

NAO-2008-00212-kab

Selected Water

Folder NAO-2008-00212-kab
Form JD1
Name 2008-212 Bethel Reservoir
Local Waterway Bethel Reservoir / Brick Kiln Creek

Determination

Type Relatively Permanent Waters (RPWs) that flow directly or indirectly into TNWs
Area 4046.856
Flow Intermittent flow.
Flow Rationale Impoundment of Brick Kiln creek - ponded year-round.

Physical Characteristics

Relationship with TNW

Tributary stream order: 1

General Tributary Characteristics

Tributary

- Natural
 Artificial (man-made).

Manipulated (man-altered).

Explain: impoundment

Tributary properties with respect to top of bank (estimate):

Average Width 900

Average Depth

Average Side Slopes 2:1

Primary tributary substrate composition

- Silts
 Sands
 Concrete
 Cobbles
 Gravel
 Muck
 Bedrock
 Vegetation
 Other

Tributary has (check all that apply):

Describe the tributary condition/stability (e.g., highly eroding, sloughing banks)
 Stable.

Describe the presence of run/riffle/pool complexes

Tributary geometry Meandering

Tributary gradient % (approximate average slope)

Flow

Flow Type: Intermittent flow.

of flow events 20 (or greater) (Estimate average number of flow events in review area/year)

Describe flow regime

Other information on duration and volume

Surface flow Discrete and confined

Characteristics:

Subsurface Flow Unknown

Explain Findings

Dye (or other) test performed

Bed and banks

OHWM (Check all indicators that apply):

clear, natural line impressed on the bank

the presence of litter and debris

changes in the character of soil

destruction of terrestrial vegetation

shelving

the presence of wrack line

vegetation matted down, bent, or absent

sediment sorting

leaf litter disturbed or washed away

scour

sediment deposition

multiple observed or predicted flow events

water staining

abrupt change in plant community

other (list):

Discontinuous OHWM

If factors other than the OHWM were used to determine lateral extent of CWA jurisdiction (check all that apply):

High Tide Line indicated by

Mean High Water Mark indicated by

oil or scum line along shore objects

survey to available datum;

fine shell or debris deposits (foreshore)

physical markings;

physical markings/characteristics

vegetation lines/changes in vegetation types.

tidal gauges

other (list):

Chemical Characteristics

Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.).
no visual indications of pollution

Identify specific pollutants, if known

VOCs from roadways, pet wastes, agricultural wastes, nitrites, sulfates, etc

Biological Characteristics

Channel/Wetland supports (check all that apply):

Riparian corridor

Type/Width: forested

Wetland fringe

Characteristics: forested

Habitat for

Federally Listed species

Fish/spawn areas

Other environmentally-sensitive species

Aquatic/wildlife diversity

Explain findings: