

SITE INFORMATION

Site Identifier : SA1RB2 **Landowner Type :**
Site Name : **Landowner Name :**
WRIA : 03.1335X **Address :**
Region : NS **Address2 :**
Trib to : Napoleon Slough **City :**
River Mile : 0.80 **State :**
River System : Sauk R **Zipcode :**
Legal Description : SE1/4S35T35NR9E **Phone :**
County : Skagit
Habitat Type : overflow channel

Directions :

Take Highway 530 from Rockport towards Darrington for approximately 1.2 miles to gravel road on right (west). Go down road to Napoleon Slough. Follow downstream for approximately 0.2 miles to site on left bank.

Area Overview :

This channel is fed by percolation from Napoleon Slough and also received overflow during Nov. 95 flood events. On day of survey, stream had good numbers of coho juveniles even though stream bed was heavily silted from recent floods.

Field Survey Information

Date : 02/22/1996 **Observer :** Olis **Survey Type :** initial

HABITAT INFORMATION

Water Source: Spring Groundwater Surface runoff

Flow: Intermittent Year-round

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

Water Temperature(C): Lower end: 5
Upper end: 6.1

Receiving Water Temperature (C): 4.4

Other Observations:

Site Area Measurements: Indirect Direct Combination

Widths: Channel: 3m **Ponds:** **Wetlands:**

Depths: Channel: 30cm **Ponds:** **Wetlands:**

Total length (includes ponds and wetlands): 450m

Total existing habitat area (est. m2): 1327

Spawning area: Mainstem: Tribs: Total:

Impounded area: Mainstem: Tribs: Total:

Other rearing area: Mainstem: 1127 Tribs: Total:

Unaccessible habitat: Mainstem: 135 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: This stream is silted up from recent floods and silt is covered with light brown algae. It is mostly pool and has some small amounts of beaver activity.

Describe unaccessible habitat: There is an isolated 45m long pool about 15m above the wetted channel. This pool becomes connected during higher flows.

Wetland type: Bog Marsh Scrub-shrub Forested

Describe:

Flooding potential: Low Medium High

Describe: An overflow channel that receives flow at head end of channel during flood events.

FISH INFORMATION

Site entry condition: Poor Fair Good

Describe: There is a good holding area for fish at entry but there is also remnants of a beaver dam at entry which may be a possible barrier if beavers decide to rebuild.

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

Describe: On day of survey, there were good numbers of juveniles present.

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

Describe: No trout were observed on day of survey, but there is good trout habitat present.

ENHANCEMENT OPPORTUNITIES

Project type:

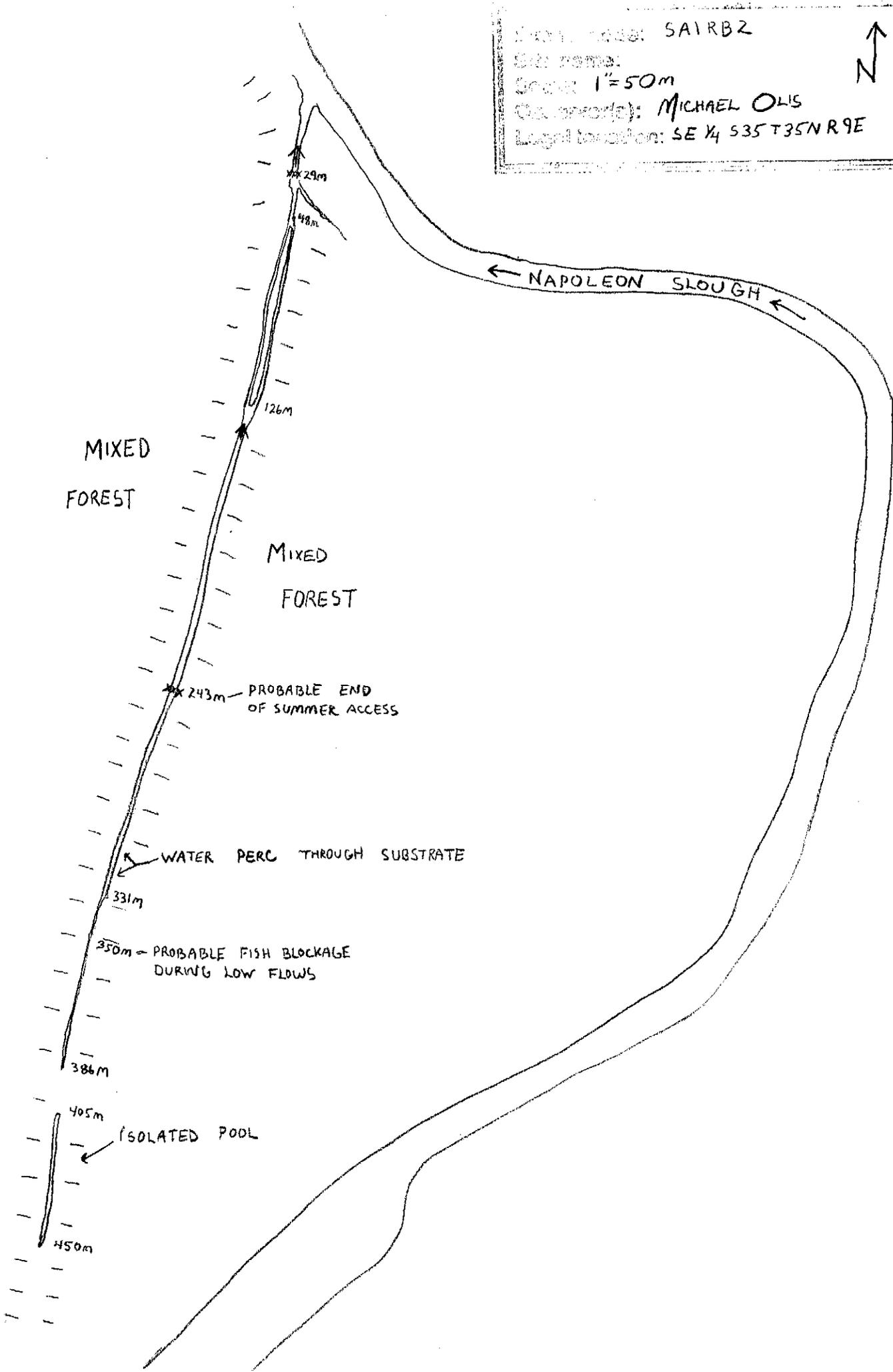
Equipment access:

