

Total existing habitat area (est.): 570 m²

Spawning area: 10 m²

Impounded area: 80 m²

Other rearing area: 480 m²

Spawning Habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat:

- Spawning habitat is limited to a 10-m reach below the culvert.
- The substrate is small gravels, <0.02 m.
- The substrate is composed of silt ranges of >16% - ≤21% fines.

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat:

- The 40-m reach above the culvert is 0.15 m deep, and over topped by salmonberry.
- There is in stream cover provided by aquatic vegetation and woody debris.
- The canopy has been impacted by the landowner. Most of the shade has been removed on the south bank. There are a few deciduous trees.
- The north bank vegetation is dense salmonberry and vine maple with a deciduous canopy.

Describe unaccessible habitat:

- The culvert under Burnt Mt Road is a total barrier to juvenile coho and trout. It may also be a significant barrier to adult trout.
- This channel is above the barrier culvert.

Describe wetland: Bog Marsh Scrub-shrub Wetland Forested Wetland

- This channel contributes some water to a large wetland in the Johnson Creek watershed
- See the Johnson Creek (20.0326) report for wetland information.

Flooding potential: Low Medium High

- Stable water source.

Fish Information:

Site entry condition to Spike Cr (20.0324A): Poor Fair Good

- The channel egresses into a deep pool.

Coho access and use:

Juvenile- Unknown None Poor Fair Good

Adult- Unknown None Poor Fair Good

- Juvenile coho would utilize this system if it was accessible.
- Adult usage would be limited to an area below the culvert.
- No know history of this creek before the construction of SR-113.

Other species access and use: Chum Pink Sockeye Chinook Trout

- No trout were observed using this stream.
- It is assumed that they would utilize this system especially if it was accessible.

Habitat Improvements:

Enhancement opportunities:

Possible project type:

- Open a better channel through to Johnson Creek.
- Install a control to allow some water to pass, and allow fish to move up from Johnson Creek into Lien Creek and down into upper Spike Creek.
- Install low head controls to create a beaded channel.

Equipment access: No

Additional Comments: The channel from Lien Creek to Johnson Creek is intermittent. It flows (with little current) under stumps etc. Fish are present in the portion of the channel that is flowing on the Johnson Creek side.

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-324L-06
Site Name: Liens' Spr
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	0	0	3	0	0
2	1/23	7.0°C	1/24	7.0°C	0	0	2	0	0
TOTALS:					0	0	5	0	0

COMMENTS:

-Trap 1 was placed about 45 m above the culvert, under the driveway.
-Trap 2 was placed about 80 m above the culvert, under the driveway.
Traps were baited with salmon roe.

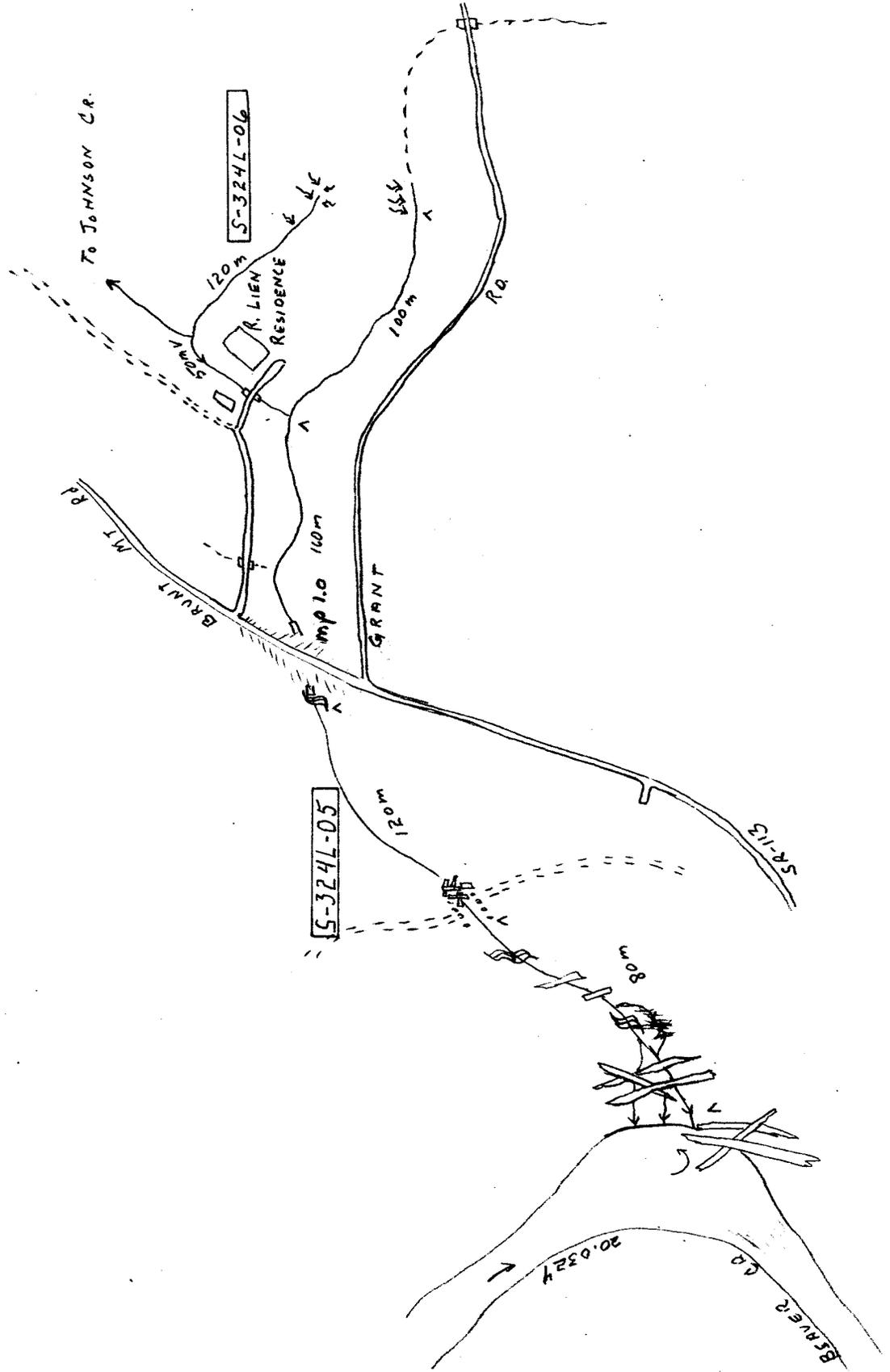
RIVER: SOL DUC

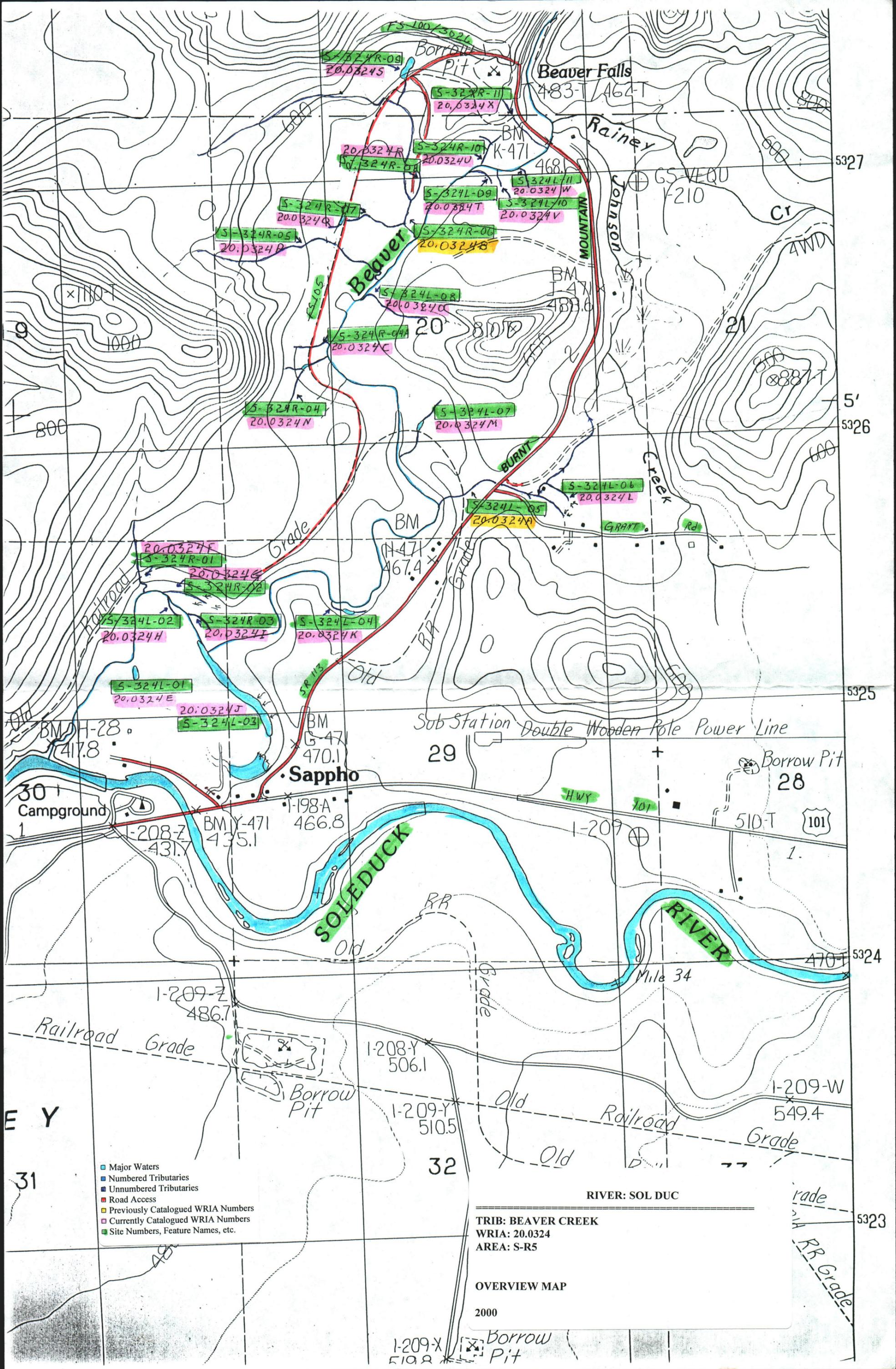
TRIB: Beaver Creek - 20.0324
AREA: S-R5
SITES: S-324L-05, S-324L-06
WRIA: 20.0324A, 20.0324AA
NAMES: Spike Cr, Lien Cr

DATE: 5/99

North from Forks on Highway 101 to MP 203.9. Turn left onto Burnt Mt. Road. (SR-113). Follow for 0.95 miles to Grant Rd. Channel, S-324L-05 crosses under SR-113 just beyond Grant Road.

S-324L-06
North from Forks on Highway 101 to MP 203.9. Turn left onto Burnt Mt. Rd. (SR-113). Follow for 0.95 miles to a private driveway to the right. The stream crossing is between the residence and the garage.





- 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