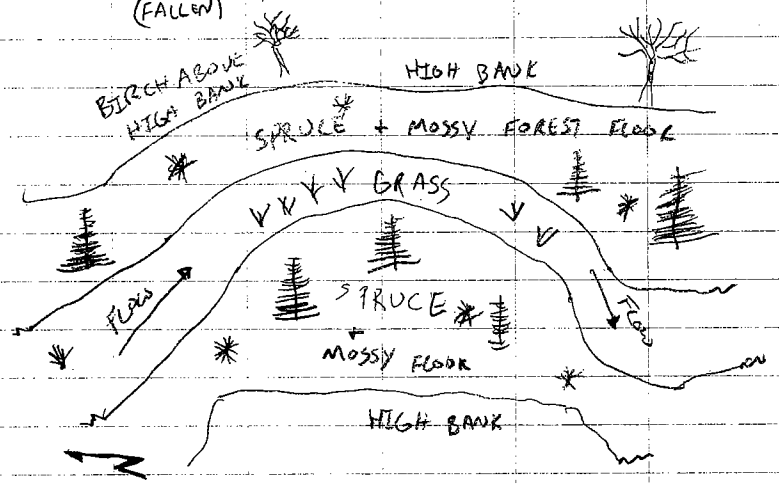
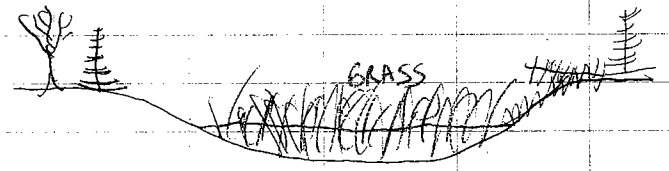
AUGUST 11, 2005

1430 SITE 1 CROSSING. MARSHY, MOSSY, DEAD TIMBER (FALLEN), LOTS OF SPRUCE.

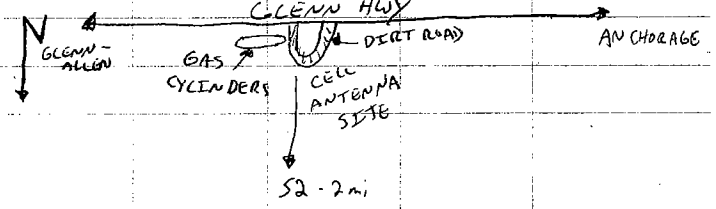


DEPTH OF STREAM ≈ 6"



LOOKING DOWNSTREAM

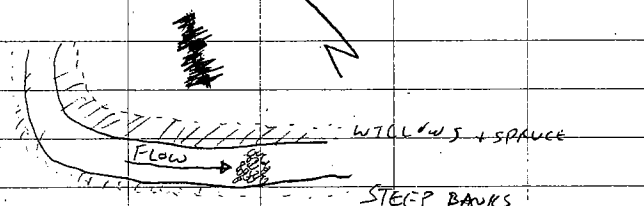
1622 ARRIVE @ SITE OFF OF GLENN HWY GETTING READY TO GO TO SITE 2 2 mi AWAY DUE NORTH



2

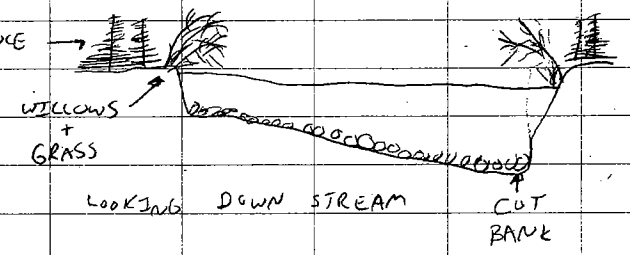
AUGUST 11, 2005

1730 ARRIVE AT S-2 MOOSE CREEK X-ING



DON'T SEE ANY BIRCH

SILVEY BOTTOM ON CREEK GOLF BALL TO BASEBALL SIZE STONES, WATER IS CLEAR, BROWN BOTTOM



MOSSY FOREST FLOOR

1930 RETURN TO CAR AND END.

NFE

2

UX CLEAR COOL
BLUE SKIES
EXPECT SAME AS YESTERDAY

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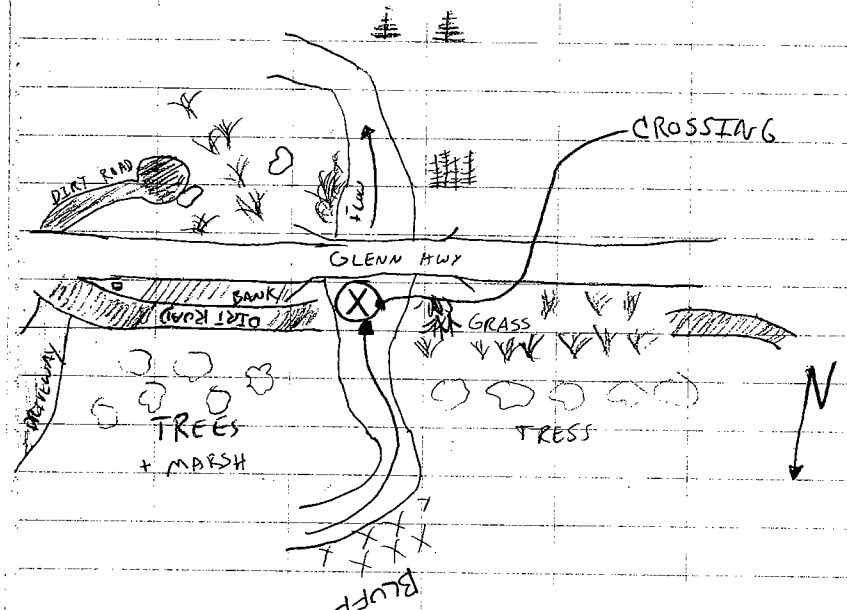
0805 ON THE ROAD TO NEXT SITES FUELED CAR AND GOT GEAR FOR NEXT STOPS LATER, TAPE CAMERA ETC HEADING TO S-3

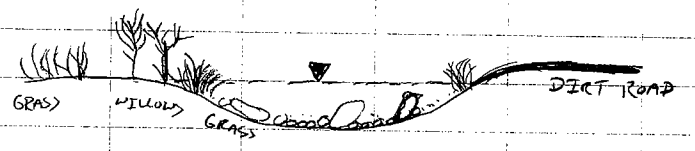
0845 ARRIVE @ S-3 CROSSING TOLSONA CREEK + TAKE MEASUREMENTS



- SPRUCE TREES ABOVE BLUFF

0855 CHANNEL HAS ROCKY BOTTOM WITH 1-18" STONES MIXED WITH SILTY SAND. FEW BOULDERS FROM 30-45" IN DIAMETER VISIBLE SOUTH OF THE GLENN HWY BRIDGE

AUGUST 12, 2005



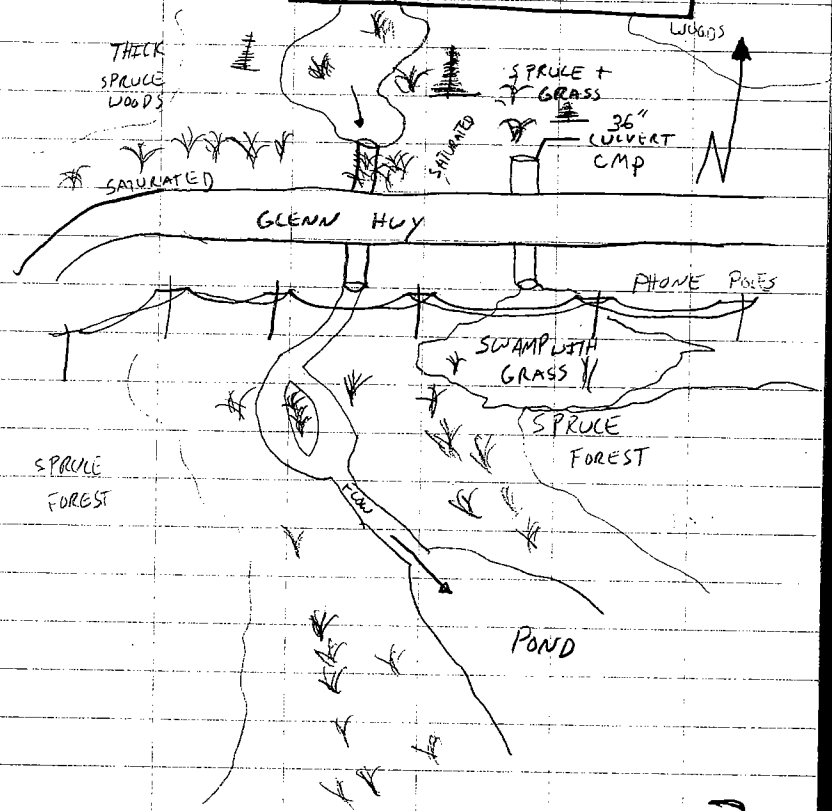
DEPTH OF CHANNEL ≈ 2' - 2.5'

LOOKING UPSTREAM S-3

(NORTH) TOLSONA CREEK

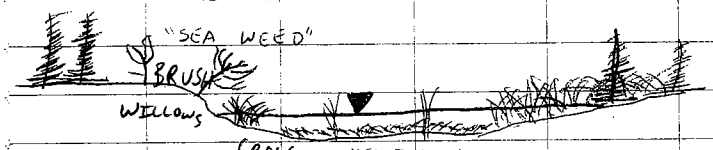
0915 DONE @ S-3 PREP FOR S-5

0920 ARRIVE @ S-5 LITTLE WOODS CREEK



AUGUST 12, 2005

LOTS OF VEGITATION ON CHANNEL BOTTOM



LOOKING UP STREAM

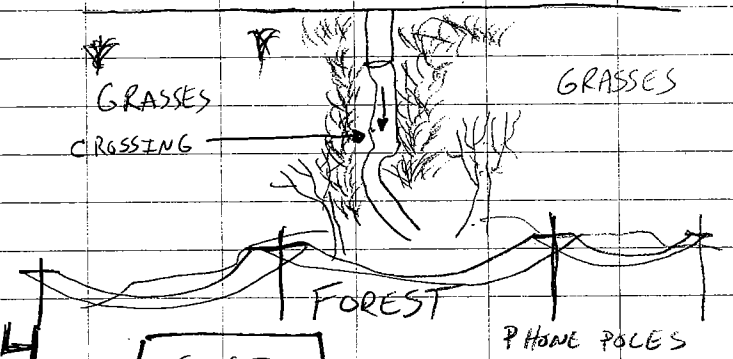
"LITTLE WOODS CREEK"
S-5

1050 LOOKING FOR S-6. UNABLE TO LOCATE FOUND A STREAM 0.4 MILES FROM S-6 LOCATION MAKED NEW LOCATION IN GPS AS S-6B

N 62° 05' 48.7" W 146° 11' 35.4" CMP CULVERT

N

GLENN HWY



4

S-6B

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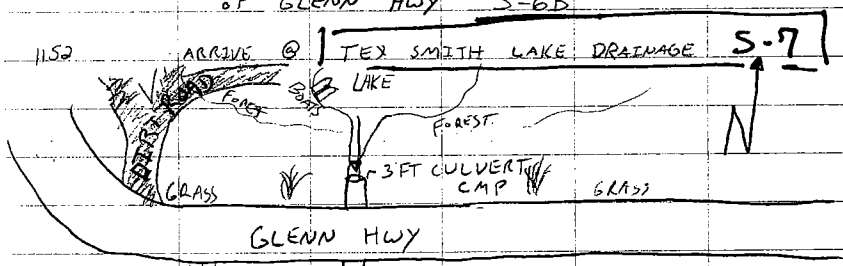
STREAM HAS A COBBLE STONE BED W/STONES 0.5" - 10" STREAM ABOUT 2' - 3' WIDE

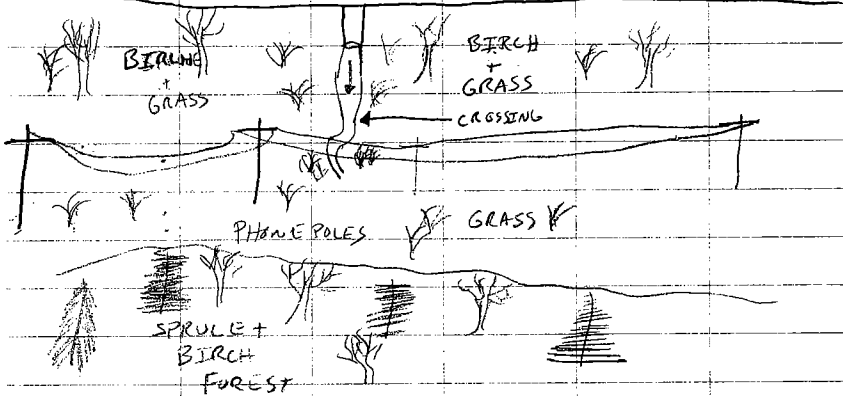
S-6B

PROFILE OF X-ING SOUTH SIDE OF GLENN HWY S-6B

1152 ARRIVE @ TEX SMITH LAKE DRAINAGE S-7



N



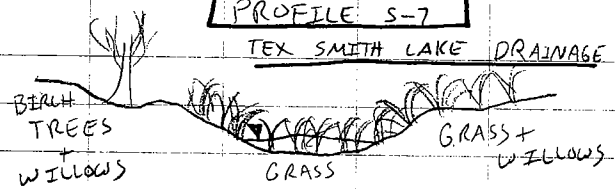
STONY STREAM BED WITH STONES FROM .5" - 12" ROUND TO SEMI-ROUND. STREAM BETWEEN 5'-7' WIDE. 1" DIAMETER PIPE COMING OUT OF SOUTHERN END OF CULVERT

4

AUGUST 12, 2005

PROFILE S-7

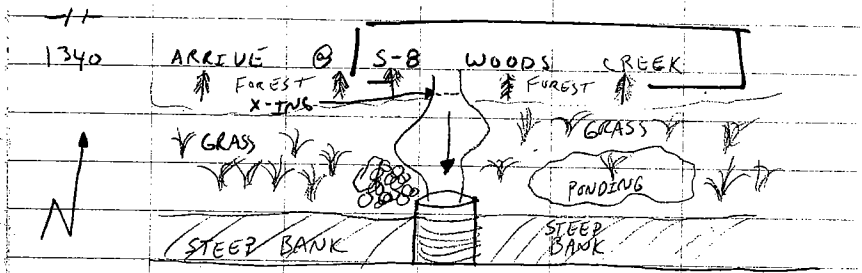
TEX SMITH LAKE DRAINAGE



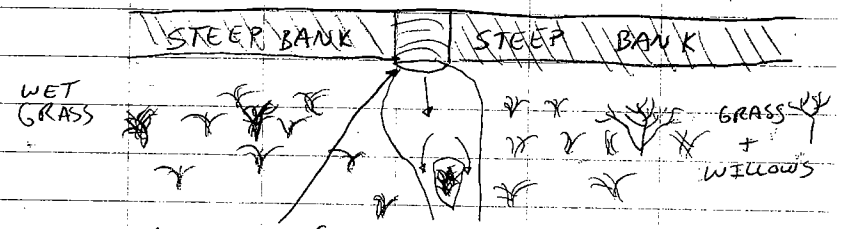
WATER DEPTH 6"-10" W/GRASS

LOOKING DOWN STREAM

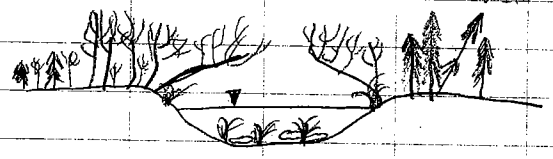
1340 ARRIVE @ S-8 WOODS CREEK



PALMER ← GLENN HWY → GLENNALLEN



7' CULVERT (CMP) STREAM BED IS GRASSY ON EDGES AND COBBLE STONE 1"-5" WITH SILTY SAND.



