

YR130612

6/12/13

~~Latent~~ York Area studies During Flood  
Longitudinal

ON BOARD R/V Elis Olsson. CAPTAIN Wayne  
Reisner, crew Grace Cartwright + Kelsey  
Fall.

Stations 5127 - 5138

Sample with problem of anchor +  
the east of + was Dave Bower's  
RADIONOTE. while drifting

Sampled ~ 20 km, ~ 25 km, ~ 35 km  
~ 45 km, ~ 56 km + ~ 62 km



( mbs = meter below surface )

Cruise YR130612

Date 6/12/13

20130613 PICS

Satex & Nortek

YR130612

Station	start time	latitude	longitude	total depth	ADCP filename	CTD	LISST	ADV	TSS sample	Sample Depth	sample time	End Time	Comment
5130	11:07:11	Down (~1 mbs)										11:08:10	radiometer
↓	11:08:47	Down (~2 mbs)										11:10:02	↑
↓	11:10:25	Down (~3 mbs)										11:11:40	
5131	11:42	24.613	40.817	10.30	005	✓	-	-	B5131	10.11	11:44:51	11:44:51	pressure sta YR4
↓	↓	↓	↓	↓	↓	↓	↓	↓	M5131	6.76	11:52:57	11:52:57	
↓	↓	↓	↓	↓	↓	↓	↓	↓	T5131	2.21	11:56:39	11:56:39	(ch16)
5132	12:05	24.484	40.877	6.97	006			Drifting across channel.				12:07:10	radiometer
	12:05:55	UP (~1 mbs)										12:08:50	* underneath
	12:07:35	UP (~2 mbs)										12:14:45	↑ ← could not find
	12:13:40	UP (~2 mbs)							redo not under boat			12:16:03	
	12:14:57	UP (~3 mbs)										12:18:08	
	12:16:46	Down (~1 mbs)										12:19:39	cut short
12:18:20		Down (~2 mbs)										12:20:10	too noisy
12:19:53		Down (~3 mbs)							B5133	8.18	12:56:33	12:54:13	Profile stop YR6
5133	12:52	29.327	45.577	8.32	008	-	↑	↑	M5133	4.67	13:01:31	12:54:50	clean & pics by Rock up town
↓	↓	↓	↓	↓	↓	↓	↓	↓	T5133	1.57	13:06:09	13:01:31	13:04:32
												13:05:08	13:04:32
												13:05:41	(ch1A)

repeat  
course of PICS  
130244  
130331  
measurements of PICS  
change course  
check PICS  
Sunspan: PICS  
Top.  
Neutral buoyant  
particles.

COMMENTS B5131 on bottom

Y130612

Date

Cruise

Station	start time	latitude	longitude	total depth	ADCP filename	CTD	LISST	ADV	TSS sample	Sample Depth	sample time	End Time	Comment
5134	13:13	29.214	45.558	6.65	009	Drift						13:15:35	
	13:14:00	UP (~2 mbs)				water one not turned on until 3 sec in							radiometer
	13:15:50	UP (~2 mbs)										13:17:07	
	13:17:23	UP (~3 mbs)										13:18:41	14006 noisy
	13:19:42	Down (~1 mbs)										13:21:00	
	13:21:12	Down (~2 mbs)										13:22:22	section to see noise
	13:22:59	Down (~3 mbs)										13:23:12	noisy
5135	13:59	32.573	49.736	8.91	010				B5135	drifted when while on both		14:00:52	noisy stopped early
									B5135	8.48	14044	14:01:25	noisy
									A5135	3.53	141051	14:05:22	noisy
									T5135	1.40	141308	14:06:17	bottom noise
												14:07:30	(ch1a)
5136	14:20	32.625	49.845	6.4	011	Drifting						14:21:00	radiometer
	14:20:37	UP (~1 mbs)									14:23:46		noisy
	14:22:24	UP (~2 mbs)										14:25:55	little noisy
	14:24:38	Down (~1 mbs)										14:26:30	noisy
	14:26:00	Down (~2 mbs)										14:50:04	Profile "429"
5137	14:48	32.136	52.576	6.49	012				B5137	6.11	145150	14:50:37	
									M5137	2.62	145755	14:52:33	
									T5137	1.48	150004	14:58:46	ch1a
												14:59:25	150001

COMMENTS



	Lat minute (37 deg N)	long minute (-76 deg W)	Max flood			Max Ebb		
			Tues 11-Jun	Weds 12-Jun	Thurs 13-Jun	Mon 17-Jun	Tues 18-Jun	Wed 19-Jun
Gloucester Point, 0.4 mile SW of 20 km (Station 1)	14.25 1 15.23 <i>gr01</i>	30.39 31.22	10:58 AM	11:42 AM	12:29 PM	8:48 AM	9:42 AM	10:37 AM
Pages Rock, 1 mile SSE of Blundering point, 0.9 SSW of 25 km* (2)	17.36 18.08 2 20.24 <i>gr02</i>	34.48 35.05 36.16	11:22 AM	12:06 PM	12:53 PM	9:10 AM	10:04 AM	10:59 AM
Clay Bank Pier, 100 yds, SW of 30 km (Station 2) 3	20.47 3 22.52 <i>gr03</i>	36.48 38.65	11:11 AM	11:55 AM	12:42 PM	9:16 AM	10:10 AM	11:05 AM
Allmondsville Purtan Island, 0.2 mile SW of 35km*	24 24.53 4 24.67 <i>gr04</i>	40 41.13 40.88	11:12 AM	11:56 AM	12:43 PM	9:27 AM	10:21 AM	11:16 AM
40 km (Station 3) 45 km*	5 26.86 <i>gr05</i> 6 29.36 <i>gr06</i>	43.55 45.64	11:42 AM	12:26 PM	1:13 PM	9:52 AM	10:46 AM	11:41 AM
Golf Point, 0.8 mile SSW of West Point, 0.8 mile below 50 km (Station 4)	29.58 30.54 7 31.67 <i>gr07</i>	47.02 47.3 48.11	12:03 PM	12:47 PM	1:34 PM	10:25 AM	11:19 AM	12:14 PM
56 km* 62 km (station 5)	8 32.6 <i>gr08</i> 9 32.17 <i>gr09</i>	49.85 52.63	12:34 PM	1:18 PM	2:05 PM	11:26 AM	12:20 PM	1:15 PM
			12:18 PM	1:02 PM	1:49 PM	10:38 AM	11:38 AM	12:27 PM

20' 30.9" 37' 28.6"

Tower