STATE OF WASHINGTON

DEPARTMENT OF FISH & WILDLIFE

LANDS AND RESTORATION SERVICES PROGRAM

Salmonid Screening, Habitat Enhancement &
Restoration Division (SSHEAR)

OFF-CHANNEL SITE INVENTORY DATA

General Information:

Region: North Coast

Observer(s): Nettnin

River System: Sol Duc River

Date: 3/24/00

Site Identifier: S-325R-05

WRIA: 20.0325F (P)

River Mile Location: 0.23

RB/LB: RB

Local Name: Unnamed

Trib. to: Rainey Creek (20.0325)

Legal Description: NE¼ Sec 20 T30N R12W

County: Clallam

Habitat Type: Spring Creek

Landowner: () Federal (X) State () County () Other Government (X) Private
- Unknown private
- Possible Department of Natural Resources

Directions to site: North from Forks on highway 101 to M.P. 203.9. Turn left onto SR 113 and follow for 2.1 miles. Pull into the wide parking area by Beaver Falls. Walk back down to the bridge and follow the left bank of Beaver Creek upstream to the second left bank tributary. This is Rainey Creek. Follow Rainey Creek upstream for 370 meters to S-325R-05.

Site Overview: This is a small spring fed system. It is part of a larger forested wetland complex that is located between Rainey Creek and the toe of the valley wall. This stream receives water from individual springs and from a series of beaver dams that impound both Rainey Creek and other spring creek tributaries.

Habitat Information:

Water source: Springs and seeps from the wetland

Intermittent/year-around: Intermittent

Estimated flows (cfs): Lower end: 30 - 40 g.p.m. Upper end: 5 - 10 g.p.m.

Water temperatures: Lower end: 6.5 °C Upper end: 6.5 °C

Adjacent stream temperature: 7.0 °C

Other water observations: Slightly tannic

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

Widths: Channel- 0.5 - 1.0 m Ponds- NA Wetlands- See wetland description
Depths: Channel- 5 - 10 cm Ponds- NA Wetlands- " " "
Total length surveyed (includes ponds and wetlands): 100 m

Total existing habitat area (est.): 150 m²

Spawning area: 00 m²
Impounded area: 00 m²
Other rearing area: 150 m²

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

Describe spawning habitat: None. Channel has a silt and sand substrate.

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

Describe pond and other rearing habitat:

- Lacks various components of in stream cover. There is some cover provided by aquatic plants and skunk cabbage.
- Salmonberry and alder provide overhead cover and shade (80% coverage).
- Channel has a gradient of 2%.

Describe unaccessible habitat: NA

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

- The lower reach of this channel flows through and receives ground water from to a large forested wetland complex. The overall dimensions of the wetland are approximately 700 m long and 200 - 400 m wide. This wetland drains into both Rainey Creek and Johnson Creek. There are eight channels that drain from the wetland into the lower 500 m of Rainey Creek. There are four channels that drain into lower 400 m of Johnson Creek.
- Alder is the predominant shade provider with some conifer mixed in. The canopy closure has a variety of ranges: dense closures of 90 - 100% over the area drained by the smaller tributaries, moderate closure of 40 - 60% along the mainstem reaches, and a total lack of a canopy in the open marsh and beaver pond areas.
- The under story is dense to moderate and is composed of primarily salmonberry, interspersed with stink berry and vine maple.

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

- May provide high water refuge.
- Receives over bank storage from S-325R-06 during high flows

Fish Information:

Site entry condition to Rainey Creek (20.0325): () Poor () Fair (X) Good

- Enters in a back watered braid.
- This area of the mainstream is braided due to beaver activity and alluvial deposits.

Coho access and use:

Juvenile- () Unknown () None () Poor () Fair (X) Good
Adult- () Unknown (X) None () Poor () Fair () Good

- Unidentified juvenile salmonid were observed during the inventory. They appeared to be both young of the year and 1+ parr.
- Coho spawning has been documented for the mainstem of Rainey Creek.

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

- Trout were not identified during the inventory. It is assumed that trout use this channel.
- Trout were observed in the mainstem.

Habitat Improvements:

Enhancement opportunities:

Possible project type

- Maintain the integrity of the channel and the overall wetland.

Equipment access: No

Additional Comments:

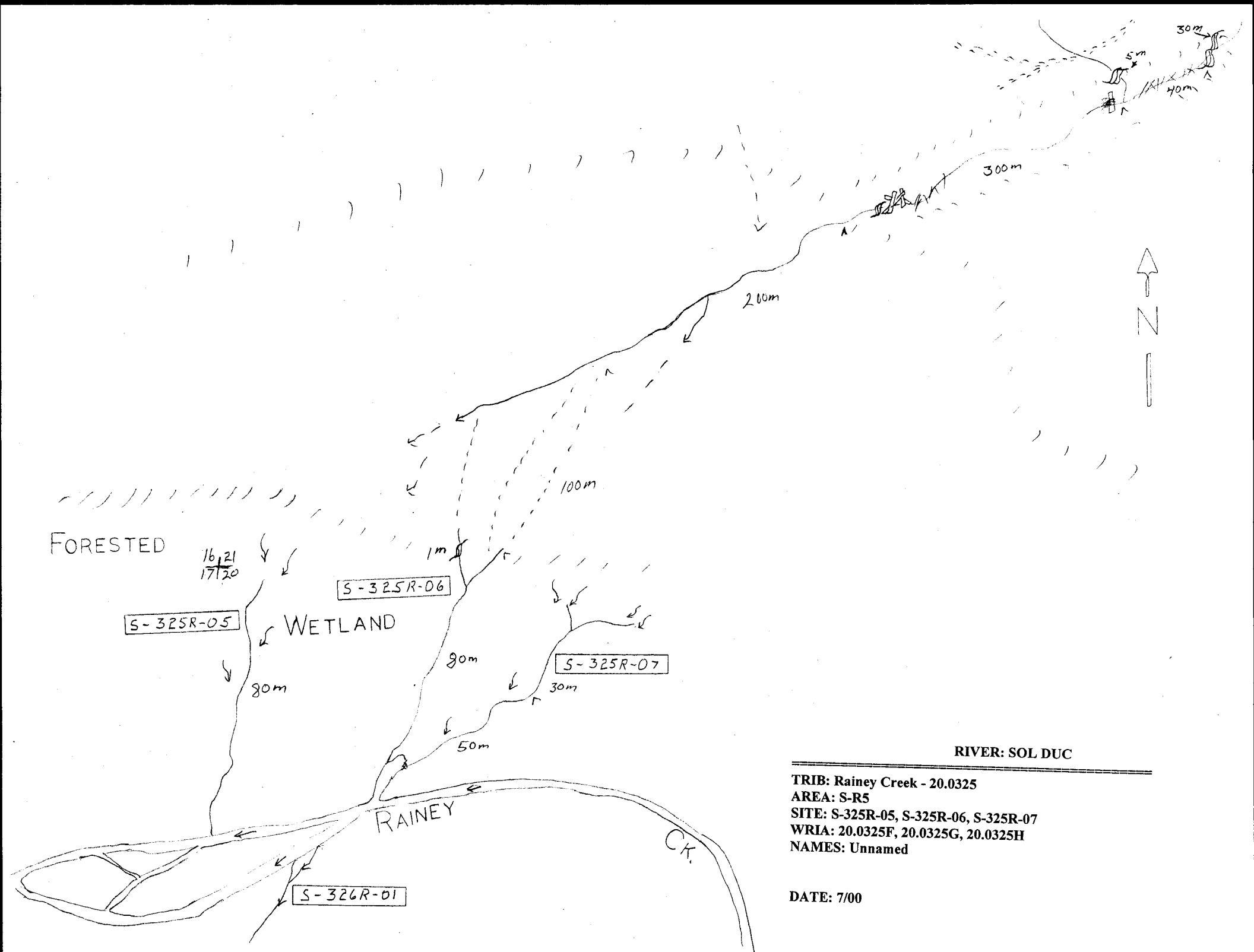
- The Quileute Nation has a spawner index on this reach of Rainey Creek

Attachments Available:

DOC: S-325R-05

Contact respective SSHEAR habitat biologist for the following checked items:

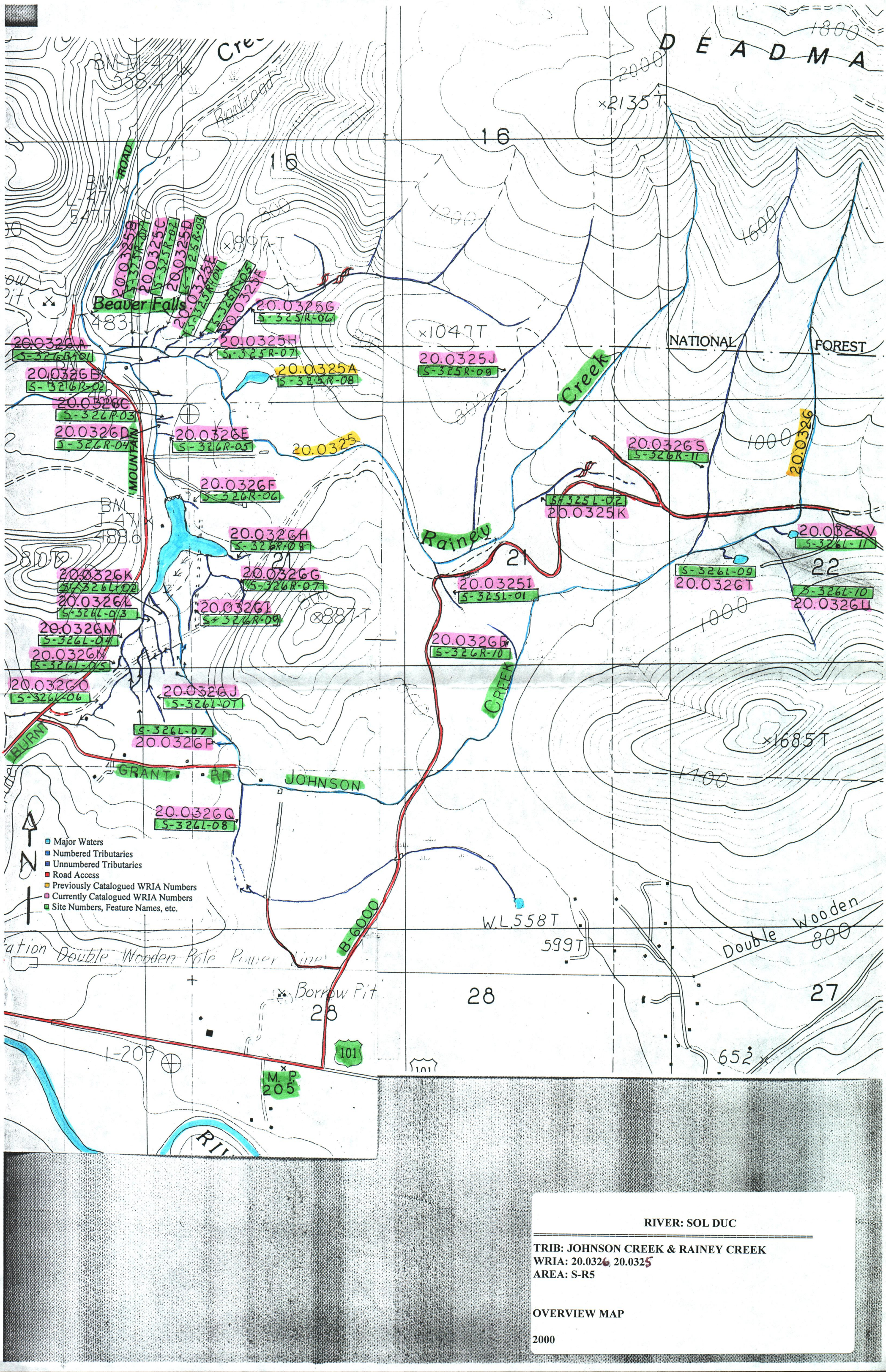
() Aerials	(X) Sketch	() Maps	() Culvert Report
() Other references	() Spawning surveys	() Juvenile trapping	() Fishway Report



RIVER: SOL DUC

TRIB: Rainey Creek - 20.0325
AREA: S-R5
SITE: S-325R-05, S-325R-06, S-325R-07
WRIA: 20.0325F, 20.0325G, 20.0325H
NAMES: Unnamed

DATE: 7/00



RIVER: SOL DUC

TRIB: JOHNSON CREEK & RAINEY CREEK
WRIA: 20.0326, 20.0325
AREA: S-R5

OVERVIEW MAP

2000

S-324R-09
20.0324S

FS-100/3026

Borrow Pit

Beaver Falls
483-T/462-T

S-324R-11
20.0324X

BM K-471

Rainey

S-324R-10
20.0324U

20.0324R

S-324R-08

S-324L-11
20.0324W

S-324L-09
20.0324T

S-324L-10
20.0324V

S-324R-07
20.0324Q

S-324R-05
20.0324P

S-324R-06
20.0324S

Beaver

FS105

MOUNTAIN

Johnson

GS-VEQU
I-210

Cr

4WD

BM
I-471
488.6

S-324L-08
20.0324O

S-324R-04A
20.0324C

S-324R-04
20.0324N

S-324L-07
20.0324M

BURNT

Creek

S-324L-06
20.0324L

S-324L-05
20.0324A

GRANT

Rd

Grade

Railroad

BM
I-471
467.4

RR

Grade

20.0324F
S-324R-01

20.0324G
S-324R-02

S-324L-02
20.0324H

S-324R-03
20.0324I

S-324L-04
20.0324K

S-324L-01
20.0324E

20.0324J
S-324L-03

SR 113

Old

BM H-28
417.8

BM G-471
470.1

Sub Station Double Wooden Pole Power Line

Borrow Pit

Sappho

Campground

I-198-A
466.8

HWY

101

I-209

510-T

I-208-Z
431.7

BM Y-471
435.1

SOLEDUCK

RIVER

Mile 34

I-209-Z
486.7

I-208-Y
506.1

I-209-W
549.4

I-209-Y
510.5

I-209-X
519.8

Borrow Pit

5327
5326
5325
5324
5323

- Major Waters
- Numbered Tributaries
- Unnumbered Tributaries
- Road Access
- Previously Catalogued WRIA Numbers
- Currently Catalogued WRIA Numbers
- Site Numbers, Feature Names, etc.

RIVER: SOL DUC

TRIB: BEAVER CREEK
WRIA: 20.0324
AREA: S-R5

OVERVIEW MAP

2000