

SITE INFORMATION

Site Identifier : SS13LB11 **Landowner Type :** Federal
Site Name : **Landowner Name :** USFS
WRIA : O5.0001X **Address :**
Region : NS **Address2 :**
Trib to : SF Stillaguamish R **City :**
River Mile : 66.80 **State :**
River System : SF Stillaguamish R **Zipcode :**
Legal Description : NW1/4S35T30NR10E **Phone :**
County : Snohomish
Habitat Type : lower valley wall tributary

Coordinates	
East: 1,758,570.00	North: 991,599.00

Directions :

Follow the Mountain Loop Highway out of Granite Falls to the Forest Service 4065 road on the right that leads to the trail head for the Sunrise Mine Trail (approximately 0.4 miles past Buck Creek). Go down this road for 0.5 miles to Palmer Creek and park here. Hike downstream to the the SF Stillaguamish R. Hike down the river 0.3 miles to the site on the left bank.

Area Overview :

This is a large, moderate to high gradient stream that is primarily fed by snow melt. The upper section of this site was dry on the day of the survey and there were good numbers of juvenile coho observed in the lower, wetted reach.

Field Survey Information

Date : 10/22/02 **Observer :** Olis **Survey Type :** initial

HABITAT INFORMATION

Water Source: () Spring (X) Groundwater (X) Surface runoff

Flow: () Intermitent (X) Year-round

Estimated Flows (cfs): Lower end: 0.2
Upper end: 0

Water Temperature(C): Lower end: 7.8
Upper end:

Receiving Water Temperature (C): 6.7

Other Observations:

Site Area Measurements: () Indirect (X) Direct () Combination

Widths: Channel: 6 Ponds: Wetlands:

Depths: Channel: 0.2 Ponds: Wetlands:

Total length (includes ponds and wetlands): 564

Total existing habitat area (est. m2): 3404

Spawning area: Mainstem: 20 Tribs: Total:

Impounded area: Mainstem: Tribs: Total:

Other rearing area: Mainstem: 3384 Tribs: Total:

Unaccessible habitat: Mainstem: Tribs: Total:

Spawning habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat: In the lower 80 meters of the site, there is some spawning gravel present. The gravel size ranges from 2" to 4"; there is good amount of in-stream cover from LWD; and there is good overhead cover from brush along the banks.

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat: The initial 44 meters of the stream is low gradient with good amounts of LWD present, creating some nice pool/riffle habitat. From 44 meters to 249 meters is an area of braided channels created by several deposits of wood and bedload material. The stream gradient in this section is in the 4%-5% range. From 249 meters to the end of the survey at 564 meters, the stream gradient is at 5% grade initially and then increases to 18%. The channel substrate is all boulders in this upper reach and was dry on the day of the survey.

Describe unaccessible habitat:

Wetland type: Bog Marsh Scrub-shrub Forested

Describe:

Flooding potential: Low Medium High

Describe: The lower 25 meters can be affected by the mainstem as there is a small overflow channel located here. The upstream section has high flows of its own with several areas of debris deposits creating a large area of braided channels.

FISH INFORMATION

Site entry condition: Poor Fair Good

Describe: This site enters into a river side channel.

Coho access and use: Juvenile Unknown None Poor Fair Good
Adult Unknown None Poor Fair Good

Describe: There were good numbers of juvenile coho observed on the day of survey. Some were trapped in isolated pools in the channel braided area. Adults can access this site also and spawn in the lower end of the site.

Other species acces and use: Chum Pink Sockeye Chinook Trout

Describe: This site is accessible to trout also.

ENHANCEMENT OPPORTUNITIES: None

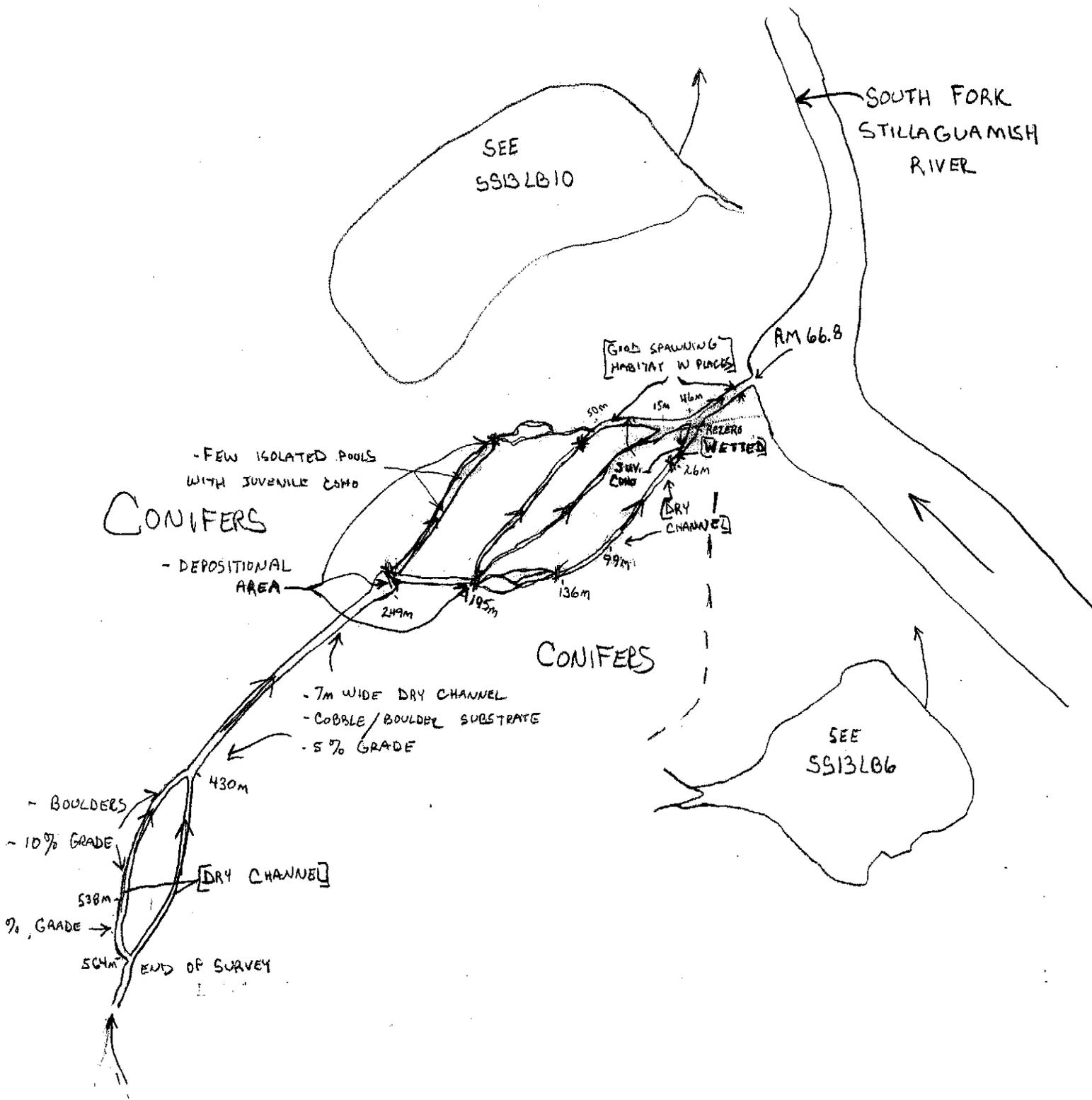
Project type:

Equipment access:

ADDITIONAL COMMENTS: Most of this site was dry on the day of the survey and the amount of square meters of available habitat was estimated using the dry channel widths.

