

Date: 10/4/11

Operator: NKG

Location: BW Bridge  
Steward side

Instrument: 6600 S-#G25

Time	Station	Filename
110000-110800	1-5	BWR 4th
113000	1-5	BW 1130
120000	1-5	BW 1200
123000		
130000	1-5	BW 1300
133000	1-5	BW 1330
140000	1-5	BW 1400
143000	1-5	BW 1430
150000	1-5	BW 1500
153000	1-5	BW 1530
160000	1-5	BW 1600
163000	1-5	BW 1630
170000	1-5	BW 1700
173000	1-5	BW 1730
180000	1-5	BW 1800
183000	1-5	BW 1830
190000	1-5	BW 1900
193000	1-5	BW 1930
200000	1-5	BW 2000
203000	1-5	BW 2030
210000	1-5	BW 2100

ebb  
slack  
n sample @ sta. 3  
120830

WS  
mid-depth @ sta 3  
133513

WS  
150545 near bed

WS near surf 170407

WS sta 5 n-s  
190820

17'04:07  
WS 210700 n-s  
dts

Comments:

calibrated gauge @ 105137

set time @ 105225

5 hrs of memory

153000 S

slack around 1547

11:47

6:

12:00

6 pm

Date: 10/4/2011

Location: BWR

Operator: NKG

Instrument: 6000 SN 625

Time	Station	Filename
2130	1-5	BW 2130
2200	1-5	BW 2200
2230	1-5	BW 2230
12:00:04	1	FB 1200
12:01:17	2	FB 1200
12:02:20	3	FB 1200
12:03:01	4	FB 1200
12:03:44	5	FB 1200
12:31:30	1	FB 1230
12:32:39	2	FB 1230
12:33:50	3	FB 1230
12:36:35	4	FB 1230
12:37:40	5	FB 1230
13:01:39	1	FB 1300
13:02:41	2	FB 1300
13:03:57	3	FB 1300
13:04:57	4	FB 1300
13:05:51	5	FB 1300
13:31:18	1	FB 1330
13:32:30	2	FB 1330
13:33:35	3	FB 1330

↓ DATE  
10/5/11  
LOC:  
FISHING  
BAY

↓ OP: NEIL GANDU  
INST: YSI  
600 XLV.2

Comments:

Date: 10/5/11  
Location: Fishing Bay

Operator: NEIL GANDU  
Instrument: 600 XL V.2

Time	Station	Filename
13:34:40	4	FB 1330
13:35:30	5	FB 1330
14:01:00	1	FB 1400
14:02:20	2	FB 1400
14:03:20	3	FB 1400
14:04:19	4	FB 1400
14:05:00	5	FB 1400
14:31:30	1	FB 1430
14:32:45	2	FB 1430
14:33:50	3	FB 1430
14:34:32	4	FB 1430
14:35:10	5	FB 1430
15:01:30	1	FB 1500
15:02:48	2	FB 1500
15:03:53	3	FB 1500
15:05:05	4	FB 1500
15:05:47	5	FB 1500
15:31:06	1	FB 1550
15:32:12	2	FB 1550
15:33:00	3	FB 1550
15:33:48	4	FB 1550
15:34:36	5	FB 1550

Comments:

Date: 10/5/11  
Location: FISHING BAY

Operator: NEIL GANON  
Instrument: YSI 600 XL v.2

Time	Station	Filename
16:01:06	1	FB 1600
16:02:00	2	FB 1600
16:02:50	3	FB 1600
16:03:36	4	FB 1600
16:04:14	5	FB 1600
16:31:09	1	FB 1630
16:31:58	2	FB 1630
* 3 16:32:50	3	FB 1630
16:36:04	4	FB 1630
16:36:48	5	FB 1630
17:01:02	1	FB 1700
17:01:53	2	FB 1700
17:02:43	3	FB 1700
17:03:28	4	FB 1700
17:04:21	5	FB 1700
17:31:09	1	FB 1730
17:32:01	2	FB 1730
17:32:51	3	FB 1730
17:33:35	4	FB 1730
17:34:21	5	FB 1730

