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: 4/20/00

Site Identifier: S-325R-04

WRIA: 20.0325E (P)

River Mile Location: 0.19

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 290 meters to S-325R-04.

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: 60 - 80 g.p.m. Upper end: 5 - 10 g.p.m.

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

Adjacent stream temperature: 7.5 °C

Other water observations: Slightly tannic

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

Widths:	Channel- 1.0 - 1.7 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 (50% coverage).
- A five-meter reach (mid way) is subsurface under rootwads. Fish were observed upstream of this spot.
- The stream 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 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 under rootwads..
- 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

DOC: S-325R-04

Attachments Available:

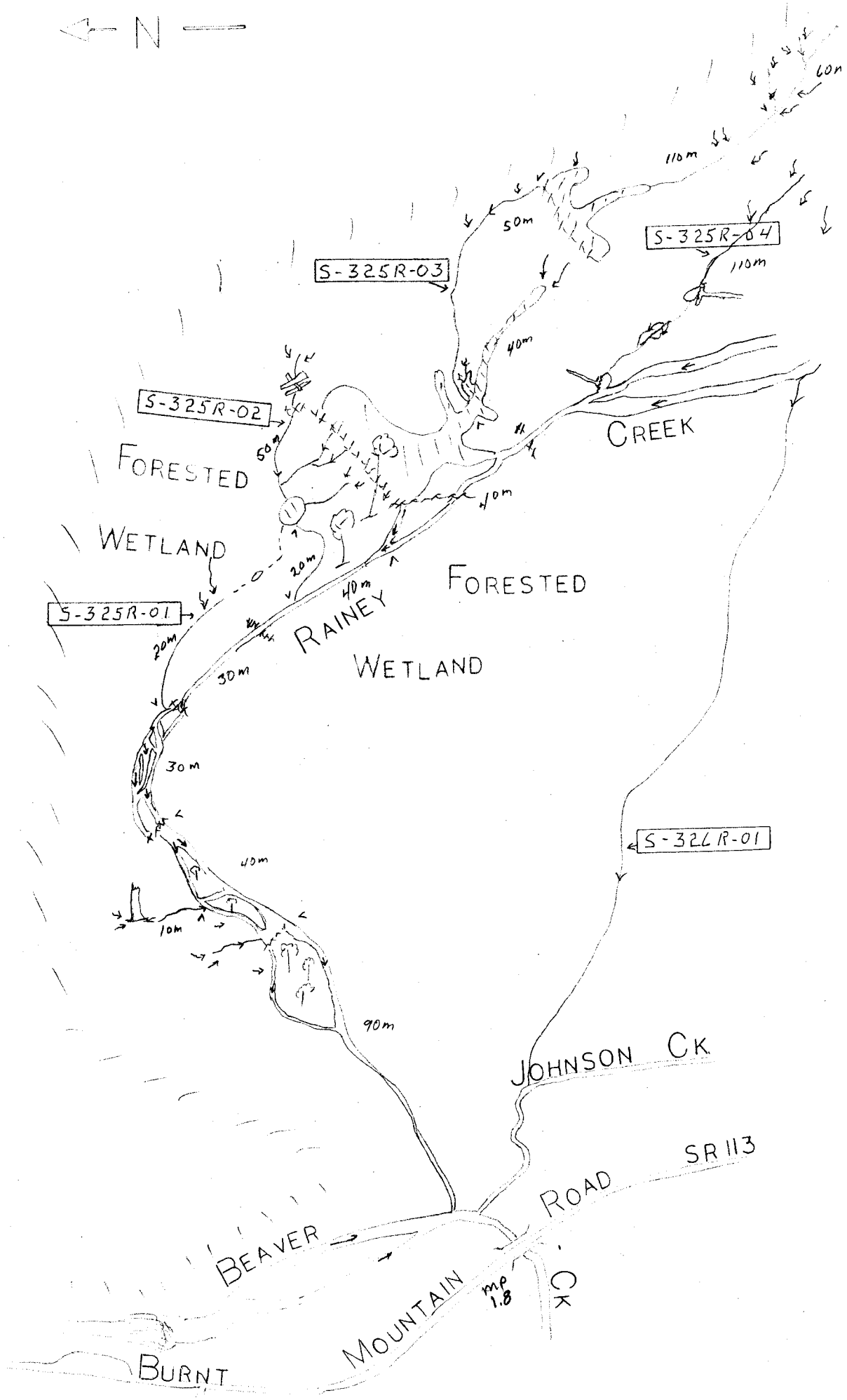
Contact respective SSHEAR habitat biologist for the following checked items:

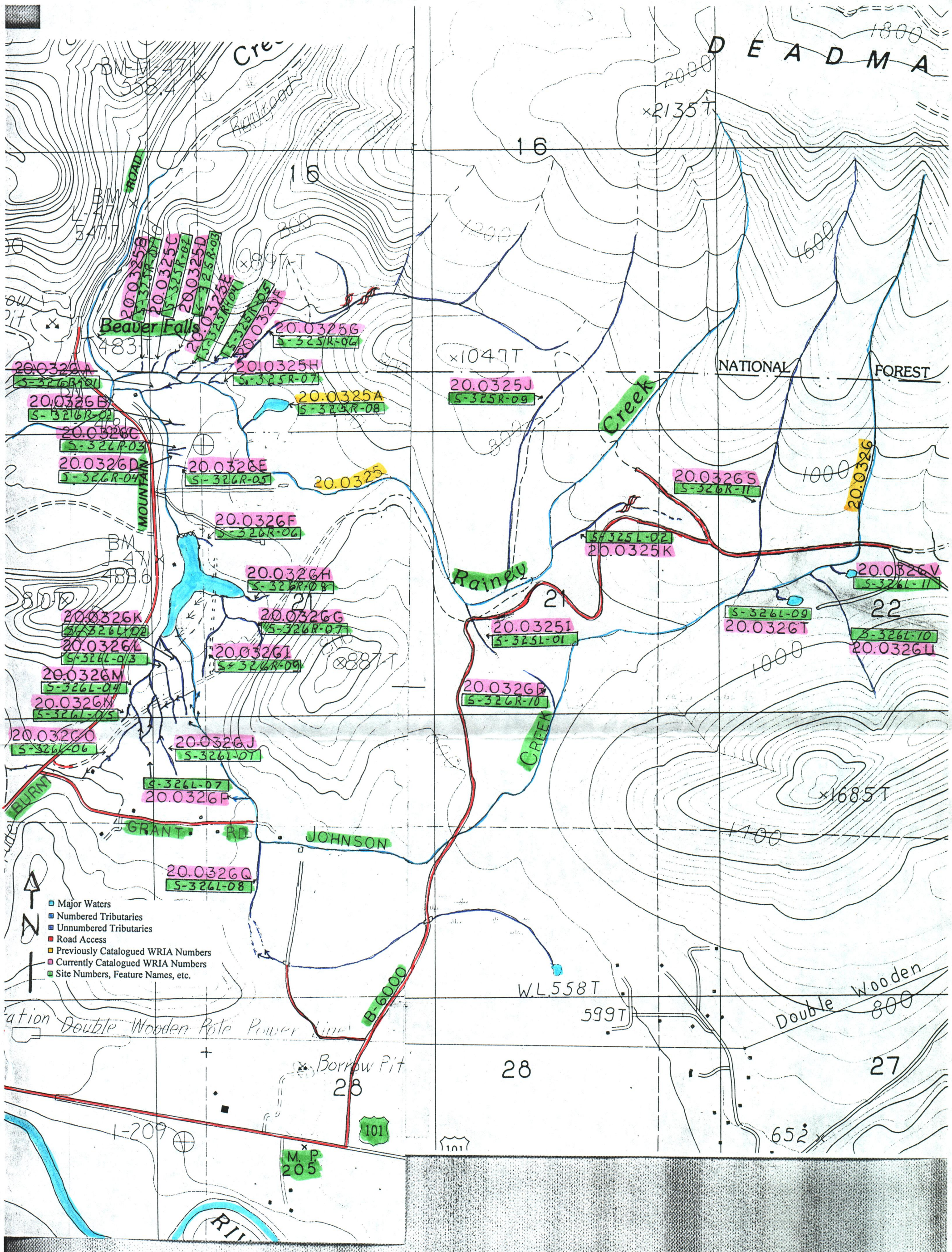
() Aerials	(X) Sketch	() Maps	() Culvert Report
() Other references	() Spawning surveys	() Juvenile trapping	() Fishway Report

RIVER: SOL DUC

TRIB: Rainey Creek - 20.0325
AREA: S-R5
SITE: S-325R-01, S-325R-02, S-325R-03, S-325R-04
WRIA: 20.0325B, 20.0325C, 20.0325D, 20.0325E
NAMES: Unnamed

