

SITE INFORMATION

Site Identifier : BA1RB2 **Landowner Type :** Federal
Site Name : Zander Cr **Landowner Name :** USFS
WRIA : 03.1774X **Address :**
Region : NS **Address2 :**
Trib to : Bacon Cr **City :**
River Mile : 3.75 **State :**
River System : Bacon Cr **Zipcode :**
Legal Description : SE1/4S6T36NR11E **Phone :**
County : Skagit
Habitat Type : man-made impoundment

Directions :

Take Highway 20 past Marblemount to Bacon creek and turn left on the Bacon creek road. Go for approximately 4.5 miles to road on left. Turn left, go over Bacon creek and follow this road down river to Falls creek. Hike over Falls creek, pick up the old road and follow it for about 0.1 miles to the site.

Area Overview :

This is a terrace trib that has been enhanced by the Skagit System Co-op. It has two 100m long excavated channels at the head end. It also has some recent beaver activity creating more coho rearing habitat.

Field Survey Information

Date : 10/27/1997 **Observer :** Olis **Survey Type :** initial

HABITAT INFORMATION

Water Source: Spring Groundwater Surface runoff

Flow: Intermittent Year-round

Estimated Flows (cfs): Lower end: 1.0
 Upper end: none

Water Temperature(C): Lower end: 8.3
 Upper end: 8.3

Receiving Water Temperature (C): 8.8

Other Observations:

Site Area Measurements: Indirect Direct Combination

Widths: Channel: 4m Ponds: Wetlands:
 Depths: Channel: 30cm Ponds: Wetlands:
 Total length (includes ponds and wetlands): 515m

Total existing habitat area (est. m2): 3695

Spawning area:	Mainstem: 20	Tribs:	Total:
Impounded area:	Mainstem:	Tribs:	Total:
Other rearing area:	Mainstem: 3675	Tribs: Tribs:	Total: Total:
Unaccessible habitat:	Mainstem:	Tribs:	Total:

Spawning habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat: There is one large patch of gravel that appears to have been added. It consists of 3"- 4" gravel and is in pooled habitat. There are a couple of other small patches of gravel that ranges from 1" to 2", that is in riffled habitat, and has good cover.

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat: Approximately 60% of this site has pooled or slow-moving habitat. In the excavated sections there is a fair amount of woody debris present with green algae growing on the substrate. Most of this site has good brushy cover and alder lined banks. Beaver activity on the site also provides some impounded habitat but access may depend on high flows.

Describe unaccessible habitat:

Wetland type: Bog Marsh Scrub-shrub Forested

Describe:

Flooding potential: Low Medium High

Describe: Most of the site is up out of the Bacon creek flood plain with only the entry area seemingly to be affected by flood events.

FISH INFORMATION

Site entry condition: Poor Fair Good

Describe: Site flows into a side channel.

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

Describe: This site does get coho use and has been trapped by the Skagit System Co-op in the past. Please contact the Skagit System Co-op for this information.

Other species access and use: Chum Pink Sockeye Chinook Trout

Describe: A 6" trout was observed during the survey and the Skagit System Co-op may have records of use in their trapping data.

ENHANCEMENT OPPORTUNITIES: Site has already been enhanced by the Skagit System Co-op.

Project type:

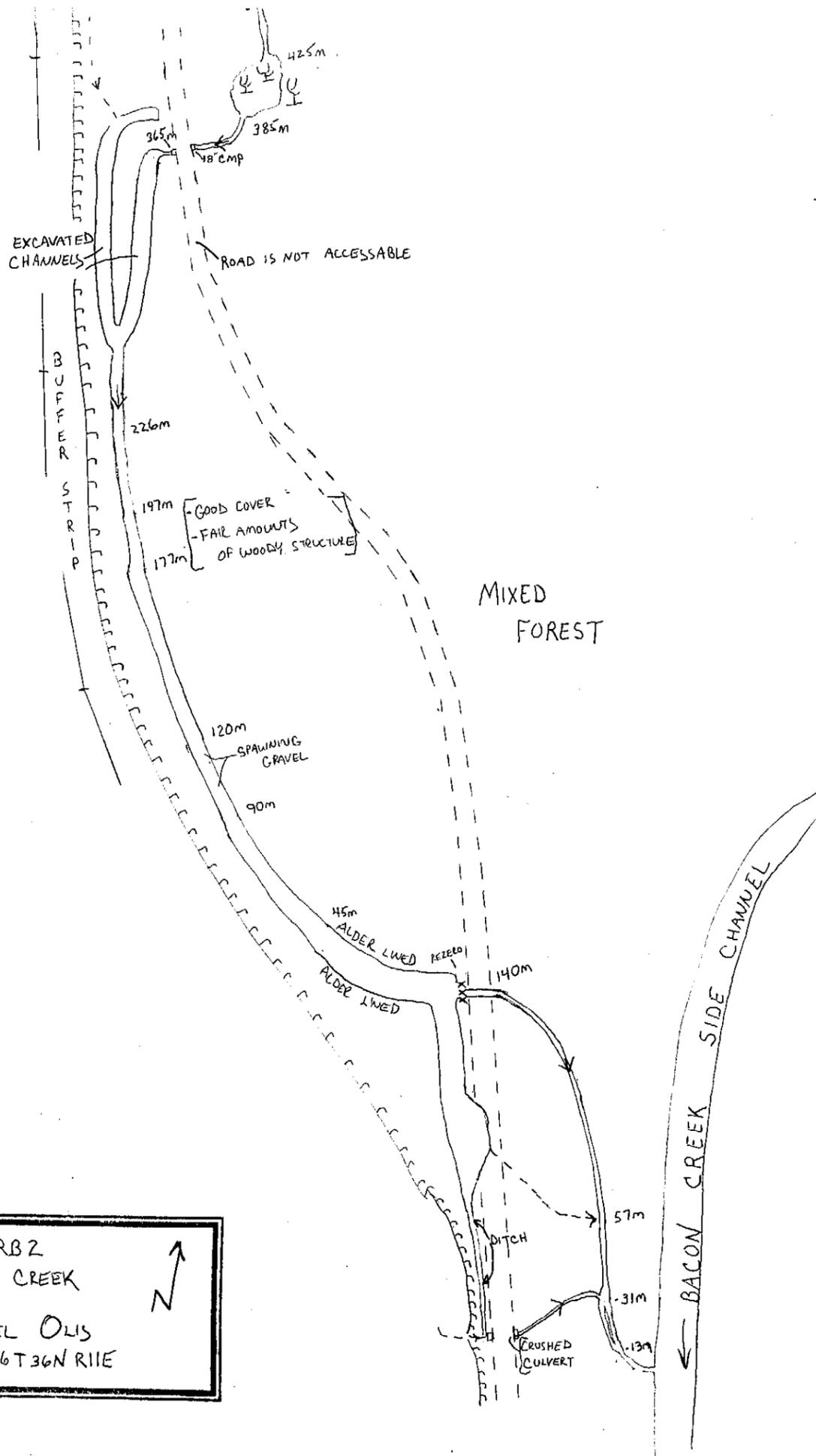
Equipment access:

ADDITIONAL COMMENTS: It is possible that the Skagit System Co-op may also have spawner survey records for this site.

ATTACHMENTS AVAILABLE

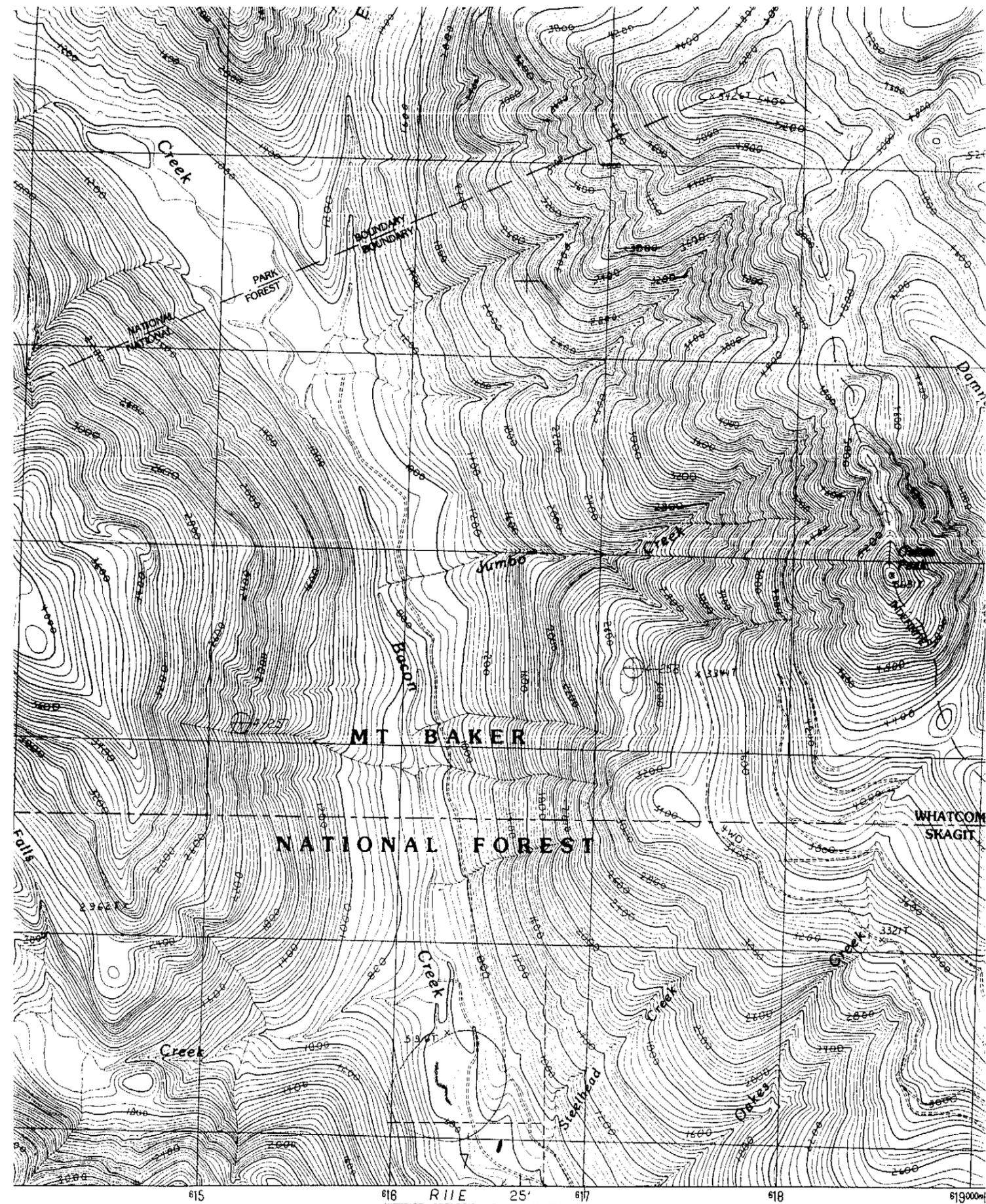
Aerials Sketch Maps Spawning Surveys Juvenile Trapping
 Other References