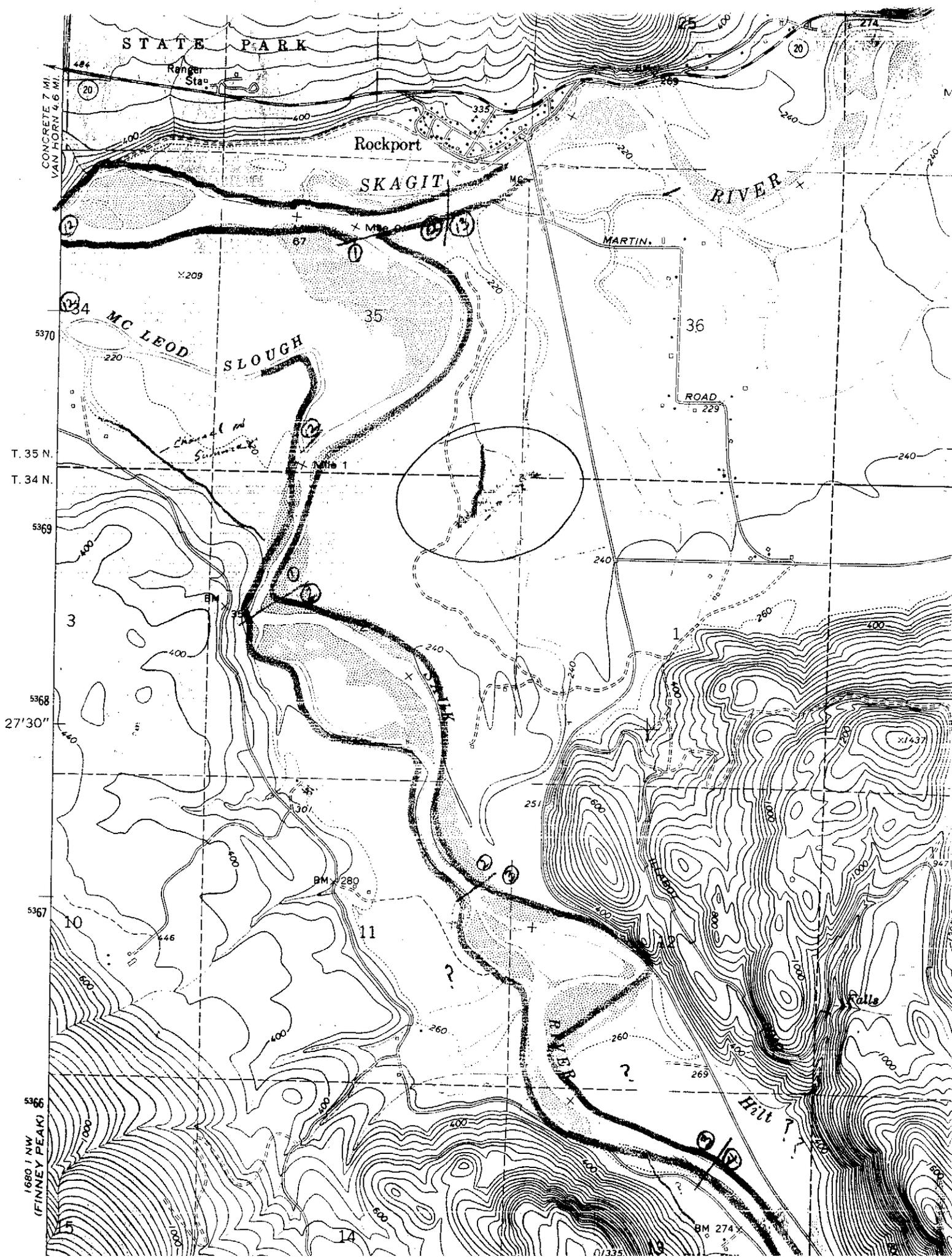
ADDITIONAL COMMENTS This site may trap juveniles, especially the upper half of stream, as pools become isolated during low flow periods.

