USGS STM SENSOR RECOVERY FORM (one form per housing)

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

Housing #

SITE INFO

SITE ID: HWM-MS-HAN-012 **LAT** (DD to 6 places): 30.36651

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

SITE NAME: Diamond Head Marina @ Hulas Bar & Grill **LONG** (DD to 6 places): 89.37555

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

SENSOR INFORMATION

Sensor Type (circle one):
Hobo Troll
RDG RDW
(HWM)
Other? _____
Serial # _____

Deployed as (circle one):
Water level (WL)
Baro Pressure (BP)
Wave Height (WV)
(HWM)
Other?

Data Interval:
30 sec 2 sec Other: _____
Sensor Deploy Time (GMT): _____
Data Start Time (GMT): _____
Sensor in Water (Y/N)

BP sensor collocated?
(Yes/No)
BP Site ID: _____
USGS VI on housing?
(Yes/No)

DETERMINE WATER SURFACE

Water Surface Reference Point (WSRP) Info

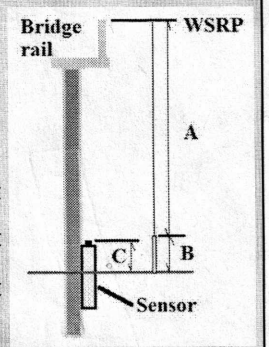
Reference Point (WSRP) # 001
WSRP elevation (feet): 9.765
Elevation Assumed? *(Yes/No)*
WSRP description: Fair trash Line 100ft N of Nend of small boat canal west of Hulas

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

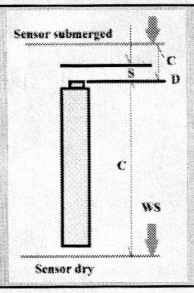
To determine the Sensor Housing Elevation using a tapeup/tapedown from the established water surface elevation above, use the box to the right.

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

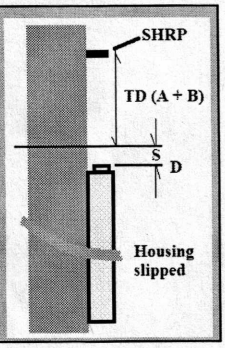


Sensor Housing RP Info

Reference Point (SHRP) # _____
SHRP elevation (feet): _____
Elevation Assumed? *(Yes/No)*
RP description: _____

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

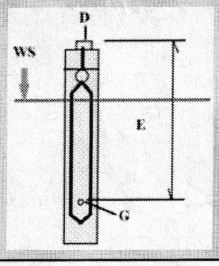
Sensor Orifice Elevation (G = D - E)

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))

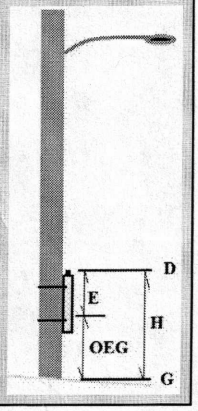
Housing Nut (D): _____ feet

TD to Ground (H): _____ feet

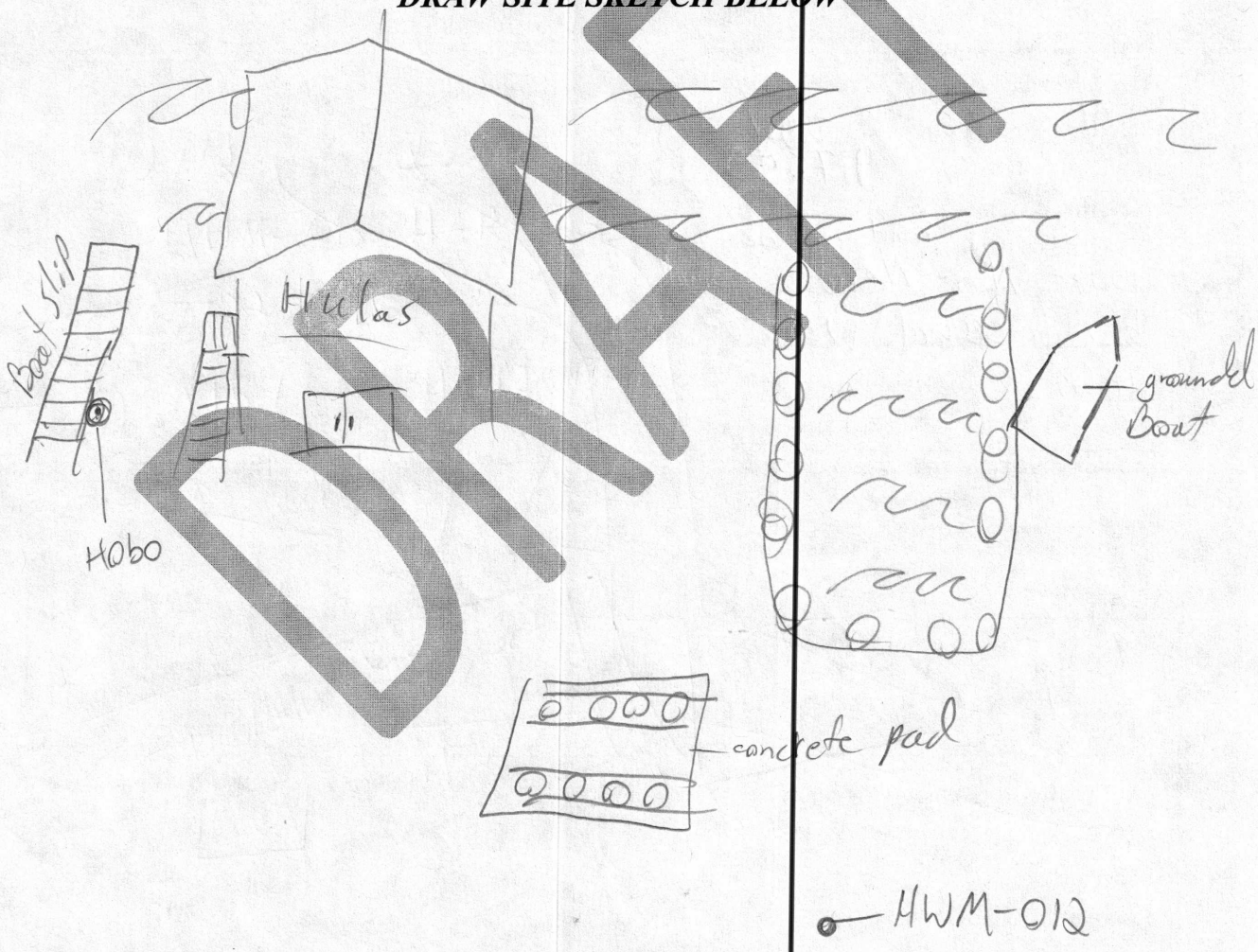
Subtract Housing Correction Factor (E): _____ feet

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: _____