DATE: 7/00



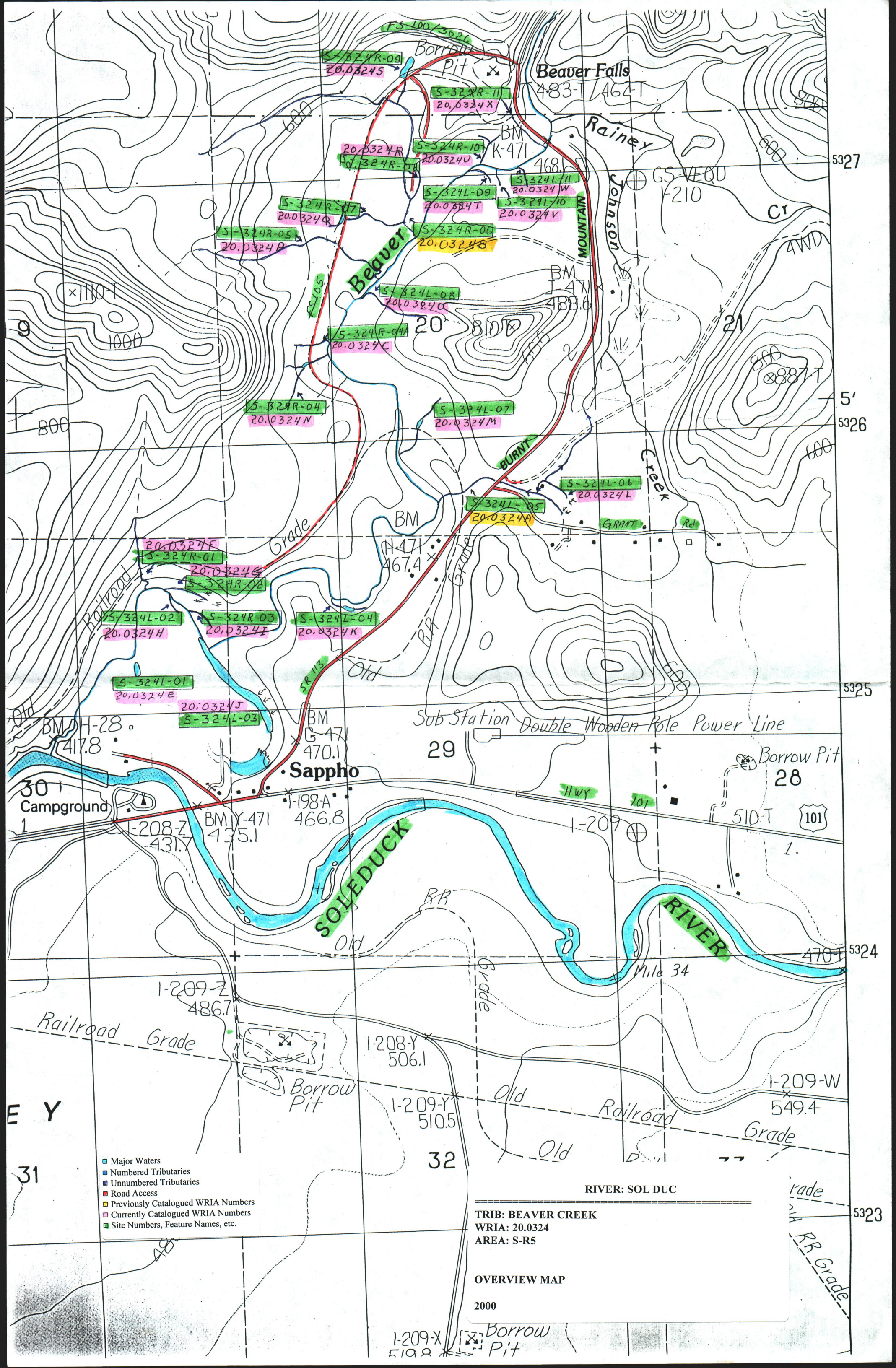


RIVER: SOL DUC

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

OVERVIEW MAP

2000


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
Beaver Falls
Sappho
Campground
Borrow Pit
Sub Station
Double Wooden Pole Power Line
Rainey
Johnson
MOUNTAIN
Beaver
Creek
BURNT
GRANT
Rd
HWY
101
SOLEDUCK
RIVER
Mile 34
Railroad
Grade
Old
RR
S-324R-09
20.0324S
S-324R-11
20.0324X
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
S-324L-08
20.0324O
S-324R-04A
20.0324C
S-324R-04
20.0324N
S-324L-07
20.0324M
S-324L-06
20.0324L
S-324L-05
20.0324A
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
FS 100/3026
FS 105
BM K-471
BM I-471
BM H-28
BM G-471
BM Y-471
I-198-A
466.8
I-208-Z
431.7
I-209
510-T
470-T
I-209-Z
486.7
I-208-Y
506.1
I-209-Y
510.5
I-209-W
549.4
I-209-X
519.8
5327
5326
5325
5324
5323