

SITE INFORMATION

Site Identifier :	SS1LB1	Landowner Type :	Private
Site Name :		Landowner Name :	
WRIA :	05.0319A	Address :	
Region :	NS	Address2 :	
Trib to :	05.0319	City :	
River Mile :	1.50	State :	
River System :	S F Stillaguamish	Zipcode :	
Legal Description :	NW1/4S12T31NR5E	Phone :	
County :	Snohomish	Coordinates	
Habitat Type :	lower valley wall tributary	East:	1,607,634.00 North: 1,046,202.00

Directions :

From the Hwy 9 and E Highland Dr intersection in Arlington, turn onto E Highland Dr and go 0.7 miles to a four way intersection. Go straight onto Tviet Rd and go 0.3 miles to a stream crossing and the site which is adjacent to an electrical substation.

Area Overview :

This tributary is located on the outskirts of Arlington and has year-round flow. It has approximately 1273 square meters of good rearing and a small amount of spawning habitat.

Field Survey Information

Date : 1/2/02 **Observer :** Olis **Survey Type :** initial

HABITAT INFORMATION

Water Source: Spring Groundwater Surface runoff

Flow: Intermittent Year-round

Estimated Flows (cfs): Lower end: 1
Upper end: 0.75

Water Temperature(C): Lower end: 7.2
Upper end: 6.7

Receiving Water Temperature (C): 6.7

Other Observations: The upper end water temperature was taken a day after the lower end water temperature was taken.

Site Area Measurements: Indirect Direct Combination

Widths: Channel: 1.2m Ponds: Wetlands:
Depths: Channel: 15cm Ponds: Wetlands:
Total length (includes ponds and wetlands): 1103 meters

Total existing habitat area (est. m2): 1273

Spawning area:	Mainstem:	20	Tribs:		Total:
Impounded area:	Mainstem:		Tribs:		Total:
Other rearing area:	Mainstem:	1253	Tribs:		Total:
Unaccessible habitat:	Mainstem:		Tribs:		Total:

Unaccessible habitat: Mainstem: Tribs: Total:

Spawning habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat: There were four locations where useable spawning gravel was located (see attached sketch). The gravel size ranged from 1" to 4" and there was good overhead cover. However, the stream seemed to be lacking in-stream cover and the water depth was marginal for spawners on the day of the survey.

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat: The site downstream of Tviet Rd can be broken down into two reaches. The initial 82 meters is at 8% grade, it is mostly riffled with a cobble substrate and is in a small wooded draw as it climbs through a terrace wall. From 82 meters to Tviet Rd, the stream is at 4% grade with pool/riffle habitat. It has a mud/silt substrate and is in an alder strip with blackberries. Upstream of Tviet Rd, the stream is in a thick brushy woodlot, it continues to be low gradient and forks 100 meters from the road. Each fork gradually increases in gradient to where the survey stopped at 20% grade in a forested draw.

Describe unaccessible habitat:

Wetland type: Bog Marsh Scrub-shrub Forested

Describe:

Flooding potential: Low Medium High

Describe: This trib connects with 05.0319 half way up a terrace wall, well out of the range of floodwaters from the S F Stillaguamish.

FISH INFORMATION

Site entry condition: Poor Fair Good

Describe: Two riffles come together at the confluence. Not much of a pool present.

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

Describe: Adult coho carcasses were observed in the mainstem just downstream of the entry area. There was also a possible redd observed in the left fork approximately 120 meters upstream of the fork. This site is also accessible to coho juveniles, however none were observed during the survey.

Other species access and use: Chum Pink Sockeye Chinook Trout

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

ENHANCEMENT OPPORTUNITIES: There are three culverts located on this tributary (JO38, JO39 and JO40 in the culvert inventory). JO38 and JO40 are two private culverts that would be good to replace as they appear to be a serious hindrance to the upstream migration to juvenile salmonids.

Project type: Culvert replacement

Equipment access: Good (old access roads to each culvert)

ADDITIONAL COMMENTS: The survey was ended when the stream gradient reached 20%. Gradient was determined with a clinometer.

ATTACHMENTS AVAILABLE

Aerials Sketch Maps Spawning Surveys Juvenile Trapping

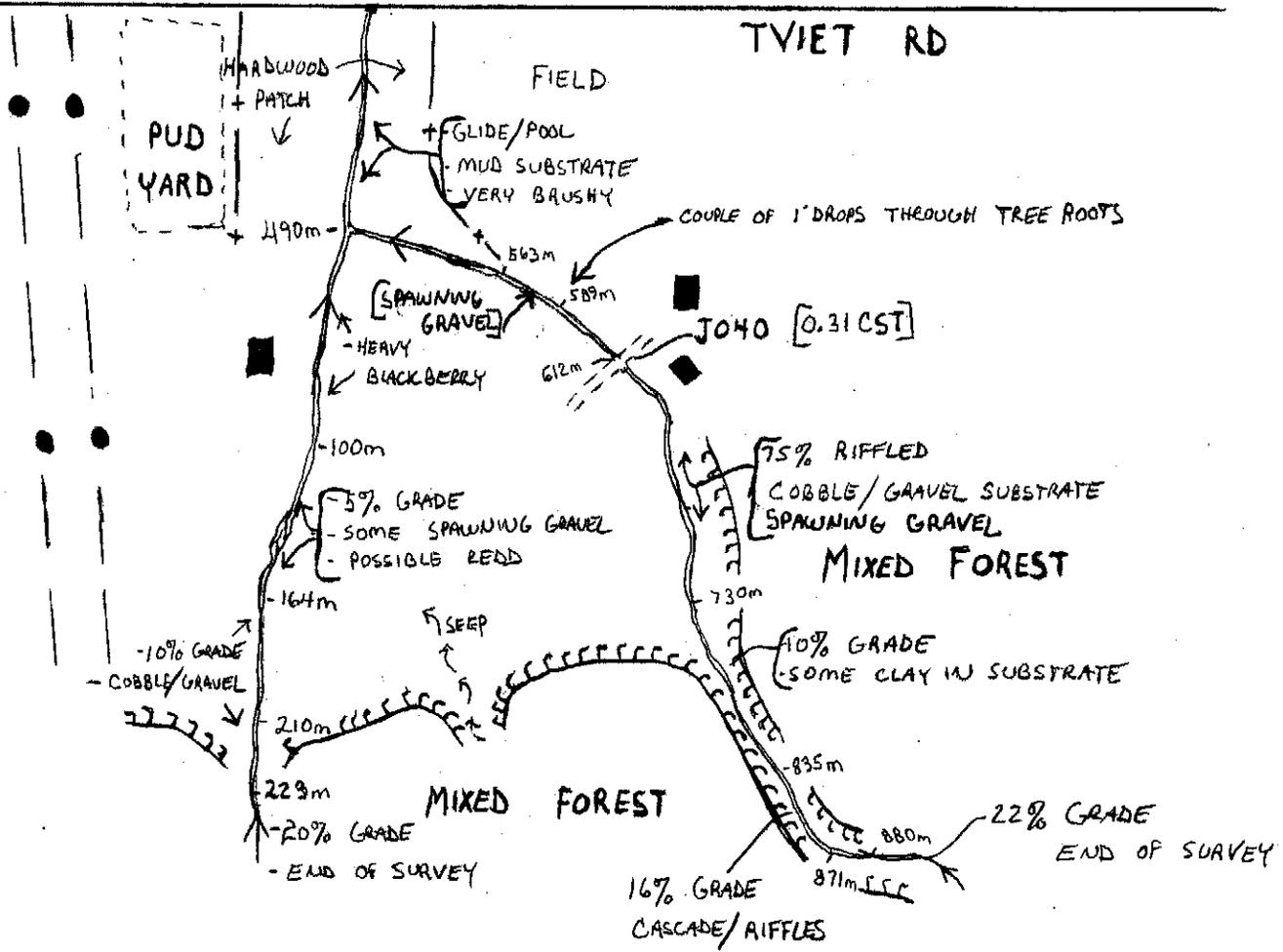
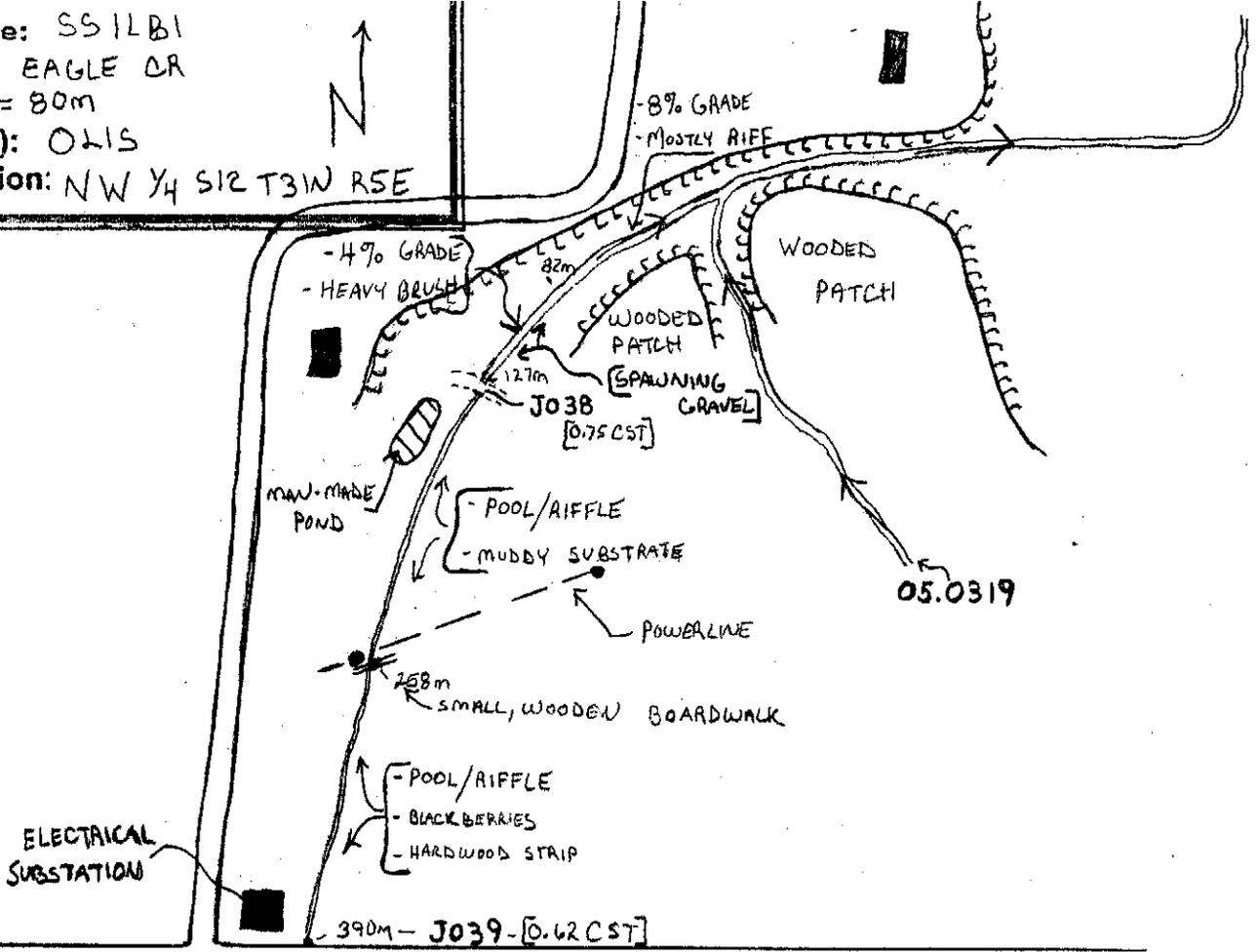
Site id. code: SS1LBI

