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): Powell

River System: Sol Duc

Date: 3/12/97

Site Identifier: S-R8-01

WRIA: 20.0344 A (P)

River Mile Location: 51.0

RB/LB: LB

Local Name: Heidelberg Creek

Trib. to: Sol Duc (20.0096)

Legal Description: SW¼ Sec 28 T30N R10W

County: Clallam

Habitat Type: Spring Creek

Landowner: (X) Federal () State () County () Other Government () Private
- National Forest

Directions to site:
Starting at Forks (Tillicum Park) drive north on Highway 101 for 24.4 miles to F.S. 2918 and take a right on this road. Follow this road for 0.7 mi and there will be a steep road veering off to the right. This road parallels S-R8-01. Also, F.S. 2918 road crosses and follows the upper reach of this channel at 0.8 mi.

Site Overview:
This short channel is diverse in it's various reaches in both channel width and channel gradient. It sources from springs on an upper terrace, wooded wetland flat then flows down a steep reach of boulder/cascades to an alder/brush flat till it reaches the river. The lower reach offers limited rearing opportunities, and the upper reach would offer additional rearing but it is unlikely that fish migrate above the cascades due to gradient.

Habitat Information:

Water source: Springs, surface runoff, road runoff

Intermittent/year-around:
- Possibly year-around

Estimated flows (cfs): 1

Water temperatures: 5.5° C

Adjacent stream temperature: 3.0° C

Other water observations: Water is clear

Site area measurements: () Indirect (X) Direct () Combination

Widths:	Channel- 0.5 m - 1.5 m	Ponds- NA	Wetlands- 3 m
Depths:	Channel- 7 - 25 cm	Ponds- NA	Wetlands- 30+ cm

Total length (includes ponds and wetlands): 160 m

Total existing habitat area (est.): 220 m²

Spawning area: 0
Impounded area: 0
Other rearing area: 220 m²

Spawning Habitat conditions: (X) None () Poor () Fair () Good () Excellent

Describe spawning habitat:

- Lower reach of channel is mud and the mid reach (downstream from culvert) has gravel but the gradient is steep.

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

Describe pond and other rearing habitat:

- This channel has a canopy of alder and vine maple.
- There is in stream cover from some LOD, and small woody debris.
- Most of the presumed accessible habitat is the short (65 m) lower reach.

Describe unaccessible habitat:

- It is assumed that the boulder/cascades at the mid reach are a barrier due to gradient.
- The unaccessible habitat is a small (40 m long) wooded wetland upstream from the road crossing.

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

- The upper reach flows through small conifer, alder and brush.
- There is water parsley and other aquatic vegetation growing in the upper channel.

Flooding potential: () Low (X) Medium () High

- Overbank flows may effect the lower reach.

Fish Information:

Site entry condition to (Sol Duc River 20.0096): () Poor (X) Fair () Good

- The channel's egress is very narrow with a small drop into a straight stretch in the river.

Coho access and use:

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

- Coho juveniles have been minnow trapped in the lower reach.

Other species access and use: () Chum () Pink () Sockeye () Chinook (X) Trout

- Trout have been minnow trapped in the lower reach.

Habitat Improvements:

Enhancement opportunities:

- I do not believe upper terrace can be made accessible due to gradient climb.
- There is equipment access to this site.
- Maintain integrity of channel.

Attachments Available:

Contact respective SSHEAR habitat biologist for the following checked items:

(X) Aerials	(X) Sketch	(X) Maps	() Culvert Report
() Other references	() Spawning surveys	(X) Juvenile trapping	() Fishway Report

NORTH COAST OFF CHANNEL SURVEY
SUBSEQUENT SITE EVALUATION FORM

River System: Sol Duc

Site No.: S-R8-01
Site Name: Heidelberg Creek
WRIA: 20.0344A (P)

DATE: 3-14-97 **OBSERVER:** Powell

MINNOW TRAPPING REPORT

TRAP	DATE SET	TEMP	DATE PULLED	TEMP	CATCH COHO UMRK	COHO MRK	RBT	CUTT	COTTID
1	3/14	5.5°C	3/14	6.5°C	0	0	0	0	0
2	3/14	5.5°C	3/14	6.5°C	0	0	1	0	0
3	3/14	5.5°C	3/14	6.5°C	2	0	2	1	0
4	3/14	5.5°C	3/14	6.5°C	0	0	0	0	0
5	3/14	5.5°C	3/14	6.5°C	0	0	0	0	0
6	3/14	5.5°C	3/14	6.5°C	0	0	0	0	0
				TOTALS:	2	0	3	1	0

COMMENTS:
-Traps were fishing between ~0820 hr to ~1430 hr.
-Trap 1 was placed ~15 m from egress.
-Trap 2 was placed ~30 m from egress.
-Trap 3 was placed ~30 - 33 m from egress.
-Trap 4 was placed ~5 m upstream from culvert.
-Trap 5 was placed ~10 m upstream from culvert.
-Trap 6 was placed ~10 - 13 m upstream from culvet.

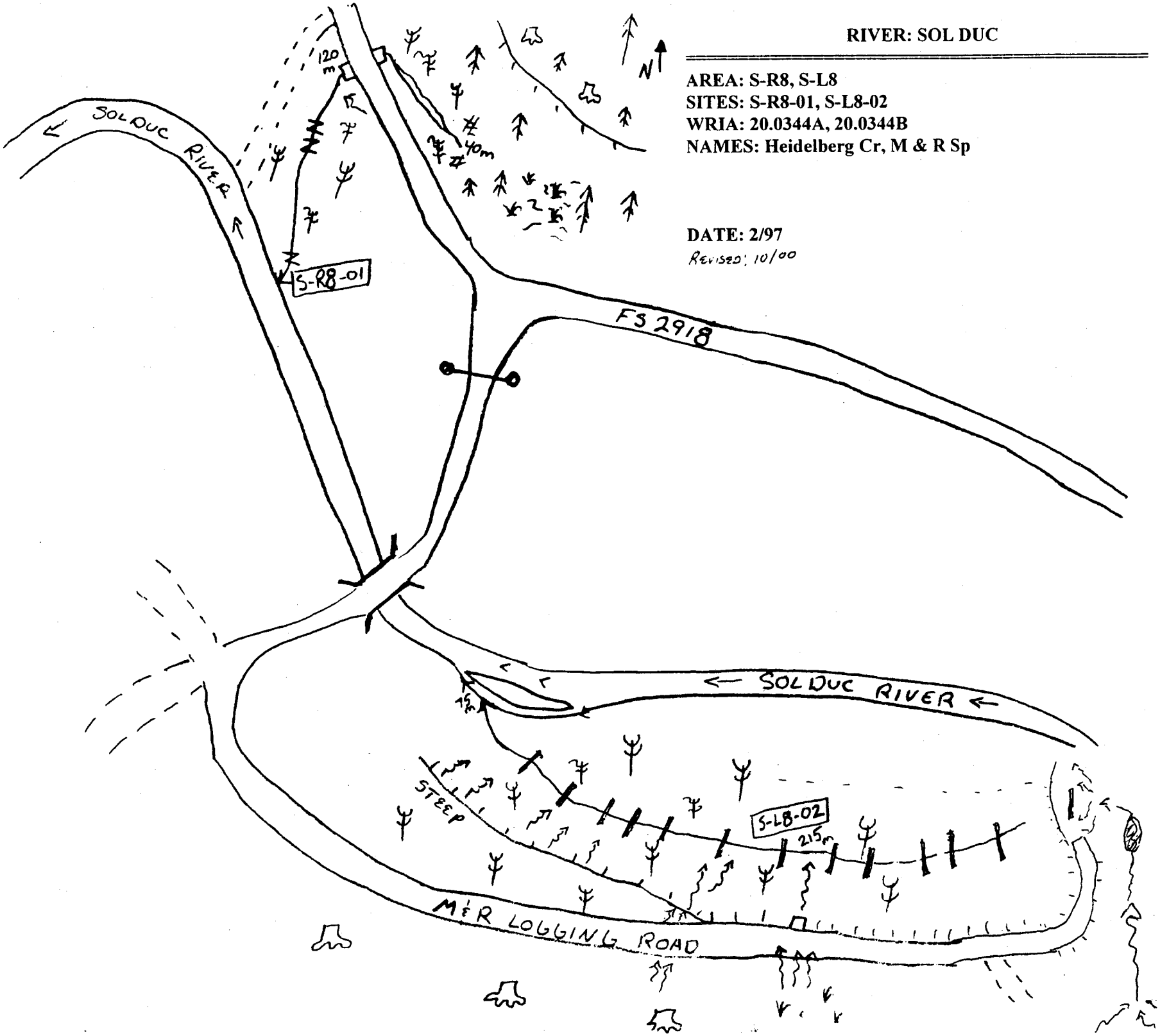
DATE: 8-28-97 **OBSERVER:** Powell

It has been dry for ~6 week then we recieved ~2 inches of rain; this channel was flowing about 0.25 cfs at it's egress

RIVER: SOL DUC

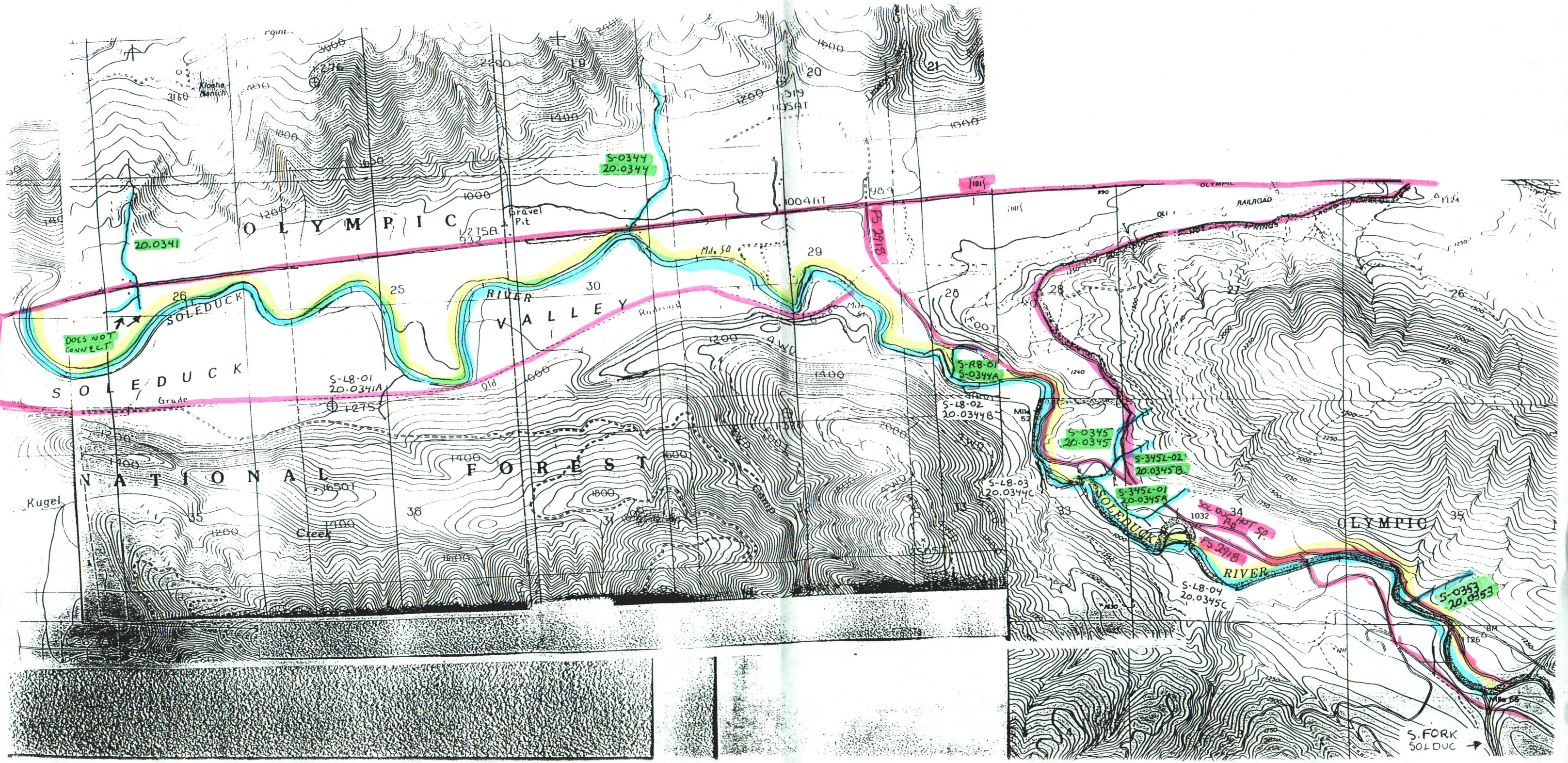
AREA: S-R8, S-L8
SITES: S-R8-01, S-L8-02
WRIA: 20.0344A, 20.0344B
NAMES: Heidelberg Cr, M & R Sp

DATE: 2/97
REVISED: 10/00



RIVER: SOL DUC

AREA: S-R8

AREA MAP

DATE: Spring/97