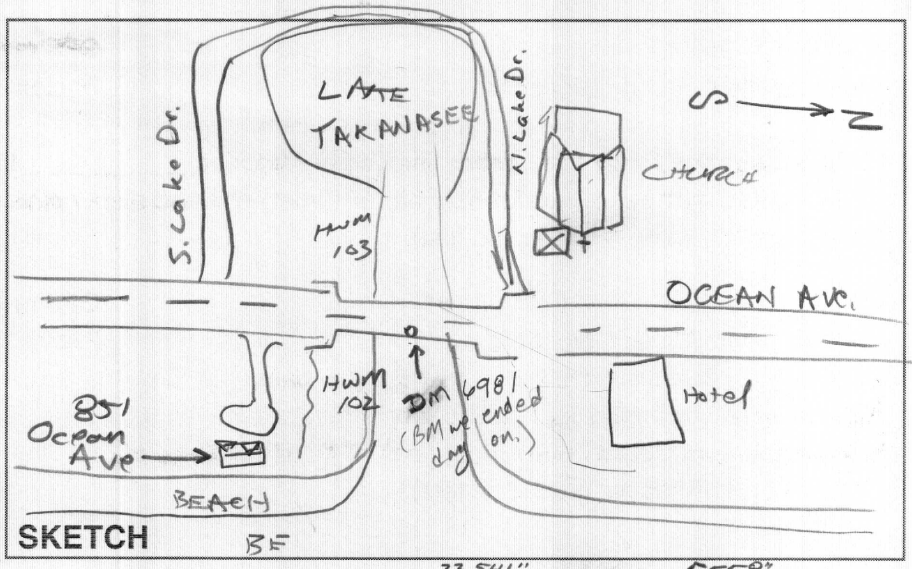
USGS
science for a changing world

High-Water Mark Documentation



River/stream:
Road name: Ocean Ave.
Site number: HWM-NJ-MON-102 (& 103)
County: MONMATH
Municipality: LONG BRANCH
Party: DAL/DPS
Date: 10/31/2012
Horizontal datum used: circle: 1927 NAD / 1983 NAD
Vertical datum used: circle: 1929 NGVD / 1988 NAVD

HWM#
circle: excellent / good / fair / poor
location: 200 feet u.s. / d.s. / r.b. / l.b. of bridge / dam on REW
HWM is: seed line / mud line / debris line / other (describe) lan dscaping straw found HWM on (describe): 10°L slope cut lawn/yard.
HWM marked with: paint / hub / rebar / nail / PK nail / chiseled mark / other (describe) _____
Distance of HWM above ground (in feet): shot 1 = 17.472', shot 2 = 17.374', } x̄ = 17.423'
GPS reading: lat 40° 16' 33.541" long 73° 59' 5.558" (good/poor)
Photo#

HWM#
circle: excellent / good / fair / poor
location: ____ feet u.s. / d.s. / r.b. / l.b. of bridge / dam
HWM is: seed line / mud line / debris line / other (describe)_____ found HWM on (describe):_____
HWM marked with: paint / hub / rebar / nail / PK nail / chiseled mark / other (describe) _____
Distance of HWM above ground (in feet):
GPS reading: lat___° ___' ___" long___° ___' ___" (good/poor)
Photo# ~~779~~, 780, ~~781~~, ~~782~~, 783

HWM# HWM-NJ-MON-103
circle: excellent / good / fair / poor
location: 20 feet u.s. / d.s. / r.b. / l.b. of bridge / dam
HWM is: seed line / mud line / debris line / other (describe) straw & twigs found HWM on (describe): 5°L slope in mowed grass area
HWM marked with: paint / hub / rebar / nail / PK nail / chiseled mark / other (describe) _____
Distance of HWM above ground (in feet): shot 1 = 14.634', shot 2 = 14.631', } x̄ = 14.632'
GPS reading: lat 40° 16' 34.361" long 73° 59' 8.613" (good/poor)
Photo# 784, 785, 786, 787

HWM#
circle: excellent / good / fair / poor
location: ____ feet u.s. / d.s. / r.b. / l.b. of bridge / dam
HWM is: seed line / mud line / debris line / other (describe)_____ found HWM on (describe):_____
HWM marked with: paint / hub / rebar / nail / PK nail / chiseled mark / other (describe) _____
Distance of HWM above ground (in feet):
GPS reading: lat___° ___' ___" long___° ___' ___" (good/poor)
Photo#
~~5°L slope in mowed grass area~~.

~~HWM#~~ BM we ended day on, located on bridge, disk in concrete
DM 6981
circle: excellent / good / fair / poor
location: 37 feet ~~u.s. / d.s.~~ from d.s. / r.b. / l.b. of bridge / dam on d.s.
HWM is: seed line / mud line / debris line / other (describe)_____ found HWM on (describe):_____
HWM marked with: paint / hub / rebar / nail / PK nail / chiseled mark / other (describe) _____
Distance of HWM above ground (in feet): ~~3rd~~ shot = 16.074, ~~4th~~ shot = 16.038 } 16.056'
(shot 1 & 2 lost to user error)
GPS reading: lat___° ___' ___" long___° ___' ___" (good/poor)
Photo# given elevation = 16.38', found elevation (mean) = x̄ = 16.056'

HWM#
circle: excellent / good / fair / poor
location: ____ feet u.s. / d.s. / r.b. / l.b. of bridge / dam
HWM is: seed line / mud line / debris line / other (describe)_____ found HWM on (describe):_____
HWM marked with: paint / hub / rebar / nail / PK nail / chiseled mark / other (describe) _____
Distance of HWM above ground (in feet):
GPS reading: lat___° ___' ___" long___° ___' ___" (good/poor)
Photo# 788, 789

HWM# GPS reading: lat___° ___' ___" long___° ___' ___" (good/poor)
circle: excellent / good / fair / poor Photo#
location: ____ feet u.s. / d.s. / r.b. / l.b. of bridge / dam
HWM is: seed line / mud line / debris line / other (describe)_____ found HWM on (describe):_____
HWM marked with: paint / hub / rebar / nail / PK nail / chiseled mark / other (describe) _____
Distance of HWM above ground (in feet):

HWM# GPS reading: lat___° ___' ___" long___° ___' ___" (good/poor)
circle: excellent / good / fair / poor Photo#
location: ____ feet u.s. / d.s. / r.b. / l.b. of bridge / dam
HWM is: seed line / mud line / debris line / other (describe)_____ found HWM on (describe):_____
HWM marked with: paint / hub / rebar / nail / PK nail / chiseled mark / other (describe) _____
Distance of HWM above ground (in feet):

HWM# GPS reading: lat___° ___' ___" long___° ___' ___" (good/poor)
circle: excellent / good / fair / poor Photo#
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Distance of HWM above ground (in feet):

HWM# GPS reading: lat___° ___' ___" long___° ___' ___" (good/poor)
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Distance of HWM above ground (in feet):

HWM# GPS reading: lat___° ___' ___" long___° ___' ___" (good/poor)
circle: excellent / good / fair / poor Photo#
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Distance of HWM above ground (in feet):

HWM# GPS reading: lat___° ___' ___" long___° ___' ___" (good/poor)
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Distance of HWM above ground (in feet):

Notes: