

SITE INFORMATION

Site Identifier :	CF4LB4	Landowner Type :	Private
Site Name :		Landowner Name :	
WRIA :	03.0191X	Address :	
Region :	NS	Address2 :	
Trib to :	03.0191	City :	
River Mile :	0.80	State :	
River System :	Carpenter/Fisher	Zipcode :	
Legal Description :	SE1/4S34T33NR4E	Phone :	
County :	Snohomish	Coordinates	
Habitat Type :	wetland	East:	1,567,855.00 North: 1,086,207.00

Directions :

From the Starbird Rd and Bulson Rd intersection, go east on Starbird Rd for 1.6 miles to the site as it crosses under the road just south of the county line.

Area Overview :

This site has a small, spring-fed marsh at the base of a hill and offers 1635 square meters of rearing habitat for juvenile salmonids.

Field Survey Information

Date : 1/9/01 Observer : Olis Survey Type : initial

HABITAT INFORMATION

Water Source: Spring Groundwater Surface runoff

Flow: Intermittent Year-round

Estimated Flows (cfs): Lower end: 0.2
Upper end: none

Water Temperature(C): Lower end: 5.0
Upper end: 5.8

Receiving Water Temperature (C): 5.8

Other Observations:

Site Area Measurements: Indirect Direct Combination
Widths: Channel: 1m Ponds: Wetlands: 10m
Depths: Channel: 20cm Ponds: Wetlands: 0.5m
Total length (includes ponds and wetlands): 272m

Total existing habitat area (est. m2): 1635

Spawning area:	Mainstem:	Tribs:	Total:
Impounded area:	Mainstem:	Tribs:	Total:
Other rearing area:	Mainstem: 1635	Tribs:	Total:
Unaccessible habitat:	Mainstem:	Tribs:	Total:

Spawning habitat conditions: None Poor Fair Good Excellent

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Describe spawning habitat:

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat: The initial 26 meters is in a 1m wide channel, it has a mud/silty substrate and is at 4% grade. From 26 meters to the culvert at 122 meters, the gradient increases to 7% and it is mostly riffled. The creek is in a small, forested draw and has good brushy cover to this point. Above the culvert and the road, there is a marshy area that is located at the base of a hill and in a pasture.

Describe inaccessible habitat:

Wetland type: Bog Marsh Scrub-shrub Forested

Describe: The small marsh is in a pasture and is situated at the base of a hill in a small hollow. There is canary grass and rush present.

Flooding potential: Low Medium High

Describe: This site is spring fed and appears to have relatively constant flows. The mainstem is small at this point and poses no threat to this site.

FISH INFORMATION

Site entry condition: Poor Fair Good

Describe: There is pooled water at the entry area.

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

Describe: This site is accessible to both juveniles and adults but is more suited for juvenile rearing.

Other species acces and use: Chum Pink Sockeye Chinook Trout

Describe: The site is accessible to trout also. There was a juvenile salmonid observed in the culvert under Starbird Rd.

ENHANCEMENT OPPORTUNITIES: The culvert under Starbird Rd is a partial barrier and could be repaired to facilitate juvenile fish passage to the small marsh upstream. The marsh itself could be fenced to keep livestock out of it and some trees planted along the marsh edges would help revegetate the site and provide shade.

Project type:

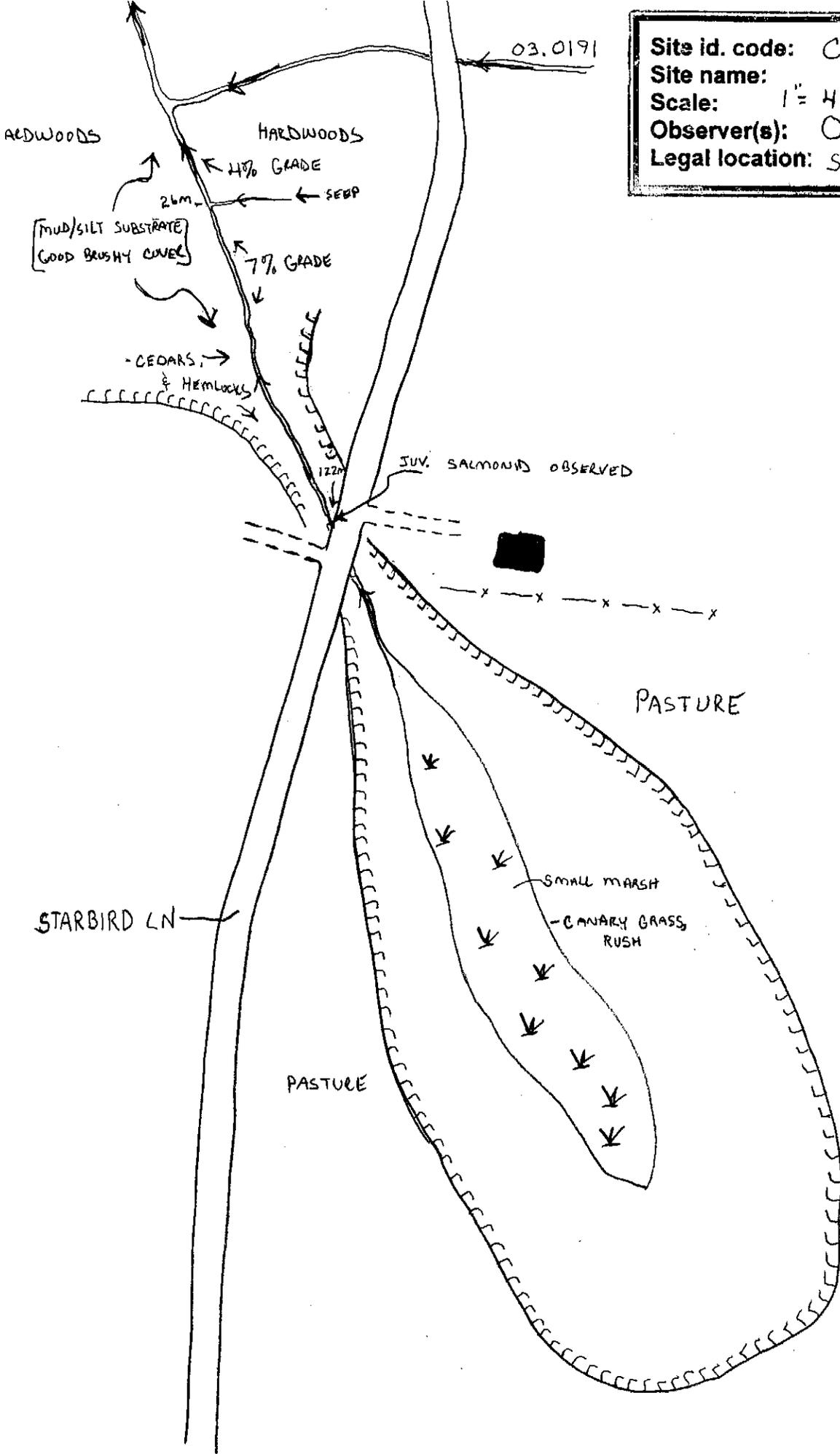
Equipment access:

