

DAILY SCIENCE LOG						Ocean Sciences Division, Institute of Ocean Sciences												
Cruise Number:			2022-012															
Ship:			Vector															
Event Number	Station Name	Cast Type	Firing Method	Time Code	Date Time (UTC) Computer	Time (UTC) GPS	Positional Information		Sounder Depth	Max Sampling Pressure	Sample Number		# of Bottles	Watch Keepers	Trans. Cleaned	Fluorometer Cleaned	PAR Status (Rosette)	Comments
							Latitude	Longitude			Start	End						
1	CPEI	ROS	US	BE	4/8/2022 3:09	08-04-22 03:09:43	50° 9.93 N	127° 49.75 W	154		1	9	9	Stephen Page	yes	no	yes	
1	CPEI	ROS		BO	4/8/2022 3:12	08-04-22 03:12:50	50° 9.93 N	127° 49.73 W		152	1	9	9	Stephen Page				
1	CPEI	ROS		EN	4/8/2022 3:24	08-04-22 03:23:59	50° 9.93 N	127° 49.73 W		152	1	9	9	Stephen Page				
2	CPEI	DRF		DE	4/8/2022 3:27	08-04-22 03:27:30	50° 9.92 N	127° 49.65 W						David Spear				SCIS 1310, 1333, 1345, 1359, 1360
3	FC1	ROS	US	BE	4/8/2022 14:07	08-04-22 14:07:36	52° 8.62 N	127° 52.21 W	595		10	19	10	Cindy Wright	yes	no	yes	DP -0.25db
3	FC1	ROS		BO	4/8/2022 14:19	08-04-22 14:19:09	52° 8.61 N	127° 52.31 W		596	10	19	10	Cindy Wright				
3	FC1	ROS	US	EN	4/8/2022 14:37	08-04-22 14:37:34	52° 8.69 N	127° 52.28 W			10	19	10	Cindy Wright				
4	RO1	ROS		BE	4/8/2022 15:55	08-04-22 15:55:00	52° 19.79 N	127° 56 W	217					Stephen Page	yes			
4	RO1	ROS		BO	4/8/2022 15:59	08-04-22 15:59:14	52° 19.77 N	127° 56.03 W		217				Stephen Page				
4	RO1	ROS		EN	4/8/2022 16:03	08-04-22 16:03:14	52° 19.77 N	127° 56.03 W						Stephen Page				DP = -0.2
5	RO2	ROS		BE	4/8/2022 16:41	08-04-22 16:41:40	52° 22.72 N	127° 52.47 W	132					Cindy Wright	yes	no	yes	
5	RO2	ROS		BO	4/8/2022 16:44	08-04-22 16:44:18	52° 22.73 N	127° 52.47 W		128				Cindy Wright				
5	RO2	ROS		EN	4/8/2022 16:46	08-04-22 16:46:57	52° 22.75 N	127° 52.47 W						Cindy Wright				
6	RO2	GRAB		BO	4/8/2022 18:33	08-04-22 18:33:40	52° 2.799 N	127° 2.238 W	130					David Spear				disconnected Rosette to connect up grab and core
7	RO2	CORE		BO	4/8/2022 19:47	08-04-22 19:47:19	52° 2.750 N	127° 2.229 W	130	130				Cindy Wright				
8	RO3	ROS	US	BE	4/8/2022 21:33	08-04-22 21:33:20	52° 27.097 N	127° 54.941 W	166		20	31	12	Stephen Page	yes	no	yes	
8	RO3	ROS		BO	4/8/2022 21:36	08-04-22 21:36:52	52° 27.1 N	127° 54.945 W		161				Stephen Page				
8	RO3	ROS		EN	4/8/2022 21:50	08-04-22 21:50:55	52° 27.094 N	127° 54.951 W						Stephen Page				
9	RO5	ROS		BE	4/8/2022 23:12	08-04-22 23:12:07	52° 27.979 N	127° 44.857 W	97					Stephen Page	yes	no	yes	
9	RO5	ROS	US	BO	4/8/2022 23:14	08-04-22 23:14:17	52° 27.983 N	127° 44.844 W		95				Stephen Page				
9	RO5	ROS		EN	4/8/2022 23:16	08-04-22 23:16:17	52° 27.985 N	127° 44.835 W						Stephen Page				
10	RO4	ROS		BE	4/9/2022 0:07	09-04-22 00:07:20	52° 29.916 N	127° 50.805 W	139					Stephen Page	yes	no	yes	

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							Latitude	Longitude			Start	End							
10	RO4	ROS	US	BO	4/9/2022 0:10	09-04-22 00:10:41	52° 29.915 N	127° 50.806 W		136				Stephen Page					
10	RO4	ROS	US	EN	4/9/2022 0:13	09-04-22 00:13:25	52° 29.913 N	127° 50.803 W						Stephen Page					
11	RC1	ROS		BE	4/9/2022 2:22	09-04-22 02:22:17	52° 18.884 N	128° 2.028 W	192					Cindy Wright	yes	no	yes		
11	RC1	ROS	US	BO	4/9/2022 2:26	09-04-22 02:25:57	52° 18.886 N	128° 2.018 W		189				Cindy Wright					
11	RC1	ROS	US	EN	4/9/2022 2:29	09-04-22 02:29:33	52° 18.886 N	128° 2.02 W						Cindy Wright					
12	SP1	ROS		BE	4/9/2022 3:47	09-04-22 03:47:15	52° 19.083 N	128° 12.691 W	390					Stephen Page	yes	no	yes	phsensor cap no longer being removed, small hole drilled in	
12	SP1	ROS	US	BO	4/9/2022 3:54	09-04-22 03:54:31	52° 19.086 N	128° 12.698 W		381				Stephen Page					
12	SP1	ROS		EN	4/9/2022 4:02	09-04-22 04:02:47	52° 19.094 N	128° 12.69 W						Stephen Page					
13	SP2	ROS		BE	4/9/2022 4:39	09-04-22 04:39:32	52°23.4 N	128° 8.872 W	481					David Spear	yes	no	yes		
13	SP2	ROS		BO	4/9/2022 4:50	09-04-22 04:50:28	52° 23.407 N	128° 8.885 W	475	478				David Spear					
13	SP2	ROS		EN	4/9/2022 4:59	09-04-22 04:59:27	52° 23.403 N	128° 8.89 W	476					David Spear					
14	SP3	ROS	US	BE	4/9/2022 5:41	09-04-22 05:41:51	52° 27.675 N	128° 5.197 W	505					Cindy Wright	yes	no	yes		
14	SP3	ROS		BO	4/9/2022 5:51	09-04-22 05:51:30	52° 27.696 N	128° 5.226 W		495	32	47	16	Cindy Wright					
15	SP4	ROS		BE	4/9/2022 7:05	09-04-22 07:05:34	52° 33.583 N	128° 6.165 W	230					Stephen Page	yes	no	yes		
15	SP4	ROS		BO	4/9/2022 7:09	09-04-22 07:09:52	52° 33.557 N	128° 6.178 W		221				Stephen Page					
15	SP4	ROS		EN	4/9/2022 7:15	09-04-22 07:15:54	52° 33.513 N	128° 6.19 W						Stephen Page					
16	MC1	ROS	US	BE	4/9/2022 14:05	09-04-22 14:05:47	52° 22.146 N	128° 21.306 W	261		48	57	10	Cindy Wright	yes	no	yes		
16	MC1	ROS		BO	4/9/2022 14:08	09-04-22 14:08:10	52° 22.147 N	128° 21.302 W		252	48	57	10	Cindy Wright					
16	MC1	ROS		EN	4/9/2022 14:18	09-04-22 14:18:04	52° 22.144 N	128° 21.273 W			48	57	10	Cindy Wright					
17	MC2	ROS		BE	4/9/2022 15:20	09-04-22 15:20:42	52° 29.083 N	128° 14.81 W	417					Cindy Wright	yes	no	yes		
17	MC2	ROS		BO	4/9/2022 15:28	09-04-22 15:28:55	52° 29.064 N	128° 14.8 W		414				Cindy Wright					
17	MC2	ROS		EN	4/9/2022 15:37	09-04-22 15:37:19	52° 29.065 N	128° 14.795 W						Cindy Wright					

