

SITE INFORMATION

Site Identifier : SA8LB3 **Landowner Type :** Federal
Site Name : Constant Channel **Landowner Name :** USFS
WRIA : 03.1110A **Address :**
Region : NS **Address2 :**
Trib to : Sauk R **City :**
River Mile : 27.70 **State :**
River System : Sauk R **Zipcode :**
Legal Description : SW1/4S4T31NR10E **Phone :**
County : Snohomish
Habitat Type : man-made impoundment

Directions :

Take highway 530 to Darrington, turn right on the Mountain Loop Highway and follow for seven miles. Site is located at the end of the dirt road to the left.

Area Overview :

Site is a 1800' excavated groundwater fed spawning and rearing channel constructed in 1991 by W.D.F.

Field Survey Information

Date : 02/28/1996 **Observer :** Barkdull **Survey Type :** initial

HABITAT INFORMATION

Water Source: Spring Groundwater Surface runoff

Flow: Intermittent Year-round

Estimated Flows (cfs): Lower end: 2
Upper end: 0.1

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

Receiving Water Temperature (C):

Other Observations:

Site Area Measurements: Indirect Direct Combination

Widths: Channel: 5.5 Ponds: Wetlands:

Depths: Channel: 0.5 Ponds: Wetlands:

Total length (includes ponds and wetlands): 520

Total existing habitat area (est. m2): 2860

Spawning area: Mainstem: 1143 Tribs: Total: 1143

Impounded area: Mainstem: Tribs: Total:

Other rearing area: Mainstem: Tribs: Total:

Unaccessible habitat: Mainstem: Tribs: Total:

Spawning habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat: Graded drain rock was placed specifically for spawning

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat: rearing conditions will improve as vegetation is re-established

Describe inaccessible habitat:

Wetland type: Bog Marsh Scrub-shrub Forested

Describe:

Flooding potential: Low Medium High

Describe: A berm was constructed to stop over topping by flood flows but backwatering occurs

FISH INFORMATION

Site entry condition: Poor Fair Good

Describe: site is located at a riffle but boulders were placed at the mouth to improve the conditions

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

Describe: Out-migrant trapping indicates 350-750 coho smolts a year leave the site, adult coho and chum use is extensive.

Other species access and use: Chum Pink Sockeye Res. Trout Anad trout

Describe: Adult chum have been observed, steelhead smolts, cutthroat and Dolly Varden have been trapped.

ENHANCEMENT OPPORTUNITIES

Project type:

Equipment access:

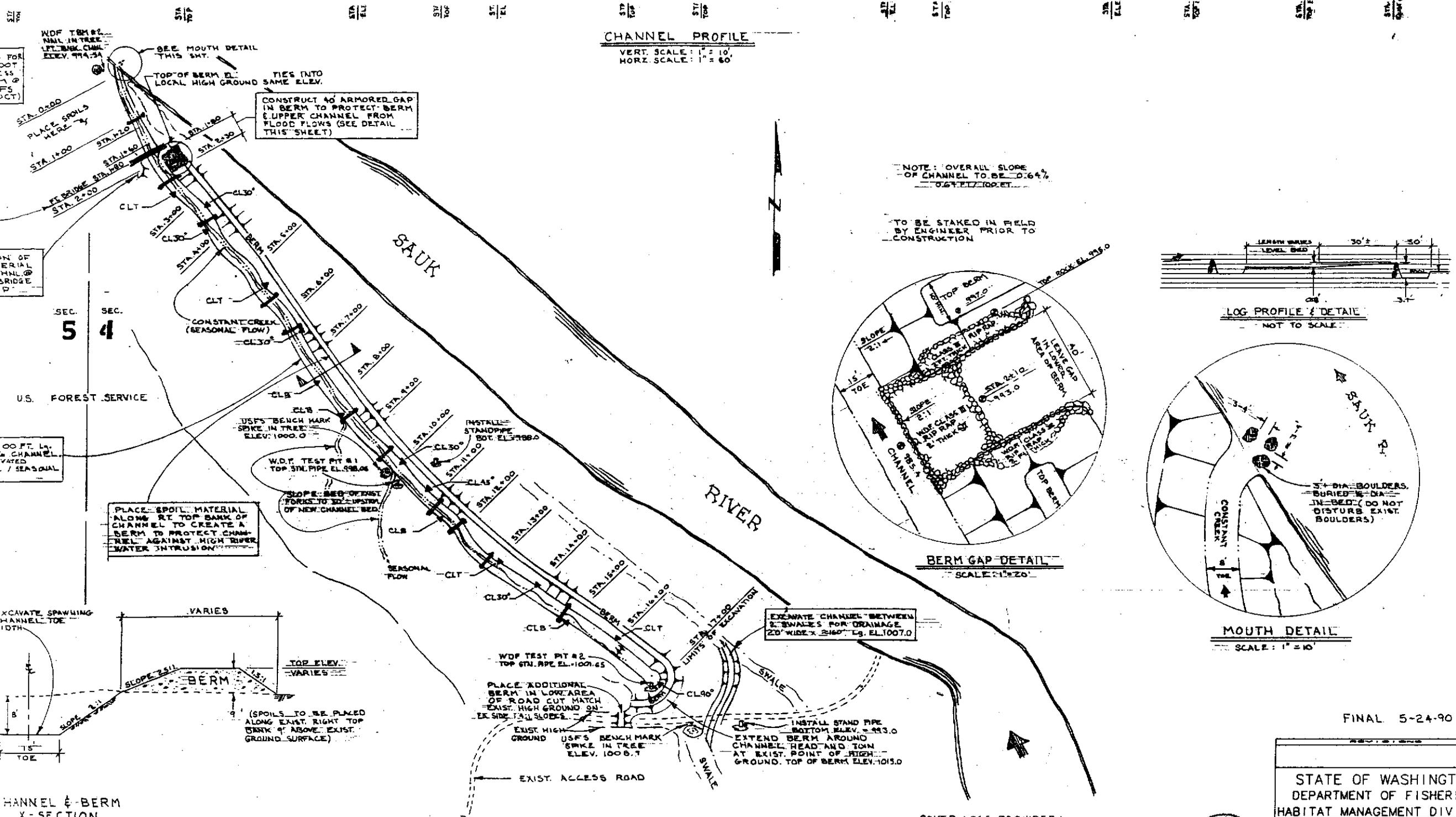
ADDITIONAL COMMENTS

ATTACHMENTS AVAILABLE

Aerials Sketch Maps Spawning Surveys Juvenile Trapping
 Other References

CHANNEL PROFILE

VERT. SCALE: 1" = 10'
 HORZ. SCALE: 1" = 60'

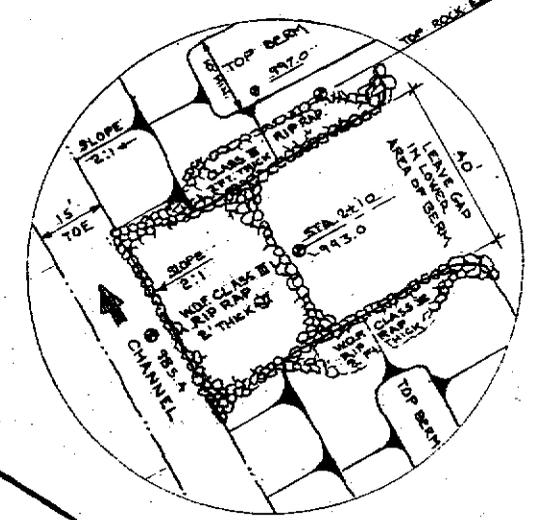


NOTE: OVERALL SLOPE OF CHANNEL TO BE 0.64% (0.64' PER 100.0')

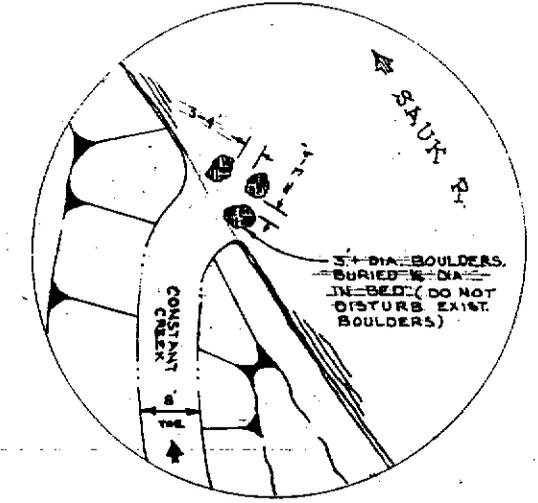
TO BE STAKED IN FIELD BY ENGINEER PRIOR TO CONSTRUCTION



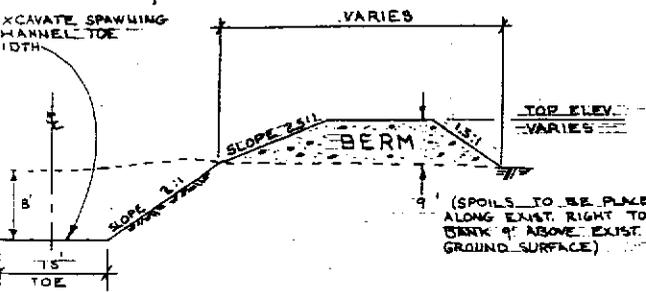
LOG PROFILE & DETAIL
 NOT TO SCALE



BERM GAP DETAIL
 SCALE: 1" = 20'



MOUTH DETAIL
 SCALE: 1" = 10'



CHANNEL & BERM X-SECTION
 SCALE: 1" = 10'

PLAN VIEW
 SCALE: 1" = 100'

- COVER LOGS REQUIRED:
- (7) 40' L x 18" D FOR CANTILEVERED LOGS
 - (8) 20'-30' x 18" D FOR CLT & CLB STRUCTURES
 - (4) 20' L x 12" D FOR BURIED PART



FINAL 5-24-90

STATE OF WASHINGTON
 DEPARTMENT OF FISHERY
 HABITAT MANAGEMENT DIVI
 SAUK RIVER SYSTEM
 CONSTANT CREEK