

NAO-2007-04262-GDC

Selected Water

Folder NAO-2007-04262-GDC
Form JD2
Name Tributary 1
Local Waterway New Market Creek

Determination

Type Relatively Permanent Waters (RPWs) that flow directly or indirectly into TNWs
Linear 335.28
Flow Ephemeral flow.
Flow Rationale Seasonal High Water Table. Absense of ET pump.

Physical Characteristics

Relationship with TNW

Tributary stream order: 1

General Tributary Characteristics

Tributary

- Natural
- Artificial (man-made).

Manipulated (man-altered).

Explain: former swamp drain, excavated with sidecast.

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

Average Width 15
 Average Depth 3
 Average Side Slopes Vertical (1:1 or less)

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)
 moderately eroding with occasional mass wasting of side-slopes.

Describe the presence of run/riffle/pool complexes
 n/a

Tributary geometry Relatively Straight
 Tributary gradient 1 % (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 flow from upstream areas and from side slope seepage.

Other information on duration and volume likely 1-2 CFS for months of late winter and spring.

Surface flow Confined

Characteristics:

Subsurface Flow Yes

Explain Findings

- Dye (or other) test performed
- Bed and banks
- OHWM (Check all indicators that apply):
 - clear, natural line impressed on the bank
 - changes in the character of soil
 - shelving
 - vegetation matted down, bent, or absent
 - leaf litter disturbed or washed away
 - sediment deposition
 - water staining
 - other (list):
 - the presence of litter and debris
 - destruction of terrestrial vegetation
 - the presence of wrack line
 - sediment sorting
 - scour
 - multiple observed or predicted flow events
 - abrupt change in plant community

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
 - oil or scum line along shore objects
 - fine shell or debris deposits (foreshore)
 - physical markings/characteristics
 - tidal gauges
 - other (list):
- Mean High Water Mark indicated by
 - survey to available datum;
 - physical markings;
 - vegetation lines/changes in vegetation types.

Chemical Characteristics

Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.). water when observed has been clear, when disturbed, cloudy.
 Identify specific pollutants, if known

Biological Characteristics

Channel/Wetland supports (check all that apply):

- Riparian corridor
- Wetland fringe
- Habitat for
 - Federally Listed species

Fish/spawn areas

Other environmentally-sensitive species

Aquatic/wildlife diversity

Explain findings: birds and amphibians