Comments:

Date: 10/5/11

Location: FISHING BAY

Operator: NEIL GANDU

Instrument: YSI  
600 XL V.2

Time	Station	Filename
18:01:38	1	FB 1800
18:02:50	2	FB 1800
18:03:40	3	FB 1800
18:04:30	4	FB 1800
18:05:03	5	FB 1800
18:32:10	1	FB 1830
18:33:02	2	FB 1830
18:33:54	3	FB 1830
18:34:31	4	FB 1830
18:35:00	5	FB 1830
19:08:52	1	FB 1900
19:09:51	2	FB 1900
19:10:30	3	FB 1900
19:11:09	4	FB 1900
19:11:45	5	FB 1900
19:33:12	1	FB 1930
19:34:01	2	FB 1930
19:34:47	3	FB 1930
19:35:24	4	FB 1930
19:36:15	5	FB 1930

Comments:

Date: 10/5/11  
Location: FISHING BAY

Operator: NEIL GAUSO  
Instrument: YSI  
600XL V.2

Time	Station	Filename
20:01:16	1	FB2000
20:02:13	2	FB2000
20:03:19	3	FB2000
20:04:02	4	FB2000
20:04:45	5	FB2000
20:31:05	1	FB2030
20:32:08	2	FB2030
20:32:52	3	FB2030
20:33:31	4	FB2030
20:34:09	5	FB2030
21:01:35	1	FB2100
21:02:29	2	FB2100
21:03:15	3	FB2100
21:04:08	4	FB2100
21:04:54	5	FB2100
21:33:20	1	FB2130
21:34:19	2	FB2130
21:35:18	3	FB2130
21:36:07	4	FB2130
21:36:59	5	FB2130

Comments:

Date: 10/5/1

Location: FISHING BAY

Operator: NEIL GANDU

Instrument: YSI 600 XL V.2

Time	Station	Filename
22:01:40	1	FB2200
22:02:34	2	FB2200
22:03:31	3	FB2200
22:04:32	4	FB2200
22:05:24	5	FB2200
22:17:00	1	<del>FB</del> E TO F FRONT
LX CONTINUOUS PROBING		22:25:00 - HIT LINE
<del>22:22:34</del>		22:26:58 - NEIL PASSING SENSOR BACK + BAPI OVER LINE
22:28:24	1	" "
22:29:36	2	
22:30:29	3	
22:32:19	4	
22:33:18	5	

Comments:

Date: 10/6/11

Operator: KYLE DERBY

Location: FISHING BAY

Instrument: YSI 600 V.2

Time	Station	Filename
11:25:20	CONTINUOUS LOGGING - <del>LINE GOING THROUGH</del>	FB1130
11:26:00	1	FB1130
11:28:07	2	FB1130
11:34:35	3	FB1130
11:35:51	4	FB1130
11:37:04	5	FB1130
12:01:30	1	FBA 1200
* 12:02:43	2	FBA 1200
12:03:40	3	FBA 1200
12:06:40	4	FBA 1200
12:07:35	5	FBA 1200
12:31:10	1	FBA 1230
12:32:25	2	FBA 1230
12:33:42	3	FBA 1230
12:34:55	4	FBA 1230
12:35:55	5	FBA 1230
13:01:10	1	FBA 1300
13:02:07	2	FBA 1300
13:03:25	3	FBA 1300
13:04:45	4	FBA 1300
13:05:35	5	FBA 1300

Comments:



Date: 10/6/11

Operator: KYE DERRY

Location: FISHING BAY

Instrument: YSI 600 V2

Time	Station	Filename
13:30:35	1	FBA 1330
13:32:25	2	FBA 1330
13:33:30	3	FBA 1330
13:34:25	4	FBA 1330
13:35:10	5	FBA 1330
14:01:20	1	FBA 1400
14:02:20	2	FBA 1400
*2 14:03:10	3	FBA 1400
14:07:42	4	FBA 1400
14:08:43	5	FBA 1400
14:30:10	1	FBA 1430
14:31:50	2	FBA 1430
14:32:52	3	FB 1430
14:33:47	4	FB 1430
14:34:32	5	FB 1430
15:01:10	1	FB 1500
15:02:20	2	FB 1500
15:03:40	3	FB 1500
15:04:30	4	FB 1500
15:05:25	5	FB 1500

Comments:

Date: 10/6/11  
Location: FISHING BAY

Operator: KYLE DERBY  
Instrument: YSI 600 V.2

Time	Station	Filename
15:31:45	1	FBA 1530
15:32:50	0	FBA 1530
15:34:00	3	FBA 1530
15:35:00	4	FBA 1530
15:35:45	5	FBA 1530
16:01:40	1	FBA 1600
16:02:52	2	FBA 1600
16:04:00	3	FBA 1600
16:05:15	4	FBA 1600
* 16:06:10	5	FBA 1600
16:31:48	1	FBA 1630
16:33:05	2	FBA 1630
16:34:05	3	FBA 1630
16:35:10	4	FBA 1630
16:36:00	5	FBA 1630
17:01:05	1	FBA 1700
17:02:20	2	FBA 1700
17:03:50	3	FBA 1700
17:04:50	4	FBA 1700
17:05:20	5	FBA 1700

Comments:

\*ONLY ABOUT 5 FT DIFF IN

Channel width between slack high  
+ low \*

\* STATION 2  
SEEMS DEEPER  
THAN 3

\* SLACK ~~HIGH~~ AROUND  
13:00 \*

\* SLACK LOW AROUND  
~~13:00~~ 21:30 \*

Date: 10/4/11

Operator: Kyle Derby

Location: Fishing Bay  
FBI

Instrument: VSI 600XLM V2

Time (UTC)	Station	Filename
12:23	1	100411.1
12:24	2	100411.1
12:25	3	100411.1
12:26	4	100411.1
12:27	5	100411-1
12:54:30	1	10411-2
12:55:35	2	10411-2
* 12:56:30	3	10411-2
12:59:20	4	10411-2
13:00:15	5	10411-2
13:25:10	1	100411-3
13:26:20	2	100411-3
13:27:40	3	100411-3
13:28:50	4	100411-3
13:29:40	5	100411-3
13:56:40	1	100411-4
13:58:00	2	100411-4
13:59:15	3	100411-4
14:00:10	4	100411.4
14:01:10	5	100411-4

### Comments:

All files on 10/4/11 → Naming Convention

Site: FISHING BAY

File: 100411.1

↑ ↑  
Date Transact#

First pass

Tide is coming in strong

Channel Width 70 ft @ 12:00 (UTC)

#1 - 7 ft

#2 - 21 ft

#3 - 35 → Center Channel

#4 - 49 ft

... 75 ft

Date:

10/4/11

Operator:

KYLE DERBY

Location:

FISHING BAR

Instrument:

YSI 600 XLM .V2

Time	Station	Filename
14:24:55	1	100411-5
14:26:00	2	100411-5
14:27:10	3	100411-5
14:28:30	4	100411-5
14:29:15	5	100411-5
14:54:10	1	100411-6
14:55:20	2	100411-6
14:56:30	3	100411-6
14:57:30	4	100411-6
15:00:00	5	100411-6
15:25:10	1	100411-7
15:26:15	2	100411-7
15:27:25	3	100411-7
15:28:30	4	100411-7
15:29:30	5	100411-7
15:54:50	1	100411-8
15:55:40	2	100411-8
15:56:40	3	100411-8
15:57:40	4	100411-8
15:58:40	5	100411-8

Comments:

Date:

10/4/11

Operator:

KYLE DERBY

Location: FISHING BAY

Instrument:

YSI 600 XLM V.2

Time	Station	Filename
16:24:45	1	100411-9
16:25:35	2	100411-9
16:26:35	3	100411-9
16:27:45	4	100411-9
16:28:40	5	100411-9
16:54:35	1	10411-10
16:55:45	2	10411-10
16:58:50	3	10411-10
16:59:50	4	10411-10
17:00:55	5	10411-10
17:24:55	1	10411-11
17:25:55	2	10411-11
17:27:05	3	10411-11
17:28:10	4	10411-11
17:29:10	5	10411-11
17:54:55	1	10411-12
17:55:50	2	10411-12
17:56:50	3	10411-12
17:57:50	4	10411-12
17:58:40	5	10411-12

Comments:

Date:

10/4/11

Operator:

KYLE DEARBY

Location:

FISHING BAY

Instrument:

YSE 600 XLM V.2

Time	Station	Filename
18:25:30	1	10411-13
18:26:55	2	10411-13
18:27:55	3	10411-13
18:28:50	4	10411-13
18:29:45	5	10411-13
18:54:50	1	10411-14
18:57:45	2	10411-14
18:58:45	3	10411-14
18:59:40	4	10411-14
19:00:30	5	10411-14
19:24:25	1	10411-15
19:25:15	2	10411-15
19:26:10	3	10411-15
19:27:05	4	10411-15
19:27:55	5	10411-15
19:56:10	1	10411-16
19:56:55	2	10411-16
19:57:50	3	10411-16
19:58:50	4	10411-16
19:59:35	5	10411-16

Comments:

Date: 10/4/11

Location: FISHING BAY

Operator:

KYLE DEASY

Instrument:

YSI 600 XLM V.2

Time	Station	Filename
20:25:50	1	10411-17
20:26:30	2	10411-17
20:27:30	3	10411-17
20:28:20	4	10411-17
20:29:05	5	10411-17
20:55:35	1	10411-18
20:56:20	2	10411-18
20:57:10	3	10411-18
20:58:10	4	10411-18
* 20:59:10	5	10411-18
21:25:10	1	10411-19
21:26:10	2	10411-19
21:27:40	3	10411-19
21:28:55	4	10411-19
21:30:05	5	10411-19
21:55:35	1	10411-20
21:56:40	2	10411-20
21:57:35	3	10411-20
21:58:30	4	10411-20
21:59:10	5	10411-20

Comments:

**Date:** 10/4/11

**Location:** FISHING BAY

**Operator:** TURD FERGUSON

Instrument: YSI 600 XCM V.2

[illegible]**Comments:**



Date: 10/5/11

Operator: Kyle Derby

Location: Blackwater  
Shoals - 12th St Bldg (BLB)

Instrument: YSI 6600 V2 (4) 625

Time	Station	Filename
<del>11:00:00</del> 11:03:00	1	BLB-1100
11:05:00	2	BLB-1100
11:07:00	3	BLB-1100
11:08:30	4	BLB-1100
11:11:00	5	BLB-1100
11:35:00	1	BLB-1130
11:37:00	2	BLB-1130
11:39:00 30	3	BLB-1130
11:41:30	4	BLB-1130
11:43:00	5	BLB-1130
12:01:30	1	BLB-1200
12:03:00	2	BLB-1200
12:05:00	3	BLB-1200
12:06:30	4	BLB-1200
12:08:00	5	BLB-1200
12:30:00	1	BLB-1230
12:34:30	2	BLB-1230
12:35:30	3	BLB-1230
12:37:30	4	BLB-1230
12:38:30	5	BLB-1230

Tide going out Fast  
start @ 7 AM local  
filling sensors w/  
all weight

→ use 11:40:00

Ebb slowing

Ebb slowing

Comments:

Date: 10/5/11

Operator: Captain Anderson (Kyle Derby)

