Department of Fish and Game
Habitat and Restoration Division

Important to Anadromous Fish

Region: SOUTHCENTRAL

USGS Quad: Anchorage C-7

Anadromous Water Catalog Number of Waterway: **247-50-10300-2022**

Name of Waterway: ☐ USGS Name ☐ Local Name

☑ Addition ☐ Deletion ☐ Correction ☐ Backup Information

For Office Use		
Nomination # 99 343		5/15/00
Revision Year: 2000	Regional Supervisor	Date
Revision to: Atlas ___ Catalog ___		5/15/2000
Both X	AWC Project Biologist	Date
Revision Code: A-2		5/16/00
	Drafted	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Coho	5/9/00		16		☑
					☐
					☐
					☐
					☐

IMPORTANT: Provide all supporting documentation that this water body is important for the spawning, rearing or migration of anadromous fish, including: number of fish and life stages observed; sampling methods, sampling duration and area sampled; copies of field notes; etc. Attach a copy of a map showing location of mouth and observed upper extent of each species, as well as other information such as: specific stream reaches observed as spawning or rearing habitat; locations, types, and heights of any barriers; etc.

Comments: A trap was set on 5/8/2000 @ 1445 and pulled on 5/9/00 at 1515 to check for the presence of anadromous fish. Sixteen juvenile coho of two or three age classes were captured. Fork lengths ranged between 60 and 110 mm. Trap was set under log about 25 feet upstream of the culverts under Harness Road. No barriers were noted, the stream extends above this spot for some ways and fish presence likely extends above this spot. Downstream of the culverts the stream has been channelized through a private residence and is park like with manicured lawn down to water. The stream flows through several decorative bridges and a culvert under the drive of this residence. Then continues behind the next lot, through a 36 inch culvert under South Redoubt Drive and then into Cottonwood Creek.

SEE ALSO ATTACHED DATA FROM MSB CULVERT INVENTORY
EW 5/22/01

EDWARD W. WEISS
HABITAT BIOLOGIST

STATE OF ALASKA
DEPARTMENT OF FISH AND GAME

333 RASPBERRY ROAD
ANCHORAGE, ALASKA 99518
PHONE: (907) 267-2284
DESK PHONE: (907) 267-2305

Signature: _____

Date: 5/15/00

This certifies that in my best professional judgment and belief the above information is evidence that this waterbody should be included in or deleted from the Catalog of Waters Important for Spawning, Rearing or Migration of Anadromous Fishes per AS 16.05.870.

Signature of Area Biologist: _____

Revision 3/97

Survey Date | Time | Lat. (dec. deg) | Long. (dec. deg)

Team Leader | Other Observers:

Legal Description: 1/4 Sect. | Sect. | T. | N/S | R. | E/W | Mer.

Temp. (C) Air | Water | DO (ppm):

pH: | Cond. (µS/cm) | Salinity

Turbidity (NTU): | Secchi (m):

Quad: | ITM

Stream #

Stream Status | Region:

Name | Elevation (m):

48 hr. Precip./Runoff

Stream Stage

Stream Gradient (%)

Water Color

Width (m)

Depth Left Bank (m)

Depth Right Bank (m)

Depth Thalweg (m)

Velocity (m/s)

Substrate: Organic (%) | Silt/Clay (%) | Sand (%) | Gravel (%) | Cobble (%) | Boulder (%) | Bedrock (%)

m	Left	Rip. Veg.	Right
0 - 5			
5 -10			
10 - 20			
20 - 30			

'96 Rosgen Channel Code

'92 Tongass Channel Code

Sinuosity | Floodplain width (m) | Valley Slope (%) | Ice thickness (m) | Water depth (m)

Station Data Comments

Wildlife Comments

Fish data

#3 Species CO | Life Stage R | Susp.Spawn.? ☐ | Life Hist. | # | Age Classes

Gear | Trap Count: 4 | Trap In (D/T): | Trap Out (D/T): | Trap Dur. (h):

Time (s) | Area (sq.m) | Effic. (%) | Volt (V) | Freq. (Hz): | Wave Form

Habitat Channel | Macro | Meso | Micro | Hydraulic Control

Aquat	Emerg	Bnk	U_Cul	OH Veg	Rootwad	Log	ShrbDet	BnkCalv	Deb.Jam	Substi	Turbic	Dep	Slsh	Hum. Deb	Oth	None
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

	Type	Pop/Mlg	Height (m)	Pool depth (m)	Gradient (%)	Length (m)
Barrier:	MT					

Length (mm)										
	77	109	109	75						

Comments: OTHER SMALL FISH NOTED DARTING AWAY ON WALK DOWN CREEK.

Fish data

#4 Species CO | Life Stage | Susp.Spawn.? ☐ | Life Hist. | # | Age Classes

Gear | Trap Count: 16 | Trap In (D/T): | Trap Out (D/T): 1515-7/9/ | Trap Dur. (h):

Time (s) | Area (sq.m) | Effic. (%) | Volt (V) | Freq. (Hz): | Wave Form

Habitat Channel | Macro | Meso | Micro | Hydraulic Control

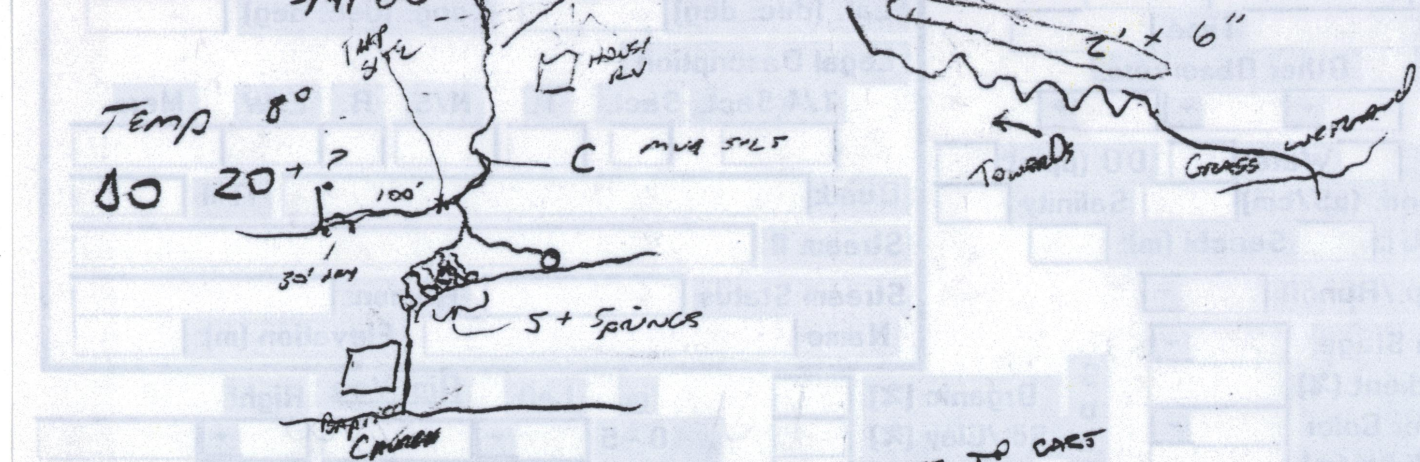
Aquat	Emerg	Bnk	U_Cul	OH Veg	Rootwad	Log	ShrbDet	BnkCalv	Deb.Jam	Substi	Turbic	Dep	Slsh	Hum. Deb	Oth	None
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

	Type	Pop/Mlg	Height (m)	Pool depth (m)	Gradient (%)	Length (m)
Barrier:						

Length (mm)										
	109	88	60	92	86	93	82	75	110	63

Comments: 5.9°C

Silvering smolt?



