

NWS-2008-00168-NO



## Form Information

JD Form Type: Seasonal

## Project Location and Background Information

State	WA - Washington
County/parish/borough	Snohomish
City	Marysville
Lat	-122.20052584402653
Long	48.144765343746066
Nearest Waterbody	North Fork Quilceda Creek
TNW into which the aquatic resource flows	Ebey Slough
Watershed or HUC	17110011
Map or diagram available	<input checked="" type="checkbox"/> (Review or Jurisdictional Area)
JD recorded associated sites?	<input type="checkbox"/> (e.g., offsite mitigation sites, disposal sites, etc.)
Universal Transverse Mercator:	[ ]

## Form Characteristics

Each characteristic may or may not be available depending on the form type chosen.

## Seasonal Form

Instructions: Click Next to associate the pre-populated dates to your form. To change the dates, click in the field to access the calendar and select your new date(s). Click Next to continue.

**Dates**

JD Sequence: 2

- Office Determination Date 03-Mar-2008  
 Field Determination Date(s)

## Request Date

**Offsite**

Area

Linear

Limits basis [ ]

OHWM Elevation (if known)

## General Area Conditions

Watershed size 278 square miles

Drainage area 300 acres

Average annual rainfall 45 inches

Average annual snowfall inches

## Physical Characteristics

**Relationship with TNW:**

- Tributary flows directly into TNW.
- Tributary flows through several tributaries before entering TNW.

**TNW Distance to Project Waters**

River miles: 10-15

Aerial miles: 5-10

**RPW Distance to Project Waters**

River miles: 1 (or less)

Aerial miles: 1 (or less)

Explain if the selected project water crosses or serves as state boundaries:

Flow route to TNW:

unnamed ditch along old railroad berm, west fork quilceda creek, quilceda creek, Ebey Slough (TNW)

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## Selected Water

**Folder** NWS-2008-00168-NO  
**Form** JD2  
**Name** NWS-2008168 Railroad Ditch  
**Local Waterway** West Fork Quilceda Creek

## Determination

**Type** Relatively Permanent Waters (RPWs) that flow directly or indirectly into TNWs  
**Linear** 98.42519685039370078740157480314960629921  
**Flow** Ephemeral flow.  
**Flow Rationale** ditches in this flat agricultural area flow continuously during late fall, winter, early spring season

## Physical Characteristics

**Relationship with TNW**

Tributary stream order: 1

**General Tributary Characteristics**

## Tributary

- Natural  
 Manipulated (man-altered).  Artificial (man-made).

Explain: ditch by side of railroad grade that receives water from other agricultural ditches and f

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

Average Width 5  
Average Depth 2  
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  
all run

Tributary geometry    Relatively Straight

Tributary gradient    % (approximate average slope)

### Flow

Flow Type:            Intermittent flow.

# of flow events      [ ] (Estimate average number of flow events in review area/year)

Describe flow regime

Other information on duration and volume

Surface flow           [ ]

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 de

changes in the character of soil

destruction of terrestrial ve;

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 predic events

water staining

abrupt change in plant com

other (list):

Discontinuous OHWM

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

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
- tidal gauges
- other (list):

- vegetation lines/changes in vegetat

#### Chemical Characteristics

Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.).

clear to slightly turbid after rainy periods

Identify specific pollutants, if known  
manure by-products

#### 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