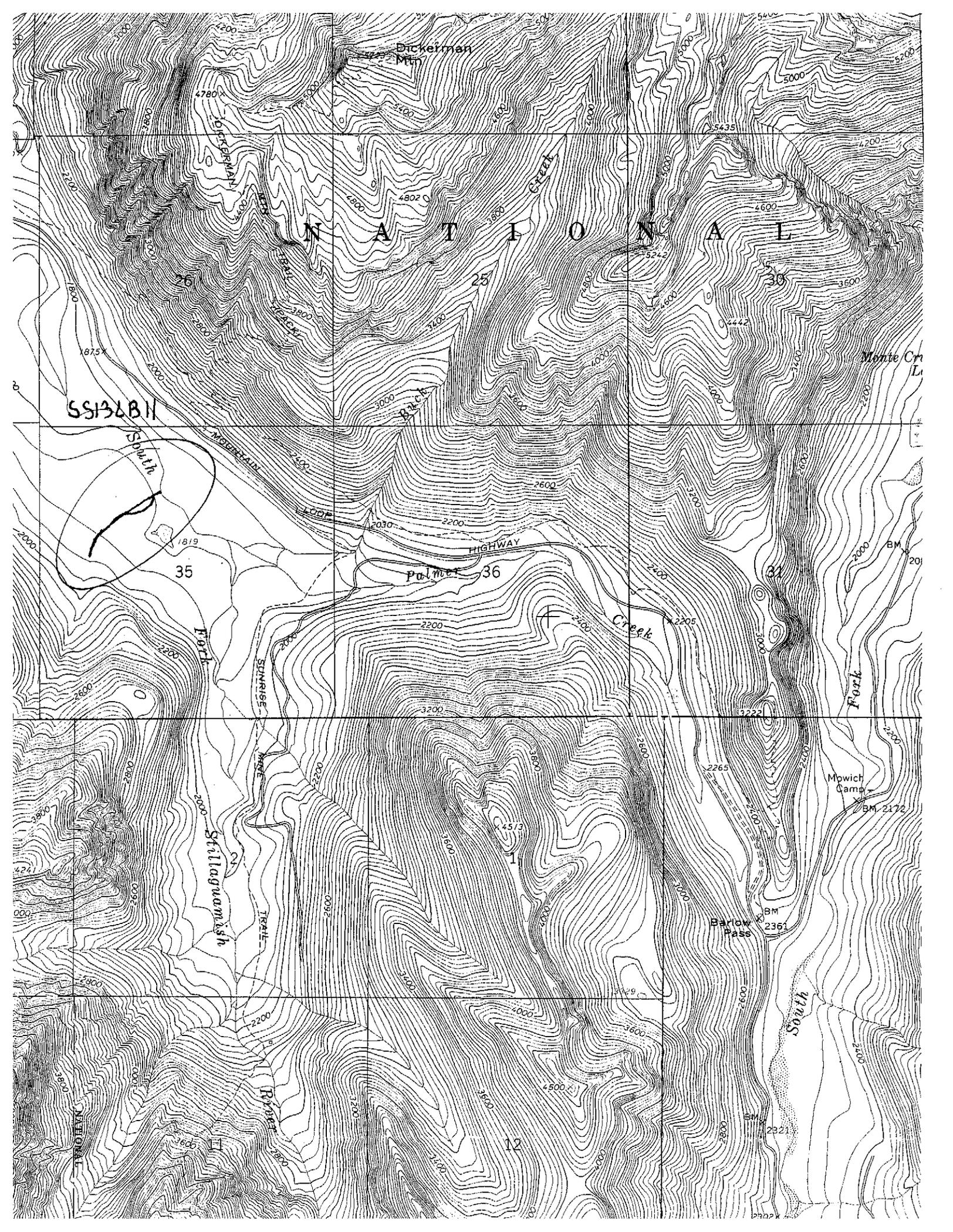
ATTACHMENTS AVAILABLE

Aerials Sketch Maps Spawning Surveys Juvenile Trapping
 Other References



Site id. code: SS13LB11
 Site name:
 Scale: 1" = 90m
 Observer(s): OLIS
 Legal location: NW 1/4 S35 T30N R10E





