

1/31/2017 0920

Total

2 bottles

Proposed sampling stations for CV2017_01_31							
Sample List							
#	StationID	Date:Time	Location	Sample depth	Metals	DOC/DOC	BOD
1	CV-1a	15 1251	Bow of ship at Mooring F - Surface	1.5	XX	XX	
2	CV-1m	15 1240	Bow of ship at Mooring F - Mid Depth	1.7	XX	XX	
3	CV-1b	14 1230	Bow of ship at Mooring F - Near bottom	3.8	XX	XX	X
4	CV-2s	19 1325	Forward starboard side at Mooring F - Surface	1.5	XX	XX	
5	CV-2m	18 1317	Forward starboard side at Mooring F - Mid Depth	1.8	XX	XX	
6	CV-2b	17 1307	Forward starboard side at Mooring F - Near bottom	3.7	XX	XX	X
7	CV-3s	33 1535	Aft starboard side at Mooring F - Surface		XX	XX	
8	CV-3m	32 1528	Aft starboard side at Mooring F - Mid Depth	2.0	XX	XX	
9	CV-3b	31 1517	Aft starboard side at Mooring F - Near bottom	4.0	XX	XX	XX
10	CV-4s	29 1505	Stern of ship at Mooring F - Surface	1.5	XX	XX	
11	CV-4m	28 1500	Stern of ship at Mooring F - Mid Depth	2.2	XX	XX	
12	CV-4b	27 1450	Stern of ship at Mooring F - Near bottom	4.0	XX	XX	X
13	CV-5s	26 1440	Aft port side at Mooring F - Surface	1.5	XX	XX	
14	CV-5m	25 1431	Aft port side at Mooring F - Mid Depth	2.0	XX	XX	
15	CV-5b	24 1421	Aft port side at Mooring F - Near bottom	3.9	XX	XX	X
16	CV-6s	23 1410	Forward port side at Mooring F - Surface	1.5	XX	XX	
17	CV-6m	22 1404	Forward port side at Mooring F - Mid Depth	1.9	XX	XX	
18	CV-6b	20 1351	Forward port side at Mooring F - Near bottom	3.9	XX	XX	X
19	R500-1s	13 1209	Reference 500m west - Surface	1.5	XX	XX	
20	R500-1m	12 1201	Reference 500m west - Mid Depth	1.2	XX	XX	
21	R500-1b	11 1146	Reference 500m west - Near Bottom	2.6	XX	XX	X
22	R500-2s	09 1127	Reference 500m SW - Surface	1.5	XX	XX	
23	R500-2m	08 1119	Reference 500m SW - Mid Depth	1.6	XX	XX	
24	R500-2b	07 1109	Reference 500m SW - Near Bottom	3.6	XX	XX	X
25	R1000-1s	03 0949	Reference 1000m SW - Surface	1.5	XX	XX	
26	R1000-1m	02 0940	Reference 1000m SW - Mid Depth	1.6 ft	XX	XX	
27	R1000-1b	01 0936	Reference 1000m SW - Near Bottom	3.6 ft	XX	XX	X
28	R1000-2s	06 1043	Reference 1000m south - Surface	1.5	XX	XX	
29	R1000-2m	05 1037	Reference 1000m south - Mid Depth	2.6 ft	XX	XX	
30	R1000-2b	04 1019	Reference 1000m south - Near Bottom	4.2 ft	XX	XX	X
10	R500-250	10 1129	Refer 500m dup for metals	1.5	XX		
21	CV62-660	21 1356	CV62-66 Field dup	3.9	XX		
30	CV62-45	36 1508	CV62-45 stern surface Field dup	1.5	XX		

1431 → Bive boat went by, cloud of exhaust

## Station Log

Sample Collector				Page 2 of 3
Sampling Team	Rivera, Earley, Bolick, Johnston, Beyerle			Bremerton Tides
Organization	SPAWAR			CV2017_01_31

Use pre-assigned id n/dd/yy hh:mm/dd/yy hh:mm

Weather: clear windy ~ 45°F - 50°

1/31/2017

StationID	Time Arrive Date/Time	Time Leave Date/Time	Station Type	LAT (North)	LONG (West)	Remarks/ Comments
R1000-1	1/31/2017 0928		Ref	47.54303	122.66634	Near M4 ship not windy
R1000-2	10/15		Ref	47.54311	122.65058	100m from beach
R500-2	1162		Ref	47.54496	122.65675	500m S of Inddy
R500-1	1145		Ref	47.54864	122.66258	500m W of Inddy near shore
<del>R500</del> CV16-1	1225		Ship	47.55373	122.65613	Bow starboard side hull
CV02-2	1305		Ship	47.55309	122.65627	Starboard beam frame
CV02-6	1349		Ship	47.55332	122.65821	Port mid forward
CV02-5	1418		Ship	47.5552	122.65764	Port mid Aft
CV02-4	1434		Ship	47.55114	122.65699	stern
CV02-3	1515		Ship	47.55168	122.65536	Starboard mid aft

