STATE OF WASHINGTON
DEPARTMENT OF FISH & WILDLIFE
HABITAT PROGRAM
Salmonid Screening, Habitat Enhancement &
Restoration Division (SSHEAR)

OFF-CHANNEL SITE INVENTORY DATA

General Information:

Region: North Coast

Observer: Nettnin

River System: M.F. Dickey

Date: 3/29/95

Site Identifier: MD-R1-01

WRIA: 20.0145 E

River Mile Location: 1.0 mi.

RB/LB: RB

Local Name: Pseudo Springs

Trib. to: M.F. Dickey (20.0145)

Legal Description: SW¼ Sec 22 T30N R14W

County: Clallam

Habitat Type: Terrace tributary

Landowner: () Federal (**X**) State () County () Other Government () Private
Dept of Natural Resources

Directions to site:

Go north from Forks on Hwy 101 about 8.4 mi. then turn left at the Lake Pleasant Grocery Store (0.4 mi. north of MP 200) onto Lake Pleasant Road. Stay on the main road going past the community park and across the Lake Cr. bridge. Turn right and continue up the county road (along the NW shore of the lake) to the end of the pavement. This road then becomes the 9000 line. Continue on the 9000 for 16.5 mi. to the jct of the D-5000. Turn onto the D-5000 for about 1.5 mi. Just before the W.F. Dickey River there are two roads very close to one another to the left. Take the first one which is an old R.R. grade. One can only drive about 0.25 mi. at this time. Park and walk down the grade about 0.25 mi. to a junction, bear right and continue on for about 0.4 mi. to where the grade crosses a marsh. This is MD-R1-01.

Area Overview:

This trib sources in a mid terrace area and is a result of surface run-off and springs. It flows across the terrace, through an impounded wetland before it cuts down through the terrace to the M.F. Dickey River. It drains approximately 80 acres of second growth conifer.

Habitat Information:

Water sources: Surface runoff

Intermittent/year-around: Unknown, probably intermittent

Estimated flows (cfs): Lower end: 0.1 - 0.2 Upper end: 0.01 - 0.03

Water temperatures: Lower end: 7.5°C Upper end: 7.0°C

Adjacent stream temperature (M.F. Dickey 20.0145): 8.5°C

Other water observations: Tannic colored

Site area measurements: () Indirect () Direct (X) Combination

Widths:	Channel- 0.1 - 1 m	Ponds- 10 - 12 m	Wetlands- 30 - 40 m
Depths:	Channel- 10 - 15 cm	Ponds- 0.5 - 1 m	Wetlands- 15 - 30 cm

Total length (includes ponds and wetlands): 300 m

Total existing habitat areas (est.):

Spawning area:	Mainstem 80 m^2	Tribs 0 Total 80 m^2
Impounded area:	Mainstem 800 m^2	Tribs 0 Total 800 m^2
Other rearing area:	Mainstem 140 m^2	Tribs 0 Total 140 m^2

Spawning Habitat conditions: () None (X) Poor () Fair () Good () Excellent

Describe spawning habitats:

- A mix of cobble and gravel in the lower 100 m provide the only opportunity for spawning.
- Average flows may be so low that spawning will have to take place during freshets.

Rearing habitat conditions: () None () Poor () Fair (X) Good () Excellent

- Presently, most of the rearing area is blocked by impasses located where the two grades cross the stream.
- The channel above the marsh has good rearing opportunities. It has numerous pools around woody debris and under banks.
- Stream side cover is provided by salmonberries and salal.
- Good shade is created by a 20 - 30 year old mixed forest.

Describe pond and other rearing habitats:

- The pond is about 10 m wide, 80 m long and 60 cm deep.
- It lacks cover in the middle but the shore line has stumps, sedges and some overhanging shrubs.

Describe unaccessible habitats:

- 800 m^2 of pond, 70 m^2 channeled marsh and 70 m^2 of channel.
- A combination of a plugged culvert or the lack of a culvert, excessive woody debris, and excessive rock greatly restrict or totally block most of this stream from fish use.

Describe wetlands: () Bog (X) Marsh () Scrub-shrub Wetland () Forested Wetland

- The marsh is about 30 - 40 m wide and about 200 m long.
- About 30 m above the pond there is a sudden rise in the wetland, with a continuation of wetland above this berm like feature. It has the appearance of an old grade but seems unusually wide. There is some open water above the berm, however most of the habitat consists of channelized wetland.
- Water cascades over the berm and flows through it in places. None of these egresses appear to provide clear passage.
- There is fresh beaver activity.
- Plants that are present include but not limited to: wooly sedge (Scirpus cyperinus), small-fruited bulrush (Scirpus microcarpus), slough sedge (Carex obnupta), soft rush (Juncus effusus), Spaghnum mosses.