SS13LB11

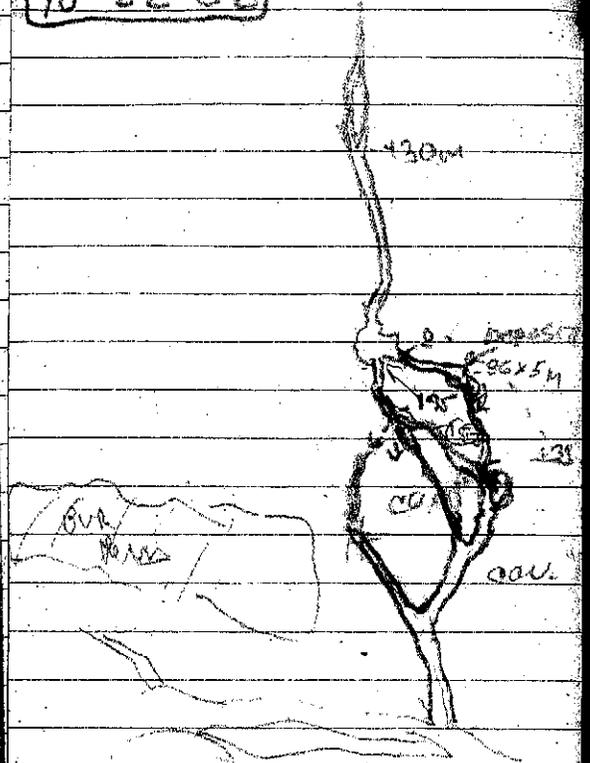
RM 66.8

NW 1/4 S35T30N R10E

X- 1758570

Y- 991599

10-22-02



O.D. ENTRY

FLOW - 0.2

ACCESS - GOOD (SIDE CH.)

WT 46° UP

RWT 44°

44m W 3m

- 6m CHANNEL THAT IS

1/2 WIDTH

- 10m² SPAWN

- 2-4" DE

GOOD LAND & COVER

- TRIP ON RB

* REZROWING & GROWING UP

RB TRIP.

26m w/w 2.9m

- MOSTLY POOL - BARGLY FLOWING

- JUV. COALS PRESENT
- @ A DEBRIS JAM
TIDE CHANNEL IS
WETTED DOWNSTREAM
DLY UPSTREAM

99m w/w 3.6m

- MOSTLY DRY CH w/
A FEW ISOLATED POOLS
COARSE SAND, w/
A FEW GRAVEL PEBBLES

136m w/w 3m

- AREA OF BRAIDED
CHANNEL & D.B. JAM

195m BRAIDED CHANNELS

BACK TO MORE DRY CH
DEBRIS JAM IS FOCAL
CHAN. TO MILE 13?

249m w/w 4m

- @ 15m WIDE DEPOSITION
AREA

430m w/w 7m

- 50% GRAVEL
- COARSE BOWLDERS
STAMP ROCKS

GOWNS UP L BRAID

538m 6m

- 10% GROUT

- BOLLARD

564 UPSTREAM END
OF BRAID

6m WIDE - 15-18%
END OF SURVEY

REZERO BACK @
LAWSON

15m W W 6m
POOL / RIFF



@ Fork
GOWNS UP LP (LARGE)

50m W W 5m
CORALS

63m W W 3m
- @ DEBRIS JAW

102m W W 2.5m
- @ BASE OF DEBRIS
JAW AND STRIPS
FROM OTHER FORK
- END OF WATER

1520

WASTE STAYS OUT
FROM WORK

DEBRIS DAM

DRY CHANNEL

WSDOT