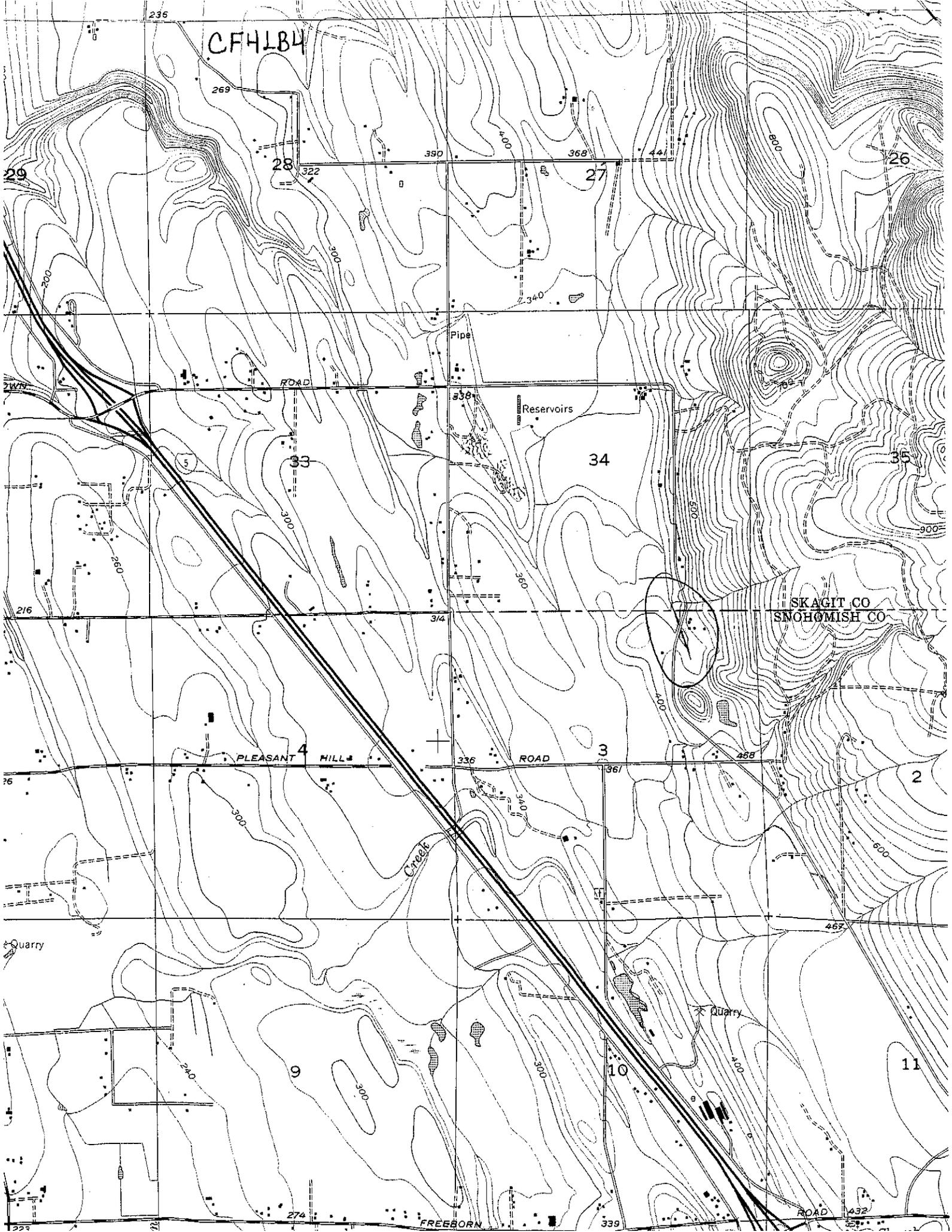
ADDITIONAL COMMENTS: The survey was ended at the upstream end of the small marsh.

ATTACHMENTS AVAILABLE

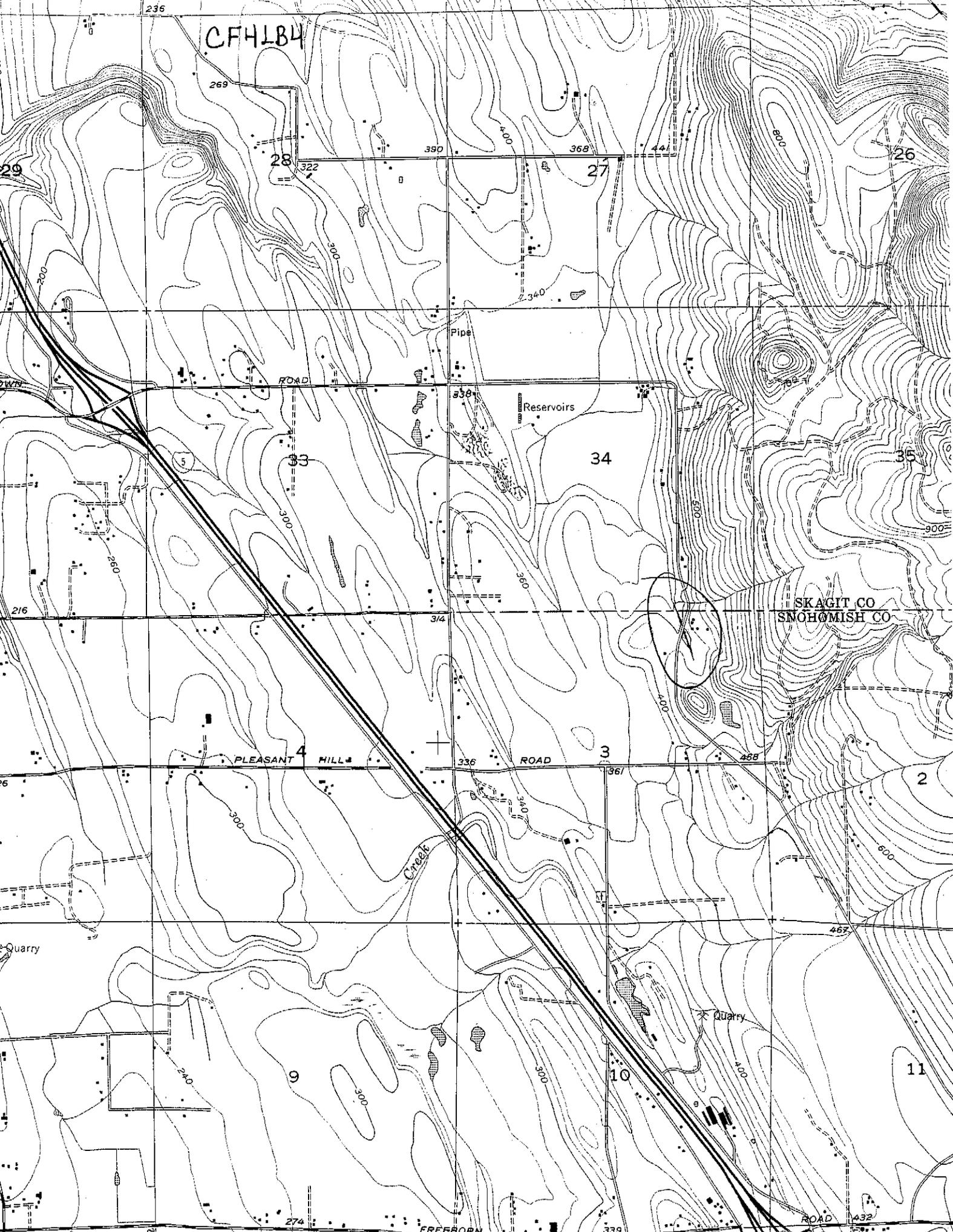
Aerials Sketch Maps Spawning Surveys Juvenile Trapping
 Other References