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							Latitude	Longitude			Start	End						
18	OP	ROS	US	BE	4/9/2022 16:01	09-04-22 16:01:25	52° 28.738 N	128° 18.459 W	297		58	67	10	Stephen Page	yes	no	yes	
18	OP	ROS		BO	4/9/2022 16:07	09-04-22 16:07:19	52° 28.735 N	128° 18.516 W		293				Stephen Page				
18	OP	ROS		EN	4/9/2022 16:17	09-04-22 16:17:53	52° 28.733 N	128° 18.536 W						Stephen Page				tripped 3 extra surface bottles as there was a concern surface
19	MC3	ROS	US	BE	4/9/2022 17:10	09-04-22 17:10:48	52° 35.208 N	128° 14.712 W	415		68	77	10	David Spear	yes	no	yes	
19	MC3	ROS		BO	4/9/2022 17:20	09-04-22 17:20:14	52° 35.216 N	128° 14.672 W		404				David Spear				
19	MC3	ROS		EN	4/9/2022 17:33	09-04-22 17:33:14	52° 35.216 N	128° 14.672 W						David Spear				
20	MC3	CORE		BO	4/9/2022 19:44	09-04-22 19:44:08	52° 34.24 N	128° 15.752 W	470	470				Cindy Wright				
21	MC4	ROS		BE	4/9/2022 21:26	09-04-22 21:26:38	52° 42.446 N	128° 10.008 W	622					Stephen Page	yes	no	yes	
21	MC4	ROS		BO	4/9/2022 21:38	09-04-22 21:38:17	52° 42.447 N	128° 10.014 W		613				Stephen Page				
21	MC4	ROS		EN	4/9/2022 21:50	09-04-22 21:50:23	52° 42.447 N	128° 10.022 W						Stephen Page				
22	KY1	ROS	US	BE	4/9/2022 22:52	09-04-22 22:52:24	52° 45.061 N	127° 59.497 W	408		78	88	10	Stephen Page	yes	no	yes	
22	KY1	ROS		BO	4/9/2022 23:00	09-04-22 23:00:02	52° 45.057 N	127° 59.471 W		400				Stephen Page				
22	KY1	ROS		EN	4/9/2022 23:14	09-04-22 23:14:03	52° 45.053 N	127° 59.446 W						Stephen Page				
23	KY1	NET		BO	4/9/2022 23:36	09-04-22 23:33:01	52° 45.055 N	127° 59.505 W	408	398				David Spear				
23	KY1	NET		EN	4/9/2022 23:41	09-04-22 23:41:00	52° 45.057 N	127° 59.508 W						David Spear				
24	MU1	ROS	US	BE	4/10/2022 1:09	10-04-22 01:09:06	52° 52.519 N	128° 8.665 W	339		89	98	10	Stephen Page	yes	no	yes	
24	MU1	ROS		BO	4/10/2022 1:14	10-04-22 01:14:47	52° 52.526 N	128° 8.667 W		329				Stephen Page				
24	MU1	ROS		EN	4/10/2022 1:27	10-04-22 01:27:30	52° 52.519 N	128° 8.664 W						Stephen Page				
25	MU2	NET		BO	4/10/2022 2:05	10-04-22 02:05:31	52° 54.187 N	128° 5.009 W	240	230				Stephen Page				
25	MU2	NET		EN	4/10/2022 2:11	10-04-22 02:11:36	52° 54.181 N	128° 5.02 W						Stephen Page				
26	MU2	ROS		BE	4/10/2022 2:20	10-04-22 02:20:24	52° 54.169 N	128° 5.012 W	239					Cindy Wright	yes	no	yes	
26	MU2	ROS		BO	4/10/2022 2:25	10-04-22 02:25:08	52° 54.182 N	128° 5.015 W		231				Cindy Wright				

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							Latitude	Longitude			Start	End						
26	MU2	ROS		EN	4/10/2022 2:29	10-04-22 02:29:42	52° 54.19 N	128° 5.007 W						Cindy Wright				
27	SP	ROS		BE	4/10/2022 3:43	10-04-22 03:43:18	52° 47.468 N	128° 16.091 W	347					Stephen Page	yes	no	yes	
27	SP	ROS		BO	4/10/2022 3:49	10-04-22 03:49:37	52° 47.464 N	128° 16.089 W		337				Stephen Page				
27	SP	ROS		EN	4/10/2022 3:56	10-04-22 03:56:23	52° 47.457 N	128° 16.094 W						Stephen Page				
28	FC3	ROS	US	BE	4/10/2022 4:49	10-04-22 04:45:03	52° 47.878 N	128° 25.729 W	561		99	108	10	Cindy Wright	yes	no	yes	DP=-0.37 db
28	FC3	ROS		BO	4/10/2022 4:57	10-04-22 04:57:06	52° 47.848 N	128° 25.779 W		552				Cindy Wright				
28	FC3	ROS		EN	4/10/2022 5:13	10-04-22 05:13:24	52° 47.866 N	128° 25.834 W						Cindy Wright				
29	FC3	NET		BO	4/10/2022 5:30	10-04-22 05:29:59	52° 47.899 N	128° 25.782 W	557	250				Stephen Page				
29	FC3	NET		EN	4/10/2022 5:34	10-04-22 05:34:15	52° 47.903 N	128° 25.77 W						Stephen Page				
30	GRI1	ROS	US	BE	4/10/2022 14:34	10-04-22 14:34:05	52° 55.743 N	128° 26.231 W	157					Stephen Page	yes	no	yes	
30	GRI1	ROS		BO	4/10/2022 14:37	10-04-22 14:37:22	52° 55.74 N	128° 26.231 W		150				Stephen Page				
30	GRI1	ROS		EN	4/10/2022 14:40	10-04-22 14:40:24	52° 55.738 N	128° 26.231 W						Stephen Page				DP = -0.4 db
31	GR1	ROS	US	BE	4/10/2022 15:16	10-04-22 15:16:38	52° 55.556 N	128° 30.709 W	437		109	118	10	Cindy Wright	yes	no	yes	
31	GR1	ROS		BO	4/10/2022 15:24	10-04-22 15:24:52	52° 55.565 N	128° 30.749 W					10	Cindy Wright				
31	GR1	ROS		BO	4/10/2022 15:25	10-04-22 15:25:11	52° 55.565 N	128° 30.75 W		428				Cindy Wright				
32	TOL1	ROS	US	BE	4/10/2022 16:34	10-04-22 16:33:57	52° 47.15 N	128° 32.584 W	325		119	128	10	Cindy Wright	yes	no	yes	DP=-0.7 db
32	TOL1	ROS		BO	4/10/2022 16:40	10-04-22 16:40:19	52° 47.162 N	128° 32.561 W		316				Cindy Wright				
32	TOL1	ROS		EN	4/10/2022 16:51	10-04-22 16:51:45	52° 47.167 N	128° 32.539 W						Cindy Wright				
33	TOL1	NET		BO	4/10/2022 17:11	10-04-22 17:11:09	52° 47.166 N	128° 32.524 W	324	314				Stephen Page				
33	TOL1	NET		EN	4/10/2022 17:16	10-04-22 17:16:13	52° 47.185 N	128° 32.512 W						Stephen Page				
34	FC2	ROS	US	BE	4/10/2022 18:36	10-04-22 18:36:07	52° 39.501 N	128° 28.161 W	666		129	138	10	Stephen Page	yes	no	yes	
34	FC2	ROS		BO	4/10/2022 18:48	10-04-22 18:48:42	52° 39.546 N	128° 28.134 W		664				Stephen Page				

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							Latitude	Longitude			Start	End						
34	FC2	ROS		EN	4/10/2022 19:08	10-04-22 19:08:12	52° 39.532 N	128° 28.189 W						Stephen Page				
35	FC2	HYPERS		BE	4/10/2022 19:17	10-04-22 19:17:42	52° 39.497 N	128° 28.211 W	664					Sophia Johannessen				Hyperspectral profile
35	FC2	HYPERS		EN	4/10/2022 19:18	10-04-22 19:18:22	52° 39.498 N	128° 28.211 W		14				Sophia Johannessen				casts repeated 3x
36	FC1	ROS	US	BE	4/10/2022 20:17	10-04-22 20:17:44	52° 31.076 N	128° 27.845 W	770		139	158	20	Cindy Wright	yes	no	yes	DP=-0.2 db
36	FC1	ROS		BO	4/10/2022 20:32	10-04-22 20:32:47	52° 31.08 N	128° 27.86 W		768				Cindy Wright				bottle 4 mislabeled at 0-5. we dumped it. Bottle at 250 was
36	FC1	ROS		EN	4/10/2022 20:32	10-04-22 21:04:47	52° 31.069 N	128° 27.853 W						Cindy Wright				
37	MS	NET		EN	4/10/2022 22:21	10-04-22 22:21:02	52° 22.949 N	128° 33.432 W	245	235				Stephen Page				Missed BO see RBR
38	MS	ROS		BE	4/10/2022 22:30	10-04-22 22:30:23	52° 22.958 N	128° 33.475 W	245					David Spear	yes	no	yes	
38	MS	ROS		BO	4/10/2022 22:35	10-04-22 22:35:10	52° 22.958 N	128° 33.494 W		235				David Spear				
38	MS	ROS		EN	4/10/2022 22:39	10-04-22 22:39:33	52° 22.956 N	128° 33.505 W	245	235				David Spear				
39	LS1	ROS		BE	4/11/2022 2:04	11-04-22 02:04:05	52° 31.375 N	128° 52.417 W	247					Stephen Page	yes	no	yes	
39	LS1	ROS		BO	4/11/2022 2:08	11-04-22 02:08:38	52° 31.384 N	128° 52.445 W		239				Stephen Page				bottle #6 came up with bottle closed.
39	LS1	ROS		EN	4/11/2022 2:13	11-04-22 02:13:16	52° 31.397 N	128° 52.461 W						Stephen Page				dp = -0.76 db
40	LS1	NET		BO	4/11/2022 2:30	11-04-22 02:30:40	52° 31.407 N	128° 52.448 W	245	235				Cindy Wright				
40	LS1	NET		EN	4/11/2022 2:34	11-04-22 02:34:56	52° 31.432 N	128° 52.401 W						Cindy Wright				
41	LA1	ROS		BE	4/11/2022 4:00	11-04-22 04:02:45	52° 40.782 N	128° 45.123 W	350					David Spear	no	no	yes	be estimated NMEA failed
41	LA1	ROS		BO	4/11/2022 4:07	11-04-22 04:07:46	52° 40.781 N	128° 45.105 W	318	401				David Spear				sounder must have been seeing side of channel
41	LA1	ROS		EN	4/11/2022 4:19	11-04-22 04:19:56	52° 40.782 N	128° 45.099 W	317					David Spear				
42	SU3	ROS		BE	4/11/2022 14:28	11-04-22 14:28:55	53° 1.702 N	128° 55.151 W	130					Cindy Wright	yes	no	yes	
42	SU3	ROS		BO	4/11/2022 14:31	11-04-22 14:31:28	53° 1.723 N	128° 55.135 W		125				Cindy Wright				
42	SU3	ROS		EN	4/11/2022 14:34	11-04-22 14:34:06	53° 1.724 N	128° 55.144 W						Cindy Wright				
43	SU2	ROS	US	BE	4/11/2022 15:20	11-04-22 15:20:25	52° 57.201 N	128° 59.155 W	142		169	177	9	Cindy Wright	yes	no	yes	

