

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	Date: 4/7/00
Site Identifier: S-326L-08	WRIA: 20.0326Q
River Mile Location: 1.4	RB/LB: LB
Local Name: Winter Creek	Trib. to: Johnson Cr.(20.0326)
Legal Description: NW¼ Sec 28 T30N R12W	County: Clallam

Habitat Type: Terrace tributary

Landowner: Federal State County Other Government Private
- Unknown private ownership
- Department of Natural Resources

Directions to site:

North from Forks on Highway 101 to MP 203.9. Turn left onto Burnt Mt. Rd. (SR-113) and follow for 0.95 mi. to Grant Rd. Follow Grant Road to the end. Continue to follow the private driveway straight ahead. Cross the bridge over Johnson Creek to Winter Creek Ranch. After securing permission, walk up the left bank of Johnson Creek 60 meters to S-326L-08.

Or: North from Forks on highway 101 to M.P. 205.1. Turn left onto the gravel road and proceed for 0.5 mile to the large marsh on the right. This is the upper end of the channel.

Site Overview:

This tributary begins at the toe of the valley wall. It intercepts spring water and surface runoff on a wide, slightly sloping depression, which remains saturated. As the channel leaves the open marsh, it continues on the flat terrace. The reach is a scrub-shrub wetland that narrows to just a few meters. It then enters an area of porous soil. The flow will go subsurface in this area on low to moderate flows. The channel then reemerges in another scrub-brush wetland. The channel between the lower wetland and Johnson Creek becomes wide and deep. It has the appearance of having been excavated in the past. In the middle portion of this reach, the flow goes subsurface also.

Habitat Information:

Water source: Springs, surface runoff and wetlands

Intermittent/year-around: Intermittent

Estimated flows (cfs): Lower end: see note upper end: 0.1 - 0.2

- The first 60 meters of the channel were watered, but the water source was from Johnson Creek. The next channel reach is a dry segment. The channel eventually becomes watered again. Both Johnson Cr. and Winter Cr. lose water at the dry reach.
- The lower scrub-brush wetland was watered and it also was losing water to the same dry segment of the channel.

Water temperatures: Lower end: Not taken upper end: Not taken

Adjacent stream temperature Johnson Creek (20.0326): 4.5°C

Other water observations: Slightly tannic

Site area measurements: Indirect Direct Combination

Widths: Channels- 3 - 4 m Ponds- 11 - 30 m Wetlands- 20 - 100 m

Depths: Channels- 15 - 30 cm Ponds- 15 - 65 cm Wetlands- 15 - 45 cm

Total length surveyed (includes ponds and wetlands): 1,270 m

Total existing habitat area (est.): 3,900 m²

Spawning area: 0 m²

Impounded area: 3,800 m²

Other rearing area: 100 m²

Spawning Habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat: NA

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat:

- The majority of the water in this channel is backwatered due to a gravel control in Johnson Creek. The lower channel, as well as a 60-meter reach of Johnson Creek appears to have been excavated to reduce flooding or drain a wetland. It has a sluggish flow.
- Canopies are provided by deciduous trees of about 20 - 70 years old and brush.
- Bank vegetation is moderately dense willow and vine maple.

Describe inaccessible habitat:

- All of the wetlands are above reaches that are intermittent.
- There is about 200 meters of channel that flow intermittent during lower flows.
- There is an additional 300 meters of narrow scrub-brush wetland and 400 meters of open marsh above the intermittent reach.

Describe wetland: Bog Marsh Scrub-shrub Wetland Forested Wetland

- There are three wetlands associated with this channel.
- The lowest in the channel is about 300 meters long and 5 meters wide at the bottle neck and 50 meters wide in the main body. The lower half is heavy in spirea. The water depth is 60 - 90 cm during the winter. The upper half of this wetland is dense in crabapple, ninebark and willow. There is a 30 meter reach of sedge that separates the upper and lower portions.
- The next wetland upstream could be considered the lower portion and outlet of the upper wetland. This one is about 400 meters long, 4 - 20 meters wide. It is vegetated with dense salmonberry, vinemaple, sedge and reed canary grass. About 60 meters from the upper end, the vegetation is reed canary grass and sedge.
- The upper most wetland is the largest. It is 400 meters long and 50 - 100 meters wide. There are three beaver ponds in it. It is vegetated with reed canary grass and sedge with some scattered small alder and conifer. The channel between the beaver ponds is not well defined.

Flooding potential: Low Medium High

Fish Information:

Site entry condition to Johnson Cr (20.0326): Poor Fair Good

- The egress is into a deep pool.

Coho access and use:

Juvenile- Unknown None Poor Fair Good

Adult- Unknown None Poor Fair Good

- No juvenile fish observed during the survey.

- Adult coho can access this system. It is doubtful that they use it for anything more than a resting area before moving up Johnson Creek

Other species access and use: Chum Pink Sockeye Chinook Trout

- It is assumed that trout will use a portion of this channel.

Habitat Improvements:

Enhancement opportunities:

- Maintain integrity of the channel.

Equipment access: none

Additional Comments:

Attachments Available:

Contact respective SSHEAR habitat biologist for the following checked items:

Aerials

Sketch

Maps

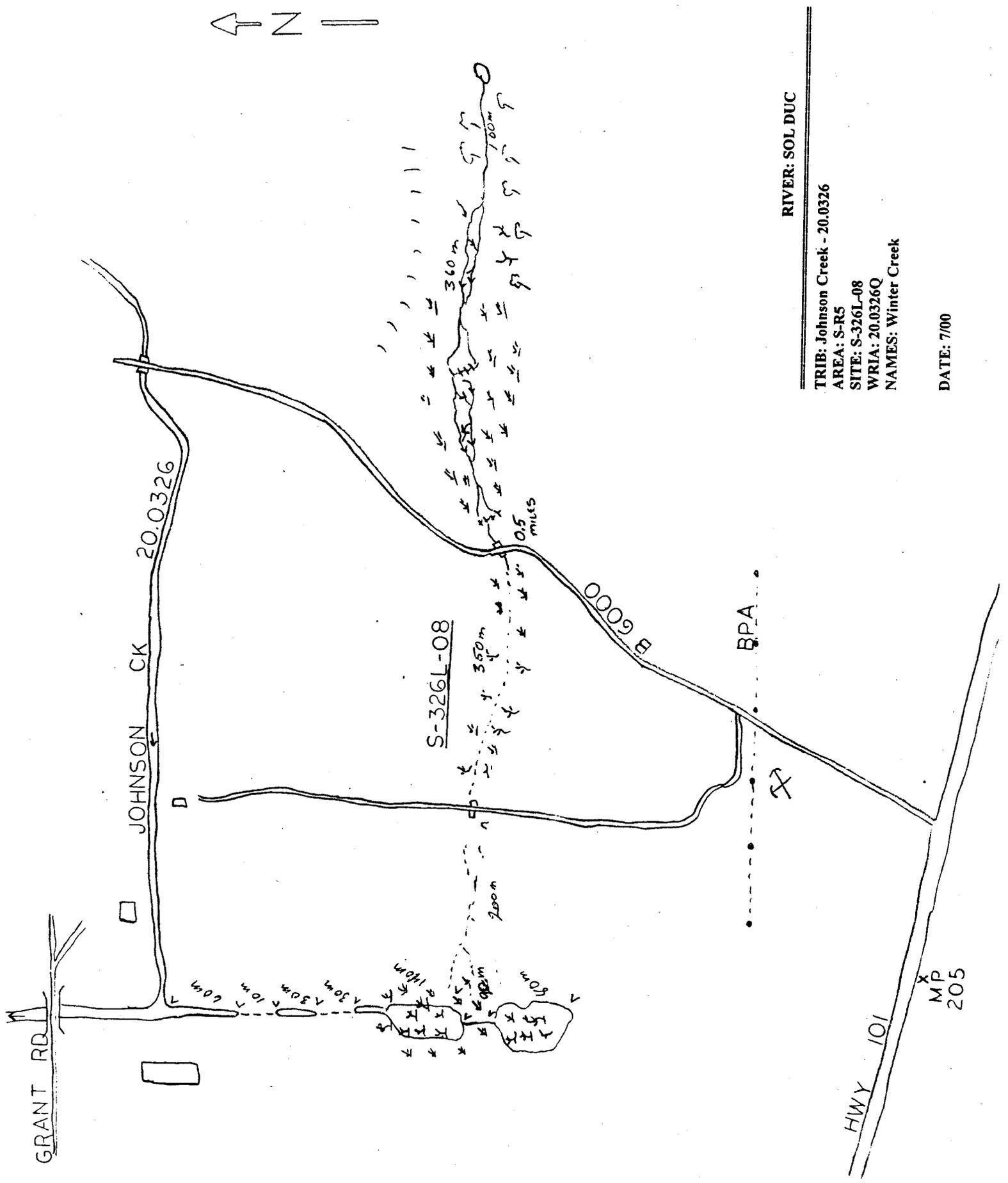