Location: Blackwater

Instrument:

YSI 6600 VZ (24) #625

Shutters: 1/250 F 1/250 (B08)

Time	Station	Filename
<del>13:03:30</del> 13:03:30	1	BWB-1300
13:04:00	2	
13:05:30	3	
13:07:30	4	
13:08:30	5	
13:30:30	1	BWB-1330
13:31:30	2	
13:32:30	3	
13:34:30	4	
13:38:30	5	
14:03:00	1	BWB-1400
14:04:30	2	
14:05:30	3	
14:07:10	4	
14:08:30	5	
14:31:00	1	BWB-1430
14:32:30	2	
14:33:30	3	
14:35:00	4	
14:36:00	5	

Slack  
Tide

Tide flooding  
in slowly  
→ WSE 13:37:30

Comments:

Date: 10/5/11

Operator: Kyle Derby

Location: Blackwater

Instrument:

Slorters Wharf B. Jc (BWB)

YSI 6600 v2 (4) #625

Time	Station	Filename
15:01:00	1	BWB-1500
15:02:00	2	
15:03:30	3	
15:04:30	4	
15:05:30	5	
15:31:00	1	BWB-1530
15:32:00	2	
15:36:30	3	
15:37:30	4	
15:38:30	5	
16:01:00	1	BWB-1600
16:02:00	2	
16:03:00	3	
16:04:00	4	
16:05:00	5	
16:31:00	1	BWB-1630
16:32:05	2	
16:33:00	3	
16:34:00	4	
16:35:00	5	

Flood tide,  
wind out of  
NW surface flow  
flowing NIS (away from AB)

→ use 15:32:30

Incoming tide  
has slowed  
dramatically in last  
1/2 hr, little pull on  
sensors.

Slack Tide

Comments:

Date: 10/5/11

Operator: Kyle Derby

Location: Blackwater

Instrument:

Shortsight bridge (BWB)

YSI 6600Z (4) #625

Time UTC	Station	Filename
17:00:30	1	BWB-1700
17:01:30	2	
17:02:30	3	
17:03:30	4	
17:04:30	5	
17:31:00	1	BWB-1730
17:35:30	2	
17:36:30	3	
17:37:30	4	
17:38:30	5	
18:01:00	1	BWB-1800
18:02:00	2	
18:03:00	3	
18:04:00	4	
18:05:00	5	
18:30:00	1	BWB-1830
18:31:00	2	
18:32:00	3	
18:33:00	4	
18:34:00	5	

Tide slowly  
beginning to  
flow out

→ use 17:33:30

Tide ebb  
stronger than  
1700

Very strong  
outgoing  
tide w/  
NW wind  
behind it

Comments:

NW wind really picked up 12pm local time

Date: 10/5/11

Operator: Kyle Dwy

Location: Blackwater

Instrument:

YSI 6600 V2 (4) 625

Shortest water bridge (BWB)

Time	Station	Filename
19:07:00	1	BWB-1900
19:08:00	2	
19:09:00	3	
19:10:00	4	
19:11:00	5	
19:31:00	1	BWB-1930
19:32:00	2	
19:33:00	3	
19:34:00	4	
19:35:30	5	
20:00:30	1	BWB 2000
20:01:30	2	
20:02:30	3	
<del>20:03:30</del> 20:03:30	4	
20:04:30	5	
20:36:00	1	BWB 2030
20:37:00	2	
20:38:00	3	
20:39:00	4	
20:40:00	5	

Fastest outgoing  
all day

wc 19:39:00

Still  
Outgoing  
Fast

Comments:

BWB-1930 → I don't think I did, but I may have  
missed a station..... I don't think so, but it is possible

Date: 10/5/11

Operator: The Lonely Scientist Kyle Derby

Location: Blackwater

Instrument:

YSI 6600 V2(4) #625

Shorts Wharf Bridge

Time	Station	Filename
21:00:00	1	BWB 2100
21:01:00	2	I
21:02:00	3	
21:03:00	4	
21:04:00	5	
21:33:30	1	BWB 2130
21:34:30	2	I
21:35:30	3	
<del>21:36:30</del> 21:40:30	4	
21:41:30	5	
22:02:30	1	BWB 2200
22:03:00	2	I
22:03:30	3	
22:04:30	4	
22:05:30	5	

\* DWS @ 21:36:30

Last sample  
sonde  
memory full  
tides still going  
out fast

Comments:

Finish Sampling @ 6110 local  
10/5/11

22:10:00 UTC

[illegible]

SAMPLES ARE TAKEN APPROX. 2m FROM STATION (L to R Facing Seaward)

STATION ID	DATE	TIME (UTC)	TOTAL DEPTH	SAMPLE DEPTH	COMMENTS: Appearance, conditions, tide, etc.
FB 1 SETLINE	10/4/11	12:57:00	270 cm	190 cm	Light Turbidity - STATION 3 + 2m
FB 1 SETLINE	10/4/11	14:56:30	165 cm	110 cm	L.T. - STATION 4 + 2m
FB 1 SETLINE	10/4/11	16:57:10	278 cm	223 cm	L.T. - STATION 2 + 2m 2 - CURRENT PULLING SAMPLER
FB 1 SETLINE	10/4/11	18:56:30	242 cm	187 cm	L.T. STATION 1 + 2m CURRENT PULLING SAMPLER
FB 1 SETLINE	10/4/11	21:00:00	59 cm	20 cm	L.T. - STATION 5 + 2m
FB 1 SETLINE	10/4/11	22:55:50	260 cm	205 cm	L.T. - STATION 3 + 2m
BUB Stat 3	10/5/11	11:40:00	Mid Column		L.T. Station #3 Heavy Current (Tide flowing out)
BUB Stat 4	10/5/11	13:37:30	Mid Column		LT Station #4 Light incoming tide
BUB Stat 2	10/5/11	15:32:30	Lower column approx 5m from bottom		LT Station #2 Incoming tide
BUB Stat 1	10/5/11	17:33:30	Lower column approx 5m from bottom		LT Station #1 outgoing tide
BUB Stat 5	10/5/11	19:39:00	Top of column < 5m from surface		LT Station #5 outgoing tide (Fast)
BUB Stat 3	10/5/11	21:36:30	Mid Column		LT Station #3 outgoing tide (Fast)
FB 1 SETLINE	10/6/11	11:04:40	?	N.S.	STATION 3 - FILE FBA 1200
FB 1 SETLINE	10/6/11	<del>16:06:50</del> 14:04:30	?	3 FT OFF BOTTOM	STATION 3 - FILE FBA 1400
FB 1 SETLINE	10/6/11	16:06:50	?	N.S.	STATIONS - FILE FBA 1600

LOOK ON BACK!!



# Water sampling for turbidity calibration

- 1) arrive onsite, wait for any stirred up sediment to settle or move out
- 2) record station ID, date, total depth, sample depth on log sheet and bottle
- 3) wait for a 10 min sample (i.e. 10:40, 10:50, etc)
- 4) lower van Dorn sampler to sensor level/sample depth
- 5) on 10 min mark trigger sampler with brass disc
- 6) retrieve sample, note appearance, empty as much as possible into bottle by removing end cap
- 7) dry bottle, mark time on bottle and log sheet

General considerations: we need about 15 samples over varying conditions (high tide, low tide, etc) at each site over the 4-6 week period. You can send us samples bi-weekly or more frequently as necessary. Samples should be kept in a cooler in the field, and a fridge until shipment from the office.

## Ship to:

Neil Ganju  
USGS  
384 Woods Hole Road  
Woods Hole, MA 02543

★ FB 1 (PERM)

10/6/11 - 12:41:50

TD = 193 cm      SD = 148