DEPLOYMENT

STORM SURGE SENSOR INSPECTION FORM

(one form per housing)

Quick Lookup #

DATE: 9/9/13 STORM: post-Sandy INSPECTORS: RRB RAC

SITE INFORMATION

SITE NAME: _____ LATITUDE (DD to 6 places): 40.7323
(Site Name Format: SSS-SS-COU-###, where SS = state, COU = county, ### = site number)

SITE DESCRIPTION: Fl Breach Baro LONGITUDE (DD to 6 places): -72.8668

STATE: NY COUNTY: Suffolk Landowner notified (circle one): (Yes) No

SENSOR INFORMATION

Sensor Type (circle one): (HOBO) TROLL Sensor Serial Number: 9800741

Deployed As (circle one): water level (barometric pressure) wave height

Deployment Time (GMT): 15:47 EST | Tapedown or Tapeup from Housing Nut: _____ feet

Sensor Data Interval (circle one): 30 sec 2 sec 60 min | Housing Correction Factor: _____ feet (nut to orifice

Sensor Logging Start Time (GMT) _____ | Sensor in Water (circle one): YES (NO)

REFERENCE POINT INFORMATION

RP # ____ Assumed RP elev. = n/a feet
TD from RP = _____ feet
Weight length= _____ feet
  Subtract total tapedown _____ feet
  Assumed WS elevation = _____ feet
  Add/Subtract Housing TD/TU = _____ feet
  Housing Correction Factor = _____ feet
  Sensor Orifice Elevation = _____ feet
  TD to channel bottom/beach = _____ feet
RP description: _____
_____
_____

Other notes: _____
_____
_____ VI label on housing? _____

SITE SKETCH

Pictures Taken (circle all that apply): Sensor Upstream Downstream Other **Camera Owner:** _____

Barometric Pressure (BP) at same Site?(circle one): Yes No | **Reference BP Site Name:** _____

Departure Time: _____ Called In at Time: _____ Call-in Contact Initials: _____

Please ensure original inspection sheet is given to SSC team member upon return from field.

STORM SURGE SENSOR
INSPECTION FORM

DEPLOYMENT

(one form per housing)

Quick Lookup #

DATE: 9/9/13 **STORM:** post-Sandy **INSPECTORS:** RRB, RAC

SITE INFORMATION

SITE NAME: _____ **LATITUDE** (DD to 6 places): 40.7259

(Site Name Format: SSS-SS-COU-###, where SS = state, COU = county, ### = site number)

SITE DESCRIPTION: Fl Breach West **LONGITUDE** (DD to 6 places): -72.8968

STATE: NY **COUNTY:** Suffolk **Landowner notified** (circle one): (Yes) No

SENSOR INFORMATION

Sensor Type (circle one): HOBO (TROLL) **Sensor Serial Number:** 199189

Deployed As (circle one): (water level) barometric pressure wave height

Deployment Time (GMT): 14:03 EST

Tapedown or Tapeup from Housing Nut:	feet

Sensor Data Interval (circle one): ~~30 sec~~ ~~2 sec~~ 6 min

Housing Correction Factor:	feet (nut to orifice)

Sensor Logging Start Time (GMT) _____ **Sensor in Water** (circle one): (YES) NO

REFERENCE POINT INFORMATION

RP # 2 Assumed RP elev. = 2.85 feet

TD from RP = _____ feet

Weight length= _____ feet

Subtract total tapedown	_____	feet
Assumed WS elevation =	_____	feet
Add/Subtract Housing TD/TU =		feet
Housing Correction Factor =	_____	feet
Sensor Orifice Elevation =	_____	feet
TD to channel bottom/beach =		feet

RP description: _____

top of lag bolt

Other notes: _____

SITE SKETCH

RP2 to WS : 2.66 ft

RP2 to nut : 2.85 ft

nut to orifice: 1.47 ft s.c. chamber
→ 1.62 ft upper p.s. orifice
1.66 ft lower p.s. orifice

_____ VI label on housing? _____

Pictures Taken (circle all that apply): *Sensor Upstream Downstream Other* **Camera Owner:** _____

Barometric Pressure (BP) at same Site?(circle one): Yes No | **Reference BP Site Name:** _____

Departure Time: _____ **Called In at Time:** _____ **Call-in Contact Initials:** _____

Please ensure original inspection sheet is given to SSC team member upon return from field.