Culvert Report

Other references

Spawning surveys

Juvenile trapping

Fishway Report



RIVER: SOL DUC

TRIB: Johnson Creek - 20.0326

AREA: S-R5

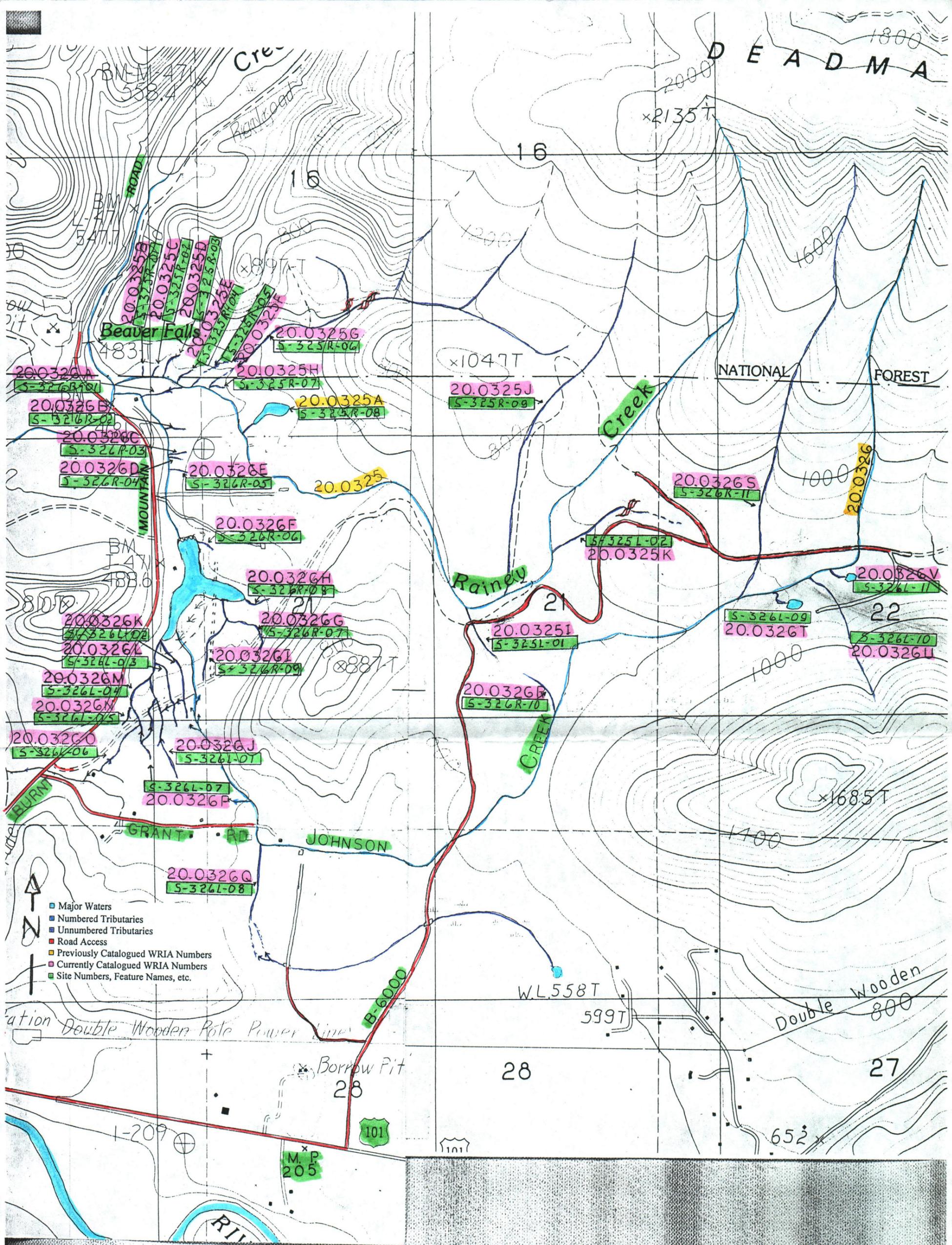
SITE: S-326L-08

WRIA: 20.0326Q

NAMES: Winter Creek

DATE: 7/00

HWY 101
MP 205

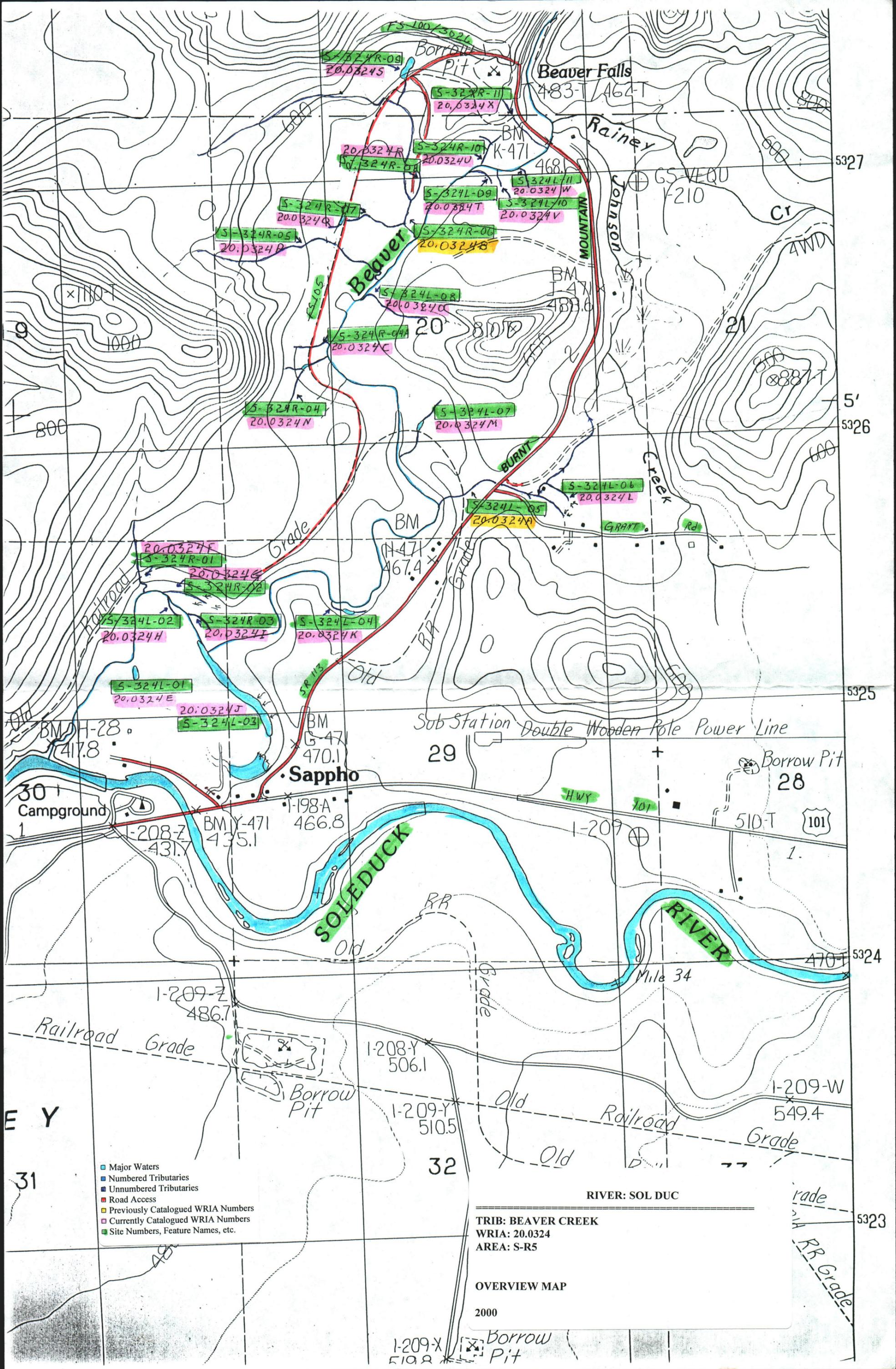


RIVER: SOL DUC

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

1-209-X
 519.2
 Borrow Pit