

UVIC OCEAN SCIENCES EVENT LOG

Cruise ID: 201803

Collected By: Grant G

Date: March 2, 2018

Vessel: Strickland

Course: EOS 313

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

light rain, wind, calm waters,

STATION	EVENT TYPE	TIME (24h format)	LATITUDE (N) (dd mm.mmm)	LONGITUDE (W) (ddd mm.mmm)	BOTTOM DEPTH (m)	CAST DEPTH (m)	NOTES (e.g. CTD file names, bottle depths, problems, sediment descriptions)
1 S4	CTD	10:09	48.38.445	123.29.984	195	185	20180302-S4.hex
2 S3	CTD	10:40	48.35.518	123.30.016	227	217	light rain 20180302-S3.hex
3 S3	PHYTO	10:53	48.35.334	123.29.995	227	5	light rain, 3 pulls, thin amount of organism, some zooplankton
4 S3	GRAB	11:10	48.35.440	123.29.990	227	227	Smells a lot Jello feeling and very soft bubbles form after being in bag 2.5/2 HVE 2.5Y → lighter layer visible

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EVENT TYPE = CTD, NISK, ZOOP, PHYTO, GRAB, CORE

Cast Depth = deepest depth the equipment reaches

Bottom Depth = depth of water

UVIC OCEAN SCIENCES EVENT LOG

Cruise ID: 201803Collected By: 54-DaonDate: March 2nd 2018Vessel: SticklandCourse: 205 313

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

Cloudy, Cold, low clouds, no wind, calm water, ~7°C

STATION	EVENT TYPE	TIME (24h format)	LATITUDE (N) (dd mm.mmm)	LONGITUDE (W) (ddd mm.mmm)	BOTTOM DEPTH (m)	CAST DEPTH (m)	NOTES (e.g. CTD file names, bottle depths, problems, sediment descriptions)
6 S4	event 6 grab	11:57	48° 38.492'	123° 29.966'	195	195	Cloudy, slight wind less smelly than S3 but still smells of sulfur Very dark brown-black 2.5/1 on mussel chart Jelly consistency Very fine
5 S4	Event 5 phyto	12:08	48° 38.492'	123° 29.966'	195	5m	4 tows, phytoplankton visible (some), clear water, possible zooplankton, tows sank down straight (rather than dragged by current).
7 PB3	PHYTO	12:30	48° 38.837'	123° 28.959'	100	5	3 tows, visible zooplankton making Some green on wet. Tows went sideways and under boat. clear water
8 PB3	GRAB	12:32	48° 38.860'	123° 28.981'	100	100	- twig found - 3/40x colour - Fine grained - dark green - Not as anoxic as before - Cloudy - Not as strong smelling but still smells.

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UVIC OCEAN SCIENCES EVENT LOG

Cruise ID: 201803

Collected By: _____

Date: March 2, 2018

Vessel: Strickland

Course: FOS 313

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

water calm, light wind, overcast

STATION	EVENT TYPE	TIME (24h format)	LATITUDE (N) (dd mm.mmm)	LONGITUDE (W) (ddd mm.mmm)	BOTTOM DEPTH (m)	CAST DEPTH (m)	NOTES (e.g. CTD file names, bottle depths, problems, sediment descriptions)
9 PB3 Event 9	CORE	12:55	48° 38.868	123° 29.631	100	102	only 18 cm recovered - 26cm bagged (1cm intervals) Greenish color
10 PB2 Event 10	CORE	13:20	48° 39.223	123° 28.326	50	51	First = empty.
11 PB2 Event 11	PHYTO	13:20	48° 39.223	123° 28.326	50	5	3 Pulls Presence of thin amount of phyto/zoo plankton
12 PB2 Event 12	GRAB	13:35	48° 39.213	123° 28.294	50	50	Twigs in bottom of sediment. much thicker/larger size sediment not smelly - can see grains worms in sediment - lots of water very consolidated. - green shells in sediment. 3/10T grey

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UVIC OCEAN SCIENCES EVENT LOG

Cruise ID: _____

Collected By: Devon

Date: Mar 2nd 2018

Vessel: Slickland

Course: EOS 313

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

STATION	EVENT TYPE	TIME (24h format)	LATITUDE (N) (dd mm.mmm)	LONGITUDE (W) (ddd mm.mmm)	BOTTOM DEPTH (m)	CAST DEPTH (m)	NOTES (e.g. CTD file names, bottle depths, problems, sediment descriptions)
13 Pb1	Grab 13	14:00	48° 39.174'	123° 28.232'	15	15	good weather, sediment is dark green/brownish coarse grained (poorly sorted) x 1mm angular no shell 25Y color chart 3/2 Clam shell
14 Pb1	Phyto event 14	14:00	48° 39.174'	123° 28.232'	15	5	3 pulls brownish phyto, high presence of small zooplankton tows went sideways under board, straightened to vertical.

