

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

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

DATE: 9/1/12 STORM: ISAAC INSPECTORS: CJH

**SITE INFO**  
 SITE ID: HWM-MS-HAR-009 LAT (DD to 6 places): 30.37781  
(format: SSS-ST-COU-###PP; see SOP)  
 SITE NAME: Debris line south of US 90 LONG (DD to 6 places): 89.04596  
 STATE: MS COUNTY: HARRISON Landowner Info: Notified (Yes/No) Name: \_\_\_\_\_

**SENSOR INFORMATION**

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

**DETERMINE WATER SURFACE**

|   |   |  |
|---|---|--|
| <b>Water Surface Reference Point (WSRP) Info</b><br>Reference Point (WSRP) # <u>002</u><br>WSRP elevation (feet): <u>10.01</u><br>Elevation Assumed? (Yes/No)<br>WSRP description:<br><u>Fair debris line on sidewalk</u><br><u>of walkway south of US 90</u><br><u>located with SSS-MS-HAR-006</u> | <b>Water Surface (WS) Elev. Calculations</b><br>TD Time: _____ GMT<br>WSRP elevation (WSRP): _____ feet<br>Tapedown (A): _____ feet<br>Weight length (B): _____ feet<br>Total TD (A + B): _____ feet<br><b>WS = WSRP - (A + B):</b> _____ feet<br>WS conditions (circle)? <input type="checkbox"/> Calm <input type="checkbox"/> Choppy <input type="checkbox"/> Wavy |  |
|---|---|--|

**DETERMINE THE SENSOR HOUSING ELEVATION**

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

# USGS STM SENSOR RECOVERY FORM (page 2)

**SENSOR ORIFICE ELEVATION**

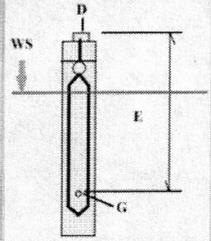
*Sensor Orifice Elevation ( $G = D - E$ )*

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 ( $OEG = D - (H - E)$ )*

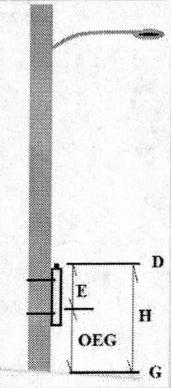
Housing Nut (D): \_\_\_\_\_ feet

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

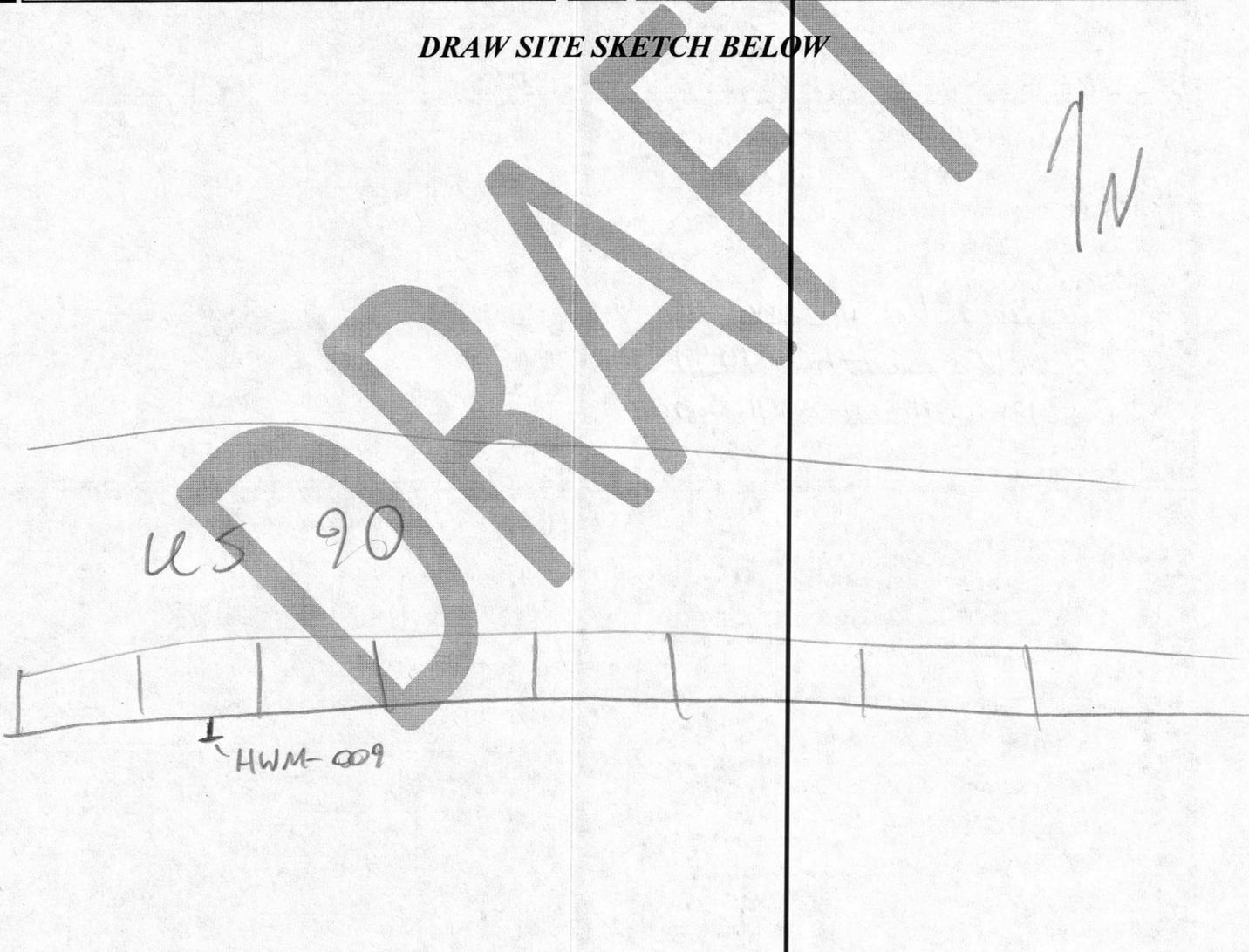
Subtract Housing Correction Factor (E): \_\_\_\_\_ feet

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: _____ |    |    |       |       |      |      |