

Total existing habitat area (est.): 850 m²

Spawning area: 100 m²

Impounded area: 650 m²

Other rearing area: 100 m²

- The numbers for the impounded area reflect the coexisting impounded habitat between S-326L-04 and S-326L-07.

Spawning Habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat:

- The aggregate is small in size.
- The water is shallow for coho spawning. Resident trout should be able to utilize the spawning area.

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat:

- There are two beaver ponds associated with this channel. The first pond is a backwater influence from the beaver dam in S-326L-01. It impounds the lower 50 meters of the channel. The other is a result of plugged culverts which impound water behind the grade.
- The channel has some woody debris but could use more. Aquatic vegetation and skunk cabbage provide additional cover.
- The channel is well shaded by a deciduous forest with salmonberry and other brush species as understory.
- The channel has a gradient of 2 - 4%.

Describe unaccessible habitat: NA

Describe wetland: Bog Marsh Scrub-shrub Wetland Forested Wetland

- This channel drains a small portion of a large wetland. This channel and the associated tributaries drain the southeast portion of the wetland.
- This portion of the wetland is forested with a 60 - 80-year old deciduous forest with 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 zones could be interconnected.
- The predominant overhead shade producer is deciduous trees and brush species with some scattered conifers. The canopy closure ranges 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 understory (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 High

- May get some overbank storage from Johnson Creek during major storm events.

Fish Information:

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

- The channel flows into an impounded reach.

Coho access and use:

Juvenile- Unknown None Poor Fair Good

Adult- Unknown None Poor Fair Good

- Juveniles were observed in several places during the survey.
- It is not known if the beaver dams impede fry migration.
- Coho are documented to spawn in the mainstem of Johnson Creek below and above the wetland. There is no gravel in this channel for spawning

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

- Remove old culvert from abandoned grade.
- Tie this and three other channels together with a groundwater channel.
- Maintain the integrity of the channel and the overall wetland.