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U.S. GEOLOGICAL SURVEY
CONTINUOUS WATER-QUALITY MONITOR FIELD FORM

Station No. _____ Station Name F.I. Wilderness Breach

Monitor Inspected By T. Tagliaferri　　　Date 9/4/13　　Watch Time _____　Time Datum _____

Gage Ht _____ (Rising, Falling, Steady, Peak) Channel Conditions _____

Monitor Make/Model AquaTroll 200 _____ Monitor Serial No. 199189

Field Meter Make/Model _____ Field Meter Serial No. _____

Weather Cold Cool Warm Hot Rain Mist Sleet Snow Humid Dry Cloudy Pt Cloudy Overcast Clear Windy Gusty Breeze Calm

Comments: Used Memory @ deployment 0%
Used battery = 10%

MONITOR FOULING CHECKS

Parameter	Before Cleaning Time _____		After Cleaning Time _____	
	Recorded/ Live Value	Field Meter	Recorded/ Live Value	Field Meter
Temp (°C)				
pH (units)				
DO (mg/L)				
SC (µS/cm)				
Turbidity (FNU FNMU FBU) Method code _____				
Other _____				

CALIBRATION DRIFT CHECKS

TEMPERATURE Calibration Criteria: ± 1 percent or ± 0.5 °C for liquid-filled thermometers; ± 0.2 °C for thermisters	Calibration Check Time _____	Recalibration Time _____

Comments:

SPECIFIC CONDUCTANCE
Calibration Criteria: the greater of 5 µS/cm or 3% of measured value

STD VALUE	STD LOT NO.	STD TYPE KCl; NaCl	EXP. DATE	STD TEMP	SC READING	Error %	STD TEMP	SC READING	Error %
10,000	1206321	KCl	6/14	22.9	10000				
25,000	1206453	KCl	6/14	22.6	24400				
50,000	1303076	KCl	3/15	22.5	49800				
Cell range =	Reading in air = (should be zero)	0.00							

Comments: Depth in air = 0.03　　　Rezeroed = 0.00

　　　　　　　　　　　　　　　　　　　　　Monitor form ver. 3.0

Station No. _____

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┌─────────────────────────────────────────────────────────────────────────────┐
│              MAINTENANCE RECORD FOR CONTINUOUS MONITOR                       │
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MAINTENANCE RECORD FOR CONTINUOUS MONITOR

Correction factors applied to field meter readings?   YES   NO

Battery changed?   YES   NO   Voltage _____volts

Sensors cleaned?   YES   NO   Type of fouling _____

Calibration check: WT SC pH DO TURB   Recalibrated: WT SC pH DO TURB

Sensor changed?   SC   YES   NO   Sensor ID _____

                 pH   YES   NO   Sensor ID _____

                 DO   YES   NO   Sensor ID _____

                 Turbidity   YES   NO   Sensor ID _____

                 Sonde Changed? YES NO   New Sonde No. _____   Old Sonde No. _____

DO Membrane changed?   YES   NO   Date Changed: _____   Membrane allowed to relax _____ hrs

Comments _____

Reference (Field) Meter(s)	Make/Model	Serial No.	Corr. Factor Applied?		
Multi-Meter			None	Yes	No
Temperature			None	Yes	No
Conductivity			None	Yes	No
pH			None	Yes	No
Dissolved Oxygen			None	Yes	No
Turbidity (1)			None	Yes	No
Turbidity (2)			None	Yes	No
Other			None	Yes	No

COMMENTS/OBSERVATIONS: Wilderness Breach 130904

Test Started 9/4/13 @ 1100 EST

Turbidity method codes are available at: http://water.usgs.gov/owq/FieldManual/Chapter6/6.7_contents.html

DEPLOYMENT

(one form per housing)

STORM SURGE SENSOR
INSPECTION FORM

Quick Lookup #

DATE: 9/9/13 STORM: post-Sandy INSPECTORS: RRB RAC

SITE INFORMATION

SITE NAME: _____ LATITUDE (DD to 6 places): 40.7257
(Site Name Format: SSS-SS-COU-###, where SS = state, COU = county, ### = site number)

SITE DESCRIPTION: Fl Breach East LONGITUDE (DD to 6 places): -72.8964

STATE: _____ COUNTY: _____ Landowner notified (circle one): (Yes) No

SENSOR INFORMATION

Sensor Type (circle one): (HOBO) TROLL Sensor Serial Number: 9800739

Deployed As (circle one): (water level) barometric pressure wave height

Deployment Time (GMT): EST 13'28

Sensor Data Interval (circle one): 30-sec 2-sec 6 min

Tapedown or Tapeup from Housing Nut: _____ feet

Housing Correction Factor: _____ feet (nut to orifice

Sensor Logging Start Time (GMT) _____

Sensor in Water (circle one): YES NO

REFERENCE POINT INFORMATION

RP # 1 Assumed RP elev. = 2.84 feet
TD from RP = _____ feet
Weight length= _____ feet
  Subtract total tapedown _____ feet
  Assumed WS elevation = _____ feet
  Add/Subtract Housing TD/TU = _____ feet
  Housing Correction Factor = _____ feet
  Sensor Orifice Elevation = _____ feet
  TD to channel bottom/beach = _____ feet
RP description: _____
top of nut on pier _____

Other notes: _____
_____

SITE SKETCH

RP1 to WS: 2.56 ft

RP1 to nut: 2.76 ft.

nut to orifice: 0.62 ft

_____ VI label on housing? _____

Pictures Taken (circle all that apply): *Sensor Upstream Downstream Other* **Camera Owner:** _____

Barometric Pressure (BP) at same Site?(circle one): Yes No **Reference BP Site Name:** _____

Departure Time: _____ **Called In at Time:** _____ **Call-in Contact Initials:** _____

Please ensure original inspection sheet is given to SSC team member upon return from field.