Station Type: Marine (M), Nearshore (NS), Stream (S), Stormwater (SW), Outfall (OF), Mussel (Mussel), Sediment (Sed); Other - specify

## Water Quality Log

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Sample Logger		Rivera, Earley, Bolick, Johnston, Beyerle										1/31/2017				
Sampling Team		SPAWAR										CV2017_01_31				
Organization		Instrument:										CV2017_01_31				
Use pre-allowable assigned id code only		mm/dd/yy hr:mm		YSI		Micro		Secchi Bottom		Remarks/ Comments						
SampleID	StationID	Date/Time	Cond	units	Spec. Cond	units	TempC	Sal	ppt	pH	TDS g/L	Turb NTU	Sample #	ft	ft	
01	R1000-1B	0930	28.96	ms	41.06	ms	6.3	28.7			26.69	1.69	36	22	44	Sample - 6-11 fms Bottom 5/6 f
02	R1000-1M	0950	28.96	ms	41.24	ms	6.4	28.9			26.83	1.33	16			Sample
03	R1000-1S	0949	30.27		41.16		7.9	28.8			26.74	0.92	1.5			from surface
04	R1000-2B	1019	28.61		41.39		5.6	29.0			26.87	0.99	42	20	43	
05	R1000-2M	1039	29.23		41.49		6.2	29.1			26.92	0.97	20			wind gusts drifting
06	R1000-2S	1043	30.56		41.32		8.1	28.9			26.85	0.07	1.5			
07	R500-2B	1104	29.51		41.35		6.4	29.3			27.14	0.97	36	21	44	
08	R500-2M	1119	49.76		46.95		7.4	28.7			26.65	0.29	16			
09	R500-2S	1122	30.45		41.27		8.0	28.9			26.82	0.50	1.5			Field Dip for 1.09
11	R500-1B	1146	29.67		41.58		6.7	29.1			27.02	1.84	26	18	34	bottom 11/8/0.75
12	R500-1M	1201	30.59		41.74		7.6	29.3			21.15	0.12	12			
13	R500-1S	1209	30.46		41.14		8.1	28.8			26.74	0.79	2			drifting
14	CV02-1B	1230	29.39		41.45		6.4	29.0			26.94	1.32	38	74	44	
15	CV02-1M	1240	29.41		41.42		6.5	29.0			26.92	0.84	17			
16	CV02-1S	1251	30.81		41.41		8.3	29.0			26.91	0.83	1.5			
17	CV02-2B	1307	29.67		41.56		6.7	29.1			27.02	4.42	37	14	1350	
18	CV02-2M	1317	29.62		41.42		6.8	29.0			26.94	3.46	18			
19	CV02-2S	1325	30.77		41.40		8.3	29.0			26.91	6.42	1.5			Surface
20	CV02-6B	1353	29.85		41.51		7.0	29.1			26.99	0.45	39	13	50	Bottom Dip
21	CV02-6M	1404	29.94		41.39		7.2	29.0			26.93	2.67	19			
22	CV02-6S	1416	30.67		41.25		8.3	28.9			26.81	0.95	1.5			
23	CV02-5B	1421	30.11		41.40		7.4	29.0			26.92	6.34	39	15	49	Bottom
24	CV02-5M	1431	30.76		41.61		8.0	29.2			27.05	1.24	20			
25	CV02-5S	1440	30.82		41.38		8.3	29.0			26.90	1.03	1.5			

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11/31/2010

<del>CV62-4</del> Field		Cond		Cond*		Temp		SAL		TDS		Turb		sketch	
28	CV62-4m	1500	31.85	91.96	9.1	29.1	26.96	1.50	Field dup Surface						
29/30	CV62-45	1505	30.86	41.38	8.4	29.0	26.97	0.60	} Freeze Protection during winter clearing End of Project						
31	CV62-3b	1517	30.65	41.20	8.2	28.9	26.82	0.32							
32	CV62-3m	1528	30.77	41.50	8.2	29.1	26.98	1.65							
33	CV62-3s	1535	30.77	41.44	8.3	29.0	26.94	0.60							