

SITE INFORMATION

Site Identifier :	SS13RB8	Landowner Type :	Federal
Site Name :		Landowner Name :	USFS
WRIA :	05.0444X	Address :	
Region :	NS	Address2 :	
Trib to :	Palmer Cr	City :	
River Mile :	0.10	State :	
River System :	SF Stillaguamish R	Zipcode :	
Legal Description :	NE1/4S35T30NR10E	Phone :	
County :	Snohomish	Coordinates	
Habitat Type :	terrace tributary	East:	1,760,495.00 North: 990,222.00

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 0.3 miles to the site.

Area Overview :

This is a small groundwater fed stream that had a fair number of coho juveniles in it on the day of the survey.

Field Survey Information

Date : 10/15/02 **Observer :** Olis **Survey Type :** initial

HABITAT INFORMATION

Water Source: Spring Groundwater Surface runoff

Flow: Intermitent Year-round

Estimated Flows (cfs): Lower end: 0.05
Upper end: 0

Water Temperature(C): Lower end: 5.3
Upper end: 8.3

Receiving Water Temperature (C): 6.7

Other Observations:

Site Area Measurements: Indirect Direct Combination

Widths: Channel: 1.2 Ponds: Wetlands:
Depths: Channel: 0.1 Ponds: Wetlands:
Total length (includes ponds and wetlands): 245

Total existing habitat area (est. m2): 326

Spawning area:	Mainstem:	Tribs:	Total:
Impounded area:	Mainstem:	Tribs:	Total:
Other rearing area:	Mainstem: 326	Tribs:	Total:
Unaccessible habitat:	Mainstem:	Tribs:	Total:

Spawning habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat:

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat: The initial 39 meters averages 2.5 meters in width and is all pooled. Upstream from this point, the channel averages 1.2 meters in width; is slow-moving and shallow; has a moss-covered cobble substrate; and has skunk cabbage and devils club along the banks.

Describe unaccessible habitat:

Wetland type: Bog Marsh Scrub-shrub Forested

Describe:

Flooding potential: Low Medium High

Describe: The site sits on a low bench but there was little evidence of flooding found.

FISH INFORMATION

Site entry condition: Poor Fair Good

Describe: There is a large pool in the entry area.

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

Describe: This site can be accessed by both juveniles and adults. There were a fair number of juvenile coho observed during the survey.

Other species acces and use: Chum Pink Sockeye Chinook Trout

Describe: This site can be accessed and utilized by trout for rearing.

ENHANCEMENT OPPORTUNITIES: None

Project type:

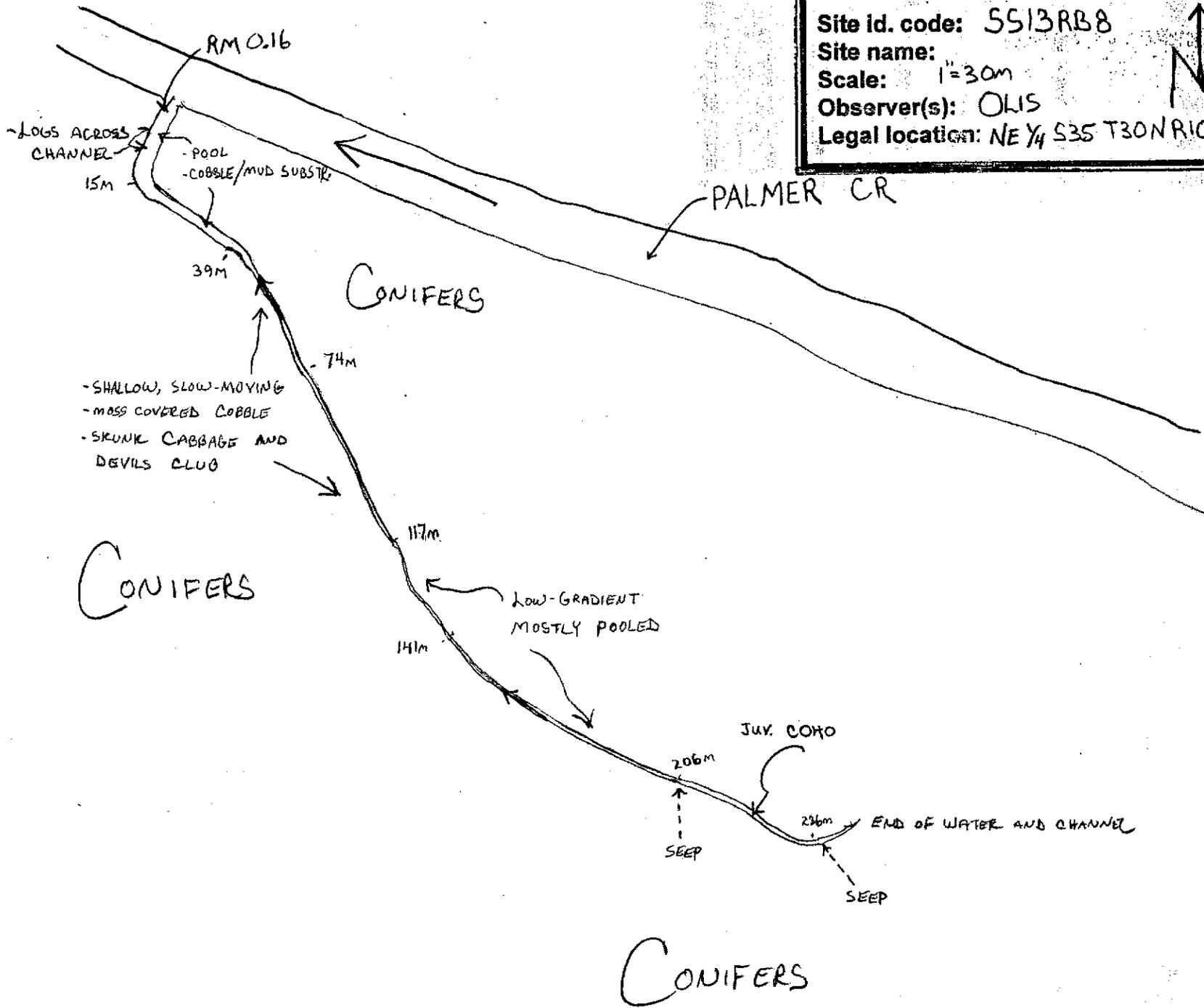
Equipment access:

ADDITIONAL COMMENTS: This stream was surveyed during a low flow period.

ATTACHMENTS AVAILABLE

Aerials Sketch Maps Spawning Surveys Juvenile Trapping
 Other References

Site id. code: 5513RB8
 Site name:
 Scale: 1"=30m
 Observer(s): OLIS
 Legal location: NE 1/4 S35 T30N R10E



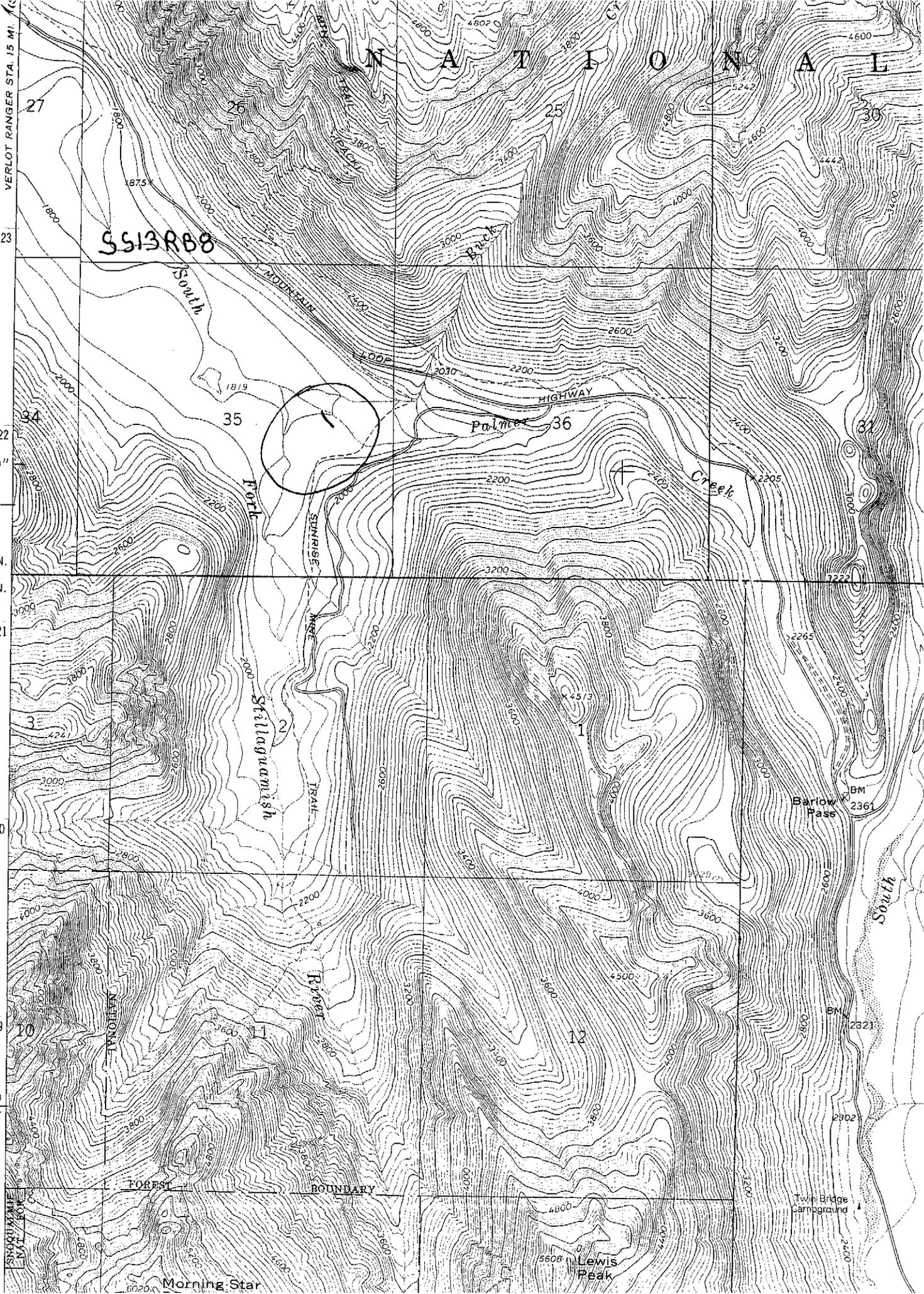
N A T I O N A L

VERLOT RANGER STA. 15 MI. (C)

SS13R08



5323
5322
2'30"
T. 30 N.
T. 29 N.
5321
5320
5319
370 000
FEET
5318



South

Mountain

Rock

Highway

Palmer

Creek

Fork

SUNRISE TRAIL

Stillaguamish

Barlow Pass

South

NATIONAL

ROBERT

FOREST

BOUNDARY

Twin Bridge Campground

Lewis Peak

Morning Star

SS 13 RB8

RM 0.16

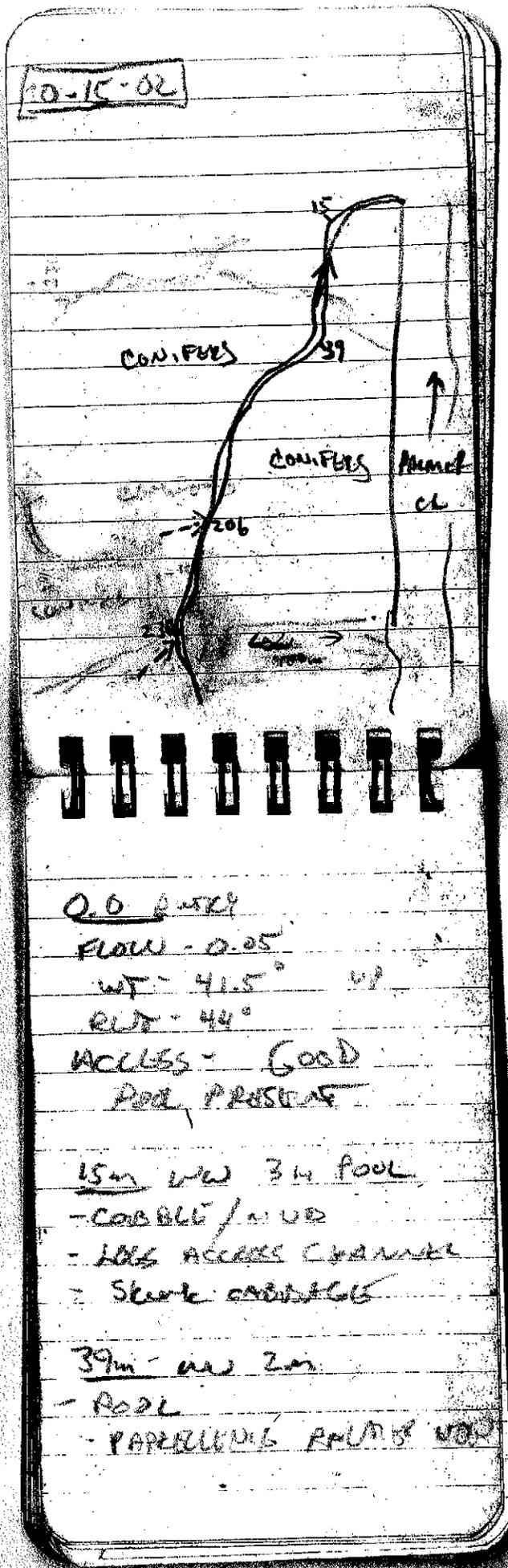
NE 1/4 S35 T30N R10E

TRIB TO PALMER

05.0444

X: 1760495

Y: 990222



0.0 survey

FLOW - 0.05

WT - 41.5°

RWT - 44°

ACCESS - Good

Pool, presence

15m WW 3m Pool

- COBBLE / MUD

- LONG ACCESS CHANNEL

- Shrub coverage

39m - WW 2m

- Pool

- PAPERLEAF FRUIT WOOD

74m w/w 1.2m

- SHALLOW, SEEPY
- SKUNK CHANGEL DEWLS
- GOOD COVER

17m w/w 0.8m

- IN LOW GRASS - SHALLOW
- MOSS COV. COUPLE
- PREVIOUSLY WAS MOSS
- WATER IN IT @ TIMES
- BIRDS OF VARIOUS SIZES
- IN PLACES

141m w/w

- DRYLY POOL
- BARELY FLOWING



206m w/w 1.1m

- LOW GRASSES
- SEEP ON LB

236m w/w 1.4m

- SHALLOW, MOSTLY POOL
- JUV SACRIS OBSERVED
- SEEP ON LB

245m w/w 1.1m

- WATER BIRDS
- NOT MUCH OF A CHANNEL
- ALTERED -> END OF SURV
- 47° -> NO FLOW
- GOOD KNEELING
- JUV OBSERVED
- END ~ 100m 11m