

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-326L-02	WRIA: 20.0326K (P)
River Mile Location: 0.02	RB/LB: RB
Local Name: Unnamed	Trib. to: S-326L-01 (20.0326J)
Legal Description: SE¼ Sec 20 T30N R12W	County: Clallam
Habitat Type: Terrace tributary	
Landowner: <input type="checkbox"/> Federal <input type="checkbox"/> State <input type="checkbox"/> County <input type="checkbox"/> Other Government <input checked="" type="checkbox"/> Private - Mr. & Mrs. Roger Lien	

Directions to site: North from Forks on highway 101 to M.P. 203.9. Turn left onto SR 113 and follow for 0.9 miles to a gravel road to right. This is a private driveway to the Roger Lien residence. After securing permission, park in the wide spot next to the garage. Follow the old grade north easterly for 390 meters to a culvert crossing. This is S-326L-02.

Site Overview: This terrace tributary is part of a large marsh, scrub/shrub and forested wetland complex that is located in the middle reach of Johnson Creek. It drains an easterly portion of the wetland. Mid-terrace springs are the source points for the channel. A relatively dry forest floor emanates some of the spring flows. The channel also receives water from individual springs/seeps as it flows across the wetland complex. It then becomes braided, and interconnects with other channels below the old grade. During high flow events, overbank storage from Johnson Creek impacts this channel. The channel is shaded by 30 - 50-year old alders below the grade. It is shaded by a mixed conifer/deciduous forest above the grade. The understory is mainly salmonberry and vinemaple.

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: 7.0 °C Upper end: 7.0 °C

Adjacent stream temperature: 6.0 °C

Other water observations: Clear water

Site area measurements: Indirect Direct Combination

Widths: Channel- 1.0 - 2.0 m Ponds- NA Wetlands- See wetland description
Depths: Channel- 5 - 45 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: (X) None () Poor () Fair () Good () Excellent

Describe spawning habitat:

- No gravel available.

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

Describe pond and other rearing habitat:

- The pond habitat associated with this channel is the impounded water it flows into.
- There are numerous pools and small beaver impoundments.
- Some of the braids may dry up during low flow periods.
- The channel lacks woody debris. Aquatic vegetation and skunk cabbage provide some cover.
- The channel has a gradient of 2 - 4%.

Describe unaccessible habitat: NA

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

- This channel drains a small portion of a large wetland. This portion of the wetland is forested with 40 - 60-year old deciduous some scattered conifers.
- The overall dimensions of the wetland are approximately 700 m long and 300 m wide.
- The complex is located in the middle reach of Johnson Creek. It is separated from the lower Johnson Creek/Rainey Creek wetland by a low, flat upland. The saturation zone of the two creeks could be interconnected.
- The predominant overhead shade producers are deciduous trees, brush species and scattered conifers. The canopy closure ranges from 90 - 100% over the area drained by the smaller tributaries, to 40 - 60% along the main stems, to a total lack of a canopy in the open marsh and beaver pond areas.
- The under story (dense to moderate) is mainly 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 (X) High

- Receives overbank storage from Johnson Creek.

Fish Information:

Site entry condition to S-326L-01 (20.0326J): () Poor () Fair (X) Good

- The channel flows into an impounded reach.

Coho access and use:

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

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

- Juveniles were observed during the survey.
- There is documentation of coho spawning 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 (X) Trout

- Trout were not identified during the survey. It is assumed that they utilize this channel.
- Trout were observed in the mainstem.

Habitat Improvements:

Enhancement opportunities:

Possible project type

- Remove old culvert from abandoned grade.
- Maintain the integrity of the channel and the overall wetland.

Equipment access: No

Additional Comments:

- The Quileute Nation has spawner indexes 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:

- | | | | |
|-------------------------------------------|--------------------------------------------|--------------------------------------------|----------------------------------------------------|
| <input type="checkbox"/> Aerials | <input checked="" type="checkbox"/> Sketch | <input type="checkbox"/> Maps | <input checked="" type="checkbox"/> Culvert Report |
| <input type="checkbox"/> Other references | <input type="checkbox"/> Spawning surveys | <input type="checkbox"/> Juvenile trapping | <input type="checkbox"/> Fishway Report |