RECOVERY

(one form per housing)

STORM SURGE SENSOR INSPECTION FORM

Quick Lookup #

DATE: 11/13/13 STORM: Post-Sandy INSPECTORS: RAC/CES

SITE INFORMATION

SITE NAME: _____ LATITUDE (DD to 6 places): 40.7259
(Site Name Format: SSS-SS-COU-###, where SS = state, COU = county, ### = site number)

SITE DESCRIPTION: FI Breach West LONGITUDE (DD to 6 places): -72.8968

SENSOR INFORMATION

Sensor Type (circle one): HOBO (TROLL) Sensor Serial Number: 199189

Recovery Time (GMT): ~1110 EST | Tapedown or Tapeup from Housing Nut: _____ feet

Sensor in Water (circle one): (YES) NO | Housing Correction Factor: _____ feet (nut to orifice)

Slippage during deploy? (circle one): YES NO Slippage distance: _____ feet (nut to ref. mark)

REFERENCE POINT INFORMATION

RP # 2 Assumed RP elev. = 2.85 feet
TD from RP = _____ feet
Weight length = _____ feet
  Subtract total tapedown _____ feet

Assumed WS elevation = _____ feet

| Add/Subtract Housing TD/TU = | _____ feet |

| Housing Correction Factor = | _____ feet |

Slipping Correction Factor = _____ feet

Sensor Orifice Elevation = _____ feet

| TD to channel bottom/beach = | _____ feet |

Other notes: _____
_____
_____

SITE SKETCH (if needed)

RP2 to WS : 4.02'
RP2 to Nut : 2.85'

Did not measure nut to orifice.

High-Water Marks (circle one): YES NO

HWM description: _____

Pictures Taken (circle all that apply): (Sensor) Upstream Downstream Other Camera Owner: RAC

Barometric Pressure (BP) at same Site? (circle one): Yes No | Reference BP Site Name: _____

Departure Time: _____ Called In at Time: _____ Call-in Contact Initials: _____

PROCESSING INFORMATION (To be completed by Data Processor)

Raw surge data filename: _____ Reference BP raw data filename: _____
  (filename format: SSS-SS-COU-###.hobo) (filename format: SSS-SS-COU-###BP.hobo)

Proc'd surge data filename: _____ PDF graph filename: _____
  (filename format: SSS-SS-COU-###-final.csv) (filename format: SSS-SS-COU-###-graph.pdf)
Copied to FTP location (circle one): YES NO Completion Date: _____ Processor Initials: _____

RECOVERY

(one form per housing)

STORM SURGE SENSOR
INSPECTION FORM

Quick Lookup #

DATE: 11/13/13   **STORM:** post Sandy   **INSPECTORS:** AES, RMC, CES

SITE INFORMATION

SITE NAME: _____   **LATITUDE** (DD to 6 places): 40.7323

(Site Name Format: SSS-SS-COU-###, where SS = state, COU = county, ### = site number)

SITE DESCRIPTION: FI Breach Board   **LONGITUDE** (DD to 6 places): -72.8668

SENSOR INFORMATION

Sensor Type (circle one): (HOBO) TROLL   **Sensor Serial Number:** 9800741

Recovery Time (GMT): ~1500 | **Tapedown or Tapeup from Housing Nut:**   feet |

Sensor in Water (circle one): YES NO | **Housing Correction Factor:** _____ feet (nut to orifice) |

Slippage during deploy? (circle one): YES NO **Slippage distance:** _____ feet (nut to ref. mark)

REFERENCE POINT INFORMATION

RP # ____ Assumed RP elev. = N/A feet
TD from RP = _____ feet
Weight length= _____ feet
    Subtract total tapedown _____ feet

Assumed WS elevation = _____ feet

| Add/Subtract Housing TD/TU = _____ feet |

| Housing Correction Factor = _____ feet |

Slipping Correction Factor = _____ feet

Sensor Orifice Elevation = _____ feet

| TD to channel bottom/beach = _____ feet | **High-Water Marks** (circle one): YES NO

Other notes: _____   **HWM description:** _____

SITE SKETCH (if needed)

_____

Pictures Taken (circle all that apply): *Sensor Upstream Downstream Other* **Camera Owner:** _____

Barometric Pressure (BP) at same Site?(circle one): Yes No | **Reference BP Site Name:** _____ |

Departure Time: _____ **Called In at Time:** _____ **Call-in Contact Initials:** _____

PROCESSING INFORMATION (To be completed by Data Processor)

Raw surge data filename: _____   **Reference BP raw data filename:** _____
    (filename format: SSS-SS-COU-###.hobo)   (filename format: SSS-SS-COU-###BP.hobo)

Proc'd surge data filename: _____   **PDF graph filename:** _____
    (filename format: SSS-SS-COU-###-final.csv)   (filename format: SSS-SS-COU-###-graph.pdf)
Copied to FTP location (circle one): YES NO **Completion Date:** _____ **Processor Initials:** _____