

DEPLOYMENT

(one form per housing)

STORM SURGE SENSOR INSPECTION FORM

Quick Lookup #

DATE: 6/19/13 STORM: post-Sandy INSPECTORS: AES/MLD/RBIB

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: F1 Brrach East LONGITUDE (DD to 6 places): -72.8964

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

SENSOR INFORMATION

Sensor Type (circle one): HOBO TROLL Sensor Serial Number: 9800740

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

Deployment Time (GMT): 1322 EST Tapedown or Taper from Housing N/A 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

SITE SKETCH

RP # 1 Assumed RP elev. = 284 feet

TD from RP = feet

Weight length = feet

Subtract total tapedown feet

Assumed WS elevation = 40.8 feet

Add/Subtract Housing TD/TD feet

Housing Correction Factor = feet

Sensor Orifice Elevation = feet

TD to channel bottom/beach = feet

RP description: top of nut on 3rd pier from E edge dock

Other notes:

Handwritten site sketch notes: 42' to WS to RP1, 272 RP1 do not, 62 nut to orifice

VI label on housing? N

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.

DEPLOYMENT

(one form per housing)

STORM SURGE SENSOR INSPECTION FORM

Quick Lookup #

DATE: 6/19/13 STORM: post-Sandy INSPECTORS: MLU / PBR / AES

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: F1 Breach Baro LONGITUDE (DD to 6 places): -72.8669

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

SENSOR INFORMATION

Sensor Type (circle one): HOBO TROLL Sensor Serial Number: -9800738

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

Deployment Time (GMT): 1058 EST Tapedown or Tapeup from Housing Nut: feet

Sensor Data Interval (circle one): 30 sec 2 sec LOW Housing Correction Factor: feet (nut to orifice)

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

REFERENCE POINT INFORMATION

SITE SKETCH

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: on post of

visitor center

South side

VI label on housing? YES

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

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.

DRAFT—ADMINISTRATIVE USE ONLY

DEPLOYMENT

(one form per housing)

STORM SURGE SENSOR INSPECTION FORM

Quick Lookup #

DATE: 6/25/13 STORM: Post Sandy INSPECTORS: T. Tagliaferri, J. Costanza

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: Fire Isl. Wilderness Beach 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: 196363

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

Deployment Time (GMT): + temp + SC + salinity

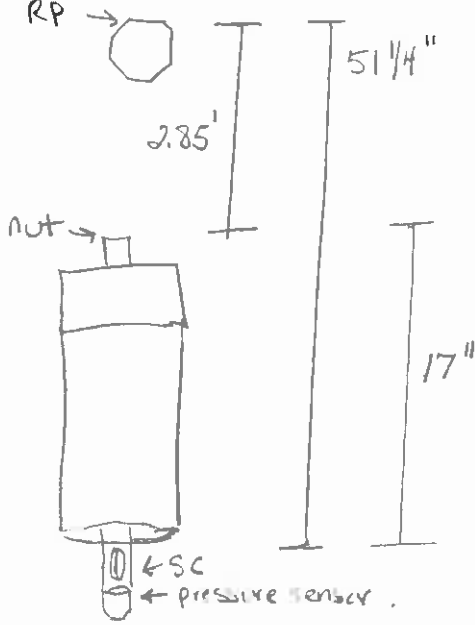
Sensor Data Interval (circle one): 30 sec 2 sec 6 min

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

REFERENCE POINT INFORMATION

SITE SKETCH

RP # Assumed RP elev. = 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: Aqua Troll is hanging from cap via two large quick links and two zip ties wrapped in electric tape.

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.



November 2006

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

Station No. LAB CHECKOUT

Station No. _____ Station Name Wilderness Breach
 Monitor Inspected By T. Tagliaferri Date 6/25/13 Watch Time _____ Time Datum _____
 Gage Ht _____ (Rising, Falling, Steady, Peak) Channel Conditions _____
 Monitor Make/Model Aqua Troll 200 Monitor Serial No. 196363
 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: To be deployed @ the breach

MONITOR FOULING CHECKS

Parameter	Before Cleaning		After Cleaning	
	Time _____		Time _____	
	Recorded/ Live Monitor Reading	Field Meter Reading	Recorded/ Live Monitor Reading	Field Meter Reading
Temp (°C)				
pH (units)				
DO (mg/L)				
SC (µS/cm)				
Turbidity (FNU NTU NTRU FNMU ENRU FAU FBU AU) PARM CODE _____ Method code _____				
Other _____				

CALIBRATION DRIFT CHECKS

TEMPERATURE Calibration Criteria: ± 1 percent or ± 0.5 °C for liquid-filled thermometers; ± 0.2 °C for thermistors	Recorded/Live Monitor Reading Time <u>Aqua Troll</u>	Field Meter Reading Time <u>NIST</u>	Field Meter 2-pt check Date	Field Meter 5-pt check Date
In room temp tap water	20.45	20.45		
Comments: <u>Good</u>				

SPECIFIC CONDUCTANCE Calibration Criteria: ± 5 percent for SC ≤ 100 µS/cm or ± 3 percent for SC >100 µS/cm				Calibration Check Time _____			Recalibration Time _____		
Standard Value	Standard Lot No.	Standard Type KCl; NaCl	Expiration Date	Standard Temp °C	SC Reading µS/cm	Error %	Standard Temp °C	SC Reading µS/cm	Error %
10,000	1262626	KCl	2/14	23.4	9900				
25,000	1202226	KCl	1/14	22.9	25000				
50,000	1201627	KCl	1/14	22.8	50200				
Cell range =	Reading in air = (should be zero) <u>0</u>								
Comments: <u>Depth in air = 0.01 Rezeroed = 0.000</u>									

RECOVERY

(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: F1 Breach East LONGITUDE (DD to 6 places): -72.8964

SENSOR INFORMATION

Sensor Type (circle one): HOBO TROLL Sensor Serial Number: 9800740
Recovery Time (GMT): 13:20 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

SITE SKETCH (if needed)

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 = 2.75 feet
Housing Correction Factor = -.62 feet
Slipping Correction Factor = feet
Sensor Orifice Elevation = -.53 feet
TD to channel bottom/beach = feet

RP1 to WS : 2.5 ft.
RP1 to nut : 2.75 ft
nut to orifice : 0.62 ft

Other notes: RPI - top of nut on pier
High-Water Marks (circle one): YES NO
HWM description:

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:

RECOVERY

(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 7323

SITE DESCRIPTION: F1 Breach Bar LONGITUDE (DD to 6 places): -72.8668

SENSOR INFORMATION

Sensor Type (circle one): HOBO TROLL Sensor Serial Number: 9800738
Recovery Time (GMT): 15:45
Sensor in Water (circle one): YES NO
Slippage during deploy? (circle one): YES NO Slippage distance: feet

REFERENCE POINT INFORMATION

SITE SKETCH (if needed)

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:

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:

RECOVERY

(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): 40.7259
(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: 196363
Recovery Time (GMT): 13:46 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

SITE SKETCH (if needed)

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 = 2.85 feet
Housing Correction Factor = -1.62 feet
Slipping Correction Factor = feet
Sensor Orifice Elevation = -1.62 feet
TD to channel bottom/beach = feet

RP2 to WS : 2.52 Ft
RP2 to nut . 2.85 Ft
nut to orifice : 1.46 Ft - S.C. chamber
1.62 Ft - P.S. orifice.
1.66 Ft - Lower P.S. orifice.

Other notes: RP 2 - top of lag bolt High-Water Marks (circle one): YES NO
HWM description:

* Entire housing is covered with young mussels. Could not remove TROLL until mussels removed from bottom

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: