SITE INFORMATION

Site Identifier : SK7LB2
Site Name : Big Nettle Pond
WRIA : 03.0176X
Region : NS
Trib to : Skagit
River Mile : 40.10
River System : Skagit R
Legal Description : NW1/4S4T35NR6E
County : Skagit
Habitat Type : terrace tributary

Landowner Type : Private
Landowner Name :
Address :
Address2 :
City :
State :
Zipcode :
Phone :

Coordinates
East: 1,640,583.90 **North:** 1,163,775.44

Directions :
Take the South Skagit Highway to Cumberland Creek. Site is located one half mile above along side the road.

Area Overview :
Site is a short reach of brushy stream that is partially inaccessable due to the culvert under the highway.

Field Survey Information

Date : 9/20/90 **Observer :** Harvester **Survey Type :** initial

HABITAT INFORMATION

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

Flow: ( ) Intermittent (x) Year-round

Estimated Flows (cfs): Lower end: 1.0
Upper end: 1.0

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

Receiving Water Temperature (C):

Other Observations:

Site Area Measurements: ( )Indirect (x) Direct ( ) Combination
Widths: Channel: 1.0 Ponds: Wetlands:
Depths: Channel: 0.1 Ponds: Wetlands:
Total length (includes ponds and wetlands): 165

Total existing habitat area (est. m2): 510
Spawning area: Mainstem: 0 Tribs: Total:
Impounded area: Mainstem: 0 Tribs: Total:
Other rearing area: Mainstem: 510 Tribs: Total: 510
Unaccessible habitat: Mainstem: Tribs: Total:

Spawning habitat conditions: (x) None ( ) Poor ( ) Fair ( ) Good ( ) Exellent

Describe spawning habitat:

Nov 1990 flood appears to have reached only to top of South Skagit highway, with no flood damage to area. I believe a project as proposed by Perry Harvester could be built. Ensuring access to the site would be most beneficial.

Describe spawning habitat:

Rearing habitat conditions: ( ) None ( ) Poor (x) Fair ( ) Good ( ) Exellent

Describe pond and other rearing habitat: Small amount of moderate grade stream with good cover.

Describe unaccessible habitat:

Wetland type: ( ) Bog ( ) Marsh ( ) Scrub-shrub ( ) Forested

Describe:

Flooding potential: (x) Low ( ) Medium ( ) High

Describe: Pond may become back watered during flooding in Skagit. The south skagit highway acts as a berm protecting the pond site from flooding. If pond does become back watered currents would be low enough to minimize damage to a project.

FISH INFORMATION

Site entry condition: (x) Poor ( ) Fair ( ) Good

Describe: Steep grade to culvert prevents fish access except at high river flows.

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

Describe:Fish access was not possible on survey date, but access is possible during moderate to high winter flows. No current spawning gravel exists, but juvenile coho were observed above the road in the outlet stream and small pools.

Other species access and use: ( ) Chum ( ) Pink ( ) Sockeye ( ) Chinook ( ) Trout

Describe: Trout use possible but unknown.

ENHANCEMENT OPPORTUNITIES

Project type: Pond creation and access improvement.

