

201406

OCEAN SCIENCES STRICKLAND CTD LOG

DATE (dd-mm)	TIME (UTC) ^{local}	LAT.	LONG.	STN NAME	BOTTOM DEPTH (m)	CAST DEPTH (m)	CTD File Name
13 June	11:02am	48° 38.267' N	123° 30.039' ⁰ W	S4	198	185	20140613_S4
13 June 2014	2:43pm	48.40-243 N	123.30.045° W	S4.5	171m	161	20140613-S45
13 Jun	1603	48 42.954 N	123 27.56 W	S5	120	105	20140613-S5

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Collected By: Lincoln / Nick

Date: June 13, 2014

Consecutive Stn #: PB1A Bay 1

Station Name: PB1A / PB1B

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

Sunny, calm water, slight breeze

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)
PB1A { 1	Phyto	9:19am	48° 39'.674' N	123° 27'.728' W	15	5	SST = 15.0 °C SSS = 24.3 ppt 3 casts to 5m depth
2	sed grab	9:22am	"	"	15	15	very fine sand, sulfur smelling, dark brown grey colour, well sorted in general with a few coarse sand particles, shell fragments, some root pieces
PB1B { 3	Phyto	9:33am	48° 39'.724' N	123° 27'.664' W	8.8	5	SST = 15.2 SSS = 24.8 ppt 3 casts to 5m depth
4	sed grab	9:35am	"	"	8.8	8.8	coarse sand, shell fragments, large pebbles, bivalves, intact shells, tube worms, brownish green colour, no smell, roots + organic matter
PB2							

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Collected By: Spencer / Aysia
Kim / CURT

Date: June 13, 2014

Consecutive Stn #: 2/3

Station Name: PB 2 / 3

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

Day is sunny, water is calm, a bit of a breeze.

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)
<u>PB2</u> 5	Phyto	9:50am	48° 39.370	123° 28.75	54.4	5	SST = 15.4°C ^{Back brown} SSS = 25.0ppt to 5m
6	sed. grab	9:50am	"	"	"	5 31.4m	dark brown, no smell, slightly green • shell fragments • worms (some live) • medium grained
<u>PB3</u> 7	Phyto	10:11 AM	48° 39.180	123° 29.326	105 m	5 m	SST = 15.5°C 3 casts SSS = 25.4 = 25.4 ppt. @ 5 m
8	sed grab	10:11 AM	"	"	105 m		• Smelly-ish • green, lighter on top, darker bottom • fine grain (very) • few shells/organics

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Collected By: Curtis & Erinn

Date: June 13, 2014

Consecutive Stn #: 4

Station Name: S4

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

Sunny, calm water, little breeze, changed to cloudy while on station.

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	Phyto	10:32 am	N 48° 38.292'	W 123° 30.003'	196	5	SST 16.0°C 3 casts @ 5m 20µ net Turbidity in water ⇒ plume SSS 25 ppt Sub surface brown plume
10	Sed grab	10:32 am	" "	" "	196m	196	Black, very strong sulphur (rotten egg) smell, mud (very fine) No biological life (shell fragments, etc) No wood pieces. No structures. Bubbles released. Jelly-like consistency.
11	Zoo plankton sample	10:54 am	" "	" "	196m	100m	Net: SCOR 250µm 100m tow not taking flow meter readings 1m/sec. Cast down to 105
12	CTD	11:02 am	N 48° 38.267'	W 123° 30.039'	198m	185m	soaked at surface for ~2 mins. lowered at 1m/s to 185m

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Collected By: Lincoln & Nick

Date: June 13, 2014

Consecutive Stn #: 5

Station Name: TS1: A TS1

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

cloudy, calm water, little breeze

TS1: Tsehum Harbour

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	Phyto	12:21pm	46° 40.2556' N	123° 024.472' W	4	~ 3	SST = 14.1 °C SSS = 24.3 ppt 2 casts to ~ 3m depth
14	Core	12:21pm	"	"	4	4	short core, water on top means surface-sed interface sandy material

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Collected By: Liam + Catherine

Date: June 13, 2014

Consecutive Stn #: 6

Station Name: 54.25

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

29.92 inches Hg 7 knots E wind 80% cloud cover

Rippled seas 20+ miles visibility 18°C air temp

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)
15	Phyto	1:56 pm	48°39.235'N	123°30.026'W	185	5m	15.3' (SS1) SSS = 25.4ppt 3 casts
16	Sed	"	"	"	"	185	black (anoxic); smells like rotten eggs; mud (silt & clay); no signs of life; homogenous

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Collected By: Joss + Graham

Date: June 13th 2014

Consecutive Stn #: 7

Station Name: S 4.5

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

7 knts East vis 20 nm, cloud 70%, H₂O temp 15.
20.8 air temp, 172 m depth, Sunny, 0.1 m seas
at site

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)
17	Phyto	2:12pm	48.39.678 N	123.29.984 W	172 m	50 m	Salinity: 25.45, CTD names 2 casts in total, caught jelly
18	Sediment	2:12pm	"	"	172 m	181 m	black, fine grained, strong sulfur scent, gelatinous texture, no sign of biology,
19	CTD	2:31pm	"	"	171 m	160 m 161 m	did not touch bottom, 161 m,

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Collected By: Maria + Robert

Date: 13 June/14

Consecutive Stn #: 8

Station Name: 512

Notes: (temperature, wind, barometer, weather, sea-state, etc) 20 mile visibility
 15.6° ← water temp wind → NE @ 18-10 knots
 sunny, slightly cloudy (18°C) 70% cloud cover
 29.89 barometer reading

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	Phyto	3:00pm	48°41.823	123°29.808	74m	50m	GST = 15.6° casts 3 SSS = 28.5‰
21	Seds	3:00pm	48°41.823	123°29.808	74m	74m	silt, clay - muddy grey greenish brown more clayish, dryer -traces of bio-worms, shells (0.5cm) -no smell

OCEAN SCIENCES STRICKLAND EVENT LOG

VESSEL: Strickland

Collected By: Sandy, Curtis & Alexa

Date: June 13/14

Consecutive Stn #: 9

Station Name: S5

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

WP=75m SST=14.4°C, NE 2 knots - light air vis. = 20nm.
cloud cover = 60% bar = 29.90mm Hg air = 19°C, calm seas
pressure.

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)
22	Phyto	3:32 pm	48°43.052'N	123°27.613'W	79	5m	SST=14.4°C # casts = 3 SSS = 25.5 ppt
23	seals GRAB	*3:32 3:37 pm	*48°43.052'N 48°42.997'N	*123°27.613'W 123°27.610'W	*79 107	*74 115	* First grab rocks only nonhomogeneous coarsened but still med. worms, shells abundant, fragments and whole minimal smell light colour (grey-green)
24	Zoop	3:50 pm	48°42.997'N	123°27.610'W	120	100	100-0m
25	CTD	4:03 pm	48°42.954'N	123°27.560'W	112 119	105	20140613-S5