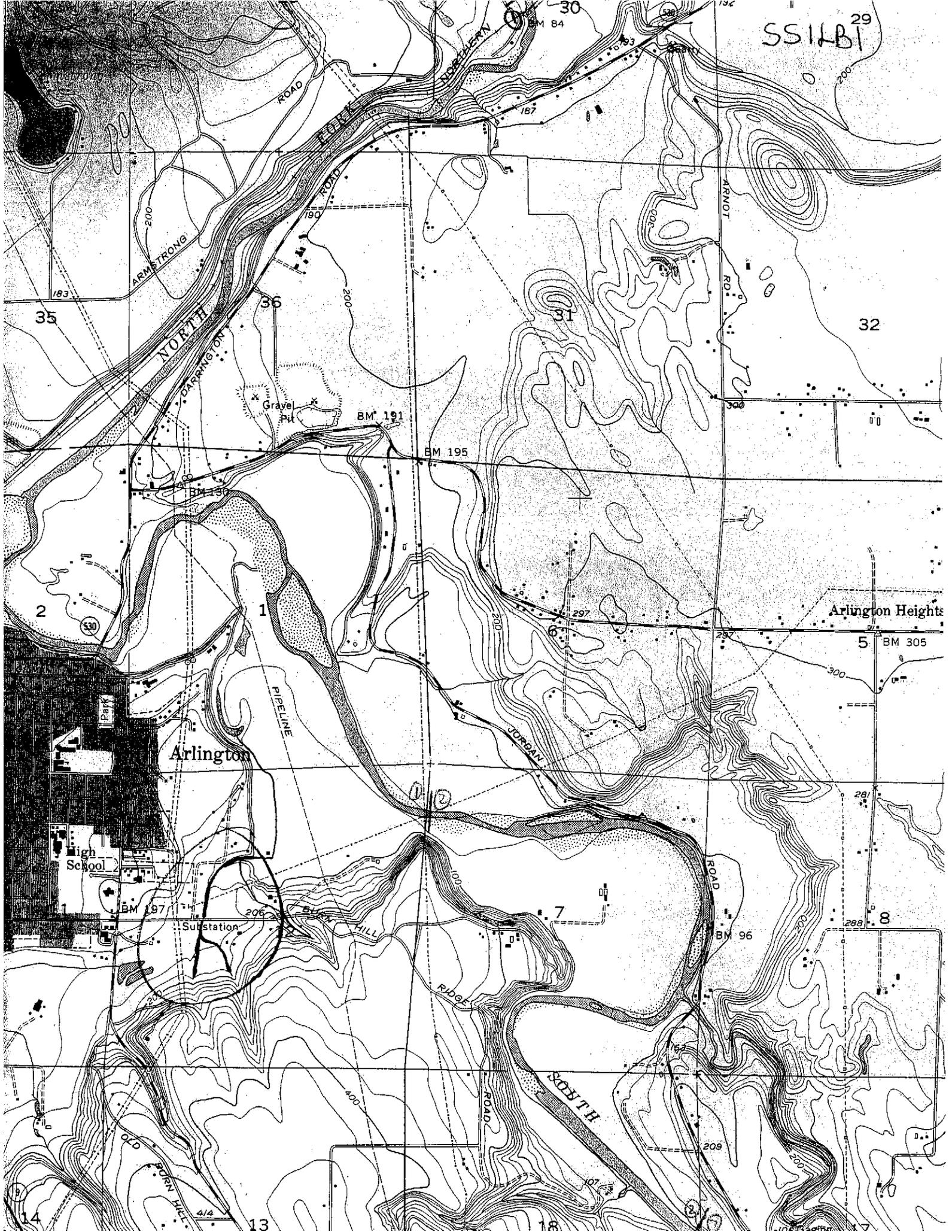
Site name: EAGLE CR

Scale: 1" = 80m

Observer(s): OLIS

Legal location: NW 1/4 S12 T31N R5E





SS12B1

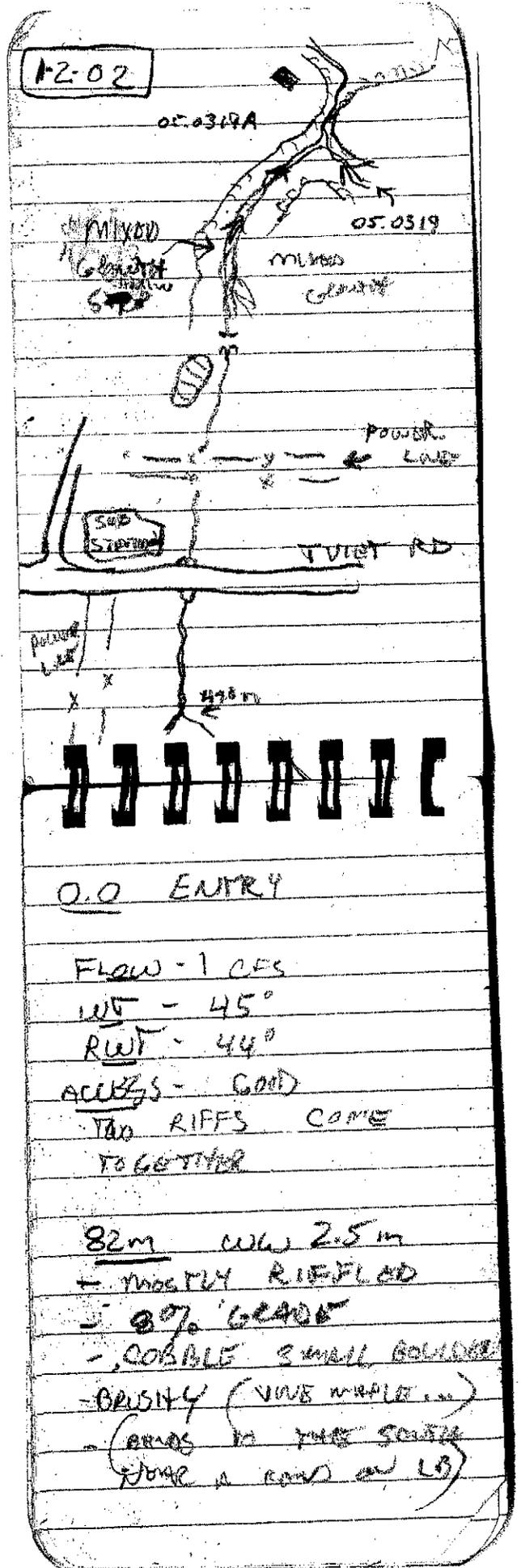
RM 1.5

NW $\frac{1}{4}$ S12 T31N R05E

05.0319A

X- 1607634

Y- 1046202



[81 m SMALL TRICKLE AM,
LB NOW-HUB

127m WUJ 2M

- POOL / RIFF
- 4% GRASS - @ JO 38
- VERY BRUSHY
- 4m SP. GC.
2" - 4"
- MOSTLY SIFT SUBSTR
- UPR. END OF CULV.

258m WUJ 1.2M

- MUD + SUBSTR
- POOL - RIFF - LOW GRASS
- @ POWER LINE & WOODS
BOARDWALK



390m WUJ 1m

- M 50/50 - P/R
- BLACK BERRIES
- STRIP OF HOWDS ACROSS
BANKS
- MOSTLY SILT
- SMALL AMOUNT OF
GRAVEL BELOW CULV.
- @ JO 39 & ROAD,
VIET RD.

(1-3-02)

490m WUJ 1.6m

- MUD / SILT SUBSTR
- GLIDE / POOL
- VERY BRUSHY
BLACK BERRIES

@ FORD

490m ...