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

- Site is located on a terrace above the river and is not influenced by a valley wall trib.

Fish Information:

Site entry condition to M.F. Dickey: () Poor () Fair (X) Good

- The channel egresses into a bay like feature that creates quiet water.

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

- Juvenile access is inhibited by a series of small cascades that may form a velocity barrier at certain flows. During high water, the M.F. Dickey will back water the most significant of these cascades.
- Adult access is open but limited to high flows or freshets.
- A fish was observed below the blockage but the species could not be determined.

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

- It is not known if trout use this site.
- Other species such as trout would have similar access problems.

Habitat Improvements:

Enhancement opportunities:

Possible project type: Fishway/control/spawning pad
Equipment access: Good access along old grade; need to check for bad spots.
Potential benefit: Remove barriers to fish migration and maintain overwinter rearing pond.

Additional Comments:

Attachments Available:

Contact a respective SSHEAR habitat biologist for the following checked items:

(X) Aerials	(X)Sketch	(X) Maps	(X) Culvert Report
( ) Other references	( ) Spawning surveys	( ) Juvenile trapping	( ) Fishway Report

Date: July 2002

The WDFW construction crew removed an undersized plugged culvert from an old logging road and installed a series of wooden streambed controls where the channel crosses the grade. The uppermost control was set at the elevation of the existing water surface of the pond that had formed upstream from the grade when the culvert plugged many years ago. The other controls were spaced evenly downstream at one foot drops. A mix of boulders, cobble, gravel, sand and silt was placed in the area between the controls to create a roughened channel so fish could migrate upstream through this steep section.

DOC: MD-R1-01

DATE: 11/7/02 **OBSERVER:** King

Still not flowing.

DATE: 11/20/02 **OBSERVER:** King

Nice flow. Pair of coho spawning at the pond outlet.
GPS: (decimal degrees, Datum WGS84):
road crossing - N48.08414, W124.49300

DATE: 4/24/03 **OBSERVER:** King

Project looks good. There is fry in the channel.

DATE: 10/22/03 **OBSERVER:** Nettnin

Looks good.

WDFW FISH PASSAGE REPORTING FORM

LEVEL I - Facility/Barrier Identification

(1) CHECK ONE: [ ] Existing Fishway (includes baffled culverts)
[X] Man-made Fish Passage Problem

(2) STREAM: Pseudo Springs

(3) WRIA#/RM: 20.0145E RB/RM 0.7

(4) TRIBUTARY TO: M.F. Dickey River

(5) LEGAL(S,T,R): SW¼ Sec 22 T30N R14W

(6) LATITUDE/LONGITUDE:

(7) MILEPOST/ROAD: Go north from Forks on Hwy 101 about 8.4 mi. then turn left at the Lake Pleasant Grocery Store (0.4 mi. north of MP 200) onto Lake Pleasant Road. Stay on the main road going past the community park and across the Lake Cr. bridge. Turn right and continue up the county road (along the NW shore of the lake) to the end of the pavement. This road then becomes the 9000 line. Continue on the 9000 for 16.5 mi. to the jct of the D-5000. Turn onto the D-5000 for about 1.5 mi. Just before the W.F. Dickey River there are two roads very close to one another to the left. Take the first one which is an old R.R. grade. One can only drive about 0.25 mi. at this time. Park and walk down the grade about another 0.25 mi. to a junction, bear right and continue on for about 0.4 mi. to where the grade crosses a marsh. This is MD-R1-01.

(8) DESCRIPTION OF FISHWAY, FACILITY: NA

(9) DESCRIPTION OF BARRIER: Culvert buried or none was installed. Fish can pass only when water over tops the grade. The grade is abandoned. (Potential project by SSHEAR)

(10) OWNER: Dept of Natural Resources

(11) FISH ACCESS UP TO BARRIER VERIFIED/PRIMARY SPECIES: A fish was observed in the pool below the blockage.