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							Latitude	Longitude			Start	End							
43	SU2	ROS		BO	4/11/2022 15:23	11-04-22 15:23:04	52° 57.184 N	128° 59.164 W		123				Cindy Wright					
43	SU2	ROS		EN	4/11/2022 15:30	11-04-22 15:30:29	52° 57.146 N	128° 59.142 W						Cindy Wright					
44	SU2	HYPERSP		EN	4/11/2022 15:43	11-04-22 15:43:45	52° 56.978 N	128° 59.215 W	142	35				Cindy Wright					
45	SU1	ROS		BE	4/11/2022 16:14	11-04-22 16:14:45	52° 54.074 N	129° 4.684 W	270					David Spear	no	no	yes		
45	SU1	ROS		BO	4/11/2022 16:20	11-04-22 16:20:25	52° 54.066 N	129° 4.609 W		261				David Spear					
45	SU1	ROS		EN	4/11/2022 16:25	11-04-22 16:25:28	52° 54.066 N	129° 4.577 W	264					David Spear					
46	LA2	ROS		BE	4/11/2022 20:06	11-04-22 20:06:26	52° 46.086 N	128° 45.996 W	320					David Spear	yes	no	yes		
46	LA2	ROS		BO	4/11/2022 20:12	11-04-22 20:12:47	52° 46.095 N	128° 45.997 W		318				David Spear					
46	LA2	ROS		EN	4/11/2022 20:19	11-04-22 20:19:11	52° 46.096 N	128° 45.997 W											
47	LA2	HYPERSP		BE	4/11/2022 20:24	11-04-22 20:24:19	52° 46.111 N	128° 45.991 W	314					Sophia Johannessen					
47	LA2	HYPERSP		EN	4/11/2022 20:27	11-04-22 20:27:06	52° 46.111 N	128° 45.988 W		34				Sophia Johannessen				2x casts	
48	LA3	ROS	US	BE	4/11/2022 21:08	11-04-22 21:08:13	52° 51.302 N	128° 43.401 W	372		178	187	10	Cindy Wright	yes	no	yes	DP=-0.012 db	
48	LA3	ROS		BO	4/11/2022 21:15	11-04-22 21:15:33	52° 51.306 N	128° 43.386 W		366				Cindy Wright					
48	LA3	ROS		EN	4/11/2022 21:28	11-04-22 21:28:18	52° 51.319 N	128° 43.38 W						Cindy Wright					
49	LA3	NET		BO	4/11/2022 21:46	11-04-22 21:46:44	52° 51.322 N	128° 43.404 W	371					Cindy Wright					
49	LA3	NET		EN	4/11/2022 21:53	11-04-22 21:53:07	52° 51.322 N	128° 43.391 W		361				Cindy Wright					
50																		NO EVENT - misfire	
51	LA3	hypersp		BE	4/11/2022 22:02	11-04-22 22:01:56	52° 51.331 N	128° 43.382 W	371					Cindy Wright					
51	LA3	hypersp		BO	4/11/2022 22:03	11-04-22 22:03:52	52° 51.341 N	128° 43.381 W						Cindy Wright					
52	LA4	ROS		BE	4/11/2022 22:53	11-04-22 22:53:44	52° 56.018 N	128° 40.307 W	167					Stephen Page	yes	no	yes		
52	LA4	ROS		BO	4/11/2022 22:57	11-04-22 22:57:00	52° 56.016 N	128° 40.306 W		157				Stephen Page					
52	LA4	ROS		EN	4/11/2022 22:59	11-04-22 22:59:52	52° 56.009 N	128° 40.302 W						Stephen Page					

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Ship:			Vector																
Event Number	Station Name	Cast Type	Firing Method	Time Code	Date Time (UTC) Computer	Time (UTC) GPS	Positional Information		Sounder Depth	Max Sampling Pressure	Sample Number		# of Bottles	Watch Keepers	Trans. Cleaned	Fluorometer Cleaned	PAR Status (Rosette)	Comments	
							Latitude	Longitude			Start	End							
53	LA4	hypersp		BE	4/11/2022 23:04	11-04-22 23:04:50	52° 56.008 N	128° 40.265 W	165					Sophia Johannessen					
53	LA4	hypersp		EN	4/11/2022 23:11	11-04-22 23:11:19	52° 55.977 N	128° 40.26 W		34				Sophia Johannessen					
54	KC10	ROS	US	BE	4/12/2022 15:57	12-04-22 15:57:01	51° 39.007 N	127° 57.065 W	365		188	197	10	Cindy Wright	yes	no	no	DP=-0.376 db	
54	KC10	ROS		BO	4/12/2022 16:04	12-04-22 16:04:43	51° 39.02 N	127° 57.042 W		372				Cindy Wright				missed en, see the SBE log	
55	FH11	ROS		BE	4/12/2022 17:11	12-04-22 17:11:23	51° 36.889 N	127° 45.102 W	180					Cindy Wright	no	yes	yes		
55	FH11	ROS		BO	4/12/2022 17:15	12-04-22 17:15:02	51° 36.892 N	127° 45.128 W		174.6				Cindy Wright					
55	FH11	ROS		EN	4/12/2022 17:18	12-04-22 17:18:52	51° 36.906 N	127° 45.136 W						Cindy Wright					
56	FH11	HyperSP		BE	4/12/2022 17:21	12-04-22 17:21:19	51° 36.923 N	127° 45.143 W	184					Sophia Johannessen					
56	FH11	HyperSP		EN	4/12/2022 17:31	12-04-22 17:31:54	51° 36.958 N	127° 45.088 W	180					Sophia Johannessen					
57	BO1	ROS		BE	4/12/2022 21:09	12-04-22 21:09:45	51° 21.25 N	127° 29.556 W	265					David Spear					
57	BO1	ROS		BO	4/12/2022 21:15	12-04-22 21:14:58	51° 21.253 N	127° 29.543 W		262				David Spear					
57	BO1	ROS		EN	4/12/2022 21:20	12-04-22 21:20:19	51° 21.27 N	127° 29.54 W											
58	BO1	HYPERS		BE	4/12/2022 21:23	12-04-22 21:23:36	51° 21.27 N	127° 29.529 W	268					Sophia Johannessen					
58	BO1	HYPERS		EN	4/12/2022 21:30	12-04-22 21:30:55	51° 21.279 N	127° 29.482 W		37				Sophia Johannessen					
59	BO2	ROS		BE	4/12/2022 22:15	12-04-22 22:14:56	51° 23.359 N	127° 23.091 W	151					David Spear	no	no	yes		
59	BO2	ROS		BO	4/12/2022 22:18	12-04-22 22:18:32	51° 23.366 N	127° 23.079 W	151	146				David Spear					
59	BO2	ROS		EN	4/12/2022 22:21	12-04-22 22:21:08	51° 23.369 N	127° 23.076 W						David Spear					
60	BO2	HyperSP		EN	4/12/2022 22:27	12-04-22 22:27:09	51° 23.388 N	127° 23.041 W	151					Sophia Johannessen					
61	SM1	ROS		BE	4/12/2022 23:47	12-04-22 23:47:52	51° 18.708 N	127° 29.974 W	212					David Spear	yes	no	yes		
61	SM1	ROS		BO	4/12/2022 23:52	12-04-22 23:52:06	51° 18.709 N	127° 29.986 W		207				David Spear					
61	SM1	ROS		EN	4/12/2022 23:56	12-04-22 23:56:15	51° 18.708 N	127° 29.98 W						David Spear					
62	SM2	ROS		BE	4/13/2022 0:54	13-04-22 00:54:14	51° 17.998 N	127° 22.13 W	387					Cindy Wright	yes	no	yes		

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Event Number	Station Name	Cast Type	Firing Method	Time Code	Date Time (UTC) Computer	Time (UTC) GPS	Positional Information		Sounder Depth	Max Sampling Pressure	Sample Number		# of Bottles	Watch Keepers	Trans. Cleaned	Fluorometer Cleaned	PAR Status (Rosette)	Comments
							Latitude	Longitude			Start	End						
62	SM2	ROS		BO	4/13/2022 1:01	13-04-22 01:01:20	51° 18.009 N	127° 22.119 W		365				Cindy Wright				
62	SM2	ROS		EN	4/13/2022 1:08	13-04-22 01:08:22	51° 18.028 N	127° 22.119 W						Cindy Wright				
63	SM3	ROS		BE	4/13/2022 1:48	13-04-22 01:48:36	51° 18.489 N	127° 14.727 W	327					Stephen Page	yes	no	yes	
63	SM3	ROS		BO	4/13/2022 1:54	13-04-22 01:54:30	51° 18.493 N	127° 14.734 W		321				Stephen Page				
63	SM3	ROS		EN	4/13/2022 2:00	13-04-22 02:00:31	51° 18.496 N	127° 14.739 W						Stephen Page				
64	SM3A	ROS		BE	4/13/2022 2:26	13-04-22 02:26:16	51° 19.264 N	127° 11.055 W	229					David Spear	yes	no	yes	
64	SM3A	ROS		BO	4/13/2022 2:30	13-04-22 02:30:34	51° 19.267 N	127° 11.056 W		227				David Spear				
64	SM3A	ROS		EN	4/13/2022 2:34	13-04-22 02:34:39	51° 19.272 N	127° 11.058 W						David Spear				
65	SM4	ROS		BE	4/13/2022 3:02	13-04-22 03:02:39	51° 21.582 N	127° 9.016 W	185					David Spear	yes	no	yes	
65	SM4	ROS		BO	4/13/2022 3:09	13-04-22 03:09:31	51° 21.586 N	127° 9.027 W		181				David Spear				late entry for BO
65	SM4	ROS		EN	4/13/2022 3:20	13-04-22 03:20:06	51° 21.592 N	127° 9.02 W						David Spear				
66	SM5	ROS		BE	4/13/2022 4:01	13-04-22 04:01:10	51° 21.286 N	127° 6.188 W	110					Stephen Page	yes	no	yes	
66	SM5	ROS		BO	4/13/2022 4:03	13-04-22 04:03:24	51° 21.285 N	127° 6.196 W		104				Stephen Page				
66	SM5	ROS		EN	4/13/2022 4:05	13-04-22 04:05:38	51° 21.282 N	127° 6.199 W		104				Stephen Page				
67	Drifters	DRF		DE	4/13/2022 12:41	13-04-22 12:41:25	51° 9.837 N	127° 52.898 W						CCG Night Watch				
68	SC01	ROS		BE	4/13/2022 14:58	13-04-22 14:58:04	51° 5.515 N	127° 31.455 W	80						yes	no	yes	
68	SC01	ROS		BO	4/13/2022 14:59	13-04-22 14:59:54	51° 5.518 N	127° 31.44 W		74								
68	SC01	ROS		EN	4/13/2022 15:01	13-04-22 15:01:40	51° 5.517 N	127° 31.435 W										
69	NS0	ROS	US	BE	4/13/2022 15:37	13-04-22 15:37:04	51° 5.596 N	127° 28.804 W	91		213	222	10	Clindy Wright	yes	no	yes	DP=-0.133db
69	NS0	ROS		BO	4/13/2022 15:39	13-04-22 15:38:59	51° 5.603 N	127° 28.813 W		83			10	Cindy Wright				
69	NS0	ROS		EN	4/13/2022 15:45	13-04-22 15:45:17	51° 5.61 N	127° 28.849 W						Cindy Wright				
70	SE1	ROS		BE	4/13/2022 16:08	13-04-22 16:08:15	51° 4.492 N	127° 26.453 W	104					Stephen Page	yes	no	yes	

