

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): Nettrin
River System: Sol Duc River	Date: 3/29/00
Site Identifier: S-326R-09	WRIA: 20.0326I (P)
River Mile Location: 0.2	RB/LB: LB
Local Name: Unnamed	Trib. to: S-326R-07(20.0326G)
Legal Description: SW¼ Sec 21 T30N R12W	County: Clallam
Habitat Type: Terrace tributary (drainage from wetland)	
Landowner: <input type="checkbox"/> Federal <input checked="" type="checkbox"/> State <input type="checkbox"/> County <input type="checkbox"/> Other Government <input checked="" type="checkbox"/> 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 follow for 0.9 miles to gravel road to the right. This is a private driveway. After securing permission, park in the wide spot next to the garage. Follow the old grade north easterly for 530 meters to a wide spot in the grade, just past a section line marker. Another grade intersects at this wide spot. S-326R-09 crosses the grade near the section line crossing. It then flows northerly along the second grade for about 100 meters where it breaches the grade and flows toward S-326R-07.

Site Overview: This terrace tributary is part of the large marsh, scrub/shrub and forested wetland complex that is located in the mid reach of Johnson Creek. The channel drains part of the northeast corner of the wetland. The source of the channel is at the toe of a valley wall. The channel also receives water from individual springs and seeps as it flows across the wetland complex. It also receives overbank storage from Johnson Creek during high flows. The channel loses flow into the saturation zone just before reaching the channel of S-326R-07 (in the forested wetland). Below the access grade, the channel is shaded by 30 - 50-year old alder. Above the grade, it is shaded by an abundance of shrubs: stinkberry, salmonberry and various other vine type shrubs.

Habitat Information:

Water source: Springs, seeps from the wetland and overbank storage from Johnson Creek.

Intermittent/year-around: Intermittent

Estimated flows (cfs): Lower end: 0.1 - 0.2 Upper end: 0.01 - 0.05

Water temperatures: Lower end: 5.5 °C Upper end: 5.5 °C

Adjacent stream temperature S-326R-07 (20.0326G): 6.0 °C

Other water observations: slightly tannic

Site area measurements: Indirect Direct Combination

Widths: Channel- 1.0 - 2 m Ponds- NA Wetlands- See wetland description

Depths: Channel- 5 - 30 cm Ponds- NA Wetlands- " " "

Total length surveyed (includes ponds and wetlands): 200 m.

Total existing habitat area (est.): 200 m²

Spawning area: 00 m²

Impounded area: 00 m²

Other rearing area: 200 m²

Spawning Habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat:

- No gravel available.

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat:

- The channel lacks woody debris. Aquatic vegetation and skunk cabbage provide some cover.

- A 40 - 60-year old deciduous/conifer stand provides 90% shade coverage along the channel. The portion of wetland between the flowing channel and the toe of the valley wall has about 90% shaded coverage. It is primarily deciduous species, mostly brush.

- The channel has a gradient of 2 - 4%.

Describe unaccessible habitat:

- This entire channel is unaccessible except for higher flows. The egress has an intermittent flow.

Describe wetland: Bog Marsh Scrub-shrub Wetland Forested Wetland

- This channel drains a small portion of a large wetland. The portion of the wetland the upper channel drains is covered in dense brush. The rest of the channel is forested with deciduous trees with scattered conifer and an understory of salmonberry and other brush species.

- The overall dimensions of the wetland are approximately 700 m long and 300 m wide.

- This wetland complex is located in the middle reach of Johnson Creek. It is separated from the lower Johnson Creek/Rainey Creek wetland by a minor upland flat area. The saturation zones could very well be interconnected between the two creeks.

- Deciduous tree and brush species are 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.

- The forested wetland is the most dominant type of wetland in this complex.

Flooding potential: Low Medium High

- The channel receives overbank storage from Johnson Creek. It does not appear to experience flushing flows. An intermittent channel does carry excess flow to the main wetland channel.

Fish Information:

Site entry condition to S-326R-07 (20.0326G): Poor Fair Good

- The channel loses flow before entering S-326R-07, except for higher flows.

Coho access and use:

Juvenile- Unknown None Poor Fair Good

Adult- Unknown None Poor Fair Good

- No juveniles were observed during the survey.

- Coho spawning has been documented in the mainstem of Johnson Creek, below and above the wetland. There is no gravel in this channel.

Other species access and use: Chum Pink Sockeye Chinook Trout

- Trout were not identified during the survey. It is assumed that they use this channel.

- Trout were observed in the mainstem.

Habitat Improvements:

Enhancement opportunities:

Possible project type

- Channelize the intermittent portion of the channel.

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

Equipment access: No

Additional Comments:

- The Quileute Nation has a spawner index on the reach of Johnson Creek below the wetland and one above the wetland.

- Johnson Creek had not been depicted correctly in the WRIA catalog. The associated numbering in relation to this channel is in error. The stream catalog does not show the lower reach of Johnson Creek. A supplemental number 20.0324C, was assigned to represent this creek. However, the catalog shows a left bank tributary (20.0326) to Rainey Creek at RM 1.2. This tributary is in fact, the upper reach of Johnson Creek. It is suggested that all of Johnson Creek be given the WRIA number 20.0326. This document reflects this change.

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

NORTH COAST OFF CHANNEL SURVEY
SUBSEQUENT SITE EVALUATION FORM

River System: Sol Duc

Site No.: S-326R-09
Site Name: Unnamed
WRIA: X

DATE: 1/23-1/24/01

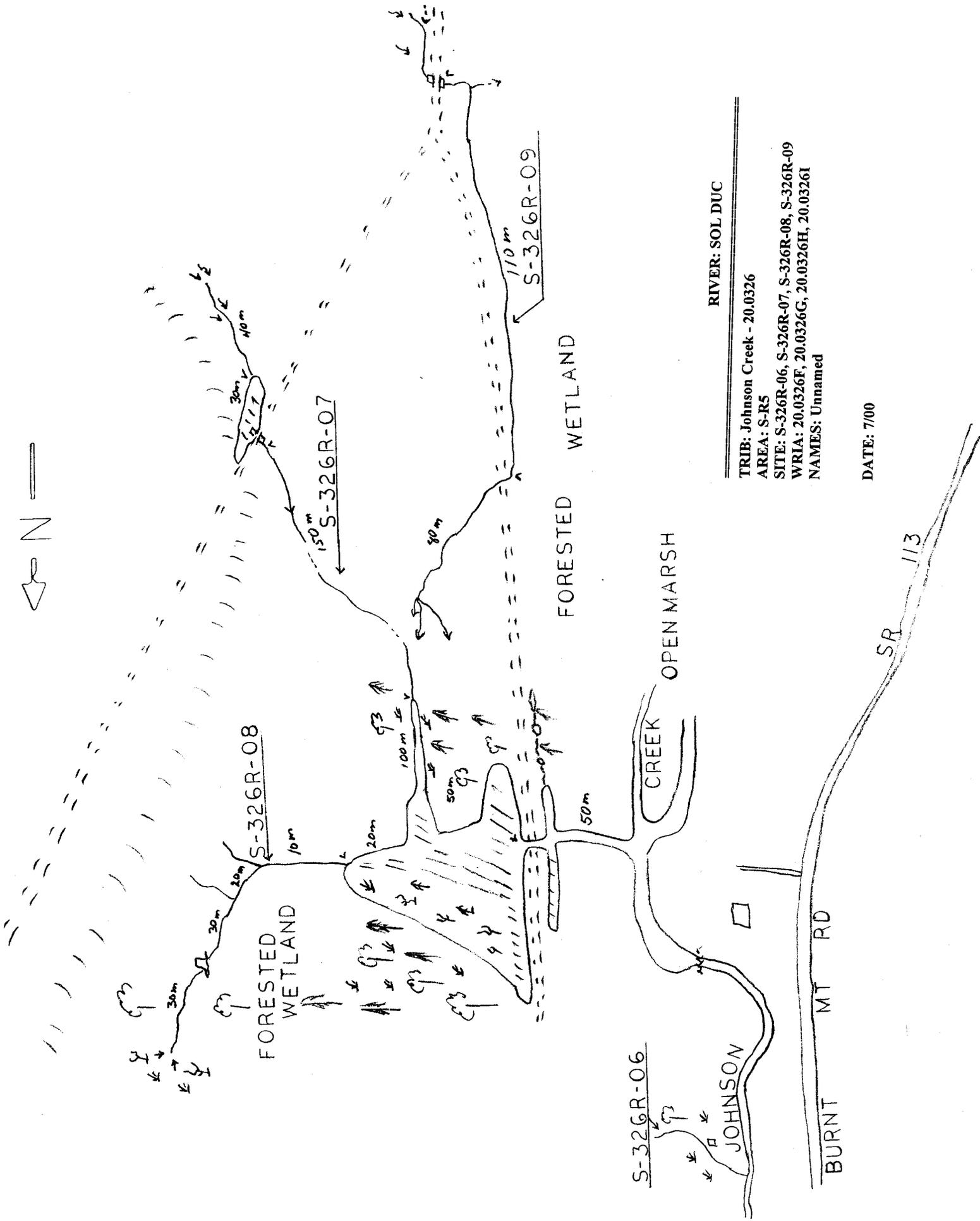
OBSERVER: Darrow

MINNOW TRAPPING REPORT

TRAP	DATE		DATE		COHO	CATCH			COTTID
	SET	TEMP	PULLED	TEMP		TROUT			
						RBT	CUTT	0+	
1	1/23	7.0°C	1/24	7.0°C	0	0	0	0	0
TOTALS:					0	0	0	0	0

COMMENTS:

- Trap 1 was placed above culvert
- Trap was baited with salmon roe.



RIVER: SOL DUC

TRIB: Johnson Creek - 20.0326

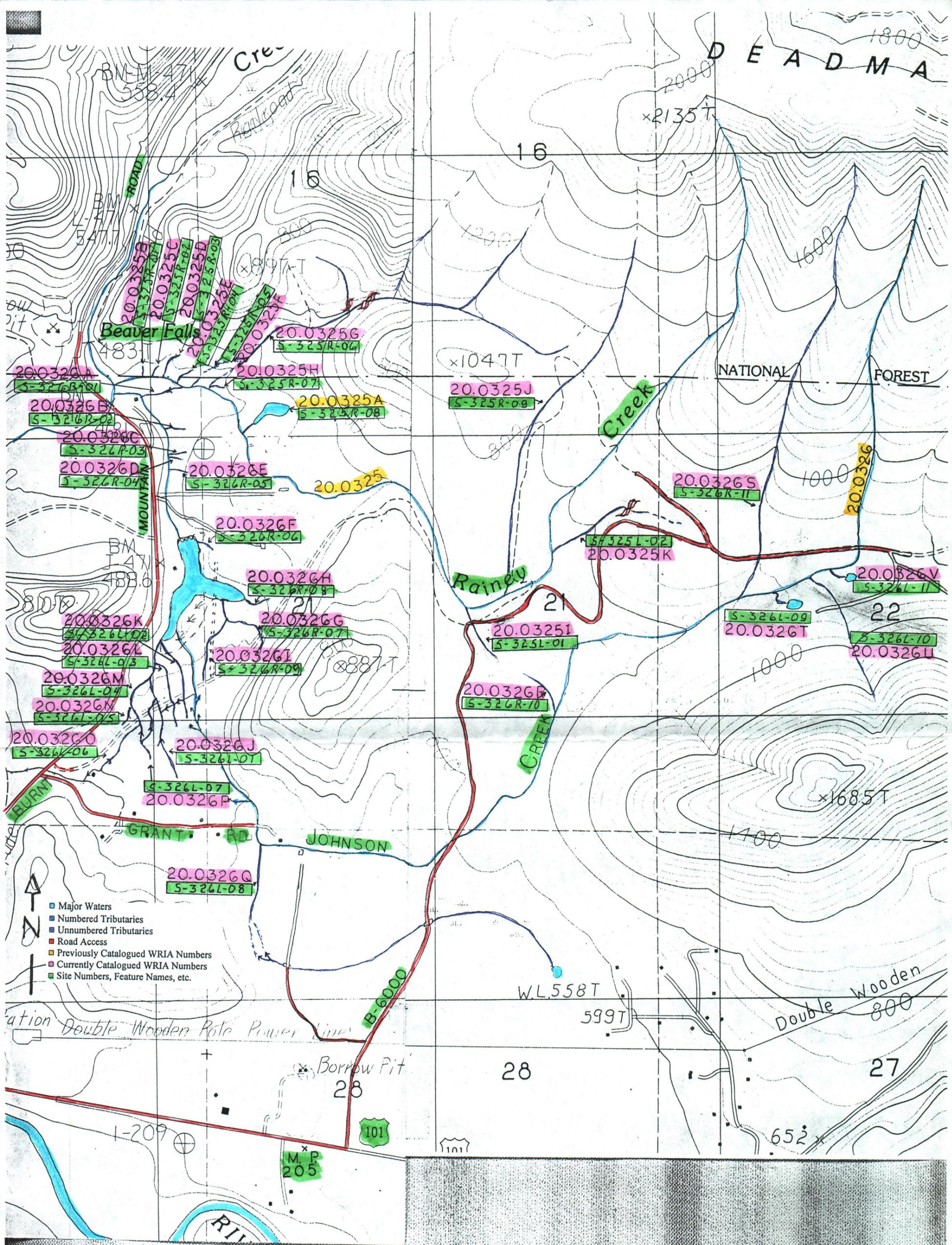
AREA: S-R5

SITE: S-326R-06, S-326R-07, S-326R-08, S-326R-09

WRIA: 20.0326F, 20.0326G, 20.0326H, 20.0326I

