

SITE INFORMATION

Site Identifier : HN1LB5 **Landowner Type :** County
Site Name : **Landowner Name :** Skagit Co.
WRIA : 03.0270X **Address :**
Region : NS **Address2 :**
Trib to : 03.0270 **City :**
River Mile : 0.01 **State :**
River System : Hansen Cr **Zipcode :**
Legal Description : NW1/4S8T35NR5E **Phone :**
County : Skagit
Habitat Type : spring creek

Directions :

Drive to the Northern State facilities in Sedro Woolley and make your way to the bridge over Hansen Creek. Go over the bridge and turn left. There will be a culvert where 03.0270 crosses under the road as you turn left. This trib follows the ditch line for 68 meters and enters 03.0270 just above the culvert.

Area Overview :

This is a very unique site in that it originates as a spring that flows across the top of a bench for some distance before dropping into a very defined swale forming a long, thin, skunk cabbage, cattail, watercress and willow marsh, with no defined channel, that has about a one percent slope. It then outlets into a roadside ditch before entering 03.0270

Field Survey Information

Date : 3/5/98 **Observer :** Barkdull **Survey Type :** initial

HABITAT INFORMATION

Water Source: (x) Spring () Groundwater () Surface runoff

Flow: () Intermittent(x) Year-round

Estimated Flows (cfs): Lower end:0.3
Upper end:0.3

Water Temperature(C): Lower end:9
Upper end:9

Receiving Water Temperature (C):8

Other Observations:

Site Area Measurements: () Indirect (x) Direct () Combination
 Widths: Channel: 1.0 Ponds: Wetlands:10.0
 Depths: Channel: 0.1 Ponds: Wetlands:0.1
 Total length (includes ponds and wetlands):420

Total existing habitat area (est. m2):2331

Spawning area:	Mainstem:20	Tribs:	Total:20
Impounded area:	Mainstem:2162	Tribs:	Total:2162
Other rearing area:	Mainstem:169	Tribs:	Total:169
Unaccessible habitat:	Mainstem:200	Tribs:	Total:200

Spawning habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat: On the alluvial fan where the spring enters the swale is a short stretch of angular gravel with a heavy dose of fines.

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat: In the lower end it is an open ditch with no cover, at the upper end is a short stretch that is an alluvial fan that transitions into cascades.

Describe unaccessible habitat: A marshy channel in a grassy field.

Wetland type: Bog Marsh Scrub-shrub Forested

Describe: Site has thick willows with skunk cabbage, watercress and in patches cattails.

Flooding potential: Low Medium High

Describe: Site is spring-fed and out of the flood plain of the neighboring creeks

FISH INFORMATION

Site entry condition: Poor Fair Good

Describe: The lower 68 meters of this site flow in a narrow ditch with several drops that are passage barriers to juvenile fish.

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

Describe: No coho were observed on the day of the survey, but Harry Taggart of the Regional Enhancement Group has observed adults literally crawling up the ditchline to access the site.

Other species access and use: Chum Pink Sockeye Chinook Trout

Describe: Resident trout observed the day of the survey

ENHANCEMENT OPPORTUNITIES

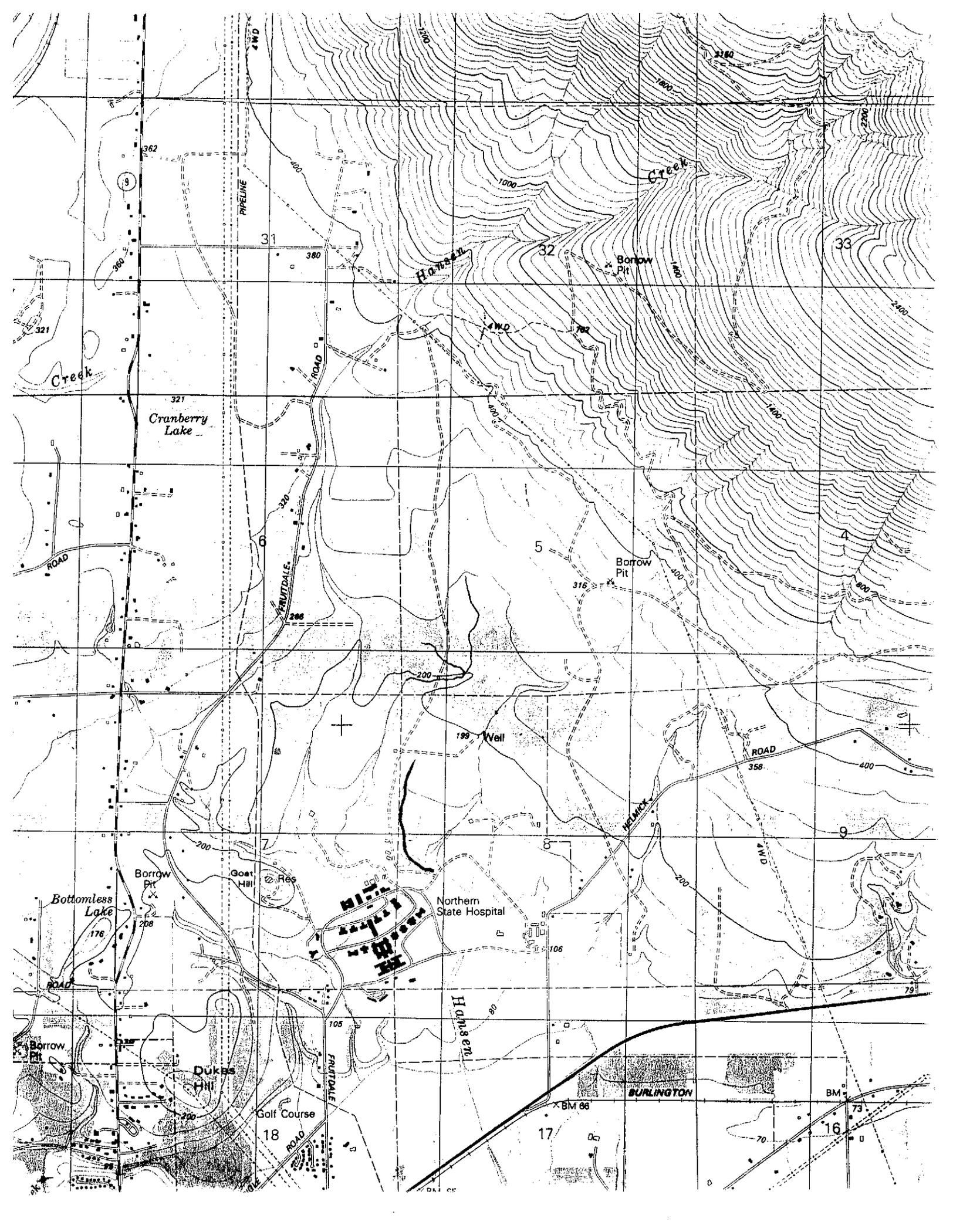
Project type: Access improvement and channel rehabilitation

