USGS STM SENSOR RECOVERY FORM (one form per housing)

DATE: 8/31/12 **STORM:** ISAAC **INSPECTORS:** CJH

Housing #

SITE INFO

SITE ID: HWM-MS-HAR-004 **LAT** (DD to 6 places): 30.45319

(format: SSS-ST-COU-###PP; see SOP)

SITE NAME: Debris Line @ Fritz Clk and Lorain Rd. **LONG** (DD to 6 places): 89.02776

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

SENSOR INFORMATION

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

DETERMINE WATER SURFACE

Water Surface Reference Point (WSRP) Info

Reference Point (WSRP) # 002

WSRP elevation (feet): 8.14

Elevation Assumed? *(Yes/No)*

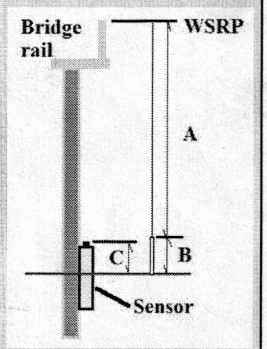
WSRP description: 2nd screw set in white warning post to right of downstream side of bridge poor debris line

Water Surface (WS) Elev. Calculations

TD Time: _____ GMT

WSRP elevation (WSRP):	_____	feet
Tapedown (A):	_____	feet
Weight length (B):	_____	feet
Total TD (A + B):	_____	feet
WS = WSRP – (A + B):	_____	feet

WS conditions (circle)? Calm Choppy Wavy



DETERMINE THE SENSOR HOUSING ELEVATION

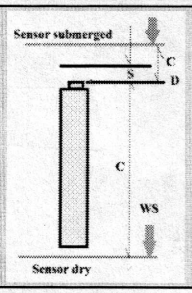
To determine the Sensor Housing Elevation using a tapeup/tapedown from the established water surface elevation above, use the box to the right.

Choose option!

If elevation run to 2nd RP (SHRP) above sensor. then use lower boxes.

Sensor Housing Nut Elevation (D) from WS

Water Surface (WS):	_____	feet
Nut in water? Tape up to nut	_____	feet
OR		
Nut out of water? Tape down:	_____	feet
D = (WS +/- C) -S:	_____	feet



Sensor Housing RP Info

Reference Point (SHRP) # _____

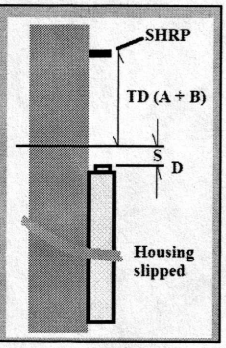
SHRP elevation (feet): _____

Elevation Assumed? *(Yes/No)*

RP description: good wash, line on downstream right bank c 150 ft right of ds right corner of bridge 10 ft off rd. and 4 ft below rd. surface Marked in sharpie & with green flagging

Sensor Housing Nut Elevation (D) from SHRP

SHRP elevation:	_____	feet
Tapedown (A):	_____	feet
Weight length (B):	_____	feet
Total TD (A + B):	_____	feet
Subtract slippage (S):	_____	feet
D = SHRP – (A + B) - S:	_____	feet



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SENSOR ORIFICE ELEVATION

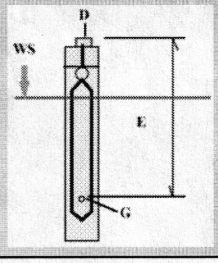
Sensor Orifice Elevation (G = D - E)

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))