Equipment access: yes

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 |



RIVER: SOL DUC

TRIB: Johnson Creek - 20.0326

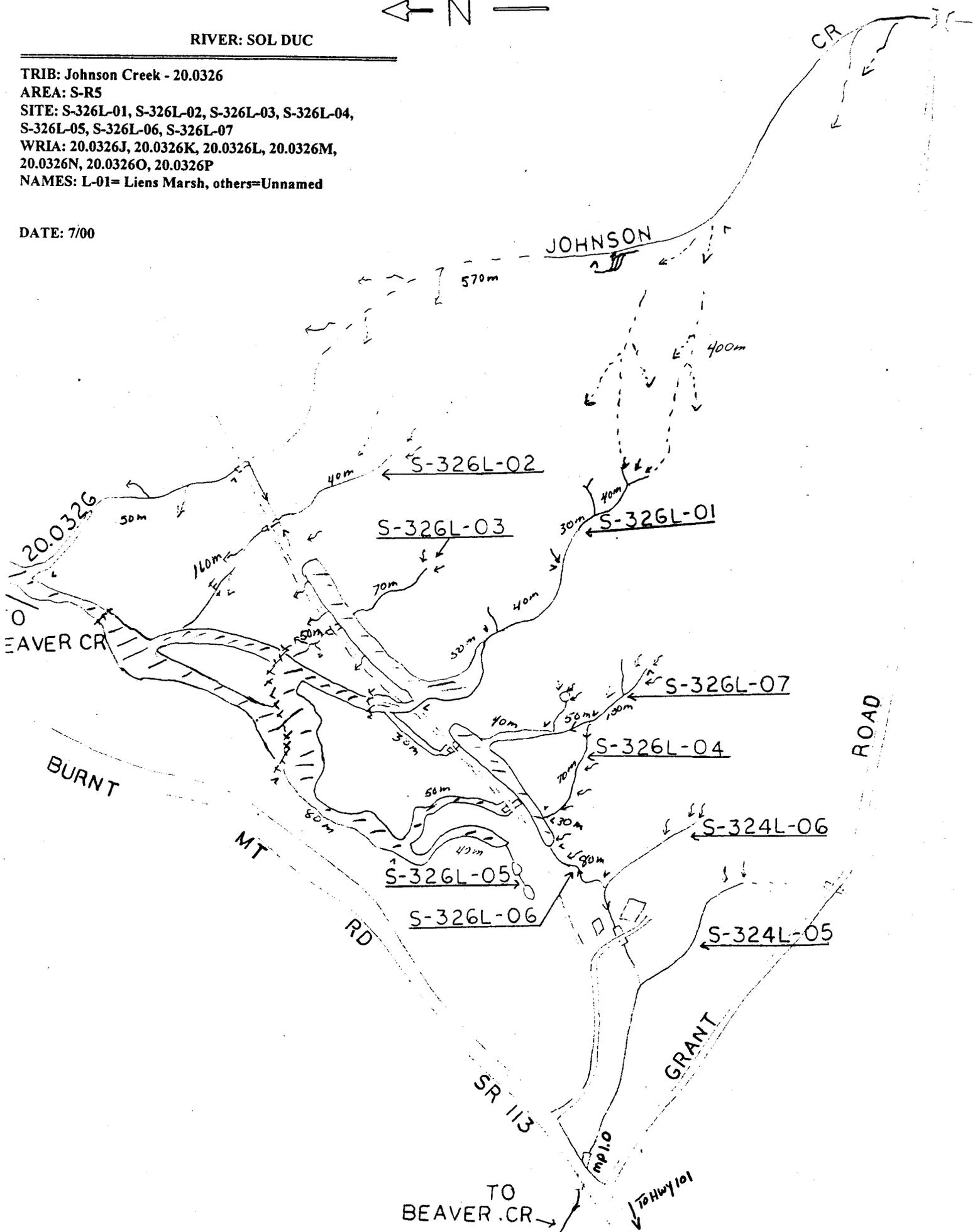
AREA: S-R5

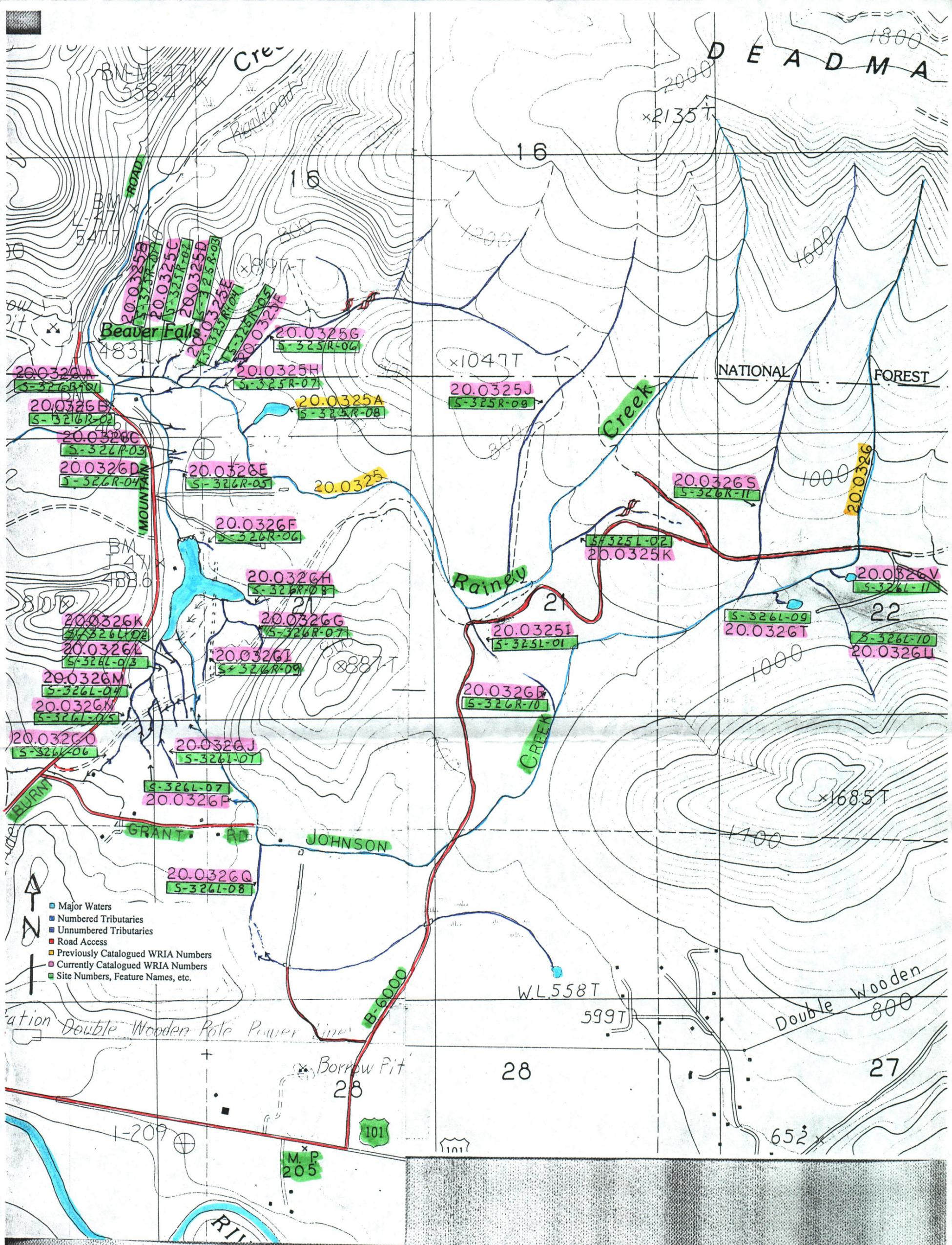
SITE: S-326L-01, S-326L-02, S-326L-03, S-326L-04,
S-326L-05, S-326L-06, S-326L-07

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



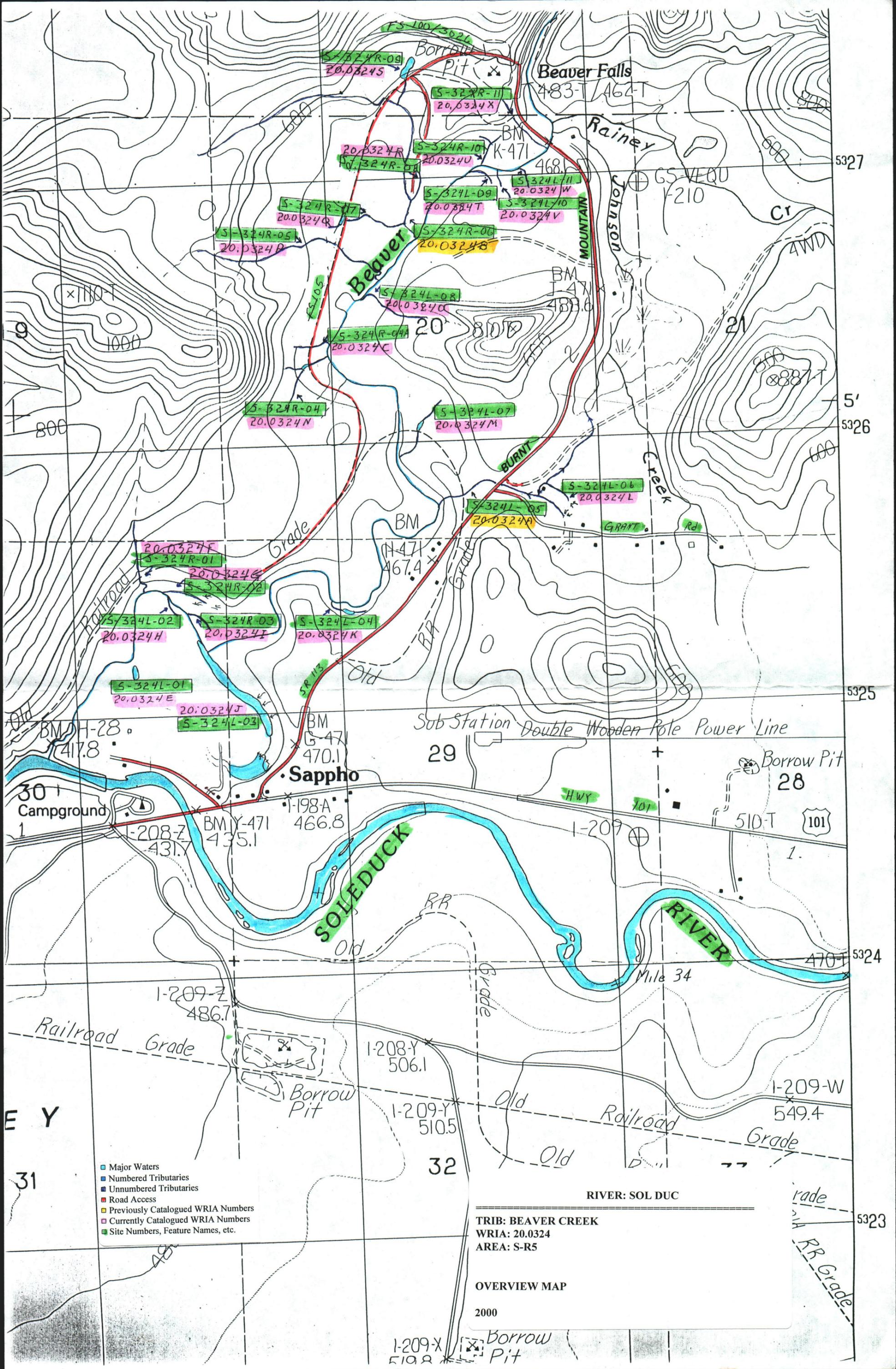


RIVER: SOL DUC

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
 510.2
 Borrow Pit