CLEAR
CUT



Site id. code: BA1RB2
Site name: ZANDER CREEK
Scale: 1" = 45m
Observer(s): MICHAEL OLIS
Legal location: SE 1/4 S6 T36N R11E





615

616

R11E

25'

617

618

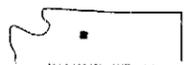
619000m

SCALE 1:24 000

0 KILOMETERS

1

2



BA1 RB2

RM 3.75

SE 1/4 S6 T36N R11E

10/27/97



BROOM OR SIDE CH.

O.O ENTRY

STEM TEMP - 47°
REC. WTR TEMP 48°
FLOW - 1 CFS
ACCESS - GOOD

13m WW 2m

- RIFF
- P-GR SAND SUBSTR

3m → BRAIDED CH.

WW 2m EACH
- RIFF - 6" - 10" DEEP
- 1" GR → P GRAVE
- 2cm² OF SP HAE.
- TRIB - ON RB

31m ... TRIB IS
- NOT ACCESSABLE
- IT GOES STRAIGHT UP
TO ROAD AND 3' CMP.

57m WWS 3m
- SLOW MOVING
- SILT/SAND SUBS. P
W/SOME BOULDERS
- WT. TRIB ON RB

140m WWS 2.5m
- 60/40 P/R
- WOODY DEBRIS
CREATING POOLS
- COUPLE 2-4" GR. POOLS
- (1) RD. 4m...

... BUR DAM
CHANNEL APPEARS
TO FORK
- WILL REZERO &
GO UP R-FORK.

28m WWS 8m POOL
ALDER LINED

40m WWS 17m
- RD FLOODED FROM
BUR DAM. WATER
SPILLING OVER EDGE
LAND FLOWING BACK
TO MAINSTEM
- MANY FALLEN ALDERS

92m WW 1.5m

- DITCH ALONG SIDE OF RD.

- WTR FLOWING OF HILL AND THERE IS NO

MORE ACCESS

- ALSO @ CULVERT @ START OF ZAUNDER

- WTR TEMP 46

GOING BACK TO LFRR
E REZERO

45m WW 10m

POOL

- ALDERS FALLEN IN POOL

- SUBSTR. MUCKY
LEAVE FILLED

- SOME GR ALGAE PR

90m WW 6m

- CHANNEL CHOKED W/ WOODY DEBRIS

- IS MOSTLY POOL

- EXC STRUCTURE IN POOLS

- @ BASE OF SLOPE

120m WW 6m

- SHALLOW

- 4m² SR GR

- ON LARGE SIDE

- LOOKS LIKE IT WAS

ADDED TO SYSTEM

- CHOKED OF DEBRIS

177 m. WW 6M

- POOL
- GOOD STRUCTURE
- COVER
- MUCK SUBSTR.
- 6" TROUT SEEN
- WTR 10" DEEP

179 m. WW 4M

- @ 6M LEOW BUR
- DAM ACCESSABLE

226 WW 4M

- 2M² SP GRAVEL
- GOOD GRAVEL - BRUSH

275 m. WW 3M

- SLOW MOVING
- @ MAN-MADE ?
- BERM W/ LEOW BUR
- DAM ON IT - IS
- ACCESSABLE

365 m. TWO EXCV.

- CHANN; 6M EACH
- @ 18" CAP, 6"
- DEEP
- CHANNEL 1-2M
- DEEP
- FAIR AMOUNTS OF
- WOODY DEBRIS
- GRN ALGAE ON
- BOTTOM

385m WW ZM
RIFF
VELY BRUSHY

405m 15m WW
- BRUSHY SWAMP
ARE
HIGH WATER

445m WW ZM
- WATER SEEPING
OUT OF GROUND
- WTR TEMP 15.5
- WTR FLOW THROUGH
LEAVES & BRANCHES