- R F HAS 2/3 OF THE FLOW -
- CONTINUING UP RF AS MAINSTEM

543m ww 0.8m

- GLIDE - POOL
- SOME $\frac{1}{2}$ GRAVEL
- @ EDGE OF FIELD OF RB

589m ww 1m

- 3m² SP GRAVEL
- @ A CURVE OF 1'
- DROPS THROUGH TREE CANOPY



612m ww 1m - RIFF

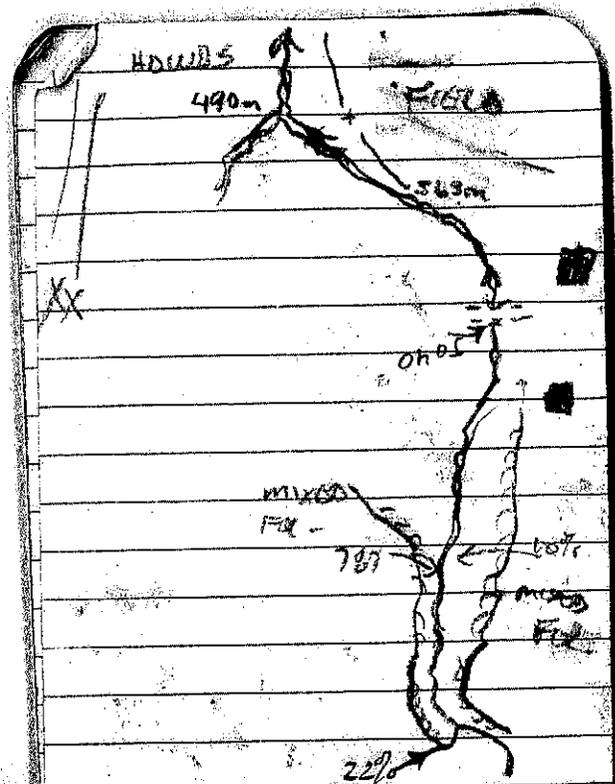
- @ 5040
- SOME GRAVEL
- BLACK BERRIES
- GRADE DOESN'T GET USED MUCH

730m ww 1.3m

- 75% RIFF
- COBBLES SOME GR. & SMOOTH
- GOOD COVER GOOD WEEDS
- 5m² SP

835m ww 1.1m

- RIFF 10% GRADE
- COBBLES - SOME CLAY
- GOOD WEEDS & COVER



|||||

871m w/w 1.1m

- 16% GRAD

- CASCADE / RIF

880m w/w 1.2m

- SMALL BOUNDARIES

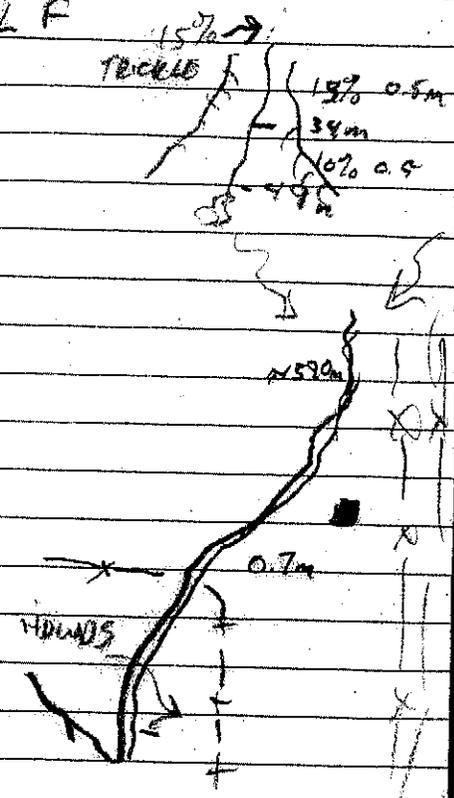
- STEEP CASCADES (22%)

BWD OF SURVEY

FLOOD - 0.75 CFS

WT - 44°

L F



- RECKED -

200m W/W 0.7m

- GLIDE POOL
- HEAVY BRUSH
- BEHIND HOUSE

160m W/W 0.3m

- 5%
- 7m² SP GRASS
- TOO SMALL?
- POSS. ROAD?

210m W/W 1m

- 10%
- mostly dirt
- COBBLE GRAVEL

223m W/W 1m

- @ 20% GRADE
END OF SURVEY

CHOC