NORTH COAST OFF CHANNEL SURVEY
SUBSEQUENT SITE EVALUATION FORM

River System: Sol Duc

Site No.: S-326L-02
Site Name: Liens' Marsh
WRIA: X

DATE: 1/23-1/24/01

OBSERVER: Darrow

MINNOW TRAPPING REPORT

TRAP	DATE		DATE		COHO	CATCH			COTTID
	SET	TEMP	PULLED	TEMP		TROUT		0+	
						RBT	CUTT		
1	1/23	7.0°C	1/24	7.0°C	7	0	0	0	0
2	2/23	7.0°C	1/24	7.0°C	6	0	0	0	0
TOTALS:					13	0	0	0	0

COMMENTS:

- Trap 1 was placed in plunge pool of culvert. Fish ranged from 9 - 10 cm
- Trap 2 was placed about 30m above the culvert. Fish ranged from 8 - 10 cm.
- All traps were baited with salmon roe.



RIVER: SOL DUC

TRIB: Johnson Creek - 20.0326

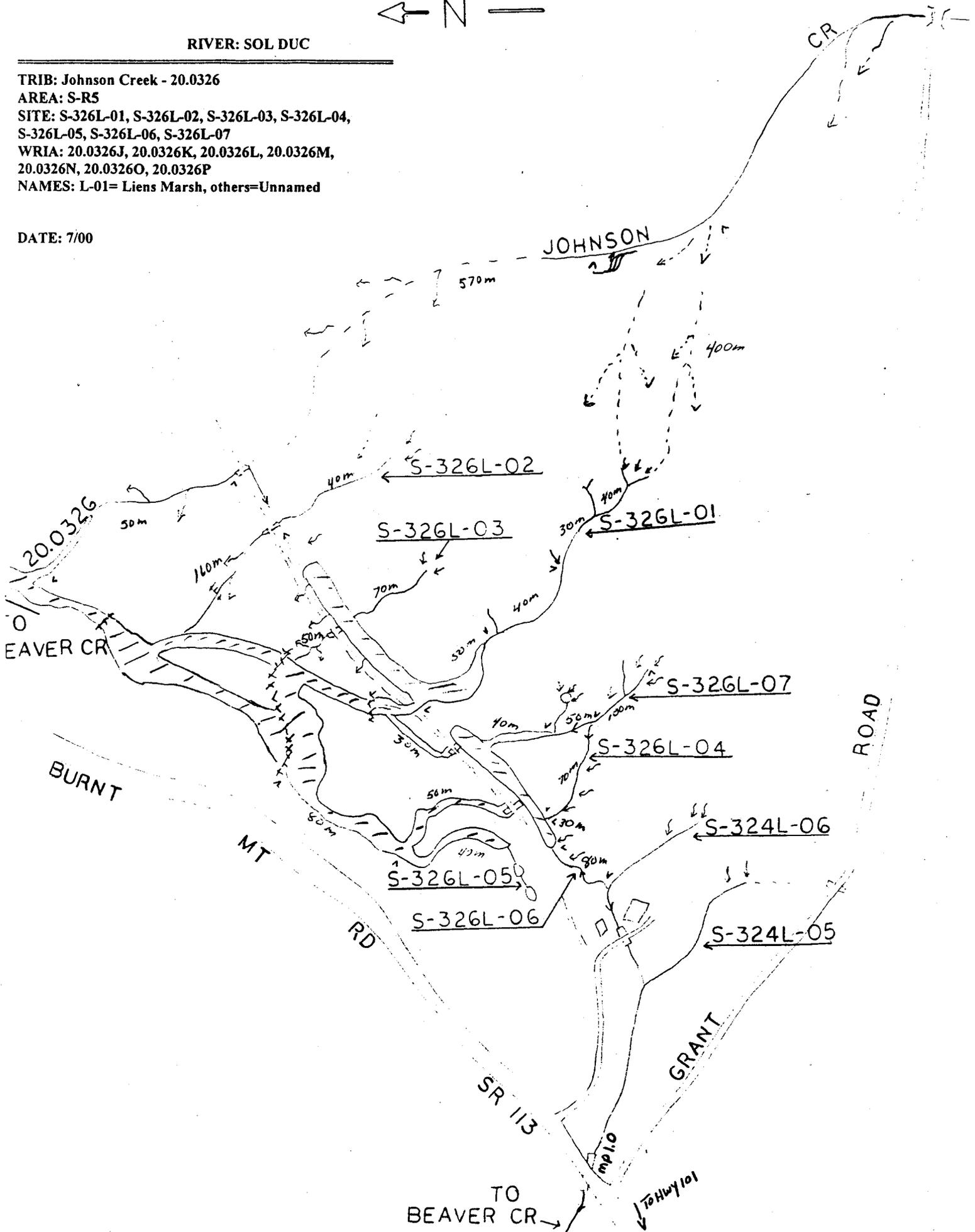
AREA: S-R5

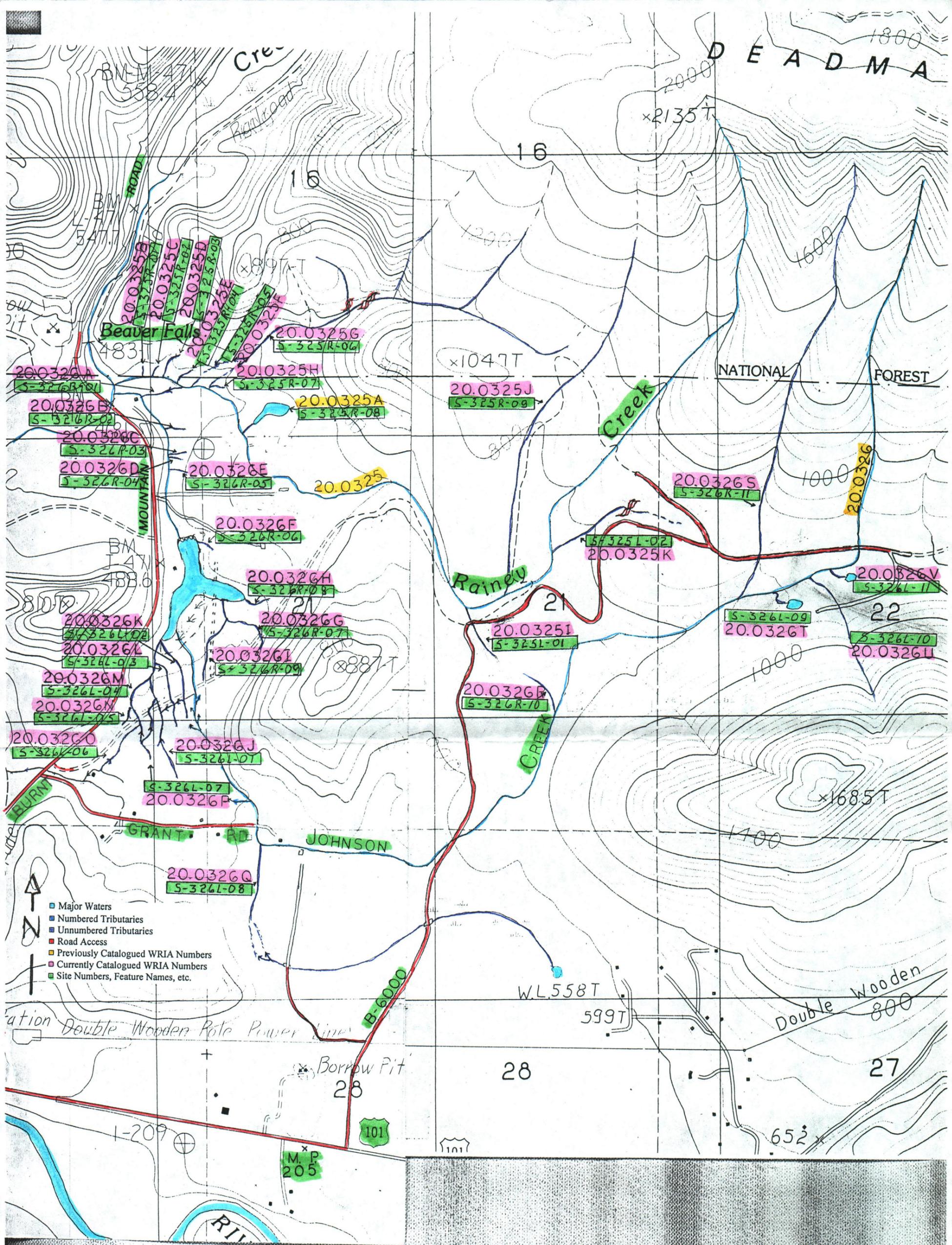
SITE: S-326L-01, S-326L-02, S-326L-03, S-326L-04,
S-326L-05, S-326L-06, S-326L-07

