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: 2/10/00

Site Identifier: S-333R-01

WRIA: 20.0333B (P)

River Mile Location: 0.41

RB/LB: RB

Local Name: Unnamed

Trib. to: 20.0333 (Redoubt Cr)

Legal Description: NW¼ Sec18 T30N R11W

County: Clallam

Habitat Type: Valley wall tributary

Landowner: (X) Federal (X) State () County () Other Government () Private
- Washington Dept of Natural Resources
- National Forest, USFS

Directions to site:
Starting at Forks (Tillicum Park), drive north on Highway 101 for 16.3 miles (mp 208) to West Twin Road (FS 30 Road). Take a left on this road and follow for 2.85 miles. At this point, the road and Bear Creek are at close proximity. There is a wide spot on the left-hand side of the road. Park here and cross Bear Creek. The egress of Redoubt Creek (S-0333) should be obvious. Follow Redoubt Creek upstream for ~ 0.8 miles. S-333R-01 will be the first encountered right bank tributary; it is directly upstream of several very large debris jams.

Site Overview:
This is a moderate to a high gradient channel that experiences flushing flows. In the lower reach, the stream is eroding the steep left bank which runs parallel with Redoubt Creek for a short distance. The substrate is a combination of rock, boulder and gravel. The upper reach becomes increasingly incised and has numerous bedrock falls. The riparian is dominated by alder and brush. The steep banks and upper channel have mature conifers. There is some cover/pools provided by large woody debris, boulders, and overhang. The physical characteristics of this stream are more conducive to resident trout but flows may be limiting.

Habitat Information:

Water source: Tributaries and surface runoff

Intermittent/year-around:
- Probably intermittent

Estimated flows (cfs): 3.5 - 4

Water temperatures: 5.5° C

Adjacent stream temperature: 5.5° C

Other water observations:

Site area measurements: () Indirect (X) Direct () Combination
Widths: Channel- 1.5 m - 2.5 m Ponds- NA Wetlands- NA
Depths: Channel- 5 cm - 30 cm Ponds- NA Wetlands- NA
Total length (includes ponds and wetlands): 225+ m (trout habitat above end point?)

Total existing habitat area (est.): 450+ m^2
Spawning area: 150 m^2
Impounded area: 0 m^2
Other rearing area: 300 m^2

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

Describe spawning habitat:
- Overall, the spawning habitat is more conducive to resident trout due to gradient and small areas of gravel.
- The substrate has a high proportion of rocks and boulders.
- Flows may be a limiting factor.

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

Describe pond and other rearing habitat:
- Overhang and brushes are the cover structures in the lower reach. There are some in-channel large conifers attributed to the eroding left bank.
- Upstream, there are large woody debris pieces and boulder that form pools and cover.
- Alder is the dominant species and there are large conifers on the steep side slopes. Brush is heavy along the stream margins.
- The gradient initially is ~ 7% and continues to become steep as the channel becomes incised.
- The upper surveyed reach was a series of impassable bedrock falls.
- This stream does experience high flows.
- This channel may provide limited trout habitat.

Describe unaccessible habitat:
- This channel may not be accessible to anadromous fish due to the large debris jams downstream on Redoubt Creek.

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

Flooding potential: () Low () Medium (X) High
- Evidence of high flushing flows were observed.

Fish Information:

Site entry condition to (20.0333): ()Poor () Fair (X) Good
- There is an open egress into Redoubt Creek.

Coho access and use:
Juvenile- (X) Unknown ()None () Poor () Fair () Good
Adult- (X) Unknown ()None () Poor () Fair () Good
- Channel may not be accessible to anadromous fish due to debris jams on S-0333.

Other species access and use: () Chum () Pink () Sockeye () Chinook (X) Trout
- This channel may offer limited trout habitat if flows are not limiting.

Habitat Improvements:

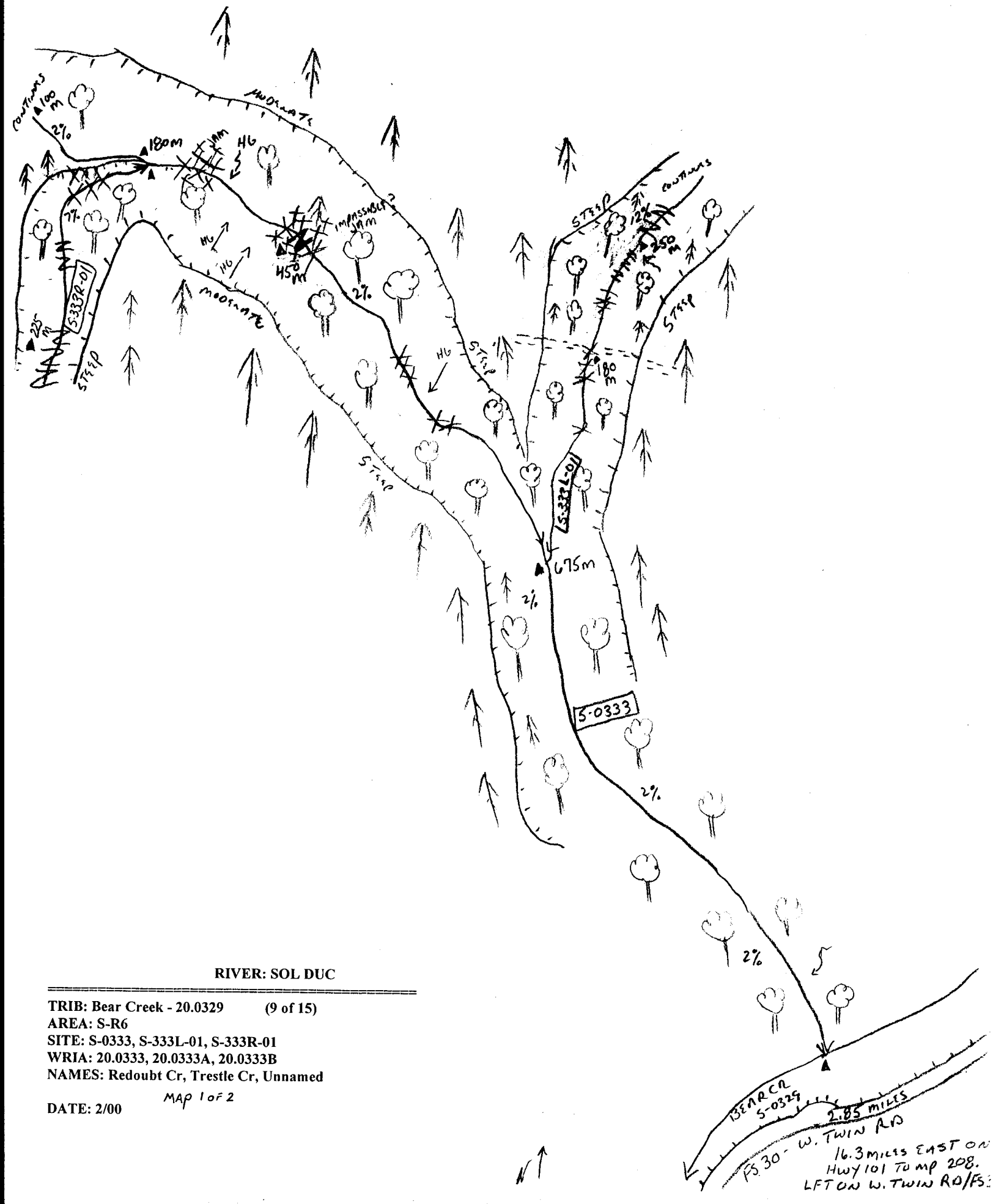
Enhancement opportunities:

Additional Comments:

Attachments Available:

Contact respective SSHEAR habitat biologist for the following checked items:

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

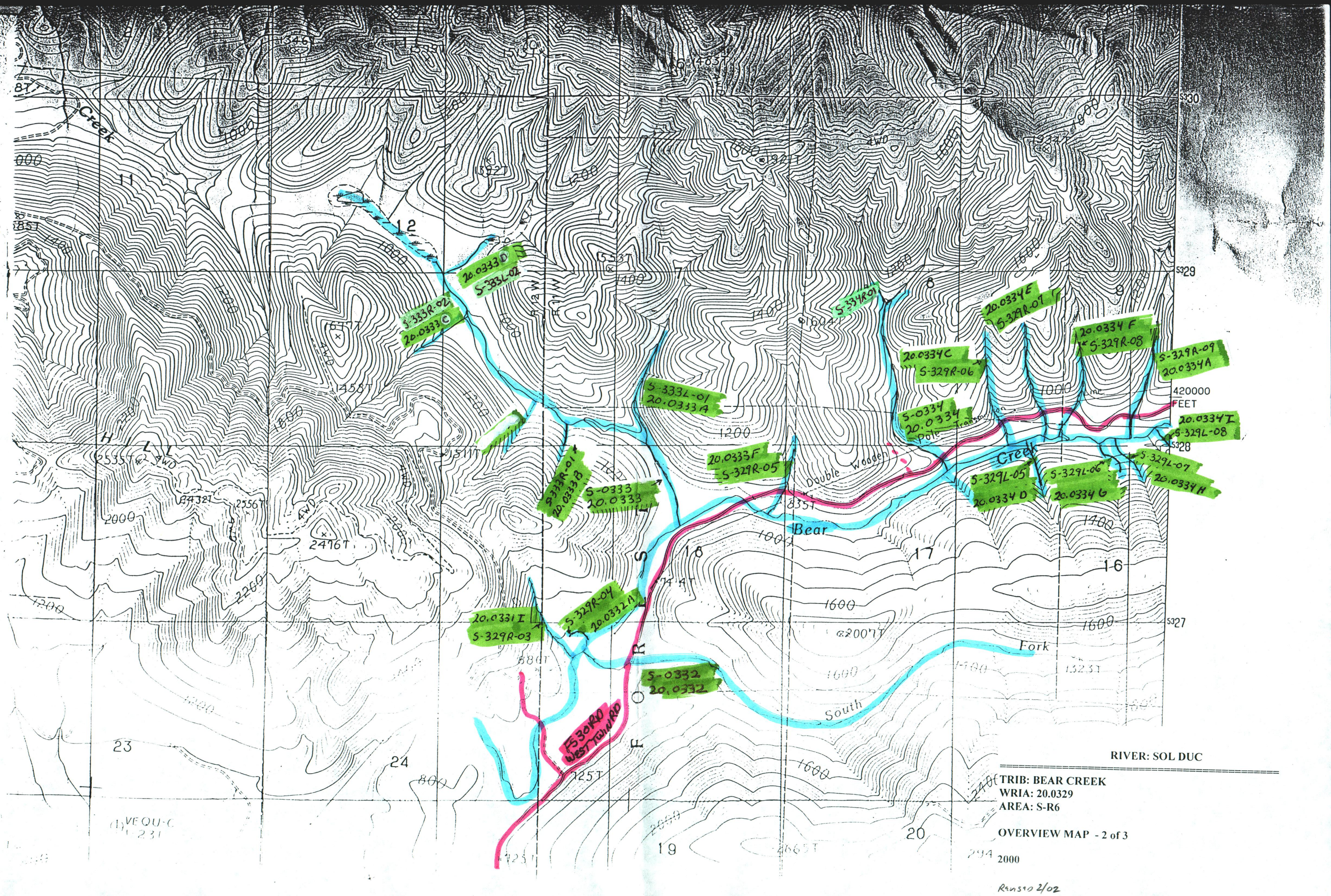


RIVER: SOL DUC

TRIB: Bear Creek - 20.0329 **(9 of 15)**
AREA: S-R6
SITE: S-0333, S-333L-01, S-333R-01
WRIA: 20.0333, 20.0333A, 20.0333B
NAMES: Redoubt Cr, Trestle Cr, Unnamed

MAP 1 of 2

DATE: 2/00



RIVER: SOL DUC

TRIB: BEAR CREEK
WRIA: 20.0329
AREA: S-R6

OVERVIEW MAP - 2 of 3

2000

Revised 2/02