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							Latitude	Longitude			Start	End						
70	SE1	ROS		BO	4/13/2022 16:10	13-04-22 16:10:20	51° 4.492 N	127° 26.453 W		97				Stephen Page				
70	SE1	ROS		EN	4/13/2022 16:12	13-04-22 16:12:10	51° 4.489 N	127° 26.455 W						Stephen Page				
71	SE2	ROS	US	BE	4/13/2022 16:31	13-04-22 16:31:52	51° 3.485 N	127° 23.501 W	96		222	230	9	Stephen Page	yes	no	yes	
71	SE2	ROS		BO	4/13/2022 16:33	13-04-22 16:33:44	51° 3.481 N	127° 23.49 W		91				Stephen Page				
71	SE2	ROS		EN	4/13/2022 16:41	13-04-22 16:41:10	51° 3.435 N	127° 23.426 W						Stephen Page				dp = -0.514db
72	SE2A	ROS		BE	4/13/2022 17:08	13-04-22 17:08:53	51° 2.265 N	127° 19.997 W	68					Stephen Page	yes	no	yes	
72	SE2A	ROS		BO	4/13/2022 17:09	13-04-22 17:09:56	51° 2.265 N	127° 19.994 W		68				Stephen Page				
72	SE2A	ROS		EN	4/13/2022 17:11	13-04-22 17:11:08	51° 2.265 N	127° 19.995 W						Stephen Page				
73	SE3	ROS		BE	4/13/2022 17:38	13-04-22 17:38:32	51° 2.885 N	127° 15.484 W	446					Cindy Wright	yes	no	yes	
73	SE3	ROS		BO	4/13/2022 17:47	13-04-22 17:47:07	51° 2.885 N	127° 15.474 W		440				Cindy Wright				
73	SE3	ROS		EN	4/13/2022 17:55	13-04-22 17:55:37	51° 2.889 N	127° 15.47 W						Cindy Wright				
74	SE4	ROS	US	BE	4/13/2022 18:33	13-04-22 18:33:07	51° 3.178 N	127° 7.939 W	528		231	254	24	Stephen Page	yes	no	yes	pump was not running after previous cast
74	SE4	ROS		BO	4/13/2022 18:43	13-04-22 18:43:46	51° 3.173 N	127° 7.948 W		542				Stephen Page				
74	SE4	ROS		EN	4/13/2022 19:04	13-04-22 19:04:35	51° 3.188 N	127° 7.902 W						Stephen Page				CHL250b ;LOST
75	FRS0	ROS		BE	4/13/2022 20:45	13-04-22 20:45:28	51° 3.79 N	126° 44.583 W	159					Cindy Wright	yes	no	yes	
75	FRS0	ROS		BO	4/13/2022 20:48	13-04-22 20:48:29	51° 3.787 N	126° 44.579 W		154				Cindy Wright				
75	FRS0	ROS		EN	4/13/2022 20:51	13-04-22 20:51:41	51° 3.786 N	126° 44.578 W						Cindy Wright				
76	FRS2	ROS		BE	4/13/2022 21:20	13-04-22 21:20:05	51° 0.56 N	126° 42.24 W	212					Cindy Wright	yes	no	yes	
76	FRS2	ROS		BO	4/13/2022 21:24	13-04-22 21:24:15	51° 0.578 N	126° 42.233 W		206				Cindy Wright				
76	FRS2	ROS		EN	4/13/2022 21:28	13-04-22 21:28:14	51° 0.601 N	126° 42.228 W						Cindy Wright				
77	FRS1	ROS	US	BE	4/13/2022 21:45	13-04-22 21:45:38	51° 2.247 N	126° 43.019 W	242		255	264	10	Cindy Wright	yes	no	yes	
77	FRS1	ROS		BO	4/13/2022 21:50	13-04-22 21:50:11	51° 2.247 N	126° 43.014 W		236				Cindy Wright				

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Event Number	Station Name	Cast Type	Firing Method	Time Code	Date Time (UTC) Computer	Time (UTC) GPS	Positional Information		Sounder Depth	Max Sampling Pressure	Sample Number		# of Bottles	Watch Keepers	Trans. Cleaned	Fluorometer Cleaned	PAR Status (Rosette)	Comments
							Latitude	Longitude			Start	End						
77	FRS1	ROS		EN	4/13/2022 22:01	13-04-22 22:01:03	51° 2.253 N	126° 42.995 W						Cindy Wright				
78	SE6	ROS	US	BE	4/13/2022 22:54	13-04-22 22:53:59	51° 4.314 N	126° 52.3 W	530		265	274	10	Cindy Wright	yes	no	yes	DP=-0.186db
78	SE6	ROS		BO	4/13/2022 23:04	13-04-22 23:04:21	51° 4.31 N	126° 52.32 W		530				Cindy Wright				testing RBR: S. Page
79	SE6	ROS		EN	4/13/2022 23:21	13-04-22 23:21:31	51° 4.315 N	126° 52.323 W						Cindy Wright				
80	SE6	CORE		BO	4/14/2022 0:51	14-04-22 00:51:39	51° 4.317 N	126° 52.331 W	531	531.75				Cindy Wright				
81	SE7	ROS		BE	4/14/2022 2:19	14-04-22 02:19:02	51° 5.999 N	126° 44.994 W	257					Stephen Page	yes	no	yes	
81	SE7	ROS		BO	4/14/2022 2:24	14-04-22 02:24:14	51° 6.002 N	126° 45.002 W		257				Stephen Page				
81	SE7	ROS		EN	4/14/2022 2:29	14-04-22 02:29:50	51° 6.01 N	126° 45.002 W						Stephen Page				
82	SE8	ROS		BE	4/14/2022 3:18	14-04-22 03:18:47	51° 10.993 N	126° 39.511 W	135					Stephen Page	yes	no	yes	
82	SE8	ROS		BO	4/14/2022 3:20	14-04-22 03:20:52	51° 10.991 N	126° 39.509 W		128				Stephen Page				
82	SE8	ROS	US	EN	4/14/2022 3:23	14-04-22 03:23:20	51° 10.99 N	126° 39.509 W						Stephen Page				
83	SE7.5	ROS	US	BE	4/14/2022 3:54	14-04-22 03:54:06	51° 8.211 N	126° 41.482 W	368					David Spear	yes	no	yes	NOTE: error associated with sample numbers. See Rosette
83	SE7.5	ROS	US	BO	4/14/2022 4:01	14-04-22 04:00:58	51° 8.209 N	126° 41.483 W		365				David Spear				
83	SE7.5	ROS	US	EN	4/14/2022 4:14	14-04-22 04:14:01	51° 8.2 N	126° 41.492 W						David Spear				
84	SE5	NET		BE	4/14/2022 5:54	14-04-22 05:54:49	51° 4.278 N	127° 0.692 W	608					David Spear				
84	SE5	NET		BO	4/14/2022 6:04	14-04-22 06:04:20	51° 4.279 N	127° 0.7 W		250				David Spear				
85	SE5	ROS	US	BE	4/14/2022 6:15	14-04-22 06:15:38	51° 4.28 N	127° 0.688 W	608					David Spear	yes	no	yes	
85	SE5	ROS	US	BO	4/14/2022 6:27	14-04-22 06:27:41	51° 4.273 N	127° 0.674 W		605				David Spear				
85	SE5	ROS	US	EN	4/14/2022 6:39	14-04-22 06:39:20	51° 4.27 N	127° 0.67 W						David Spear				
86	BE7	ROS		BE	4/14/2022 14:03	14-04-22 14:03:27	51° 6.311 N	126° 55.811 W	250					Cindy Wright	yes	no	yes	
86	BE7	ROS		BO	4/14/2022 14:08	14-04-22 14:08:19	51° 6.314 N	126° 55.81 W		250				Cindy Wright				
86	BE7	ROS		EN	4/14/2022 14:13	14-04-22 14:13:45	51° 6.313 N	126° 55.81 W						Cindy Wright				