CROSSING LOOKING UPSTREAM OR NORTH

@ S-8 WOOD CREEK

AUGUST 12, 2005

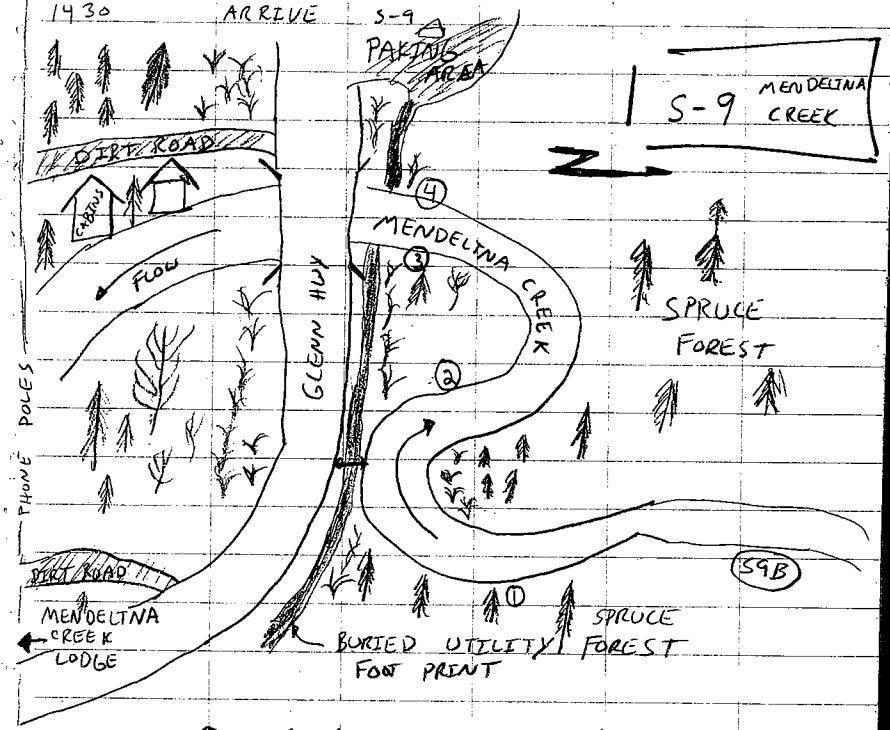
M. Cox
E. KEIB

1415 DONE @ S-8 WOODS CREEK

WX: BLUE SKIES 70-75°F, 0 WIND

OFF TO S-9 MENDELTNA CREEK

1430 ARRIVE S-9



GPS OF POINTS IN ABOVE SKETCH

① N62° 02' 58.1" W 146° 32' 26.4"

② N 62° 02' 58.2" W 146° 32' 31.4"

③ N62° 02' 57.0" W 146° 32' 35 3" [37 FEET WIDE]

④ N62° 02' 56.7" W 146° 32' 36.7"

* 41' BETWEEN GLENN HWY + MENDELTNA CREEK

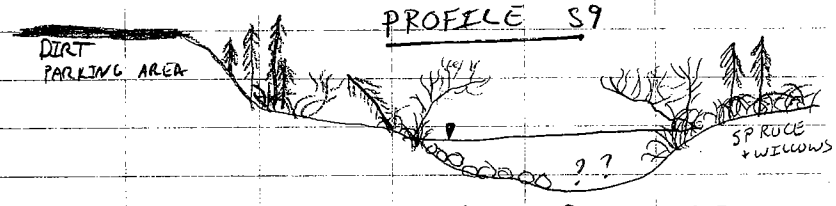
@ NEAREST POINT IN BEND. 13.5 YARDS IS WIDTH OF CREEK

WX. HOT, CLEAR
SLIGHT BREEZE. AUGUST 12, 2005

1540 STEAM BED @ S9 IS COBBLE STONE 6"-10" AND BOULDERS UP TO 36" IN DIAMETER

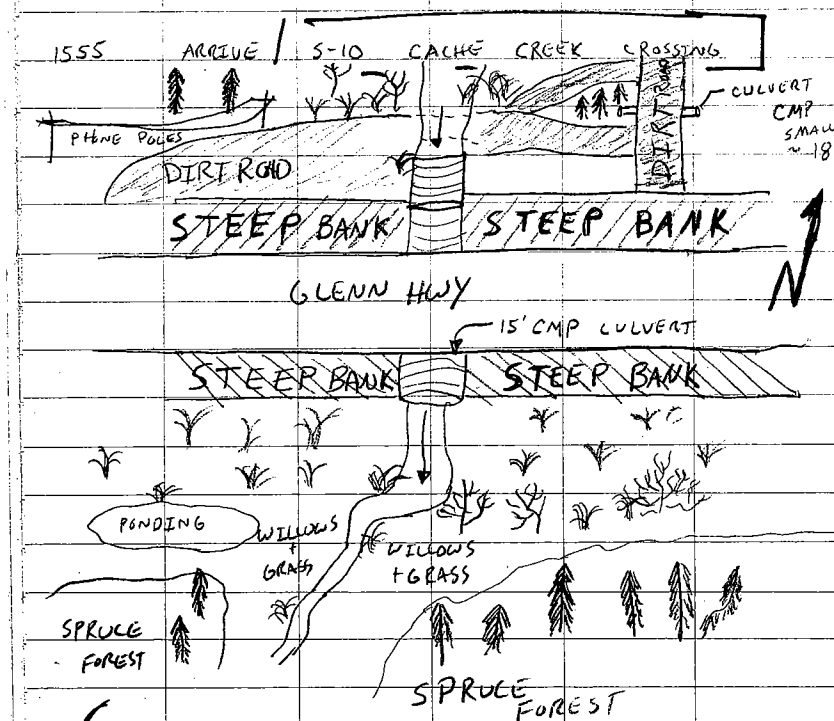
VELOCITY @ S9 = 2Ft/SEC

PROFILE S9



LOOKING UP STREAM S9 MENDELTNA CREEK @ S9 PROPOSED X-ING

1555 ARRIVE S-10 CACHE CREEK CROSSING



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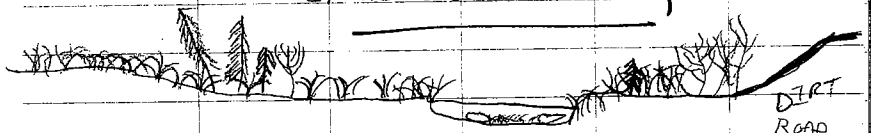
PEBBLE + STONE STREAM BED WITH GRASSY SHOULDERS. STONES FROM 1"-12" IN DIAMETER. STONES ARE ROUND + SUB ROUND