TRAP @ T03 6828 + SOME OFF TO CART

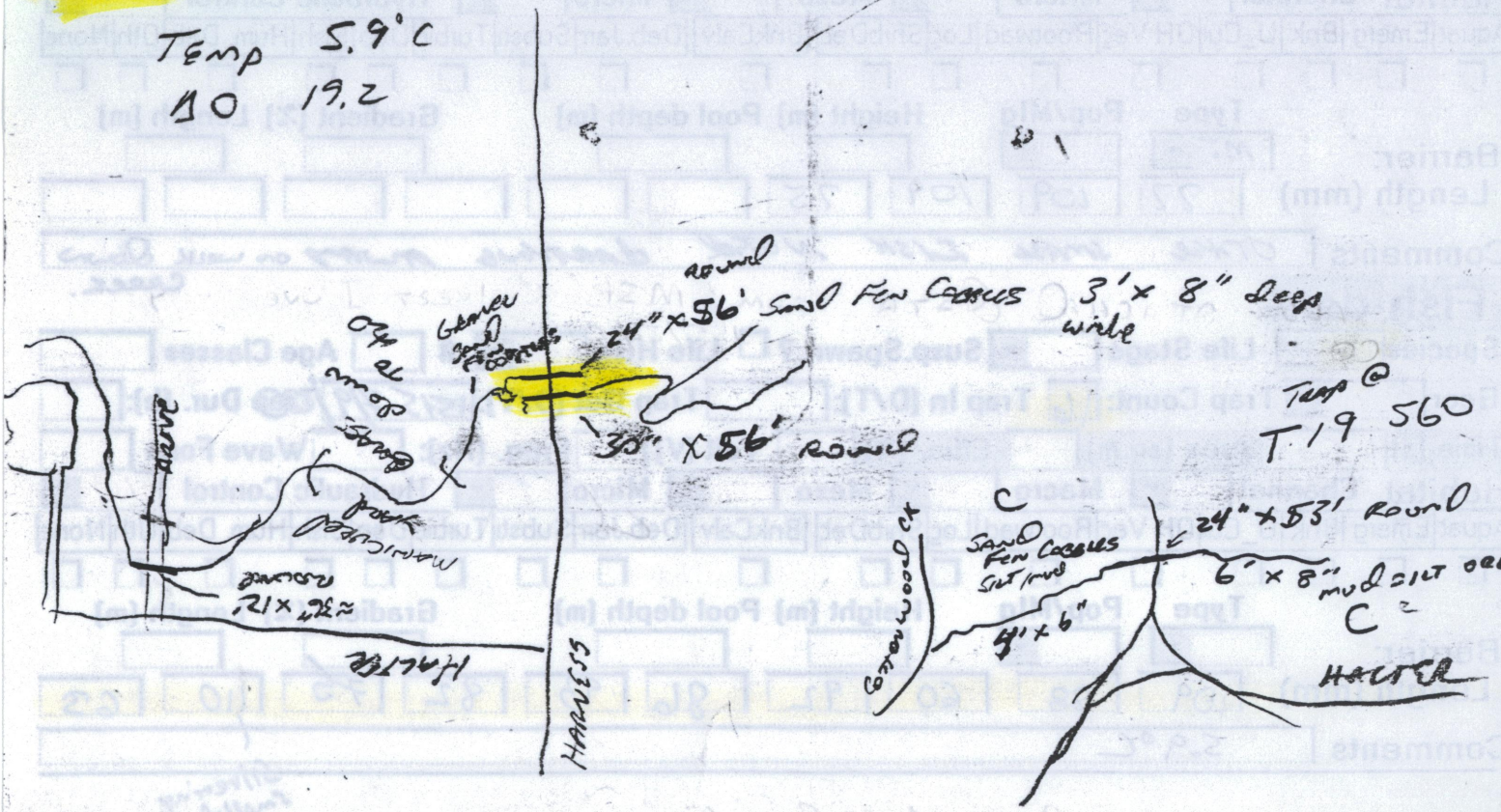
BEGIN @ 6501.35

COR

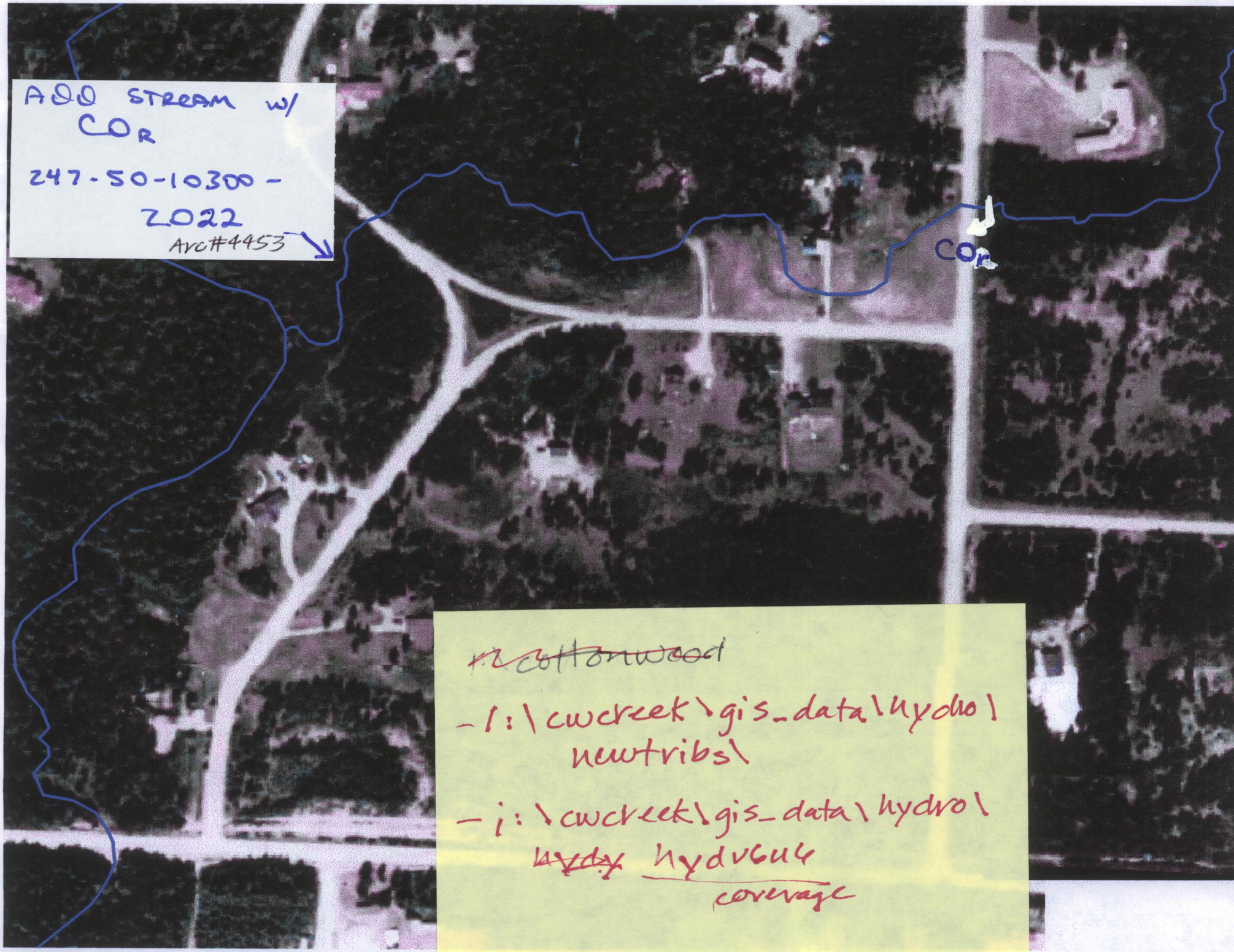
#4

TEMP 5.9°C

DO 19.2



COR T19 0-560


ADD STREAM w/
COR
247-50-10300-
2022
Arc#4453
COR
~~cottonwood~~
-/:\cwcreek\gis_data\hydro\
newtribs\
-i:\cwcreek\gis_data\hydro\
~~hydy~~ hydv6u6
coverage

