USGS STM SENSOR RECOVERY FORM (one form per housing)

DATE: 2/3/12 @ 1522 CST (2022 GMT) **STORM:** Isaac **INSPECTORS:** BMM/DCS/JF/CW

N/A
Housing #

SITE INFO

SITE ID: HWM-LA-ORL-004 **LAT** (DD to 6 places): 30.12564
(format: SSS-ST-COU-###PP; see SOP)

SITE NAME: FAA ~~Rao~~ Air Traffic Control Tower **LONG** (DD to 6 places): -89.86719

STATE: LA **COUNTY:** Orleans **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?

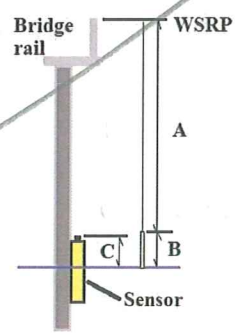
Data Interval:
30 sec 2 sec Other: _____
Sensor Deploy Time (GMT):
_____
Data Start Time (GMT):
_____
Sensor in Water (Y/N)

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) # _____
WSRP elevation (feet): _____
Elevation Assumed? *(Yes/No)*
WSRP description:
_____
_____
_____
_____

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

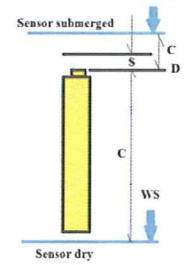
To determine the Sensor Housing Elevation using a tapeup/tapedown from the established water surface elevation above, use the box to the right.

Choose option!

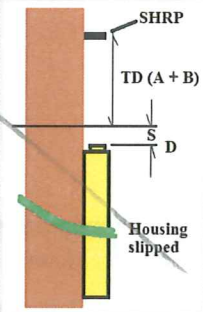
If elevation run to 2nd RP (SHRP) above sensor. then use lower boxes.

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

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 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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USGS STM SENSOR RECOVERY FORM (page 2)

SENSOR ORIFICE ELEVATION

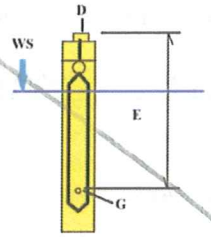
Sensor Orifice Elevation (G = D - E)

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))

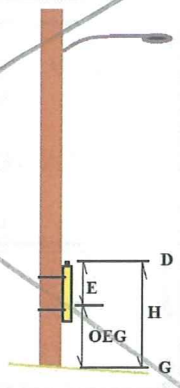
Housing Nut (D): _____ feet

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

- HWM-004 is located at an FAA air traffic control tower. HWM is located on an electrical service (wooden) pole approx. 2.5 ft abv. LSD. Pole in front of facility, is a seed line (exposed to outside).
- GPS-004 is PK nail driven into asphalt road shoulder on west side of Hwy 11. PK nail is even w/ NE corner of fence surrounding property + approx. 70' to road from fence corner.
- HWM Elev = 5.19 ft NAVD 88

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: _____

DRAFT