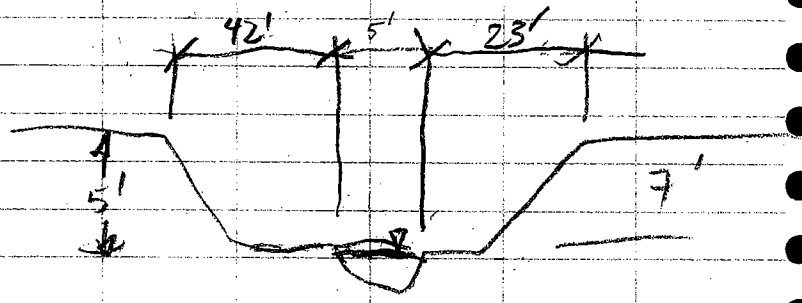
1640 PROFILE S-10 CACHE CREEK CROSSING



LOOKING UP STREAM S-10 CACHE CREEK CROSSING

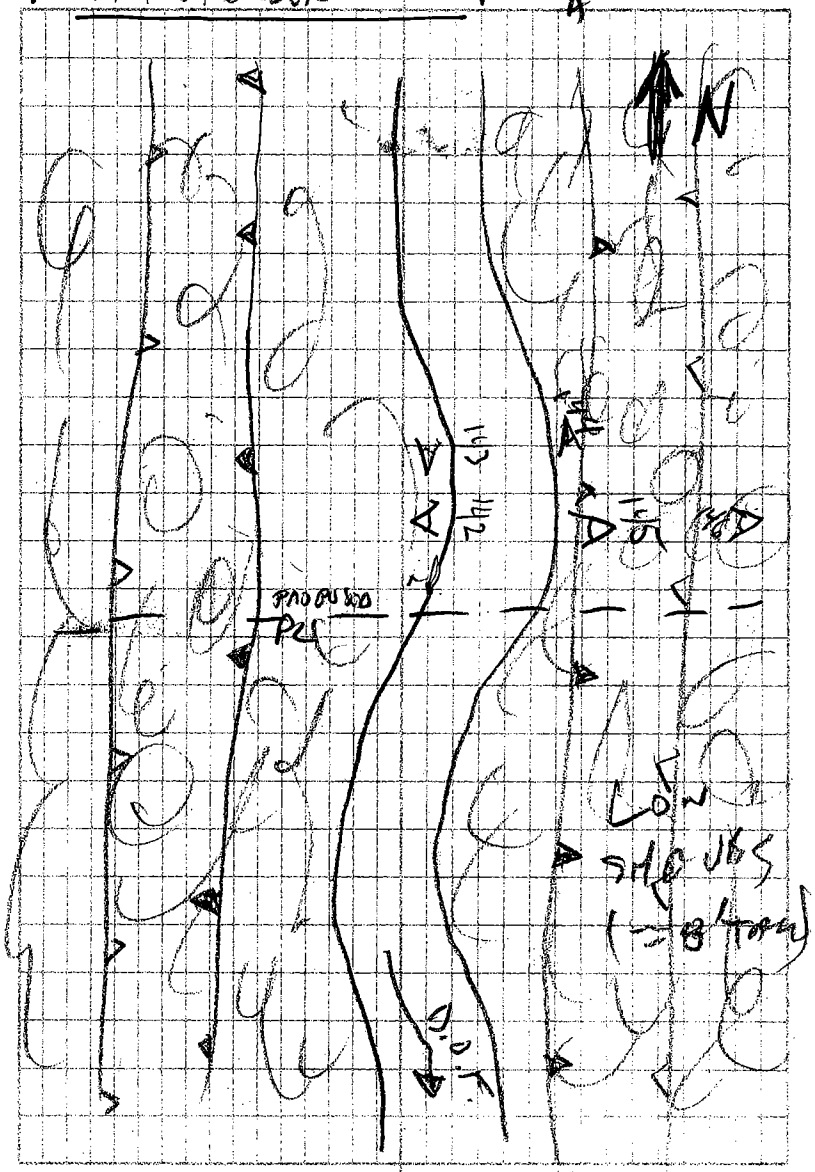
1745 END

EASY 1 BORE ON TRENCH. TUNDRA / HUY. SHRUB
W/ POS FROZEN SOILS IN AREA



START UP CREEK - S11

M COX
V ROBINSON 8/16

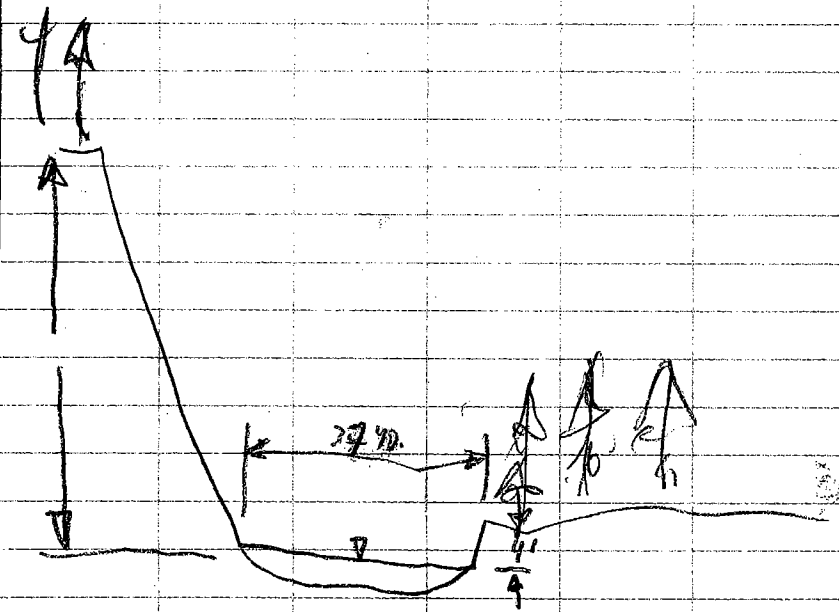


CARIBOU CREEK CROSSING
-S12

M. COX
V. ROBINSON
A

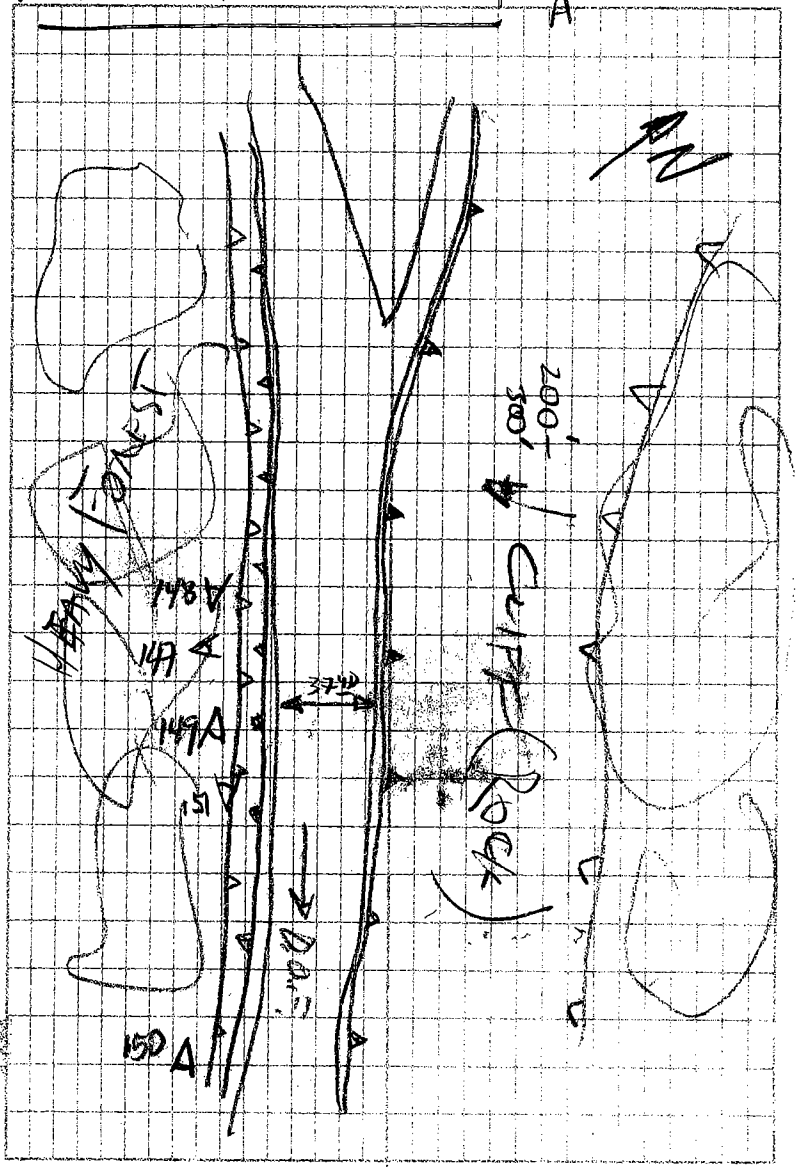
CLIFF,

* BANK ON TRENCH IS OUT OF THE QUESTION
NO OBVIOUS ALTERNATIVES NEARBY.



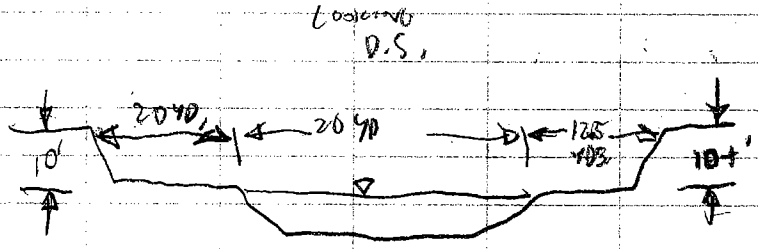
CHICKALOON RIVER - S13

MOOX
V ROBINSON
A
8/16



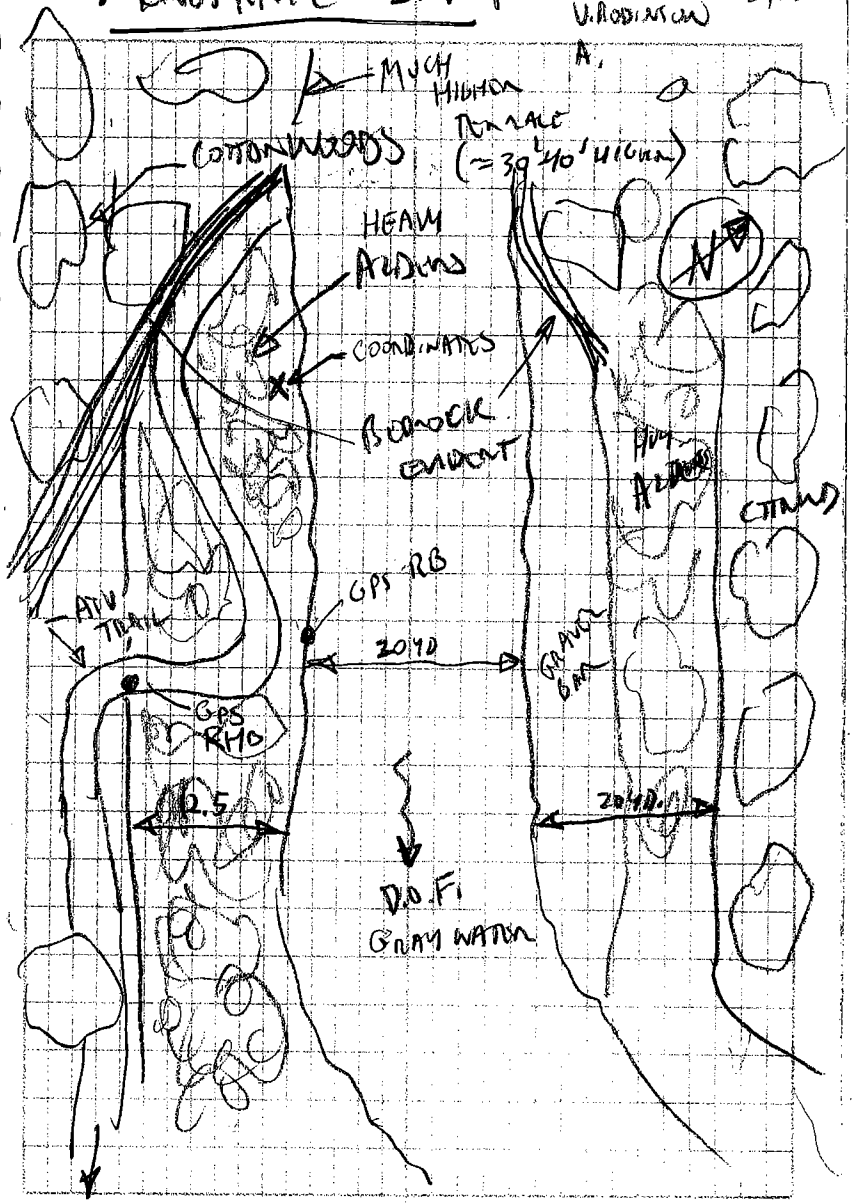
* @ SITE WHERE COORDS WERE TAKEN
HAS NO EVIDENT BEDROCK. HOWEVER
JUST UPSTREAM (≈ 100-150') EVIDENCE
ON BOTH BANKS AS HIGH TERRACES
PINCH TO ACTIVE BANK.
SEE #18

PER AERIAL, EVIDENCE ON MAP IS TOO



KINGS RIVER - SITE

M. COX
V. ROBINSON
A.
8/15



WX: CLEAR + NICE SIMILIAR TO YESTERDAY

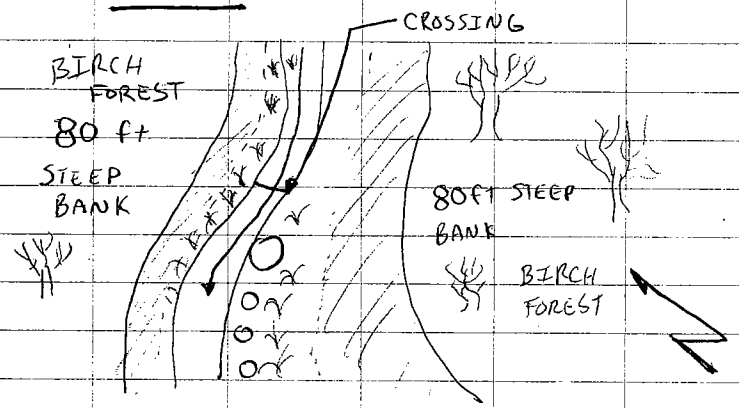
M. COX
E. KEIB

AUGUST 13, 2005

0800 OFF TO FIND S-15 + S-16

1015 STOP NEAR S15 ON PRIVATE LAND LOOKING FOR ACCESS TO GRANITE CREEK ACCESS

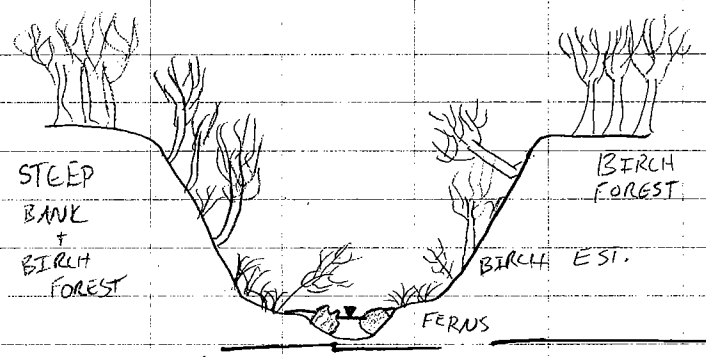
1205 @ S15



VERY LARGE
O = COTTON WOOD TREES
Y = FERNS

BANKS CONTAIN BIRCH. NO SIGN OF SPRUCE. STREAM BED ROCKY ROUND TO SUB-ROUND 0.5" - 36" BOULDERS. OCASSIONAL TIMBER OVER UPSTREAM OF X-ING. VERY LARGE BOULDERS AT CROSSING ≈ 36" IN DIAMETER

AUGUST 13, 2005

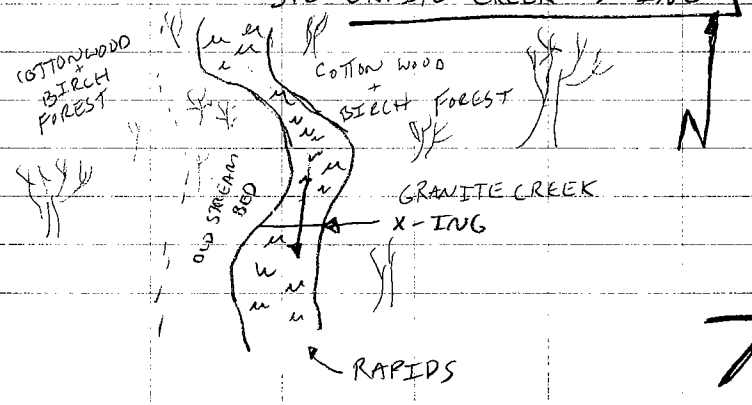


PROFILE | S15 LINE GRANITE CREEK CROSSING LOOKING UPSTREAM

1240 RECORDED S15 DATA ON DATA SHEETS

1300 "CATCH-UP" - MICHELLE SCHUMAN GUIDES US TO CROSSING AND ALLOWS US TO CROSS HER PRIVATE LAND AT THE END OF THE ROAD IN THE SUB-DIVISION AT THE TOP OF THE BLUFF OVER LOOKING MATANUSKA RIVER

S16 GRANITE CREEK X-ING



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C. KEIB

1430 GRANITE CREEK CROSSING (S16)

CREEK BED ARE STONES FROM .5" – BOULDERS 60" IN DIAMETER BELOW

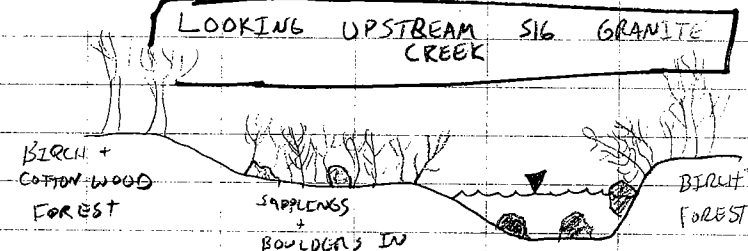
STONY CREEK BED IS SILT MIXED WITH SAND. MIXTURE IS ABOUT 50/50.

CREEK @ CROSSING HAS VISIBLE WHITE WATER RAPIDS UP TO 4 FEET DEEP.

"OLD CREEK BED" CONTAINS BOULDERS SIMILAR TO ACTIVE CHANNEL BED WITH ADDITIONAL TREE SAPLINGS UP TO 4" IN DIAMETER

OLD CREEK BED HAS CONSIDERABLE FOLIAGE GROWTH. MEET W/GREG BLACK TO GUIDE IN

LOOKING UPSTREAM S16 GRANITE CREEK



1625 ARRIVE NEAR S16 GETTING READY TO EMBARK TO CROSSING.

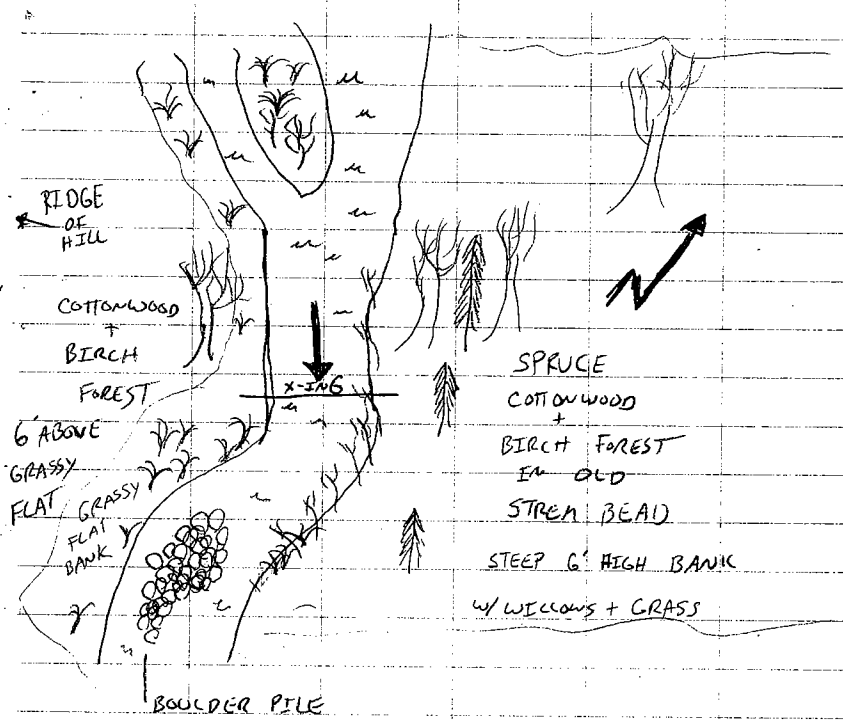
1640 ARRIVE @ S17 ESKA CREEK X-ING

NO VEGITATION GROWING IN ACTIVE STREAM BED

8

AUGUST 13, 2005

ESKA CREEK CROSSING S17



STREAM BED HAS COBBLES FROM .5" TO BOULDERS 20" IN DIAMETER. SILTY SAND BENEITH ROCKY STREAM BED

A LOT OF WILLOWS + FOLIAGE HANGING OVER STREAM. DEPTH APPROX: 1 FOOT DEEP

8

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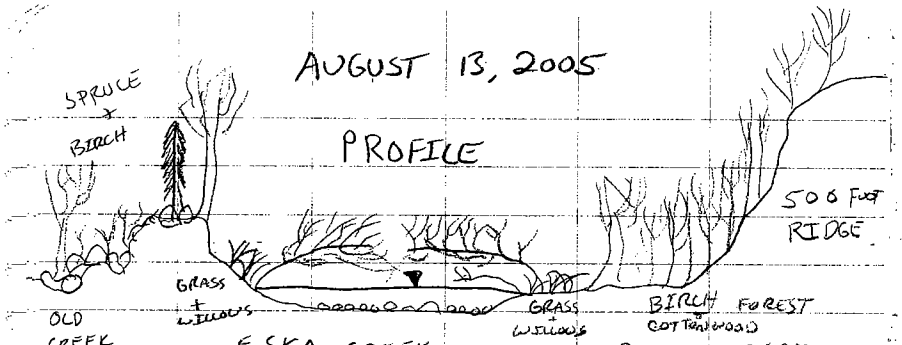
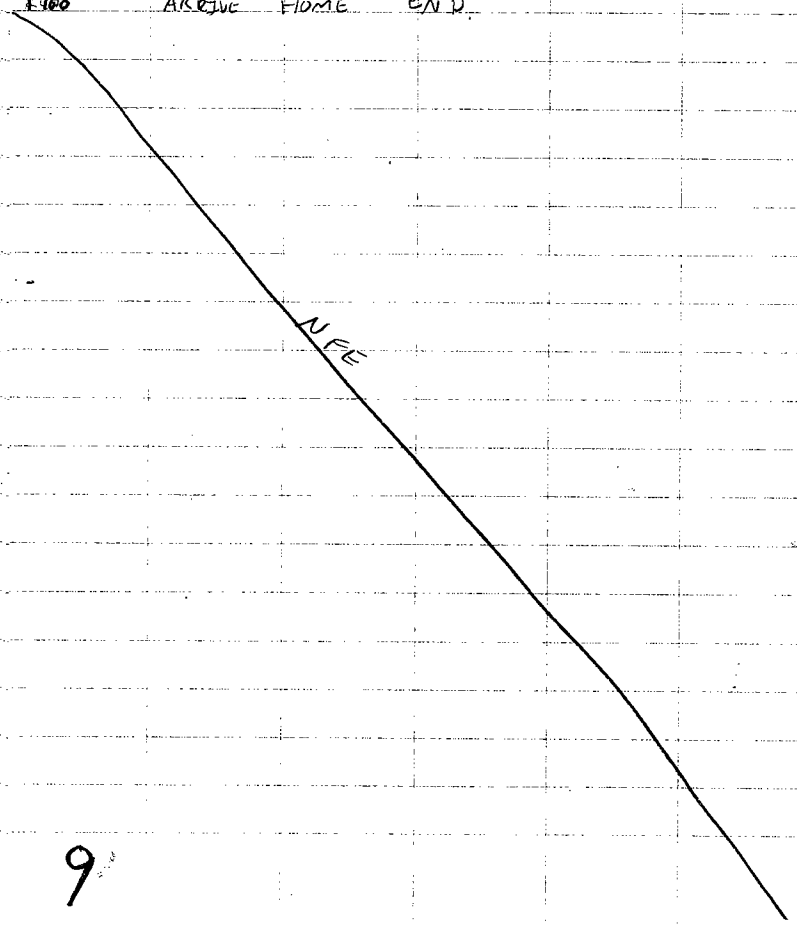
PROFILE