Equipment access: Good

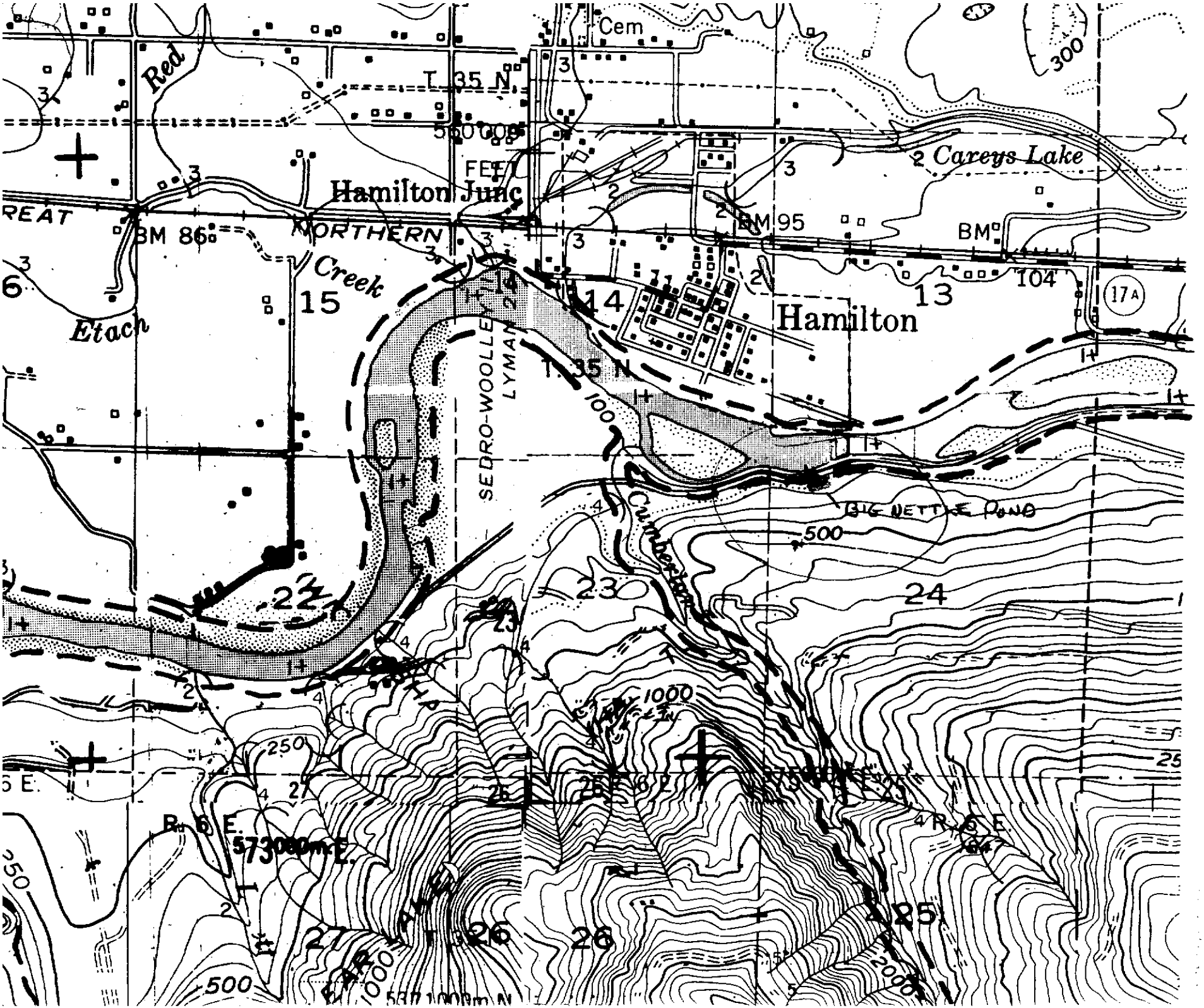
ADDITIONAL COMMENTS: Excavation and enlargement of the existing pond and marsh area could provide 0.84 acre of coho rearing habitat. Access roads would need to be constructed on the high ground to provide stable access for heavy equipment. During summer months a barrier exists in the outlet channel below the road. A 3ft high cascade exists that could be cut back, and treated planks weirs could be installed to create passage for juveniles and adult during low flow periods

ATTACHMENTS AVAILABLE

(x) Aerials (x) Sketch (x) Maps ( ) Spawning Surveys ( ) Juvenile Trapping
( ) Other References

