

402 West Washington Street, W264
Indianapolis, IN 46204

PD # _____ Sheet _____ of _____
Stream _____
Flood of _____
Crest Date _____
Marks set by _____ Date _____
Levels by _____ Date _____

HIGH WATER MARKS AND STREAM FEATURES

Reach of Stream _____ Quad _____
Sec. _____, Twp. _____, Rge. _____, _____ P.M. River Mile _____
UTM North _____ UTM East _____

RP Description: On the U/S; D/S; side of the bridge. RP Elevation _____
_____ feet _____ from the centerline of the bridge.
_____ feet _____ from the Left; Right; end of the bridge. Set Found

A Chiseled "V"; Two Filed Notches; Other _____
Low Structure _____ Elevation _____
Crown of Arch _____ Elevation _____
Thalweg _____ Elevation _____
Other _____ Elevation _____

Field # _____ Source of info. P/O, Other _____ Mark # _____
Quality of Mark Very Good, Good, Fair, Poor Elevation _____
Reliability Very Good, Good, Fair, Poor River Mile _____
Type of Mark Mud, Seed, Drift, Other _____
Description: On the Left Bank; Right Bank; _____ feet U/S; D/S; of the Bridge; Other _____
_____ feet Landward; Streamward of _____

A 20d; or _____ d nail and BC or Other _____
In the U/S; D/S; LWD; SWD; side of a _____ dia. _____ Tree; Power Pole or Other _____
A chiseled painted crowsfoot _____; _____ Feet Above Ground

Field # _____ Source of info. P/O, Other _____ Mark # _____
Quality of Mark Very Good, Good, Fair, Poor Elevation _____
Reliability Very Good, Good, Fair, Poor River Mile _____
Type of Mark Mud, Seed, Drift, Other _____
Description: On the Left Bank; Right Bank; _____ feet U/S; D/S; of the Bridge; Other _____
_____ feet Landward; Streamward of _____

A 20d; or _____ d nail and BC or Other _____
In the U/S; D/S; LWD; SWD; side of a _____ dia. _____ Tree; Power Pole or Other _____
A chiseled painted crowsfoot _____; _____ Feet Above Ground

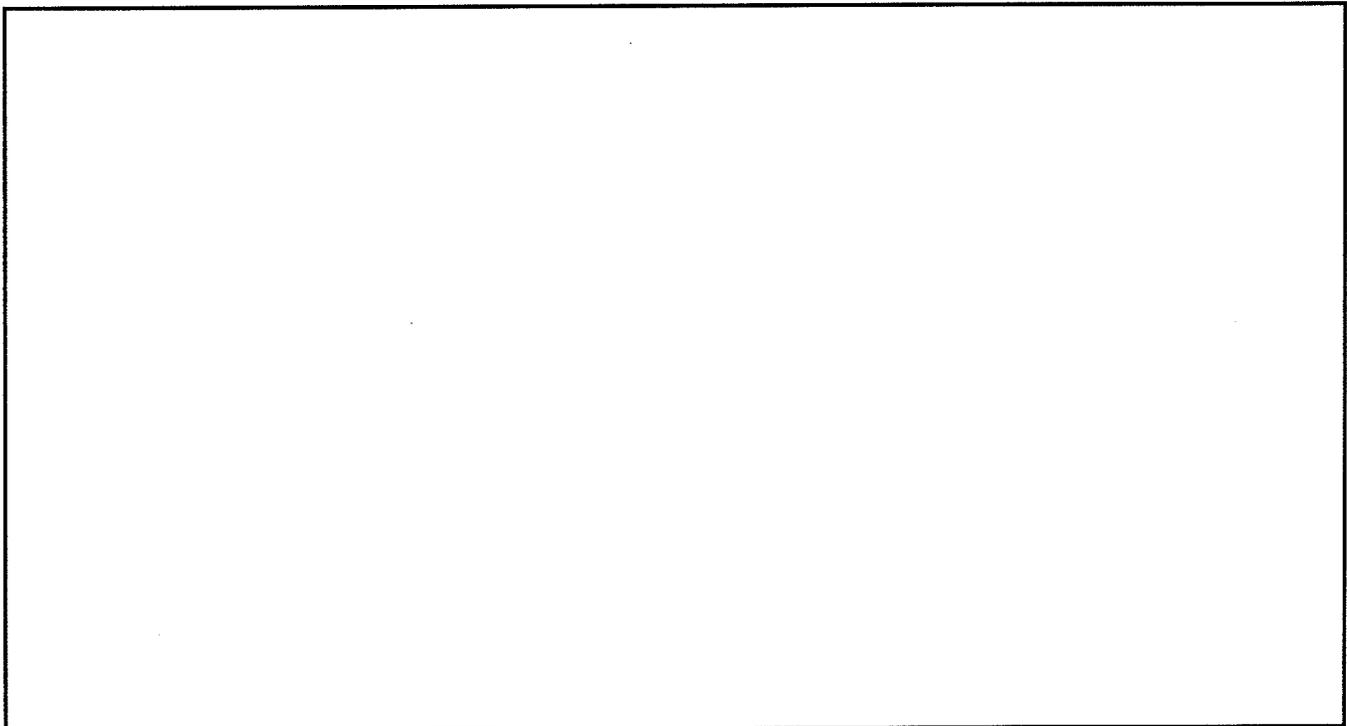
Field # _____ Source of info. P/O, Other _____ Mark # _____
 Quality of Mark Very Good, Good, Fair, Poor Elevation _____
 Reliability Very Good, Good, Fair, Poor River Mile _____
 Type of Mark Mud, Seed, Drift, Other _____
 Description: On the Left Bank; Right Bank; _____ feet U/S; D/S; of the Bridge; Other _____
 _____ feet Landward; Streamward of _____

A 20d; or _____ d nail and BC or Other _____
 In the U/S; D/S; LWD; SWD; side of a _____ dia. _____ Tree; Power Pole or Other _____
 A chiseled painted crowsfoot _____; _____ Feet Above Ground

Field # _____ Source of info. P/O, Other _____ Mark # _____
 Quality of Mark Very Good, Good, Fair, Poor Elevation _____
 Reliability Very Good, Good, Fair, Poor River Mile _____
 Type of Mark Mud, Seed, Drift, Other _____
 Description: On the Left Bank; Right Bank; _____ feet U/S; D/S; of the Bridge; Other _____
 _____ feet Landward; Streamward of _____

A 20d; or _____ d nail and BC or Other _____
 In the U/S; D/S; LWD; SWD; side of a _____ dia. _____ Tree; Power Pole or Other _____
 A chiseled painted crowsfoot _____; _____ Feet Above Ground

SKETCH (OPTIONAL)



HIGH WATER MARKS & STREAM FEATURES

Reach of Stream Fort Wayne Quad Fort Wayne West

RP Description: On the U/S; D/S; side of the bridge.

_____ ft. _____ of the centerline of the bridge.

_____ ft. _____ of the left; right; end of the bridge. set, found

A chiseled "V", Two filed notches, Other _____
 RP Elev _____ Levels by _____ Date / /
 Low structure _____ Elev. _____
 Crown of Arch _____ Elev. _____
 Thalweg _____ Elev. _____
 Other _____ Elev. _____
 Sec. _____, Twp. _____, Rge. _____, _____ PM UTM N _____
 River Mile _____ E _____

Field # (51), River Mile Clinton St (SR1), Crest Date _____ Mark # _____
 Source of info. P.O., or Other _____ Elev. 754.3 feet NGVD 1929

Quality of mark very good, good, fair, poor

Reliability very good, good, fair, poor

Type of Mark Mud, Seed, Drift, Other debris

Description: On the Left Bank; Right Bank; 100 ft., U/S; D/S; of the
 bridge; Other _____

_____ ft. Landward; Streamward of
2' SWD of bike path w/ steel railing, 100' U/S bridge
5' LWD of river bank
3.7' above ground

A 20d; or _____ d nail and B.C.; Shiner; Al. Tag; Other _____

On the U/S; D/S; LWD; SWD side of a 6" dia. hardwood tree Elm tree

Power Pole; or Other _____; _____ ft. above ground

A Chiseled; Painted crowsfoot _____

bottlecap + ribbon

Field # (52), River Mile Clinton St., Crest Date _____ Mark # _____
 Source of info. P.O., or Other _____ Elev. 754.2 feet NGVD 1929

Quality of mark very good, good, fair, poor

Reliability very good, good, fair, poor

Type of Mark Mud, Seed, Drift; Other debris

Description: On the Left Bank; Right Bank; 60 ft., U/S; D/S; of the
 bridge; Other _____

_____ ft. Landward; Streamward of
(concrete) 5' from asphalt bike path w/ steel railing
3.5' above ground
50' D/S of bridge

A 20d; or _____ d nail and B.C.; Shiner; Al. Tag; Other _____

On the U/S; D/S; LWD; SWD side of a 6" dia. hardwood Elm tree

Power Pole; or Other _____; _____ ft. above ground

A Chiseled; Painted crowsfoot _____

bottlecap + ribbon

Instructions for Setting High Water Marks

Basically, the idea is to identify the peak elevation that a flood reached and to leave some mark that can later be tied in to the appropriate vertical datum. In order for that mark to be tied in later, a good description needs to be made of where that mark is and what kind of mark the surveyor should look for. That is the purpose of the High Water Mark form. More than one mark can be described on each page. Following is a description of some of the fields and abbreviations used on the form.

Field #: Choose a number to use as a reference. It is very helpful to also include a master map with the approximate location of each of the marks and their assigned Field #.

River Mile: If the river mile is known, use that. Otherwise, some other locator such as a street name or major landmark can be used.

Elev.: This number is added by a surveyor at a later date when the mark is located and tied in to the appropriate datum. (This can only be done if adequate description is provided to locate the mark at a later date.)

P.O.: Refers to Personal Observation.

Quality of Mark: Refers to whether or not it was faint, was accompanied by other marks at the same elevation, etc.

Reliability: Refers to how sure you are that this is the peak elevation of the flood. For example, mud lines are often good quality but are left after (and below) the peak when water stays at one level for a longer period of time.

Type of Mark: Mud line, seed line (often stuck in trees with rough bark), and drift lines are noted. Describe any other indication of the flood peak elevation.

Description: This is used later by a surveyor to locate the mark. Boxes are provided for commonly used terms in the description. Left and right banks refer to direction as you face downstream. U/S and D/S refer to upstream and downstream respectively. This could also include a description of the location of the high water in relation to some fixed feature such as a door threshold, porch floor, window sill, etc. Make sure an accurate description of the reference point and the distance from it is provided for accurate determination of the flood elevation at a later date.

20d: refers to the size of nail used to mark the elevation.

B.C.: This is the abbreviation for bottle cap. A nail is often placed thru a bottle cap and a ribbon tied around it to make it more easily located by a surveyor.

LWD and SWD: These are abbreviations for landward and streamward, respectively.