ESKA CREEK LOOKING DOWN STREAM AT CROSSING

1900 ARRIVE HOME END



9

WX FOG BEING BURNED OFF TO CLEAR SKIES COOL ~ 60° F

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E. KEIB

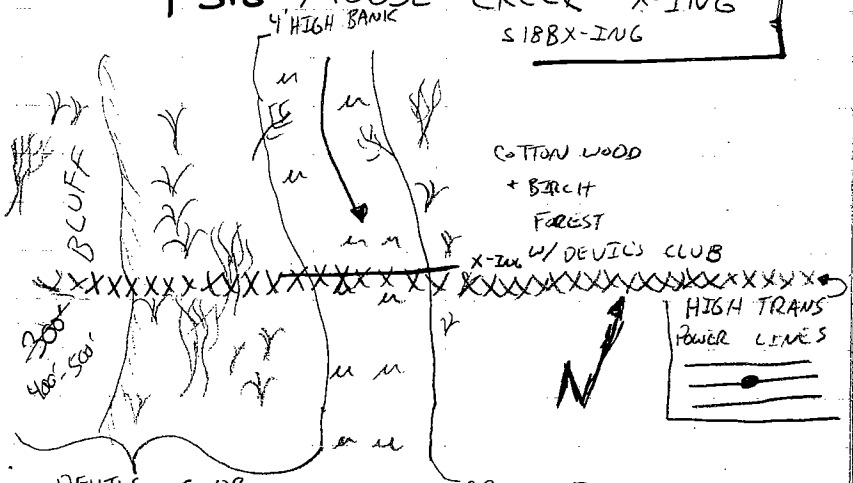
AUGUST 14, 2005

0706 PICK-UP @ HOME HEAD OUT FOR S18 AND OTHER SITES

0810 ARRIVE @ S18 AREA AND PREP FOR WALK TO X-ING. FOG LIFTING. BLUE SKY VISIBLE. BUFFALO MINE RD.

S18 - MOOSE CREEK X-ING

S18BX-ING



STREAM BED ROCKY ON TOP OF SAND WITH SILT. ROCKS RANGE FROM 0.5" – BOULDERS 50" IN DIAMETER. LOTS OF FOLIAGE HANGING OVER STREAM

* S18 CROSSING WASING SUITABLE FOR XING DUE TO LARGE CLIFFS ON STREAM BANK

9

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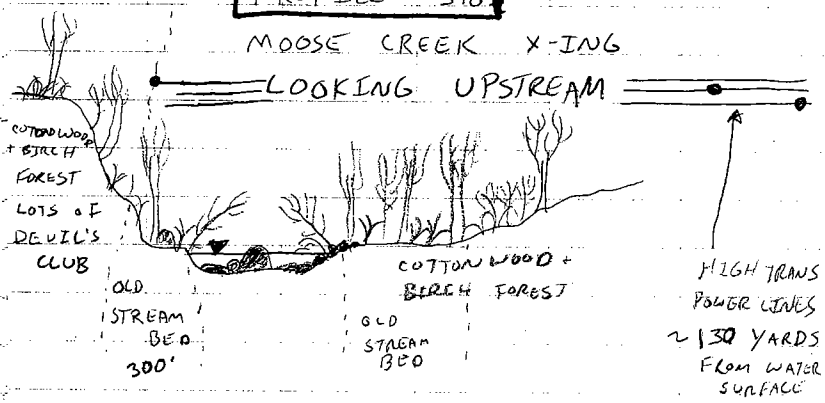
AUGUST 14, 2005

PROFILE S18

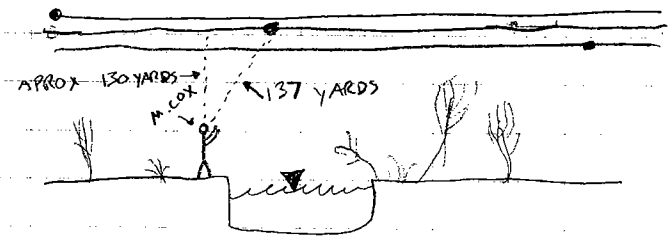
MOOSE CREEK X-ING



AVERAGE STREAM DEPTH BY OBSERVATION = 2'-4'

RAPID WATERS BOULDERS VISIBLE ABOVE WATER SURFACE

MEASURED DISTANCE OF TRANS. POWER LINES USING NIKON RANGE FINDER ON "BALL" ON WIRES. TOOK 3 SHOTS ALL = 137 YARDS



* EASIEST WAY TO GET TO CROSSING IS TO DRIVE DOWN BUFFALO MINE RD UNTIL YOU GET TO POWER LINES.

10

AUGUST 14, 2005

NEXT TAKE ACCESS PATH ON THE RIGHT UNTIL IT ENDS AT THE END OF THE FINGER. FOLLOW FINGER DOWN TO CROSSING.

1000 RETURN TO VEHICLE FROM S18 X

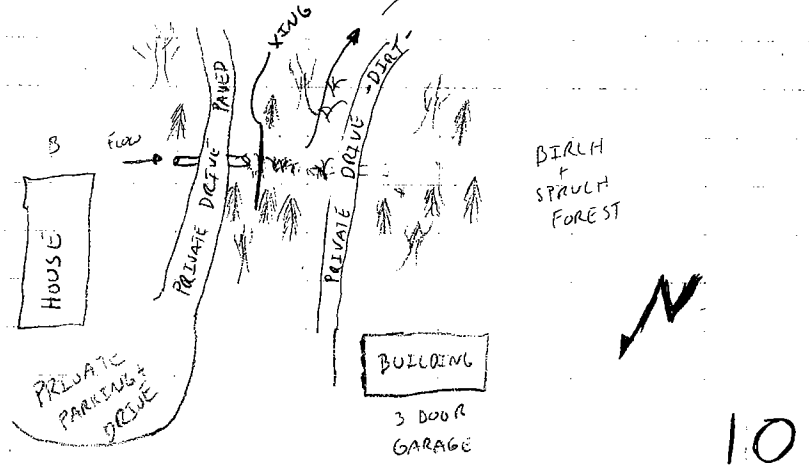
WX, CLOUDY, COOL ~60°F NO WIND. OVERCAST.