Site id. code: CF42B4
Site name:
Scale: 1" = 40M
Observer(s): OLS
Legal location: SE 1/4 S34 T33N R4E





CFH1B4



SKAGIT CO
SNOHOMISH CO

CFH1B4

PLEASANT HILL

ROAD

Creeks

Reservoirs

Quarry

Quarry

269

28

322

350

368

441

26

34

35

216

314

3

468

2

26

300

340

467

500

11

222

274

FREEBORN

339

ROAD

432

529

CF4LB4

Rm 0.8

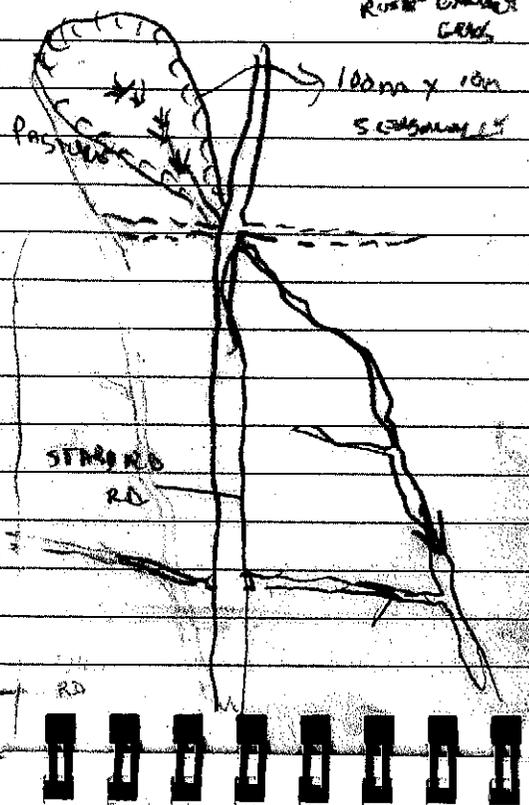
SE 1/4 S34T33N R4E

TRIB TO 03.0191

X- 1567855

Y- 1086207

1-9-01



O.D. ENTRY

FLOW - 0.2 CFS

WT - 41° UP, 42.5°

RWT - 42.5°

ACCESS -> GOOD

26m WLL 1m

- MUD/SILT SUBSTR

- 4.7% GRADE

- BRUSHY

- SMALL STEP ON

RB 0.7m x 20m LOU

- VERT SLOW-MATERIAL

122m WLL 0.8m

- 7% CL. MOSTLY RIFT

122m...

- 5m ABOVE OR
GRAVEL IN SUBSTR.
- @ CULVERT AND
STAGGED OR PD
- (@ 86 m TOE OF
HILL ON LB)
- JUV SALMO OBSERVED @
MOUTH OF CULVERT

12m... ABOVE CULV.

- WV 1m
- @ BASE OF MARSH
& PASTURE

COMMENTS

- NO SPAWNING HAB
- LOW FLOOD
- JUV. SALMO OBSERVED
IN STAGGED OR CULVERT
- GOOD REARING