

# USGS STM SENSOR RECOVERY FORM (one form per housing)

Housing # \_\_\_\_\_

DATE: 9/01/12 STORM: ISAAC INSPECTORS: CJH

SITE INFO

SITE ID: HWM-MS-HAR-011 LAT (DD to 6 places): 30.43205  
(format: SSS-ST-COU-####PP; see SOP)

SITE NAME: Debris Line @ D.S. S. OF RXR Bridge LONG (DD to 6 places): 89.08773

STATE: MS COUNTY: HARRISON Landowner Info: Notified (Yes/No) Name: \_\_\_\_\_

SENSOR INFORMATION

<b>Sensor Type (circle one):</b> Hobo Troll RDG RDW <input checked="" type="radio"/> HWM Other? _____ Serial # _____	<b>Deployed as (circle one):</b> Water level (WL) Baro Pressure (BP) Wave Height (WV) <input checked="" type="radio"/> HWM Other? _____	<b>Data Interval:</b> 30 sec 2 sec Other: _____ <b>Sensor Deploy Time (GMT):</b> _____ <b>Data Start Time (GMT):</b> _____ <b>Sensor in Water (Y/N)</b> _____	<b>BP sensor collocated?</b> (Yes/No) <b>BP Site ID:</b> _____ <b>USGS VI on housing?</b> (Yes/No)
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DETERMINE WATER SURFACE

<b>Water Surface Reference Point (WSRP) Info</b> Reference Point (WSRP) # <u>8717</u> WSRP elevation (feet): _____ Elevation Assumed? <input checked="" type="radio"/> (Yes/No) WSRP description: <u>Fair debris line rack on DS left side of RXR bridge labeled X HWM painted orange 20 ft to left of telephone pole at DS left side of RXR bridge</u>	<b>Water Surface (WS) Elev. Calculations</b> TD Time: _____ GMT WSRP elevation (WSRP): _____ feet Tapedown (A): _____ feet Weight length (B): _____ feet Total TD (A + B): _____ feet <b>WS = WSRP - (A + B):</b> _____ feet WS conditions (circle)? <input type="radio"/> Calm <input type="radio"/> Choppy <input type="radio"/> Wavy	
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DETERMINE THE SENSOR HOUSING ELEVATION

Located with SSS-MS-HAR-009

To determine the Sensor Housing Elevation using a tapeup/tapedown from the established water surface elevation above, use the box to the right.

**Choose option!**

If elevation run to 2<sup>nd</sup> RP (SHRP) above sensor, then use lower boxes.

<b>Sensor Housing RP Info</b> Reference Point (SHRP) # _____ SHRP elevation (feet): _____ Elevation Assumed? <input type="radio"/> (Yes/No) RP description: _____	<b>Sensor Housing Nut Elevation (D) from WS</b> Water Surface (WS): _____ feet Nut in water? Tape up to nut _____ feet OR Nut out of water? Tape down: _____ feet <b>D = (WS +/- C) - S:</b> _____ feet	
(This section is linked to the RP description above)	<b>Sensor Housing Nut Elevation (D) from SHRP</b> SHRP elevation: _____ feet Tapedown (A): _____ feet Weight length (B): _____ feet Total TD (A + B): _____ feet Subtract slippage (S): _____ feet <b>D = SHRP - (A + B) - S:</b> _____ feet	

# USGS STM SENSOR RECOVERY FORM (page 2)

**SENSOR ORIFICE ELEVATION**

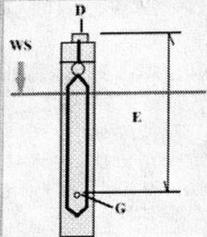
**Sensor Orifice Elevation ( $G = D - E$ )**

Housing Nut (D): \_\_\_\_\_ feet

Subtract Housing Correction Factor (E): \_\_\_\_\_ feet

**Sensor Orifice Elevation (G):**

\_\_\_\_\_ feet



**SENSOR HEIGHT ABOVE GROUND**

**Use if Sensor Deployed Above Ground w/ no RP Elevation ( $OEG = D - (H - E)$ )**

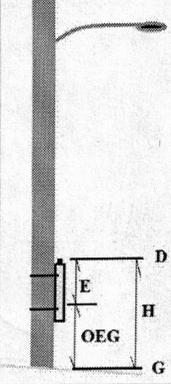
Housing Nut (D): \_\_\_\_\_ feet

TD to Ground (H): \_\_\_\_\_ feet

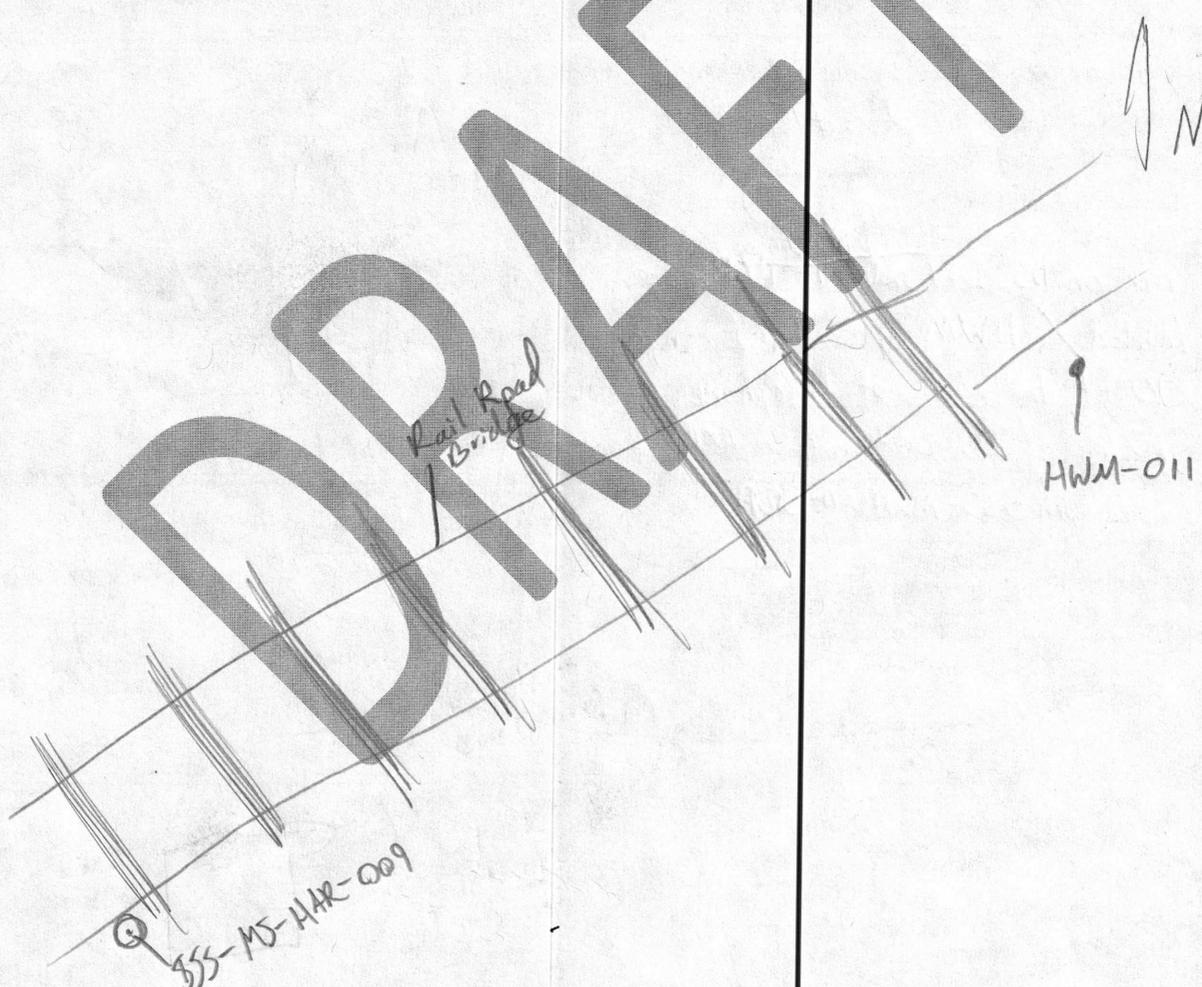
Subtract Housing Correction Factor (E): \_\_\_\_\_ feet

Data offset for Depth above Ground (OEG): \_\_\_\_\_ feet

*This is used only until RP elevation is surveyed in to get initial estimate of depth above ground surface*



**DRAW SITE SKETCH BELOW**



<b>CHECK IN!!</b>	Pictures Taken (circle all that apply):				Sensor	RP	RM	North	South	East	West
	Departure Time: _____ GMT		Check-In Time: _____ GMT		STM Coord. on duty: _____						