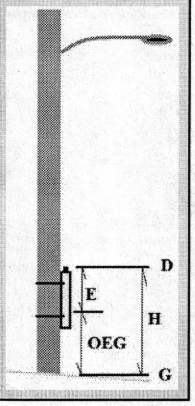
Housing Nut (D): _____ feet

TD to Ground (H): _____ feet

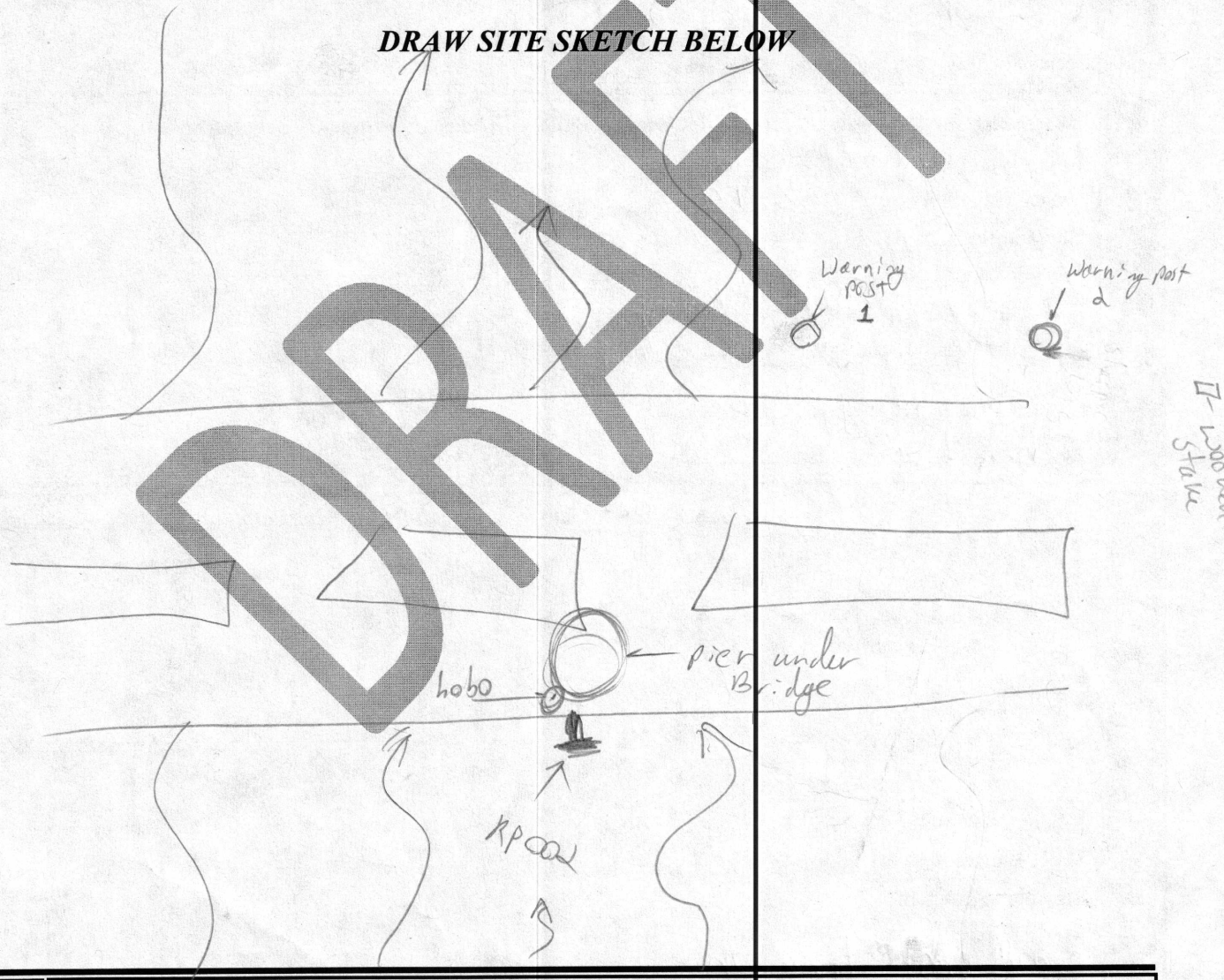
Subtract Housing Correction Factor (E): _____ feet

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



DRAFT

CHECK IN!!

Pictures Taken (circle all that apply): Sensor RP RM North South East West

Departure Time: _____ GMT Check-In Time: _____ GMT STM Coord. on duty: _____