Field Survey Information

Date : 8/16/91 **Observer :** Barkdull **Survey Type :** initial



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SKAGIT RIVER

BIG NETTLE POND

SK.7 LB.4

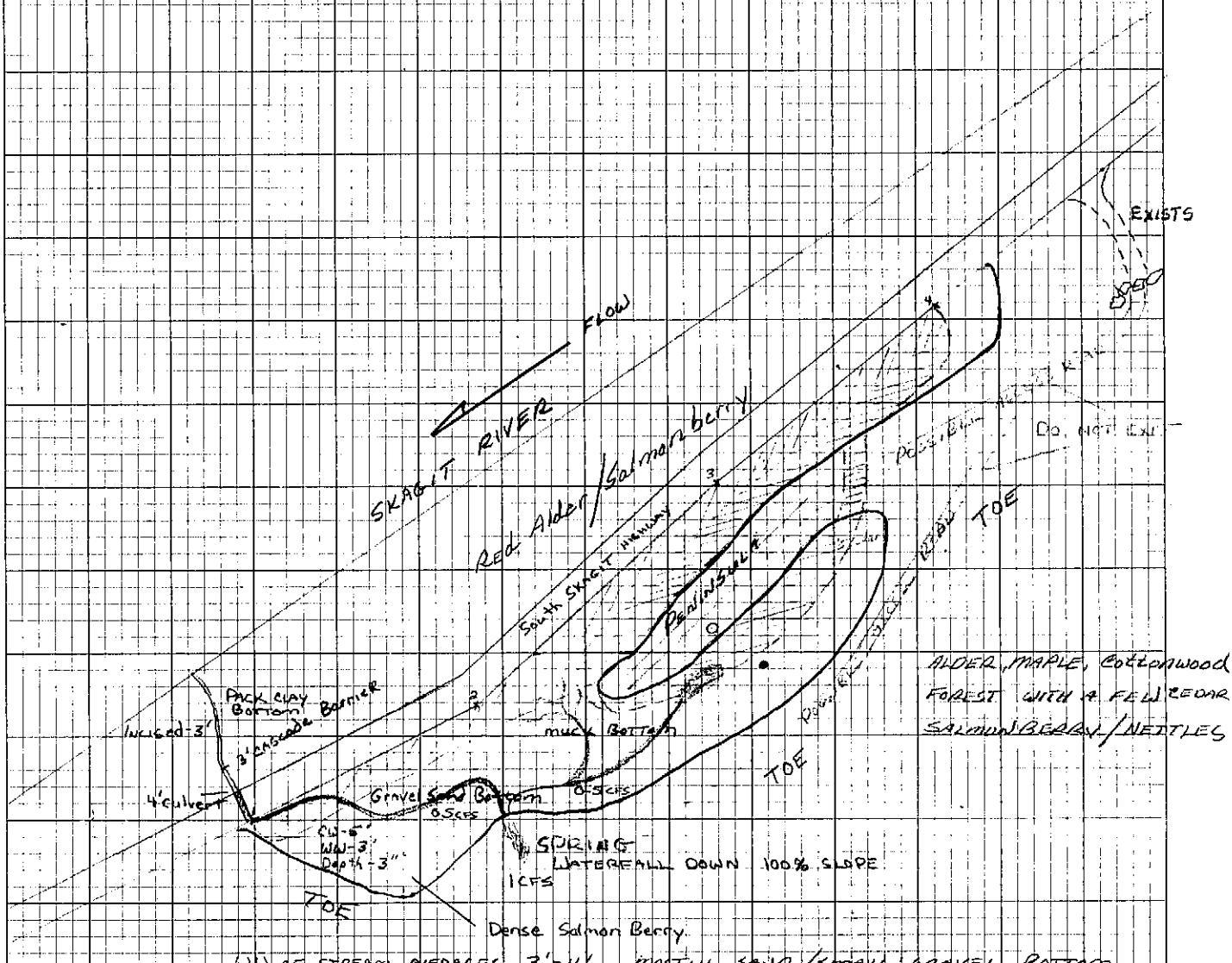
9-20-90

R HARVESTER

TOTAL AREA: (PROPOSED) 36,500 ft² = 0.84 ACRE

N (MAGNETIC)

Scale 1": 100'



10 Squares to the Inch

sk7 LB2

SITE IDENTIFIER: ~~SK7LB4~~
LOCAL NAME: BIG NETTLE POND

NORTH SOUND OFF CHANNEL SITE INVENTORY DATA
POND DATA SUPPLEMENT

RIVER: Skagit SURVEY DATE: 9-20-90 OBSERVER: PH

POND DIMENSIONS: LENGTH: 510ft

WIDTH: 120ft

AVERAGE DEPTH: 2 to 3" deep

MAXIMUM DEPTH: 8-10"

WATER SOURCE: Spring source, Waterfall, See map

WATER QUALITY: Appears Excellent

WATER TEMP.: INLET: 53f OUTLET: 53f

ESTIMATED INFLOW (CFS): 1cfs OUTFLOW (CFS): 0.5 cfs Through culvert 0.5cfs Perk under the road.

TYPE AND AMOUNT OF IN-POND COVER: Excellent instream vegetation and L.O.D. in the pond

FISH ACCESS AND CURRENT USE (ADULT & JUV.): Fish access was not possible on survey date, But access is possible during mod to high winter flows. No current spawning gravel exists, But juvenile coho were observed above the road in the outlet stream and small pools.

BEAVER ACTIVITY: None observed.