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EVENT TYPE = CTD, NISK, ZOOP, PHYTO, GRAB, CORE

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UVIC OCEAN SCIENCES EVENT LOG

Cruise ID: 201803Collected By: Christina RipponDate: 3 Mar 2018Vessel: StacklandCourse: EOS 313

Notes: (temperature, wind, barometer, weather, sea-state, etc)
 Sunny, slight wind, cool (5-6°C)
 some cloud.

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STATION	EVENT TYPE	TIME (24h format)	LATITUDE (N) (dd mm.mmm)	LONGITUDE (W) (ddd mm.mmm)	BOTTOM DEPTH (m)	CAST DEPTH (m)	NOTES (e.g. CTD file names, bottle depths, problems, sediment descriptions)
15 S4	CTD	10:23	48°38.495	123°29.993	195	185	20180303-S4
16 S4	PHYTO	10:40	48°38.443	123°29.975	195	5	Drifting, Horizontal tow-current 1st tow pulling it away from the ship. 3 tows completed
17 S4	GRAB	10:44	48°38.413	123.29.936	195	195	Black, soft = not grainy, smells sulfur very watery, clear = 25/N, very 1 - ziplock filled fine, sulfur smelling 2 - 50 ml tubes mud
18 PB3	Phyto	11:13	48°38.920	123°29.632	101	5	Strong current 4 tows

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Bottom Depth = depth of water

UVIC OCEAN SCIENCES EVENT LOG

Cruise ID: 201803

Collected By: Christina Rippon

Date: 3 Mar 2018

Vessel: Strickland

Course: EOS 313

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

STATION	EVENT TYPE	TIME (24h format)	LATITUDE (N) (dd mm.mmm)	LONGITUDE (W) (ddd mm.mmm)	BOTTOM DEPTH (m)	CAST DEPTH (m)	NOTES (e.g. CTD file names, bottle depths, problems, sediment descriptions)
19 PB3	Grab	11:16	48°38.873	123°29.014	101	101	Less water. Fine grain, less smelly, greener, organic. Small shell fragments (colour = 3/104 (Gileys) mud
20 PB3	Core	11:42	48°38.888	123°28.972	100	100	about 15-20 cm core, some algal mass on surface. Fine grained, layered (dark + olive green) - took 1cm layer core subsamples.
21 PB2	phyto grab	12:17	48°39.208	123°28.326	100	5m	3 tows
22 PB2	Grab	12:31	48°39.258	123°28.325	100m 48.5m	48.5m	water on top 3/2 very dark grayish-brown - coarser sediment, still clay-like but small sand grains, green, shell (reed-like, possible tree bits) tube worms benthic organisms - thick branches

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EVENT TYPE = CTD, NISK, ZOOP, PHYTO, GRAB, CORE

Cast Depth = deepest depth the equipment reaches

Bottom Depth = depth of water

UVIC OCEAN SCIENCES EVENT LOG

Cruise ID: 201803

Collected By: _____

Date: 3 March 2018Vessel: StricklandCourse: EOS B13

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

7°C, sunny, partly cloudy

STATION	EVENT TYPE	TIME (24h format)	LATITUDE (N) (dd mm.mmm)	LONGITUDE (W) (ddd mm.mmm)	BOTTOM DEPTH (m)	CAST DEPTH (m)	NOTES (e.g. CTD file names, bottle depths, problems, sediment descriptions)
23	PB1 Grab	12:41	48°39.602	123°27.560	15	15	Thick, sandy, ^{med} coarse, branches, fine mud too, shell fragments Sub-angular, (large white shell fragment, very dark) Colour = 3/1 gray
24	PB1 phyto	12:41	48°39.602	123°27.560	15	15	3 tows
25	S13 phyto	13:45	48°44.843' N	123°35.724' W	65	5	fine grain, less organic (not smelly) feels like clay, "sticky" greyer, more silty, twigs (terrigenas) worm (oxygenated) Colour 4/3
26	S13 grab	13:45	48°44.843' N	123°35.724' N	65	65	4 tows

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UVIC OCEAN SCIENCES EVENT LOG

Cruise ID: 2018-03Collected By: Taylor CherkasDate: 4 March 2018Vessel: StricklandCourse: EOS 313

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

11°C, wind calm (~5 km/hr), weather mostly clear sunny some clouds,
Sea state: calm

