



Party:

Event:

Date:

STN RECOVERY FORM

(Section 1) Site Visit Summary

SITE ID: _____ Sensor Status: _____ Collection Condition: _____ Time: _____

LATITUDE: _____ Barometric Sensor on site? YES NO

LONGITUDE: _____ Baro Sensor Status: _____ Baro Collection Conditions: _____

Site Visit Tasks

Datum Established Objective Points Installed Levels Ran Pictures Taken Site Sketch HWM

COMMENTS:
(internal notes)

(Section 2) Elevations and Tapedown Information

Measuring Point(s): _____ Description: _____ Elevation: _____ ft

Vertical Datum: _____ Vertical Collection Method: _____ Survey Uncertainty: (+/-) _____ ft _____ cm

Comments:
(other MP used, NGS BM PID, etc)

Sensor Orifice Elevation MP = _____ Housing MMT = _____ Corr. = _____ * ELEV = _____ Comments: _____	Water Surface Elevation MP = _____ MMT = _____ ELEV = _____ Comments: _____	Land Surface Elevation MP = _____ MMT = _____ ELEV = _____ Comments: _____
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(Section 3) HIGH WATER MARKS

Flagged Only? YES NO



HWM Type	Marker	Label	Coastal	Riverine	Uncertainty (+/-)	ft
Quality:	Height abv LSD:	ft Location				
Tranquil/Still HWM: YES NO	Description:					
Elevation:	ft					

HWM Type	Marker	Label	Coastal	Riverine	Uncertainty (+/-)	ft
Quality:	Height abv LSD:	ft Location				
Tranquil/Still HWM: YES NO	Description:					
Elevation:	ft					

Vertical Datum: _____ Vertical Collection Method: _____ Survey Uncertainty: (+/-) _____ ft _____ cm

(Section 4) Recovery Guidance

Establishing Datum

- If a 2nd Order NGS benchmark is nearby, use it or at least document it.
- Smart Phone Apps for benchmark searches
 - BenchMap (android)
 - FindAControl (iphone)
- If data service is 1X or non existent, expand your potential levels run to a NGS benchmark up to 0.3 miles.
- If data service is 3G or better, and no NGS benchmarks exists within 600 ft, designate "GNSS survey needed" in Section 2 Comments.

Communication

- Obtain permission from land owners before installing any "permanent" markers or flagging
- Provide the following link to any public that are interested. It is called the Flood Event Viewer (<http://water.usgs.gov/floods/FEV/>)
- Wear visual identity clothing and utilize PPE

Finding HWMs

- Avoid swift water areas, produces poor marks
- Go for low-velocity areas, produces better marks
- Avoid small bushes and trees that may bend in velocity and stand back up after the flood (Fig. 6)
- Go for fences or window screens
- Building interiors act as stilling wells, verify inside and outside levels equalized
- More is better than fewer, especially if marks are poor or the slope is steep