Equipment access: Good

ADDITIONAL COMMENTS: The lower 68 meters of this site flows along a ditchline that is very narrow and has several drops that are barriers to juvenile fish. Widening the channel and controlling the gradient with plank controls would provide reliable access to the exceptional rearing habitat located above.

ATTACHMENTS AVAILABLE

Aerials Sketch Maps Spawning Surveys Juvenile Trapping
 Other References

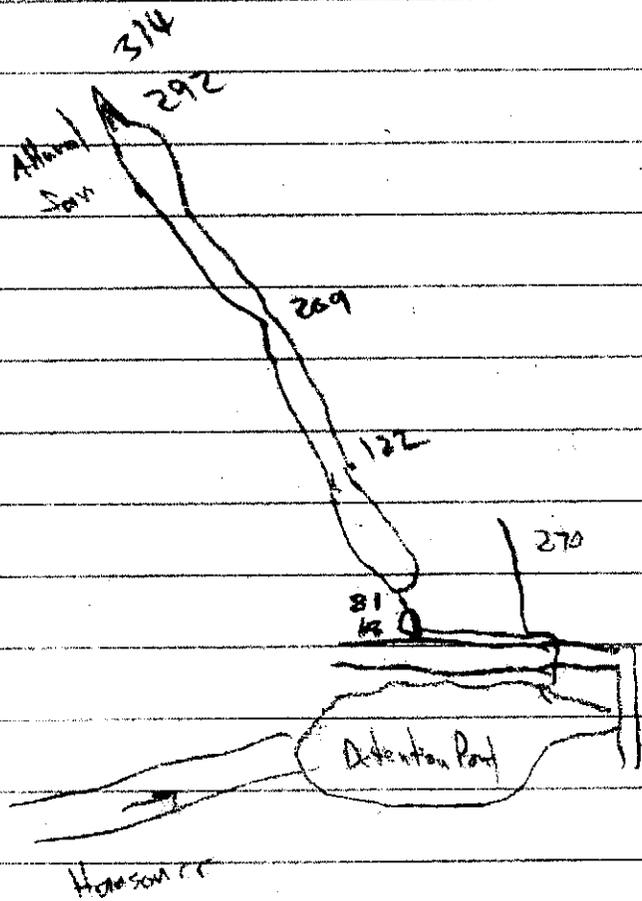


31328 Small RB Ditch trib to 270
 Just above Detention Pond trib 48° 270
 0:0.3 cascades first bn 0.3 cfs
 10 0.3 cascades, poor access
 68 2.0 End of Ditch Pond above
 81 4.0 Pond, Just above meadow
 122 10.0 Pond swampy area w/ water access
 cattails & Shank cabbage
 209 10.0 Swampy shallow 2%
 292 10.0 Swampy 4% gradient
 314 1.0 Alluvial fan, cascades
 320 1.0 no more access
 ~100 more meters bubbles out of
 ground

HMLB5

SW8, T35N, R5E

Rm 0.01 to 0270



- 3/18/88 Small RB Ditch to 270
 Just above Detention Pond to 48° 270
- | | | |
|-----|------|---------------------------|
| 0 | 0.3 | Cascades first on 0.3 cfs |
| 10 | 0.3 | Cascades, poor access |
| 68 | 2.0 | End of Ditch Pond above |
| 81 | 4.0 | Pond, Just above neckdown |
| 122 | 10.0 | Pond, Swampy area |