1040 ARRIVE E. YENTNA DR + TARCINA DR AND GET READY FOR WALK TO S19

1150 NEW SPOT FOR S19. CARNEGIE CREEK S19B IS MARKED IN GPS AS S19B. S19 WASN'T LOCATED. S19 DOES NOT EXIST AND CANNOT BE LOCATED.

→ S19B CARNEGIE CREEK DATA

LAT: N 61°38' 16".3 } S19B
LONG: W149° 11' 08.7" →



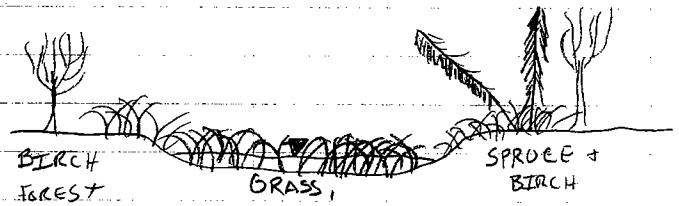
10

M. COX
E. KEIB

AUGUST 14, 2005

1200

- STREAMBED IS SATURATED GRASS RUNNING BETWEEN PRIVATE DRIVES DEPTH IS 1"-2" DEEP. STREAMBED ALSO CONSISTS OF PEBBLES UP TO 1" IN DIAMETER, AND SILTY SAND. MOST OF STREAM BED IS GROWN OVER W/ GRASS
- 2 FOOT CMP CULVERT.



PROFILE

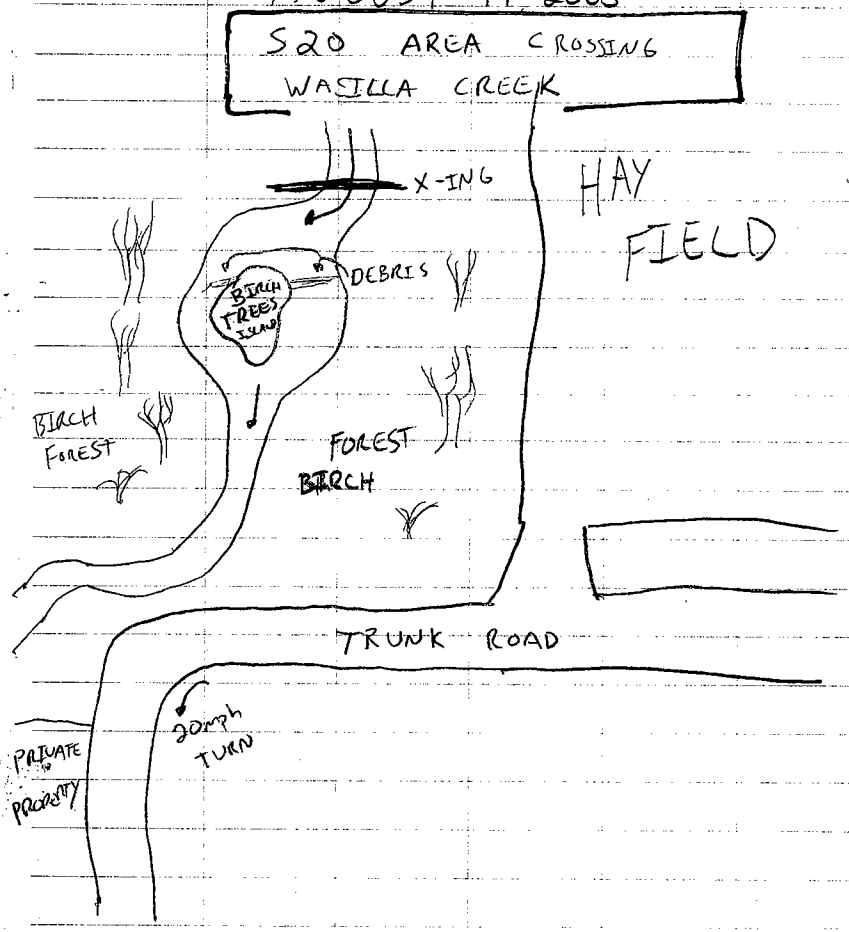
LOOKING DOWN STREAM

S19B CARNEGIE CREEK CROSSING

1230 GETTING READY TO GO TO S20. 105' FROM X-ING WASILLA CREEK

AUGUST 14 2005

S20 AREA CROSSING WASILLA CREEK



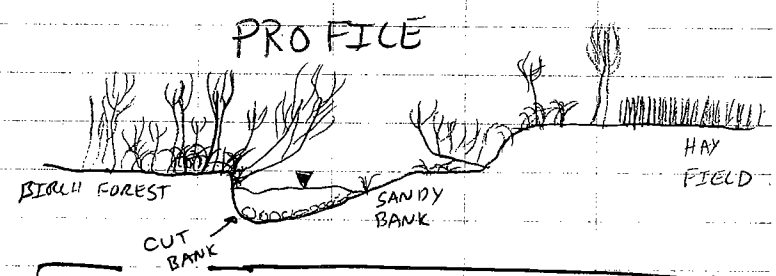
STREAMBED STONY WITH ROCKS FROM 0.25"- STONES 7" IN DIAMETER. BENEATH STONY BED IS SAND.

- WX. OVERCAST & COOL ~60°F NO WIND

AUGUST 14, 2005

M. COX
E. KEIB

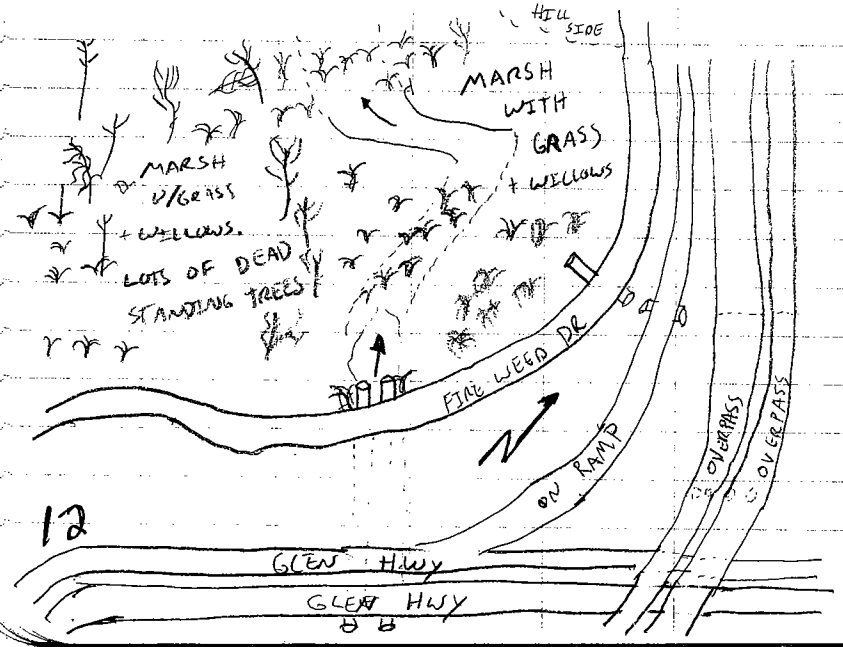
PROFICE



S20 WASILLA CREEK
CROSSING LOOKING UPSTREAM

AVERAGE STREAM DEPTH = 1'-2' FEET.

1410 ARRIVE NEAR **S21 SPRING CREEK** IT APPEARS TO BE A LARGE MARSHY WET LAND. WERE PARKED @ THE 2 CULVERTS ON FIRE-WEED DR NEAREST PIPELINE X-ING.



12

AUGUST 14, 2005

1430 - 3' CULVERTS CMP
- GRASS THROUGHOUT MARSH UNABLE TO MEASURE ACTIVE CHANNEL & HIGH BANK.
- 2 CULVERT BATTERY HARD TO SEE. IT'S COVERD BY WILLOWS + GRASS.

1440 HEAD BACK TO ANCHORAGE

12