ATTACHMENTS AVAILABLE

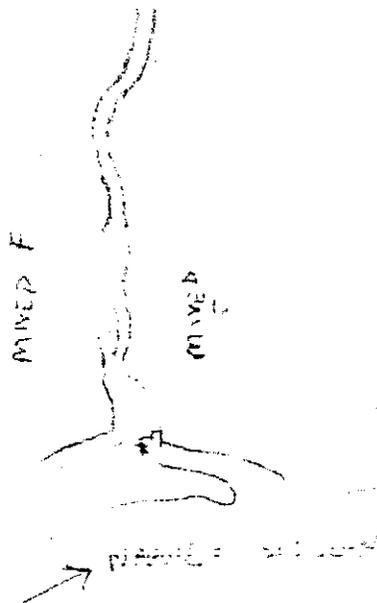
Aerials Sketch Maps Spawning Surveys Juvenile Trapping
 Other References

Date: 10/28/88: SAIRBZ
 Site name:
 Scale: 1" = 50m
 Collector(s): MICHAEL OLIS
 Legal location: SE 1/4 S35T35N R9E





FEB 22



SAIRB2

RM 0.8

SE 1/4 S 35 T 35 NR 9E

0.0 SURT

FLOW FROM

TEMP STREAM - 43°

REC. WIND TEMP - 41°

FISH ACCESS IS GOOD

29m WWD 4m

- EVERYTHING STARTED UP

FROM TPOO EVENT

- (W) 4m WWD DATA (SLOW
OUT)

- LIGHT BECOMES ALONE
ON SUBSTR.

48m WWD 4m PACE

126m WWD 1m

- SLOW MOVING STREAM

- TUV. (SUN)

126m

- ANOTHER 1m channel
HAS BEEN PARALLEL TO
THIS ONE. BOTH STAYS
MEET AT THIS POINT &
OPENS UP TO 5m
CHANNEL

- EVERYTHING STILL
SLOPED UP & COVERED
W/ BROWN ALGAE

2-3m WW 5m POOL

- SUBSTR. IS GRAVEL &
COBBLE MIX THAT IS
COATED W/ SILT.

- MANY JUV. PRESENT

@ 5m EYE DAM THAT
SEEMS LIKE A BARRIER

THE UPSTREAM
MIGRATION.

- LOTS OF BERRY BRUSH
ALONG BANKS

331m WW 3m POOL

- FAST BY COUPLE OF
SPRINGS. WATER BUBBLING
THROUGH SUBSTRATE

- STILL LOTS OF JUVS
PRESENT.

350m WW 1m POOL

- @ BEGINNING OF
6m LONG STRETCH
OF COBBLE W/ WATER
TRICKLING THROUGH

- PROBABLE FISH BARRIER
@ PRESENT TIME

356 m END OF COBBLE
BARRIER

- WETTED AHEAD

386 m WW 1.5' POND

- END OF WATER NOT

CAN SEE AHEAD

WATER AHEAD IN

SWALE

- DET WATE C. H. 1.5'

DURING HIGH TIDE

- JUV. P. 1.5'

405 m ~~W~~

- ~~W~~ BEGINNING OF

ISOLATED POND

450 m END OF

ISOLATED POND - WW 3'

450m ...

- SWALE CONTINUES
AHEAD BUT SHRINKS
& IS FULL OF BECOM

COMMENTS

- HIGH FLOOD
- NO SPAWNING
UNLESS COVERED
BY SILT
- EXC. JOV. USE
- MIGHT TRAP JOV
@ UPPER END.
- RIVER PRIC
- WTR TEMP, -43°

- NAPOLEAN CLOUDS
IS 60M TO SE @
END