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							Latitude	Longitude			Start	End						
87	BE6	ROS	US	BE	4/14/2022 14:46	14-04-22 14:46:04	51° 6.526 N	127° 2.126 W	328		281	290	10	Cindy Wright	no	no	no	
87	BE6	ROS		BO	4/14/2022 14:52	14-04-22 14:52:04	51° 6.527 N	127° 2.125 W		325				Cindy Wright				
87	BE6	ROS		EN	4/14/2022 15:05	14-04-22 15:05:09	51° 6.527 N	127° 2.117 W						Cindy Wright				
88	BE4	NET		BO	4/14/2022 16:17	14-04-22 16:17:12	51° 7.793 N	127° 15.266 W	372	362				Stephen Page				
88	BE4	NET		EN	4/14/2022 16:21	14-04-22 16:21:45	51° 7.791 N	127° 15.28 W						Stephen Page				
89	BE4	ROS	US	BE	4/14/2022 16:30	14-04-22 16:30:34	51° 7.803 N	127° 15.266 W	372		291	312	22	Cindy Wright	yes	no	yes	
89	BE4	ROS		BO	4/14/2022 16:37	14-04-22 16:37:55	51° 7.807 N	127° 15.256 W		369				Cindy Wright				
89	BE4	ROS		EN	4/14/2022 16:55	14-04-22 16:54:59	51° 7.816 N	127° 15.239 W						Cindy Wright				
90	BE5	ROS		BE	4/14/2022 17:41	14-04-22 17:41:23	51° 7.152 N	127° 8.924 W	294					Cindy Wright	yes	no	yes	shore party leaves to sample Alison Sound using RBR
90	BE5	ROS		BO	4/14/2022 17:47	14-04-22 17:47:32	51° 7.149 N	127° 8.914 W		292				Cindy Wright				
90	BE5	ROS		EN	4/14/2022 17:53	14-04-22 17:53:12	51° 7.148 N	127° 8.9 W						Cindy Wright				
91	BE3	ROS		BE	4/14/2022 19:30	14-04-22 19:30:27	51° 7.851 N	127° 22.175 W	289					Cindy Wright	yes	no	yes	
91	BE3	ROS		BO	4/14/2022 19:35	14-04-22 19:35:44	51° 7.852 N	127° 22.177 W		277				Cindy Wright				
92	BE3	ROS		EN	4/14/2022 19:41	14-04-22 19:41:11	51° 7.852 N	127° 22.196 W						Cindy Wright				
93	BE3	HYPERSP		BE	4/14/2022 19:42	14-04-22 19:42:14	51° 7.852 N	127° 22.197 W	286					Sophia Johannessen				2x casts
93	BE3	HYPERSP		EN	4/14/2022 19:47	14-04-22 19:47:41	51° 7.849 N	127° 22.254 W		24				Sophia Johannessen				alison sound rhib returns
94	MES0	ROS	US	BE	4/14/2022 20:19	14-04-22 20:19:24	51° 7.791 N	127° 25.241 W	217		313	322	10	Cindy Wright	yes	no	yes	
94	MES0	ROS		BO	4/14/2022 20:23	14-04-22 20:23:43	51° 7.791 N	127° 25.251 W		202				Sophia Johannessen				
94	MES0	ROS	US	EN	4/14/2022 20:33	14-04-22 20:33:27	51° 7.79 N	127° 25.261 W						Sophia Johannessen				
95	MES0	HYPERSP		BE	4/14/2022 20:34	14-04-22 20:34:58	51° 7.79 N	127° 25.259 W	219					Sophia Johannessen				
95	MES0	HYPERSP		EN	4/14/2022 20:37	14-04-22 20:37:32	51° 7.787 N	127° 25.288 W		24				Sophia Johannessen				
96	MES1	HYPERSP		BE	4/14/2022 20:58	14-04-22 20:58:10	51° 8.82 N	127° 24.71 W	83					Sophia Johannessen				

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							Latitude	Longitude			Start	End							
96	MES1	HYPERSP		EN	4/14/2022 21:01	14-04-22 21:01:13	51° 8.814 N	127° 24.69 W		18				Sophia Johannessen					
97	MES1	ROS		BE	4/14/2022 21:08	14-04-22 21:08:49	51° 8.829 N	127° 24.705 W	83					Stephen Page	yes	no	yes		
97	MES1	ROS		BO	4/14/2022 21:10	14-04-22 21:10:43	51° 8.826 N	127° 24.703 W		77				Stephen Page					
97	MES1	ROS		EN	4/14/2022 21:12	14-04-22 21:12:04	51° 8.825 N	127° 24.705 W						Stephen Page					
98	MES2	HYPERSP		BE	4/14/2022 21:28	14-04-22 21:28:33	51° 9.915 N	127° 25.114 W	98					Sophia Johannessen					
98	MES2	HYPERSP		EN	4/14/2022 21:30	14-04-22 21:30:29	51° 9.912 N	127° 25.127 W		20				Sophia Johannessen					
99	MES2	ROS		BE	4/14/2022 21:32	14-04-22 21:32:42	51° 9.911 N	127° 25.129 W	96					Cindy Wright	yes	no	yes		
99	MES2	ROS		BO	4/14/2022 21:34	14-04-22 21:34:28	51° 9.912 N	127° 25.129 W		87				Cindy Wright					
99	MES2	ROS	US	EN	4/14/2022 21:36	14-04-22 21:36:18	51° 9.912 N	127° 25.135 W						Cindy Wright					
100	MES3	ROS	US	BE	4/14/2022 21:59	14-04-22 21:59:25	51° 11.633 N	127° 24.677 W	89						yes	no	yes		
100	MES3	ROS	US	BO	4/14/2022 22:01	14-04-22 22:01:25	51° 11.636 N	127° 24.671 W		85									
100	MES3	ROS	US	EN	4/14/2022 22:03	14-04-22 22:03:11	51° 11.638 N	127° 24.666 W											
101	MES3	hypersp	US	BE	4/14/2022 22:10	14-04-22 22:06:52	51° 11.602 N	127° 24.709 W	89					Cindy Wright					
101	MES3	hypersp	US	EN	4/14/2022 22:10	14-04-22 22:08:56	51° 11.601 N	127° 24.711 W	89					Cindy Wright					
102	MES4	NET		BO	4/14/2022 22:38	14-04-22 22:38:40	51° 11.823 N	127° 21.193 W	162	152				Cindy Wright					
102	MES4	NET		EN	4/14/2022 22:40	14-04-22 22:40:40	51° 11.823 N	127° 21.177 W	162	152				Cindy Wright					
103	MES4	ROS	US	BE	4/14/2022 22:53	14-04-22 22:53:28	51° 11.825 N	127° 21.197 W	162					Stephen Page	yes	no	yes		
103	MES4	ROS	US	BO	4/14/2022 22:57	14-04-22 22:57:07	51° 11.826 N	127° 21.198 W		160	323	332	10	Stephen Page					
103	MES4	ROS	US	EN	4/14/2022 23:05	14-04-22 23:05:15	51° 11.827 N	127° 21.207 W						Stephen Page					
104	MES5	ROS		BE	4/14/2022 23:41	14-04-22 23:41:40	51° 11.575 N	127° 16.285 W	130					Stephen Page	yes	no	yes		
104	MES5	ROS		BO	4/14/2022 23:43	14-04-22 23:43:54	51° 11.578 N	127° 16.288 W		125				Stephen Page					
104	MES5	ROS		EN	4/14/2022 23:46	14-04-22 23:46:19	51° 11.579 N	127° 16.288 W						Stephen Page					

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Event Number	Station Name	Cast Type	Firing Method	Time Code	Date Time (UTC) Computer	Time (UTC) GPS	Positional Information		Sounder Depth	Max Sampling Pressure	Sample Number		# of Bottles	Watch Keepers	Trans. Cleaned	Fluorometer Cleaned	PAR Status (Rosette)	Comments
							Latitude	Longitude			Start	End						
105	BE2	ROS		BE	4/15/2022 1:18	15-04-22 01:18:51	51° 7.871 N	127° 30.498 W	196					Stephen Page	yes	no	yes	
105	BE2	ROS		BO	4/15/2022 1:22	15-04-22 01:22:00	51° 7.872 N	127° 30.498 W		188				Stephen Page				
105	BE2	ROS		EN	4/15/2022 1:25	15-04-22 01:25:41	51° 7.873 N	127° 30.504 W						Stephen Page				dp = -0.509db
106	BE1	ROS	US	BE	4/15/2022 1:49	15-04-22 01:49:26	51° 7.71 N	127° 34.284 W	224		333	342	10	Cindy Wright	yes	no	yes	log crashed. BE a bit late
106	BE1	ROS	US	BO	4/15/2022 1:52	15-04-22 01:52:51	51° 7.711 N	127° 34.293 W						Cindy Wright				
106	BE1	ROS	US	BO	4/15/2022 1:52	15-04-22 01:52:56	51° 7.711 N	127° 34.293 W		220				Cindy Wright				
106	BE1	ROS	US	EN	4/15/2022 2:03	15-04-22 02:03:13	51° 7.713 N	127° 34.316 W		220				Cindy Wright				
107	ALS4	CTD		BE	4/15/2022 2:26	14-04-22 18:04:00	51° 10.840 N	126° 55.460 W	81					Stephen Page				RBR deom rhib. Page/Spear
107	ALS4	CTD		BO	4/15/2022 2:26	14-04-22 18:08:00	51° 10.840 N	126° 55.460 W		76				Stephen Page				
107	ALS4	CTD		EN	4/15/2022 2:26	14-04-22 18:11:00	51° 10.840 N	126° 55.460 W						Stephen Page				
108	ALS3	CTD		BE	4/15/2022 2:28	14-04-22 18:15:00	51° 10.0 N	126° 56.790 W	144					Stephen Page				RBR deom rhib. Page/Spear
108	ALS3	CTD		BO	4/15/2022 2:28	14-04-22 18:19:00	51° 10.0 N	126° 56.790 W		139				Stephen Page				
108	ALS3	CTD		EN	4/15/2022 2:28	14-04-22 18:22:00	51° 10.0 N	126° 56.790 W						Stephen Page				
109	ALS2	CTD		BE	4/15/2022 2:29	14-04-22 18:31:00	51° 10.200 N	127° 02.470 W	118					Stephen Page				RBR deom rhib. Page/Spear
109	ALS2	CTD		BO	4/15/2022 2:29	14-04-22 18:36:00	51° 10.200 N	127° 02.470 W		113				Stephen Page				
109	ALS2	CTD		EN	4/15/2022 2:29	14-04-22 18:39:00	51° 10.200 N	127° 02.470 W						Stephen Page				
110	QCS2	ROS	US	BE	4/15/2022 14:11	15-04-22 14:11:28	50° 46.546 N	127° 2.435 W	221					Cindy Wright	yes	no	yes	BE a bit late since the terra term
110	QCS2	ROS		BO	4/15/2022 14:12	15-04-22 14:12:26	50° 46.545 N	127° 2.438 W		220				Cindy Wright				crapped out
110	QCS2	ROS		EN	4/15/2022 14:26	15-04-22 14:26:26	50° 46.547 N	127° 2.434 W						Cindy Wright				
111	WP	ROS		BE	4/15/2022 15:15	15-04-22 15:15:43	50° 50.845 N	126° 56.419 W	179					Stephen Page	yes	no	yes	interesting noise transmissivity trace
111	WP	ROS		BO	4/15/2022 15:19	15-04-22 15:19:10	50° 50.857 N	126° 56.414 W		175				Stephen Page				
111	WP	ROS		EN	4/15/2022 15:22	15-04-22 15:22:33	50° 50.873 N	126° 56.402 W						Stephen Page				