(12) HABITAT AVAILABLE ABOVE FISHWAY OR BARRIER: There is 160 m of Impounded marsh and 100 m of rearing stream habitat (1020 m^2)

(13) IDENTIFIED BY (agency/organization): WDFW - SSHEAR

(14) SUBMITTED BY/DATE OBSERVED: Nettnin 3/95

(15) INVENTORY DESCRIPTOR: MD-R1-01

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LEVEL II - Culvert/Barrier Description

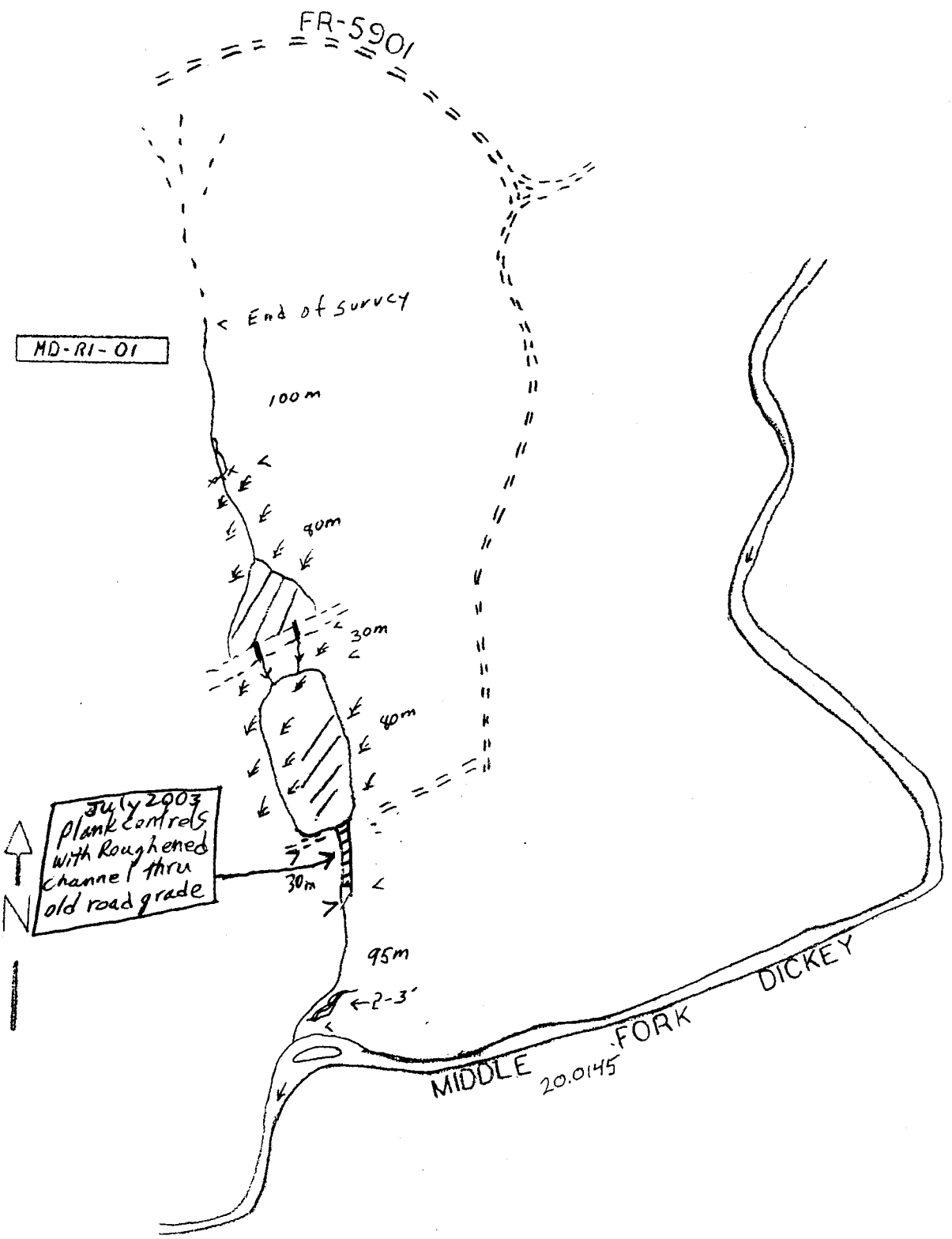
CULVERT:

(16) TYPE (Indicate number of each):
(17) LENGTH: buried
(18) DIAMETER: buried

[ ] concrete round
[ ] concrete box
[ ] smooth steel pipe
?[X] CMP - Round
[ ] CMP - Arch or Ellipse
[ ] Other:

(19) WATER DEPTH: (20) SLOPE: (21) VELOCITY:

(22) OUTFALL DROP: DAM: (23) LENGTH: (24) HEIGHT:



RIVER: M.F. DICKEY

AREA: MD-R1
SITE: MD-R1-O1
NAME: PSEUDO SPRINGS

Date: 8/2002 Revised

RIVER: M.F. DICKEY

AREA: MD-R1

AREA MAP

DATE: 12/95