WRIA: 20.0326J, 20.0326K, 20.0326L, 20.0326M,
20.0326N, 20.0326O, 20.0326P

NAMES: L-01= Liens Marsh, others=Unnamed

DATE: 7/00



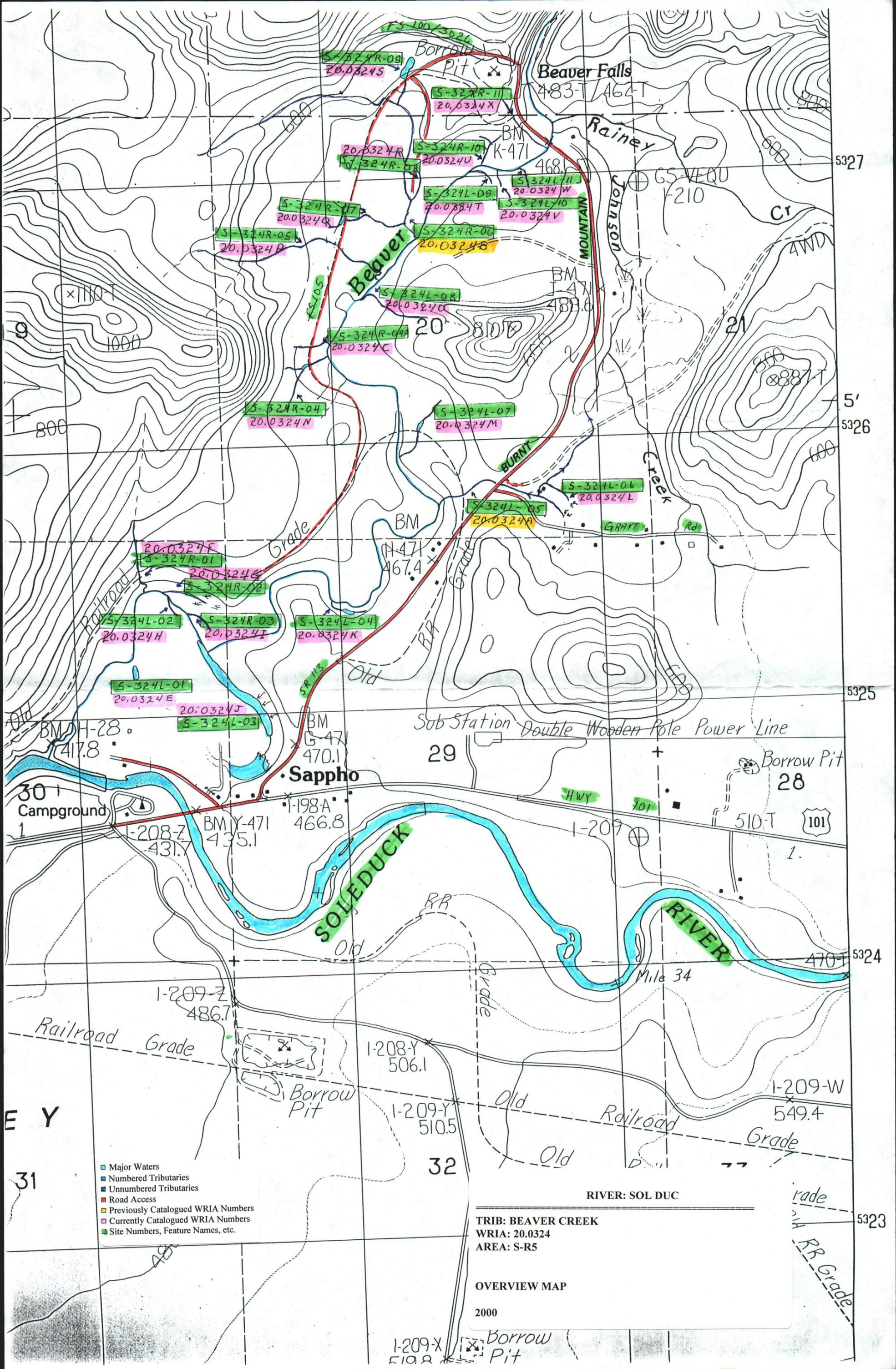


RIVER: SOL DUC

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