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Event Number	Station Name	Cast Type	Firing Method	Time Code	Date Time (UTC) Computer	Time (UTC) GPS	Positional Information		Sounder Depth	Max Sampling Pressure	Sample Number		# of Bottles	Watch Keepers	Trans. Cleaned	Fluorometer Cleaned	PAR Status (Rosette)	Comments
							Latitude	Longitude			Start	End						
112	WP	NET		BO	4/15/2022 15:36	15-04-22 15:36:40	50° 50.892 N	126° 56.334 W	180					David Spear				true BO missed as which did not call it out. See RBR
112	WP	NET		EN	4/15/2022 15:37	15-04-22 15:37:47	50° 50.889 N	126° 56.333 W		170				David Spear				
113	WP0.5	ROS		BE	4/15/2022 16:11	15-04-22 16:11:27	50° 52.85 N	126° 53.237 W	158					Stephen Page	yes	no	yes	cast stopped at 100m. wire jumped off sheave on winch
113	WP0.5	ROS		BO	4/15/2022 16:12	15-04-22 16:12:51	50° 52.852 N	126° 53.238 W		154				Stephen Page				
113	WP0.5	ROS		EN	4/15/2022 16:15	15-04-22 16:15:53	50° 52.864 N	126° 53.243 W						Stephen Page				
114	SC	ROS	US	BE	4/15/2022 16:55	15-04-22 16:55:32	50° 53.407 N	126° 45.803 W	232		353	362	10	Cindy Wright	yes	no	yes	
114	SC	ROS		BO	4/15/2022 17:01	15-04-22 17:01:16	50° 53.402 N	126° 45.782 W		227				Cindy Wright				
114	SC	ROS		EN	4/15/2022 17:18	15-04-22 17:18:00	50° 53.381 N	126° 45.820 W						Cindy Wright				
115	KIN0	ROS		BE	4/15/2022 18:06	15-04-22 18:06:09	50° 51.725 N	126° 37.259 W	400					Cindy Wright	yes	no	yes	Log crashed, BE a bit late
115	KIN0	ROS		BO	4/15/2022 18:12	15-04-22 18:12:42	50° 51.735 N	126° 37.265 W		397				Cindy Wright				
115	KIN0	ROS		EN	4/15/2022 18:20	15-04-22 18:20:13	50° 51.749 N	126° 37.27 W						Cindy Wright				
116	KIN1.5	ROS	US	BE	4/15/2022 19:14	15-04-22 19:14:28	50° 56.188 N	126° 28.929 W	475		363	384	22	Stephen Page	yes	no	yes	
116	KIN1.5	ROS		BO	4/15/2022 19:24	15-04-22 19:24:14	50° 56.195 N	126° 28.919 W		474				Stephen Page				
116	KIN1.5	ROS		EN	4/15/2022 19:41	15-04-22 19:41:41	50° 56.193 N	126° 28.915 W						Stephen Page				
117	KIN1.5	CORE		BO	4/15/2022 21:07	15-04-22 21:07:11	50° 56.271 N	126° 28.143 W	479	478				David Spear				
117	BS	ROS		BE	4/15/2022 22:45	15-04-22 22:45:38	50° 52.891 N	126° 26.016 W	133					Stephen Page	yes	no	yes	
117	BS	ROS		BO	4/15/2022 22:48	15-04-22 22:48:07	50° 52.891 N	126° 26.017 W		128				Stephen Page				
117	BS	ROS		EN	4/15/2022 22:50	15-04-22 22:50:31	50° 52.889 N	126° 26.021 W						Stephen Page				
118	KIN3	ROS		BE	4/16/2022 0:04	16-04-22 00:04:57	50° 54.924 N	126° 14.789 W	198					David Spear	yes	no	yes	
118	KIN3	ROS		BO	4/16/2022 0:08	16-04-22 00:08:57	50° 54.924 N	126° 14.777 W		192				David Spear				
118	KIN3	ROS		EN	4/16/2022 0:12	16-04-22 00:12:45	50° 54.92 N	126° 14.783 W						David Spear				
119	KIN2	ROS	US	BE	4/16/2022 1:11	16-04-22 01:11:30	50° 55.486 N	126° 23.204 W	371		395	404	10	David Spear	yes	no	yes	

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							Latitude	Longitude			Start	End						
119	KIN2	ROS		BO	4/16/2022 1:19	16-04-22 01:19:10	50° 55.507 N	126° 23.223 W		369			10	David Spear				
119	KIN2	ROS		EN	4/16/2022 1:31	16-04-22 01:31:27	50° 55.507 N	126° 23.188 W					10	David Spear				
120	KIN2	NET		BO	4/16/2022 1:50	16-04-22 01:50:43	50° 55.521 N	126° 23.252 W	371	361				Stephen Page				
120	KIN2	NET		EN	4/16/2022 1:57	16-04-22 01:57:06	50° 55.53 N	126° 23.265 W						Stephen Page				
121	WS0.5	ROS	US	BE	4/16/2022 2:43	16-04-22 02:43:33	50° 58.562 N	126° 30.455 W	432		385	394	10	Cindy Wright	yes	no	yes	
121	WS0.5	ROS		BO	4/16/2022 2:52	16-04-22 02:52:24	50° 58.577 N	126° 30.48 W		430				Cindy Wright				
121	WS0.5	ROS		EN	4/16/2022 3:06	16-04-22 03:06:32	50° 58.594 N	126° 30.408 W						Cindy Wright				
122	WS1	ROS		BE	4/16/2022 3:32	16-04-22 03:32:21	51° 1.069 N	126° 31.345 W	193					Stephen Page	yes	no	yes	
122	WS1	ROS		BO	4/16/2022 3:36	16-04-22 03:36:01	51° 1.075 N	126° 31.352 W		193				Stephen Page				
122	WS1	ROS		EN	4/16/2022 3:39	16-04-22 03:39:30	51° 1.08 N	126° 31.355 W						Stephen Page				
123	KIN1	ROS		BE	4/16/2022 4:44	16-04-22 04:44:54	50° 53.592 N	126° 34.551 W	471					Cindy Wright	yes	no	yes	DP=-0.6 db
123	KIN1	ROS		BO	4/16/2022 4:54	16-04-22 04:54:05	50° 53.592 N	126° 34.554 W		469				Cindy Wright				
123	KIN1	ROS		EN	4/16/2022 5:02	16-04-22 05:02:53	50° 53.59 N	126° 34.558 W						Cindy Wright				
124	FIS0	ROS		BE	4/16/2022 14:05	16-04-22 14:05:26	50° 45.475 N	126° 44.14 W	315					Cindy Wright	yes	no	yes	
124	FIS0	ROS		BO	4/16/2022 14:11	16-04-22 14:11:46	50° 45.469 N	126° 44.192 W		309				Cindy Wright				
124	FIS0	ROS		EN	4/16/2022 14:17	16-04-22 14:17:51	50° 45.481 N	126° 44.173 W						Cindy Wright				
125	FIS1	ROS	US	BE	4/16/2022 15:00	16-04-22 15:00:27	50° 46.945 N	126° 36.731 W	310		405	414	10	Stephen Page	yes	no	yes	dall's porpoises a plenty!
125	FIS1	ROS		BO	4/16/2022 15:06	16-04-22 15:06:41	50° 46.921 N	126° 36.79 W		300				Stephen Page				strong current - limited or station
125	FIS1	ROS		EN	4/16/2022 15:18	16-04-22 15:18:35	50° 46.918 N	126° 36.838 W						Stephen Page				
126	RAP	ROS		BE	4/16/2022 15:47	16-04-22 15:48:06	50° 46.508 N	126° 30.488 W	230					David Spear	yes	no	yes	
126	RAP	ROS		BO	4/16/2022 15:52	16-04-22 15:52:20	50° 46.49 N	126° 30.458 W		226				David Spear				
126	RAP	ROS		EN	4/16/2022 15:56	16-04-22 15:56:48	50° 46.464 N	126° 30.428 W						David Spear				