#	STATION	EVENT TYPE	TIME (24h format)	LATITUDE (N) (dd mm.mmm)	LONGITUDE (W) (ddd mm.mmm)	BOTTOM DEPTH (m)	CAST DEPTH (m)	NOTES (e.g. CTD file names, bottle depths, problems, sediment descriptions)
27	S4	CTD	10:26	48° 38.461'	123° 29.986'	195	185	File name: 20180304_54 No problems.
28	S4	PHYTO	10:43	48° 38.460'	123° 29.975'	195	5	4 casts, No Problems
29	S4	GRAB	10:46	48° 38.460'	123° 29.973'	195	195	1 cast, No Problem Sediment: Smells like rotten eggs (strong) Particle size is very fine Non consolidated → pudding like texture → Not sticky Colour: 2.5/1 with small pockets of 5/1 No organisms visible
31	PB1	GRAB	11:13	48° 38.963	123° 28.963	16.2	16.2	1 cast, No problems Sediment: Sand base grain size with some pebbles, not no smell, oxygen rich water. Large shell bivalve in sediments. And worms Colour: 3/2 (2.5Y)

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EVENT TYPE = CTD, NISK, ZOOP, PHYTO, GRAB, CORE

Cast Depth = deepest depth the equipment reaches

Bottom Depth = depth of water

UVIC OCEAN SCIENCES EVENT LOG

Cruise ID: 201803

Collected By: Cam Knox

Date: 4 March 2018

Vessel: Strickland

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

11°C, wind calm (~5 km/hr), weather mostly clear sunny some clouds
sea state, calm

Event# Course: EOS 313

STATION	EVENT TYPE	TIME (24h format)	LATITUDE (N) (dd mm.mmm)	LONGITUDE (W) (ddd mm.mmm)	BOTTOM DEPTH (m)	CAST DEPTH (m)	NOTES (e.g. CTD file names, bottle depths, problems, sediment descriptions)
30 PB1	Phyto	11:13	48° 38.963	123° 28.963	16.2	5	3 casts, No problems
32 PB2	Phyto	11:30	48° 39.218'	123° 28.325'	50	5	4 casts, No problems
33 PB2	Grab	11:30	48° 39.218'	123° 28.325'	50	50	One cast, no issues sediment has no shells, fine grained sand colour: 3/3, 2.5V shells, well sorted, oxygenated water
PB2	Phyto	11:30	48° 39.218	123° 28.325	50	5	4 casts - no problems Duplicate event

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EVENT TYPE = CTD, NISK, ZOOP, PHYTO, GRAB, CORE

Cast Depth = deepest depth the equipment reaches

Bottom Depth = depth of water

UVIC OCEAN SCIENCES EVENT LOG

Cruise ID: 201803

Collected By: _____

Date: Mar 4, 2018Vessel: StricklandCourse: 313

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

calm water, slight wind, cloudy

STATION	EVENT TYPE	TIME (24h format)	LATITUDE (N) (dd mm.mmm)	LONGITUDE (W) (ddd mm.mmm)	BOTTOM DEPTH (m)	CAST DEPTH (m)	NOTES (e.g. CTD file names, bottle depths, problems, sediment descriptions)
PB3a	Grab 35	11:54	48° 38.909'	123° 29.033'	98 100	99 100	Silty, Mostly 3/1 in upper area, ~1 cm gooey, faint smudges (rotten egg) 1 cast no issue Small fragments of shell seen ~3 mm
PB3a	Phyto 34	11:54	48° 38.909'	123° 29.033'	100	5	5 casts total, net tangled on the second. 4 casts used to obtain the sample
PB3a	Core 36	12:17	48° 38.943'	123° 29.027'	100	103	no core collected, lost. try longer core collector
PB3b	Core 37	12:26	48° 38.776'	123° 29.266'	120	rus	Longer wire seen sed. and water interface about half of the core large gas bubble when take the top off

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UVIC OCEAN SCIENCES EVENT LOG

Cruise ID: 201803Collected By: Chloe, Hanako, Mitch, Shae, DavidDate: March 4, 2018Vessel: StricklandCourse: EOS 313

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

STATION	EVENT TYPE	TIME (24h format)	LATITUDE (N) (dd mm.mmm)	LONGITUDE (W) (ddd mm.mmm)	BOTTOM DEPTH (m)	CAST DEPTH (m)	NOTES (e.g. CTD file names, bottle depths, problems, sediment descriptions)
S4.5	Grab event #38	12:57	48°40.185'	123°30.074'	161	161	strong sulfur smell → anoxic mud, colour 2.5/1 ^{from page 2.51} = BLACK MUD Loverly fine
S4.5	phyto event #39	12:57	48°40.185'	123°30.074'	161	5	3 casts completed
S5	40	13:32	48°42.777'	123°27.938'	84.7	84.7	really fine sand, mud but not black, silty clayish components. Shells - many OXYGEN present. olive-greenish 3/2 P2.51
							worms - many

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