

SITE INFORMATION

Site Identifier : SU6LB3 **Landowner Type :** Federal
Site Name : Harriet creek channel **Landowner Name :** USFS
WRIA : 03.0896X **Address :**
Region : NS **Address2 :**
Trib to : Harriet Cr **City :**
River Mile : 0.02 **State :**
River System : Suiattle R **Zipcode :**
Legal Description : NE1/4S19T32NR12E **Phone :**
County : Snohomish
Habitat Type :

Directions :

Take forest service # 26 up the Suiattle river, turn right onto forest service # 25 and follow to Lime creek. Just before Lime creek is an abandoned road to the left that crosses the upper end of the site.

Area Overview :

Site is a classic natural groundwater channel that flows all year, has extremely good cover in the form of aquatic vegetation, thick overhanging brush and abundant woody debris, and provides great spawning conditions.

Field Survey Information

Date : 07/18/1995 **Observer :** Barkdull **Survey Type :** initial

HABITAT INFORMATION

Water Source: Spring Groundwater Surface runoff

Flow: Intermittent Year-round

Estimated Flows (cfs): Lower end: 2.0
Upper end: 0

Water Temperature(C): Lower end: 12
Upper end:

Receiving Water Temperature (C):

Other Observations:

Site Area Measurements: Indirect Direct Combination

Widths: Channel: 5.0 Ponds: Wetlands:

Depths: Channel: 0.1 Ponds: Wetlands:

Total length (includes ponds and wetlands): 365

Total existing habitat area (est. m2): 1227

Spawning area: Mainstem: 500 Tribs: Total:

Impounded area: Mainstem: Tribs: Total:

Other rearing area: Mainstem: 1227 Tribs: Total:

Unaccessible habitat: Mainstem: Tribs: Total:

Spawning habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat: Abundant patch gravel of coarse sand to one inch

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat: Shallow, low gradient habitat with dense water celery, thick streamside brush, and abundant woody debris.

Describe unaccessible habitat:

Wetland type: Bog Marsh Scrub-shrub Forested

Describe:

Flooding potential: Low Medium High

Describe: Site does not appear to ever been flooded

FISH INFORMATION

Site entry condition: Poor Fair Good

Describe: Site enters near the mouth of Harriet creek which is low gradient at this point and flows into a river side channel.

Coho access and use: Juvenile Unknown None Poor Fair Good
Adult Unknown None Poor Fair Good

Describe: Tremendous numbers of juveniles observed, and coho redds have been observed.

Other species access and use: Chum Pink Sockeye Res. Trout Anad trout

Describe: Adult pinks have been observed, as have steelhead redds.

ENHANCEMENT OPPORTUNITIES: It may be possible to lengthen this channel 200 m. with only minor effort or disturbance. Water is backed up in the winter behind the road crossing and I believe if someone were to excavate down only two feet or so groundwater could be tapped into. Since pinks, coho and steelhead already use this site, I believe the site would get immediate use if the spawning area were to be increased.

Project type: Groundwater channel addition

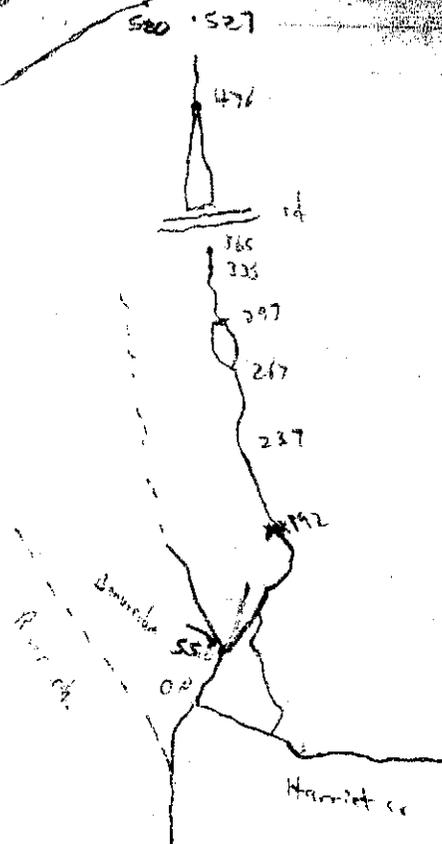
Equipment access: Very good via abandoned road

ADDITIONAL COMMENTS: This site is a fine example of a natural groundwater channel.

ATTACHMENTS AVAILABLE

Aerials Sketch Maps Spawning Surveys Juvenile Trapping
 Other References

S46LB3
 NE 19 T32N R12E
 RM 20.35



7/15/95 Harriet cr. ch.
 170. Ave. width 25' sand/silt
 550. W 25' multiple beds, trib RB
 100.0 W 20 patch gr. obvious use
 192.0 W 10 patch gr. old Beaver dam
 Some Boulders, silt cr. similar
 237. W 10 Next to hill, patch gr.
 267. W 10 No more gravel
 297. W 10 split ch. ponded area
 319. W/S. Coke present
 335. W/B end of fish
 365. end of water
 390. opp edge of old pond
 476. end of pond covered/moss
 Flowing water
 487. end of water
 527. end of scale
 580. to River