85345 net a bit bunched at the bottom

1.

VESSEL: Strickland

Date: 07/07/2011

Consecutive Stn #: 2

Station Name: 53

Collected By: Tella

Notes: (temperature, wind, barometer, weather, sea-state, etc)
 Wind immitant, rising at noon
 mainly cloud.
 choppy 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)
6	CTD	1126	48° 35.497'	123° 29.982'	227m	215m	20110707-S3.6ex
7	bottles deep	1148	48° 35.518'	123° 29.993'	227	210, 190, 170, 150, 140, 135, 130, 125 (20-20 20 20 20 20) — not done wing mtr lose.	
8	zooplank	1213	48° 35.473'	123° 29.996'	"	100m-53m	flow meter: 85345 — 85598
9	zooplank	1232	48° 35.511'	123° 30.021'	"	50m-0m	flow meter: 85598 — 85891
10	bottles shallow	1244	48° 35.604'	123° 30.038'	"	depths → line paid out	125, 120, 100, 75, 50, 30, 10, 0 → (5, 20, 25, 25, 20, 20, 10) straw wire

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Collected By: Sarah

Date: 7/7/2011

Consecutive Stn #: 3

Station Name: S4

Notes: (temperature, wind, barometer, weather, sea-state, etc)
 29.96 deg sea temp 17.9°C seas 1 ft - choppy w/ white caps
 23°C wind W 10-12 knots visibility 20 khaled miles
 C.C. 85%
 NW ~ 14:00 PDT

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	13:30 PDT	48° 38.30' N	123° 30.09' W	200m	190m	20110707-S4
12	Bottle deep	14:05 PDT	48° 38.24' N	123° 29.99' W	200m	190m	190, 170, 150, 140, 130, 120, 110 (0 20 + 20 + 10 + 10 + 10 + 10 + 10)
13	Top plankton	14:30 PDT	48° 38.20' N	123° 30.01' W	200m	51m - 100m	(86991) - 86286 - Flow meter probably 85891
14	Loop	14:30 PDT	48° 38.35' N	123° 30.02' W	200m	0-50m	86886 - 86570 - flow meter
15	Bottle	14:57 PDT	48° 38.42' N	123° 29.83' W	200m	100m	100, 90, 70, 50, 30, 10, 0 (0 + 10 + 20 + 20 + 20 + 20 + 20 + 20)

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Date: 7/7/2011

Collected By: Sarah

Consecutive Stn #: 4

Station Name: S11

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

Atm temp 19°C W 10 knots wind

Pressure 29.97 Hg Sea 1/2 chop

Sea temp 14.8°C Visibility 20+ nautical miles

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	15:51 PDT	48° 43.816' N	123° 32.665' W	123m	110m	20110707 - S11
17	CTD	16:11 PDT	48° 43.878' N	123° 32.630' W	120m	100m	20110707 - S11 long red tentacles attached
18	CTD	16:26 PDT	48° 43.977' N	123° 32.708' W	129m	52-100m	86571 - Sargot reading net bunching up a bit
19	CTD	16:39 PDT	48° 43.983' N	123° 32.651' W	105m	0-50m	Sample rescued from tote lid. Sargot reading - 87292

Water Chemistry Sampling University of Victoria

Cruise: OSM JULY 2011

201107

Station Name: S2

Date: July 7th

Time: 10:07

Cast #: 1 Event #: 2

Sampler Names: Sarah Tella Derek Tania (WB)

nov 10 3 50 PM '11

Niskin Bottle	Target Depth (m)	Oxygen Bottle #'s	DIC Bottle#	NH4 Vial#	600mL round NO3	purple test NO2	12.5mL round PO4	Mn (N when acid spiked)	104mL NUT SiO4	CHL filtered vol (mL)
8	110 int-15	51✓ 52✓	6-01✓	A-01	✓	✓	✓	—	✓	X
7	120 int-5	X	X	A-02	✓	X	X	—	X	X
6	int-25	53✓ 54✓	X	A-03	✓	✓	✓	—	✓	X
5	130 int-5	X	X	A-04	✓	X	X	—	X	X
4	135 int-10	55✓ 56✓	X	A-05	✓	✓	✓	—	✓	X
3	150	57	X	A-06	✓	✓	✓	—	✓	X
2	175		X	A-07	X	✓	X	—	X	X
1	200		X	A-08	X	✓	X	—	X	X

NOTES:

see back

NH4 Spiked with Working Reagent: yes no Time Spiked?

NH4 Stds Vial# 0uM = A-67 2.5uM = A-17 5uM = A-18 10uM = A-19 15uM = A-143

Time spiked? 637

Water Chemistry Sampling

University of Victoria

Station Name: S2

Cast #: 2 Event #: 3

Cruise: OSM JULY 2011

201107

Date: July 7th Time: 10:30 Down
11:05

Sampler Names: Sarah Teller Derek Tonic(wb)
Tella

Niskin Bottle	Target Depth (m)	S2 S2 Oxygen Bottle #'s	Derek DIC Bottle#	Sarah NH4 Vial#	60 mL round NO3	purple xst NO2	125 mL round PO4	39 test Min N when acid spiked	3 test NO3 NO2 SiO4	CHL filtered vol (mL)
8	0	57 ✓ 58 ✓	602 ✓	A09 ✓	✓	✓	✓	X	✓✓	250mL
7	5	59 ✓ 60 ✓	X	X	✓	✓	X	X	X	X
6	10	61 ✓ 62 ✓	603 ✓	A10 ✓	✓	✓	✓	X	✓✓	250
5	20	63 ✓ 64 ✓	604 ✓	A11 ✓	✓	✓	X	X	X	X
4	30	65 ✓ 66 ✓	605 ✓	A12 ✓	✓	✓	✓	X	✓✓	250
3	50	X	X	A13 ✓	✓	✓	✓	✓	✓✓	250
2	75	67 ✓ 68 ✓	606 ✓	X	✓	✓	✓	X	✓✓	X
1	100	X	X	A14 ✓	✓	✓	✓	✓	✓✓	X

NOTES:

See back

NH4 Spiked with Working Reagent: yes no Time Spiked?

NH4 Stds Vial# 0uM = 2.5uM = 5uM = 10uM = 15uM =

Time spiked?

638

Re-draw Oxy 59, reagent didn't work.
DIC- CO₂ trouble getting good seals.
finally got one

zooplankton stuff
sampling completed as planned

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Cruise: OSM JULY 2011

201107

Station Name: 53

Date: July 7/11

Time: 1:30

Cast #: 10 Event #: 10

Sampler Names: Furkles

Niskin Bottle	Target Depth (m)	Oxygen Bottle #'s	DIC Bottle#	NH4 Vial#	NO3	NO2	PO4	Mn (N when acid spiked)	SiO4	CHL filtered vol (mL)
8	0	78/79	C-12	A-38	✓	✓	✓	—	✓	✓
7	10	76/77	C-11	A-33	✓	✓	✓	—	✓	✓
6	30	78/79	C-10	A-30	✓	✓	✓	—	—	✓
5	50	80/81	C-9a	A-27	✓	✓	✓	—	✓	✓
4	75	82/83	C-08	A-26	✓	✓	—	—	—	—
3	100	84/85	C-07	—	✓	—	✓	✓	✓	—
2	120	86/87	—	A-25	✓	✓	✓	✓	✓	—
1	125	—	—	A-24	✓	✓	—	✓	—	—

NOTES: Ammonia obtained after Chlorophyll for Niskin 8, 10-0 form only 249mL @ 10m
Oxygen = 87 - small bubbles 249.5mL @ 10m
NH4 Spiked with Working Reagent: yes no Time Spiked?
NH4 Stds Vial# 0uM=A12a 2.5uM=A133 5uM=A137 10uM=A137 15uM=A144 Time spiked? 645

Water Chemistry Sampling

University of Victoria

Cruise: OSM JULY 2011

201107

Station Name: 54

Date: July 7th

Time: _____

Cast #: _____

Event #: _____

Sampler Names: Team Sea

Sea

Sea

Niskin Bottle	Target Depth (m)	Oxygen Bottle #'s	DIC Bottle#	NH4 Vial#	NO3	NO2	PO4	Min (N when acid spiked)	SiO4	CHL filtered vol (mL)
8										
7	0	95✓ 96✓	C-13✓	A96✓	✓	✓	✓	X	✓	✓ 249
6	10	6B✓ 5✓	C-14✓	A78✓	✓	✓	X	X	X	✓ 280
5	30	4✓ 3B✓	C-15✓	A78✓	✓	✓	✓	X	✓	✓ 280
4	50	2B✓ 1✓	C-16✓	A68✓	✓	✓	✓	X	✓	✓ 249
3	70	12✓ 17✓	C-17✓	A43✓	✓	✓	✓	X	✓	X
2	90	10✓ 9✓	C-18✓	A43✓	✓	✓	✓	X	✓	X
1	100	X	X	A44✓	✓	✓	X	✓	X	X

NOTES:

NH4 Spiked with Working Reagent: yes no Time Spiked?

NH4 Stds Vial# 0uM = A45 2.5uM = A87 5uM = A89 10uM = A90 15uM = A91

Time spiked?

645

Water Chemistry Sampling University of Victoria

Cruise: OSM JULY 2011

201107

Station Name: 54

Date: July 7th

Time: 14:05

Cast #: _____ Event #: _____

Sampler Names: Team Sea

Niskin Bottle	Target Depth (m)	Oxygen Bottle #'s	DIC Bottle#	NH4 Vial#	NO3	NO2	PO4	Mn (N when acid spiked)	SiO4	CHL filtered vol (mL)
8										
7	110	X	X	A98	✓	✓	✓	✓	✓	X
6	120	X	X	A140	✓	✓	X	✓	X	X
5	130	X	X	A138	✓	✓	X	✓	X	X
4	140	89 ✓ 90 ✓ 93 ✓	X	A119	✓	✓	✓	✓	✓	X
3	150	91 ✓ 92 ✓	X	A111	✓	✓	✓	✓	✓	X
2	170	93 ✓ 94 ✓	X	A107	✓	✓	✓	✓	✓	X
1	190	X	X	A104	✓	✓	✓	✓	✓	X

NOTES:

NH4 Spiked with Working Reagent: yes no Time Spiked? _____

NH4-Stds Vial# 0uM = _____ 2.5uM = _____ 5uM = _____ 10uM = _____ 15uM = _____

Time spiked? _____

645

Water Chemistry Sampling University of Victoria

Cruise: OSM JULY 2011

201107

Station Name: S11

Date: 7/7/2011

Time:

Cast #: 1 Event #: 17

Sampler Names: Grace, Tania, Wyatt

Niskin Bottle	Target Depth (m)	Oxygen Bottle #'s	DIC Bottle#	NH4 Vial#	NO3	NO2	PO4	Mn (✓ when acid spiked)	SiO4	CHL filtered vol (mL)
8	X	/	/	/	/	/	/	/	/	/
7	0	✓ 008/007	✓ C 36	✓ A-51	✓	✓	✓	✓	✓	✓ 249
6	10	✓ 013/014	✓ —	✓ A-52	✓	✓	✓	✓	✓	✓ 250
5	30	✓ 015/016	✓ C 35	✓ A-56	✓	✓	✓	✓	✓	✓ 250
4	40	✓ —	✓ —	✓ A-60	✓	✓	✓	✓	✓	✓ 250.5
3	60	✓ 022B/023	✓ C 24	✓ A-72	✓	✓	✓	✓	✓	X
2	80	✓ —	✓ —	✓ A-105	✓	✓	✓	✓	✓	X
1	100	✓ 024/029	✓ C 23	✓ A-113	✓	✓	✓	✓	✓	X

NOTES: NO Seal on Niskin #1 - vent open

NH4 Spiked with Working Reagent: yes no Time Spiked?

NH4 Stds Vial# 0uM = A-14 2.5uM = A-81 5uM = A-83 10uM = A-93 15uM = A-130 Time spiked? 635