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							Latitude	Longitude			Start	End						
127	PP1	ROS		BE	4/16/2022 16:18	16-04-22 16:18:33	50° 48.766 N	126° 31.463 W	146					Cindy Wright	yes	no	yes	DP=0.2db
127	PP1	ROS		BO	4/16/2022 16:21	16-04-22 16:21:41	50° 48.769 N	126° 31.421 W		139				Cindy Wright				
127	PP1	ROS		EN	4/16/2022 16:24	16-04-22 16:24:29	50° 48.778 N	126° 31.414 W						Cindy Wright				
128	TRC3	ROS	US	BE	4/16/2022 16:54	16-04-22 16:54:46	50° 48.951 N	126° 25.4 W	230		415	424	10	David Spear	yes	no	yes	
128	TRC3	ROS		BO	4/16/2022 16:59	16-04-22 16:59:16	50° 48.951 N	126° 25.355 W		225	415	424	10	David Spear				
128	TRC3	ROS		EN	4/16/2022 17:08	16-04-22 17:08:54	50° 48.957 N	126° 25.233 W			415	424	10	David Spear				
129	TRC3	HYPERSP		BE	4/16/2022 17:12	16-04-22 17:12:16	50° 49.002 N	126° 25.243 W	234					Sophia Johannessen				
129	TRC3	HYPERSP		EN	4/16/2022 17:14	16-04-22 17:14:54	50° 48.987 N	126° 25.292 W		19				Sophia Johannessen				
130	TRC2.5	ROS	US	BE	4/16/2022 17:46	16-04-22 17:46:53	50° 50.489 N	126° 19.756 W	237					David Spear	yes	no	yes	
130	TRC2.5	ROS	US	BO	4/16/2022 17:51	16-04-22 17:51:41	50° 50.495 N	126° 19.775 W	237	227				David Spear				
130	TRC2.5	ROS	US	EN	4/16/2022 17:56	16-04-22 17:56:05	50° 50.485 N	126° 19.798 W	242					David Spear				
131	TRC2.5	HYPERSP	US	BE	4/16/2022 17:57	16-04-22 17:57:40	50° 50.489 N	126° 19.804 W	237					Sophia Johannessen				
131	TRC2.5	HYPERSP	US	EN	4/16/2022 18:02	16-04-22 18:02:19	50° 50.464 N	126° 19.824 W	237	29				Sophia Johannessen				beautiful cast
132	TRC2	ROS	US	BE	4/16/2022 18:36	16-04-22 18:36:49	50° 49.201 N	126° 12.76 W	203		425	434	10	David Spear	yes	no	yes	
132	TRC2	ROS	US	EN	4/16/2022 18:50	16-04-22 18:50:07	50° 49.21 N	126° 12.791 W	203	192	425	434	10	David Spear				
133	BSLB	ROS		BE	4/16/2022 19:18	16-04-22 19:17:59	50° 51.604 N	126° 10.879 W	125					Stephen Page	yes	no	yes	
133	BSLB	ROS		BO	4/16/2022 19:20	16-04-22 19:20:13	50° 51.604 N	126° 10.879 W		119				Stephen Page				
133	BSLB	ROS		EN	4/16/2022 19:22	16-04-22 19:22:36	50° 51.6 N	126° 10.879 W						Stephen Page				
134	BSLE	ROS		BE	4/16/2022 19:39	16-04-22 19:39:33	50° 50.093 N	126° 11.384 W	130					David Spear	yes	no	yes	
134	BSLE	ROS		BO	4/16/2022 19:42	16-04-22 19:42:25	50° 50.088 N	126° 11.387 W		124				David Spear				
134	BSLE	ROS		EN	4/16/2022 19:44	16-04-22 19:44:58	50° 50.084 N	126° 11.391 W						David Spear				
135	BSLE	Hyper SP		BE	4/16/2022 19:47	16-04-22 19:47:07	50° 50.076 N	126° 11.395 W	129					Sophia Johannessen				

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							Latitude	Longitude			Start	End							
135	BSLE	Hyper SP		EN	4/16/2022 19:48	16-04-22 19:48:44	50° 50.062 N	126° 11.397 W		19				Sophia Johannessen					
136	TRC1.5	ROS		BE	4/16/2022 20:34	16-04-22 20:34:26	50° 45.588 N	126° 9.044 W	220					David Spear	yes	no	yes		
136	TRC1.5	ROS		BO	4/16/2022 20:38	16-04-22 20:38:49	50° 45.585 N	126° 9.033 W		215				David Spear					
136	TRC1.5	ROS		EN	4/16/2022 20:42	16-04-22 20:42:54	50° 45.576 N	126° 9.026 W											
137	TSLC	ROS		BE	4/16/2022 21:19	16-04-22 21:19:12	50° 47.144 N	126° 2.393 W	183					Cindy Wright	yes	no	yes		
137	TSLC	ROS		BO	4/16/2022 21:22	16-04-22 21:22:42	50° 47.153 N	126° 2.395 W		175				Cindy Wright					
137	TSLC	ROS		EN	4/16/2022 21:26	16-04-22 21:26:04	50° 47.164 N	126° 2.399 W						Cindy Wright					
138	TSLC	HYPERSP		BE	4/16/2022 21:27	16-04-22 21:27:55	50° 47.167 N	126° 2.396 W	182					Sophia Johannessen					
138	TSLC	HYPERSP		EN	4/16/2022 21:29	16-04-22 21:29:55	50° 47.16 N	126° 2.422 W		16				Sophia Johannessen					
139	TSLE	ROS		BE	4/16/2022 21:51	16-04-22 21:51:52	50° 46.26 N	126° 5.659 W	198					Stephen Page	yes	no	yes		
139	TSLE	ROS		BO	4/16/2022 21:55	16-04-22 21:55:01	50° 46.261 N	126° 5.657 W		196				Stephen Page					
139	TSLE	ROS		EN	4/16/2022 21:58	16-04-22 21:58:42	50° 46.265 N	126° 5.664 W						Stephen Page					
140	TRC1	ROS	US	BE	4/16/2022 22:34	16-04-22 22:34:10	50° 43.587 N	126° 10.841 W	284		435	444	10	David Spear	yes	no	yes		
140	TRC1	ROS		BE	4/16/2022 22:39	16-04-22 22:39:55	50° 43.576 N	126° 10.862 W		286	435	444	10	David Spear	no	no	no		
140	TRC1	ROS		EN	4/16/2022 22:51	16-04-22 22:51:32	50° 43.58 N	126° 10.893 W			435	444	10	David Spear					
141	TRC0.5	ROS		BE	4/16/2022 23:32	16-04-22 23:32:53	50° 40.84 N	126° 14.618 W	157					David Spear	yes	no	yes		
141	TRC0.5	ROS		BO	4/16/2022 23:36	16-04-22 23:36:04	50° 40.832 N	126° 14.621 W		151				David Spear					
141	TRC0.5	ROS		EN	4/16/2022 23:39	16-04-22 23:39:01	50° 40.84 N	126° 14.618 W						David Spear					
142	Kn0	ROS		BE	4/17/2022 1:30	17-04-22 01:30:36	50° 38.257 N	126° 35.036 W	61					Cindy Wright	yes	no	yes		
142	Kn0	ROS		BO	4/17/2022 1:31	17-04-22 01:31:14	50° 38.256 N	126° 35.042 W		55				Cindy Wright					
142	Kn0	ROS		EN	4/17/2022 1:33	17-04-22 01:33:14	50° 38.255 N	126° 35.057 W						Cindy Wright					
143	SWL	ROS		BE	4/17/2022 2:08	17-04-22 02:08:22	50° 38.069 N	126° 41.01 W	70					Cindy Wright	yes	no	yes	did not wait full 60 sec at start due to high winds and current:	

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							Latitude	Longitude			Start	End							
143	SWL	ROS		BO	4/17/2022 2:09	17-04-22 02:09:52	50° 38.079 N	126° 41.041 W		65				Cindy Wright				DP=-0.4db	
144	SWL	NET		BO	4/17/2022 2:23	17-04-22 02:23:46	50° 38.098 N	126° 41.19 W	71	60				Stephen Page				took phyto from bottle 9 of cast 144 due to the very dark brown	
144	SWL	NET		EN	4/17/2022 2:26	17-04-22 02:26:11	50° 38.105 N	126° 41.242 W						Stephen Page					
145	Kn1	ROS	US	BE	4/17/2022 3:43	17-04-22 03:42:58	50° 38.09 N	126° 25.321 W	253		454	463	10	Stephen Page	yes	no	yes		
145	Kn1	ROS		BO	4/17/2022 3:49	17-04-22 03:48:59	50° 38.084 N	126° 25.312 W		249.7				Stephen Page					
145	Kn1	ROS		EN	4/17/2022 3:57	17-04-22 03:57:32	50° 38.084 N	126° 25.348 W		249.7	454	463	10	Stephen Page				DP = -0.6db	
146	CC1	ROS		BE	4/17/2022 4:40	17-04-22 04:40:20	50° 36.292 N	126° 21.332 W	113					Stephen Page	yes	no	yes		
146	CC1	ROS		BO	4/17/2022 4:42	17-04-22 04:42:24	50° 36.29 N	126° 21.33 W		106.5				Stephen Page					
146	CC1	ROS		EN	4/17/2022 4:44	17-04-22 04:44:33	50° 36.291 N	126° 21.331 W						Stephen Page					
147	Kn11	ROS		BE	4/17/2022 14:05	17-04-22 14:05:56	51° 2.528 N	125° 34.035 W	208					Cindy Wright	yes	no	yes		
147	Kn11	ROS		BO	4/17/2022 14:09	17-04-22 14:09:52	51° 2.53 N	125° 34.032 W		201				Cindy Wright					
147	Kn11	ROS		EN	4/17/2022 14:13	17-04-22 14:13:53	51° 2.528 N	125° 34.052 W						Cindy Wright					
148	Kn10	ROS		BE	4/17/2022 14:45	17-04-22 14:45:22	50° 58.627 N	125° 33.529 W	330		464	473	10	Cindy Wright	yes	no	yes		
148	Kn10	ROS		BO	4/17/2022 14:52	17-04-22 14:51:59	50° 58.626 N	125° 33.531 W		326				Cindy Wright					
148	Kn10	ROS	US	EN	4/17/2022 15:04	17-04-22 15:04:41	50° 58.627 N	125° 33.535 W						Cindy Wright					
149	Kn9	ROS	US	BE	4/17/2022 15:38	17-04-22 15:38:19	50° 54.307 N	125° 32.759 W	411					Cindy Wright	yes	no	yes		
149	Kn9	ROS		BO	4/17/2022 15:46	17-04-22 15:46:12	50° 54.317 N	125° 32.766 W		408				Cindy Wright					
149	Kn9	ROS		EN	4/17/2022 15:54	17-04-22 15:54:02	50° 54.335 N	125° 32.754 W			464	473		Cindy Wright					
150	Kn8	NET		BO	4/17/2022 16:43	17-04-22 16:43:24	50° 52.347 N	125° 38.676 W	485	475				Cindy Wright					
150	Kn8	NET		EN	4/17/2022 16:52	17-04-22 16:52:17	50° 52.357 N	125° 38.686 W						Cindy Wright					
151	Kn8	ROS	US	BE	4/17/2022 17:02	17-04-22 17:02:54	50° 52.349 N	125° 38.731 W	485		474	495	22	David Spear	yes	no	yes		
151	Kn8	ROS		BO	4/17/2022 17:12	17-04-22 17:12:30	50° 52.373 N	125° 38.713 W		483.5				David Spear					