NAMES: Unnamed

DATE: 7/00

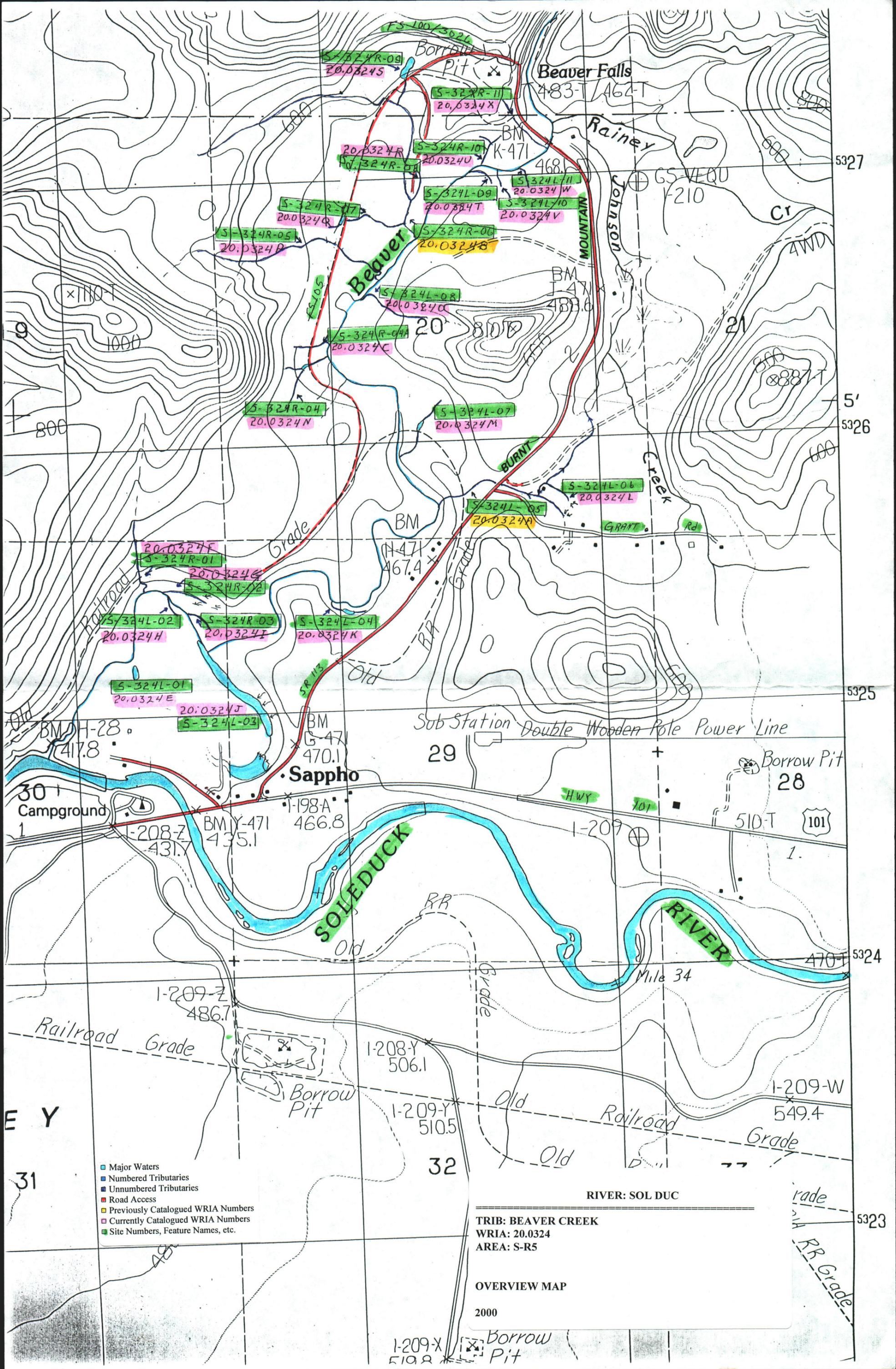


RIVER: SOL DUC

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

1-209-X
 519.2
 Borrow Pit