FLOODING POTENTIAL/EVIDENCE/BACKWATERED: Pond may become back watered during flooding in skagit. The south skagit hwy acts as a berm protecting the pond site from flooding. If pond does become back watered currents would be low enough to minimize damage to a project.

ENHANCEMENT OPPORTUNITIES AND COMMENT: Excavation and enlargement of the existing pond and marsh area could provide 0.84 acre of coho rearing habitat. Access roads would need to be constructed on the high ground to provide stable access for heavy equipment. During summer months a barrier exists in the outlet channel below the road. A 3ft high cascade exists that could be cut back, And treated planks weirs could be installed to create passage for juveniles and adult during low flow periods.

NORTH SOUND OFF CHANNEL SITE INVENTORY DATA
SUBSEQUENT SITE EVALUATION FORM

RIVER Skagit OBSERVER BB 8-16-91
SITE IDENTIFIER Big Nettle Pond

SUBSEQUENT EVALUATIONS
Nov 1990 flood appears to have reached only to top of South Skagit highway, With no flood damage to area. I believe a project as proposed by Perry Harvester could be easily built.

SITE IDENTIFIER: SK.7 LB.4
LOCAL NAME: BIG NETTLE POND

NORTH SOUND OFF CHANNEL SITE INVENTORY DATA
POND DATA SUPPLEMENT

RIVER: SKAGIT SURVEY DATE: 9-20-90 OBSERVER: HARVESTER

POND DIMENSIONS: LENGTH: 510'

WIDTH: 120'

AVERAGE DEPTH: AVERAGES 2 TO 3 INCHES DEEP

MAXIMUM DEPTH: 8-10 INCHES

WATER SOURCE: SPRING SOURCE WATERFALL, SEE MAP

WATER QUALITY: APPEARS EXCELLENT

WATER TEMP.: INLET: 53°F OUTLET: 53°F

ESTIMATED INFLOW (CFS): 1 CFS OUTFLOW (CFS): 0.5 CFS THROUGH CULVERT
0.5 CFS PERKS UNDER THE ROAD

TYPE AND AMOUNT OF IN-POND COVER:
EXCELLENT INSTREAM VEGETATION AND L.O.D. IN THE POND.

FISH ACCESS AND CURRENT USE (ADULT & JUV.): ACCESS IS POSSIBLE DURING MOD. TO HIGH WINTER FLOWS.
FISH ACCESS WAS NOT POSSIBLE ON SURVEY DATE BUT NO CURRENT SPAWNING GRAVEL EXISTS BUT JUVENILE COHO WERE OBSERVED ABOVE THE ROAD IN THE OUTLET STREAM AND SMALL POOLS.

BEAVER ACTIVITY: NONE OBSERVED

FLOODING POTENTIAL/EVIDENCE/BACKWATERED: POND MAY BECOME BACK-WATERED DURING FLOODING IN SKAGIT. THE S. SKAGIT HWY ACTS AS A BERM PROTECTING THE POND SITE FROM FLOODING. IF POND DOES BECOME BACKWATER CURRENTS WOULD BE LOW ENOUGH TO MINIMIZE DAMAGE TO A PROJECT

ENHANCEMENT OPPORTUNITIES AND COMMENT:
EXCAVATION AND ENLARGEMENT OF THE EXISTING POND AND MARSH AREA COULD PROVIDE ~0.84 ACRE OF COHO REARING HABITAT. ACCESS ROADS WOULD NEED TO BE CONSTRUCTED ON THE HIGH GROUND TO PROVIDE STABLE ACCESS FOR HEAVY EQUIPMENT

DURING SUMMER MONTHS A BARRIER EXISTS IN THE OUTLET CHANNEL BELOW THE ROAD. A 3' HIGH CASCADE EXISTS THAT COULD BE CUT BACK, AND TREATED PLANK WEIRS COULD BE INSTALLED TO CREATE PASSAGE FOR JUVENILES AND ADULTS DURING LOW FLOW PERIODS

NORTH SOUND OFF CHANNEL SITE INVENTORY DATA
SUBSEQUENT SITE EVALUATION FORM

RIVER: OBSERVER: B. Barkdull 8/15/91
SITE IDENTIFIER: Big Nettle Pond

SUBSEQUENT EVALUATIONS:

Nov. 1990 flood Appears to have reached only to top of S. Skagit highway, with No flood damage to Area. I believe a project as proposed by P. Harvester could be easily built.