DAILY SCIENCE LOG						Ocean Sciences Division, Institute of Ocean Sciences													
Cruise Number:			2022-012																
Ship:			Vector																
Event Number	Station Name	Cast Type	Firing Method	Time Code	Date Time (UTC) Computer	Time (UTC) GPS	Positional Information		Sounder Depth	Max Sampling Pressure	Sample Number		# of Bottles	Watch Keepers	Trans. Cleaned	Fluorometer Cleaned	PAR Status (Rosette)	Comments	
							Latitude	Longitude			Start	End							
151	Kn8	ROS		EN	4/17/2022 17:29	17-04-22 17:29:28	50° 52.394 N	125° 38.699 W						David Spear					
152	Kn7	ROS		BE	4/17/2022 18:04	17-04-22 18:04:30	50° 48.105 N	125° 37.315 W	514					Stephen Page	yes	no	yes		
152	Kn7	ROS		BO	4/17/2022 18:14	17-04-22 18:14:14	50° 48.101 N	125° 37.358 W		512.3				Stephen Page					
152	Kn7	ROS		EN	4/17/2022 18:25	17-04-22 18:25:49	50° 48.118 N	125° 37.364 W						Stephen Page					
153	Kn6	ROS	US	BE	4/17/2022 19:02	17-04-22 19:02:30	50° 45.319 N	125° 41.025 W	519		496	505	10	Cindy Wright	yes	no	yes	DP=-0.4db	
153	Kn6	ROS		BO	4/17/2022 19:11	17-04-22 19:11:56	50° 45.363 N	125° 40.954 W		518				Cindy Wright					
153	Kn6	ROS		EN	4/17/2022 19:29	17-04-22 19:28:58	50° 45.353 N	125° 40.899 W						Cindy Wright					
154	Kn6	CORE		BO	4/17/2022 20:37	17-04-22 20:37:20	50° 46.169 N	125° 41.041 W	520	520				Sophia Johannessen				core hardness -12	
155	Kn5	ROS		BE	4/17/2022 22:12	17-04-22 22:12:55	50° 41.57 N	125° 46.991 W	400					Stephen Page	yes	no	yes		
155	Kn5	ROS		BO	4/17/2022 22:20	17-04-22 22:20:33	50° 41.543 N	125° 47.028 W		396.1				Stephen Page					
155	Kn5	ROS		EN	4/17/2022 22:28	17-04-22 22:28:50	50° 41.544 N	125° 47.028 W						Stephen Page					
156	Kn4	NET		BO	4/17/2022 23:26	17-04-22 23:26:47	50° 40.741 N	125° 55.951 W	450	440				Stephen Page				cod end latches failed	
156	Kn4	NET		EN	4/17/2022 23:33	17-04-22 23:33:02	50° 40.782 N	125° 56.056 W	450	440				Stephen Page				lost cod end, no sample	
157	Kn4	ROS	US	BE	4/17/2022 23:45	17-04-22 23:45:15	50° 40.761 N	125° 55.871 W	450					David Spear	yes	no	yes		
157	Kn4	ROS		BO	4/17/2022 23:54	17-04-22 23:54:45	50° 40.757 N	125° 55.839 W		447.9	506	515	10	David Spear					
157	Kn4	ROS		EN	4/18/2022 0:08	18-04-22 00:08:57	50° 40.772 N	125° 55.833 W					10	David Spear					
158	Kn3	ROS		BO	4/18/2022 0:50	18-04-22 00:50:37	50° 40.208 N	126° 4.008 W	190	186				Cindy Wright				BE missed. logging a bit buggy. See SBE data files	
158	Kn3	ROS		EN	4/18/2022 0:54	18-04-22 00:54:01	50° 40.209 N	126° 4.012 W						Cindy Wright					
159	Kn2	ROS	US	BE	4/18/2022 1:33	18-04-22 01:32:59	50° 39.312 N	126° 10.966 W	183		525	534	10	Stephen Page	yes	no	yes		
159	Kn2	ROS		BO	4/18/2022 1:36	18-04-22 01:36:25	50° 39.311 N	126° 10.967 W		175.9				Stephen Page					
159	Kn2	ROS	US	EN	4/18/2022 1:46	18-04-22 01:46:29	50° 39.326 N	126° 10.991 W			525	534	10	Stephen Page					
160	KN1.5	ROS		BE	4/18/2022 2:20	18-04-22 02:20:58	50° 38.329 N	126° 18.068 W	206					Stephen Page	yes	no	yes		

DAILY SCIENCE LOG							Ocean Sciences Division, Institute of Ocean Sciences												
Cruise Number:			2022-012																
Ship:			Vector																
Event Number	Station Name	Cast Type	Firing Method	Time Code	Date Time (UTC) Computer	Time (UTC) GPS	Positional Information		Sounder Depth	Max Sampling Pressure	Sample Number		# of Bottles	Watch Keepers	Trans. Cleaned	Fluorometer Cleaned	PAR Status (Rosette)	Comments	
							Latitute	Longitude			Start	End							
160	KN1.5	ROS		BO	4/18/2022 2:24	18-04-22 02:24:52	50° 38.331 N	126° 18.072 W		197.2				Stephen Page					
160	KN1.5	ROS		EN	4/18/2022 2:29	18-04-22 02:29:25	50° 38.327 N	126° 18.061 W						Stephen Page					
		END	OF	EVENTS!!!!															

DAILY SCIENCE LOG BOOK

Version 3FEB2022

Water Properties Group
Fisheries and Oceans Canada
Institutue of Ocean Sciences
Ocean Sciences Division
Norh Saanich, BC, Canada
www.waterproperties.ca

Mission Number:	2022-012
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Start Date: 6-Apr-22
End Date: 19-Apr-22

Vessel:	Vector
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Project(s):	Inlets
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Ship Personnel:

Captain:	Dale Unruh		
Second Officer:	Tom Banfai		
Bosun:	Conor Davis		
Other:			

Mission Participants (Department/Agencies):	
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Scientific Personnel:

Name	Role	Watch	Cabin
David Spear	CS		CS
Sophie Johannessen			StrB forward
Cindy Wright			StrB aft
Stephen Page			Port

Scientific Equipment

CTD

	Primary						Secondary					
Equipment	Make	Model	Serial Number	Pump (P, S or No)	Depth Rating (m)	Comment	Make	Model	Serial Number	Pump (P, S or No)	Depth Rating	Comment
Data Logging Computer	Lenovo	Ryden Pro 5										
Data Acquisition Program	Seasave											
CTD Deck Unit	SBE	11	0424									
CTD												
Temperature Sensor			2106			cal: 16-Aug/21			2663			cal: 16-Aug/21
Conductivity Sensor			2280			cal: 20-Aug/21			2754			cal: 03-Sep/21
Transmissometer 1			1185DR			cal: 28-Apr/21						
Transmissometer 2			1183DR			cal: 28-Apr/21						
Fluorometer			3949			cal: 28-Apr/21						
Fluorometer Gain Cable		10x (0-15ug/L)										
Oxygen Sensor			1119			cal: 05-Feb/21						
Altimeter			73171			cal: 20-Jan/21						
Par Sensor			4565			cal: 24-Feb/21						
Additional Sensors...		Pressure	550			cal: 11-Oct/21						

Rosette

Winches

	Make	Model	Serial Number	Comment (Describe Application)
Winch 1				
Winch 2				
Winch 3				

Salinometer

Make	Model	Serial Number	Comments on performance during cruise
N/A			

Oxygen kit

Make	Model	Serial/kit Number	Comments on performance during cruise
N/A			

Thermosalinograph System Instrument

Make	Model	Serial/kit Number	Program	Version						Comments on performance during cruise
Sea-Bird	SBE 21	3353								

ADCP Setup

N/A

Computer Time Zone:		User Exits:	Name:			Exit Points:	
Sampling Interval (sec):			Name:			Exit Points:	
Bin Length: (2^x):			Name:			Exit Points:	
Pulse Length:		Work File:					
Buffer (bytes):							
Gyro Offset:							

Comment on Performance During Cruise

CTD Test Cast Information

	CTD Pressure Reading on Deck		Pumps Working (Y = 0011/N = 0010)	2° Temp - 1° Temp (Avg. from mixed layer)		2° Sal - 1° Sal (Avg. from mixed layer)	Additional Comments
Cast Location	Before Cast	After Cast					
CPEI			Y				

Additional Cruise Comments

Pictures