Mat-Su Stream Crossing Structure

FY01 ADDITIONAL INFO

Minnow Trap

141U1

set	7/28 3:15	
pull	7/28 3:45	
time		

Catch	Upstream Species	Upstream Length	Downstream Species	Downstream Length
1	CO	64		
2	CO	65		
3	CO	80		
4	CO	82		
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

fish habitat / presence:

Sample method	MT	code
Habitat	ABTR	code

presence verified:

Chinook		codes
Coho	US-R	
Sockeye		N
Pink		US
Chum		DS
Rainbow		BT
Dolly Varden		
Other Resident Fish		

Weather	Precipitation
clear	today Ø
prt. cldy	yesterday Ø
cloudy	this week

Stream Stage	Water Temp
high	
medium	___
low	

Substrate	%	Water Clarity
mud	70	clear
sand		stained
gravel	20	turbid
cobble	10	muddy
bldr/bedrock		murky

site:

Date	9/28/00	
Site No.	141	GPS wpt
Sampling Crew	EW / DH	initials
Road Name	Redoubt	
Stream Name	Cottonwood Trib.	
Watershed Minor No.		Aa#

culvert:

Crossing Structure Type	CP	code
Entrance Type	PRO	code
Substrate Type	N	code
Inlet Erosion	N	code
Outlet Erosion	N	code
Structure Failure Mechanism	N	code
Special Site Condition	N	code
Road Prism type	TF	code

stream:

Upstream Substrate Type	M	code
Upstream Bank Composition	A	code
Downstream Substrate Type	M	code
Downstream Bank Composition	A	code

Notes:

Trap set shallow, short period, & leaves in upper end.

Mat-Su Stream Crossing Structure

Minnow Trap

Y42-V1

set	9/29	1140
pull	9/29	1300
time		

Catch	Upstream Species	Upstream Length	Downstream Species	Downstream Length
1	COHO	100		
2	COHO	90		
3	COHO	95		
4	DV	91		
5	COHO	59		
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

fish habitat / presence:

Sample method	MT	code
Habitat	ABR	code

presence verified:

		codes
Chinook		
Coho		
Sockeye		
Pink		
Chum		
Rainbow		
Dolly Varden		
Other Resident Fish		

codes: N, US, DS, BT

Weather	Precipitation
clear	today Ø
prt. cldy	yesterday Ø
cloudy	this week

Stream Stage	Water Temp
high	
medium	___
low	

Substrate	%	Water Clarity
mud	60	clear
sand	15	stained
gravel	20	turbid
cobble	5	muddy
bldr/bedrock		murky

Date	9/29/00	
Site No.	142	GPS wpt
Sampling Crew	EW DH	initials
Road Name	HARNESS	
Stream Name	COTTONWOOD TRIB	
Watershed Minor No.		Aa#

site:

culvert:

	L	R	
Crossing Structure Type	CP	CP	code
Entrance Type	PRO		code
Substrate Type	M	MG	code
Inlet Erosion	N	N	code
Outlet Erosion	N	N	code
Structure Failure Mechanism	OT		code
Special Site Condition	OT		code
Road Prism type	TF		code

stream:

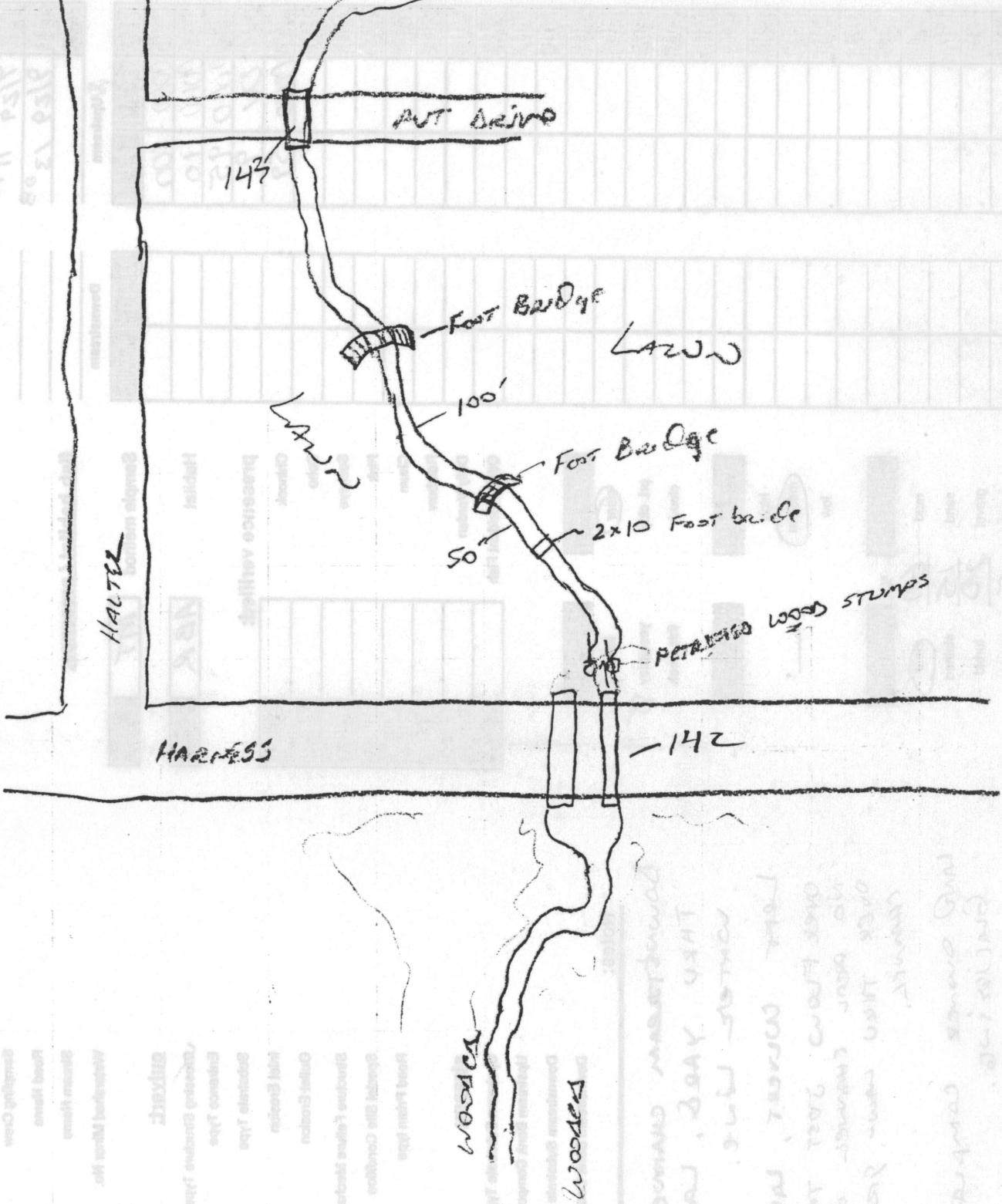
Upstream Substrate Type	M	code
Upstream Bank Composition	A	code
Downstream Substrate Type	M/FG	code
Downstream Bank Composition	A	code

Notes:

DOWNSTREAM CHANNEL CHANNELIZED THRU YARD, LAWN DOWN TO WATER LINE.

LEFT CULVERT, LARGER OF 2 IS OVER FLOW JUST TRICKLE THRU IT. NO REAL CHANNEL BELOW IT FLOWS OVER THRU LAWN GRASS INTO MAIN CHANNEL.

LAND OWNER COMPLAINS OF ICING GLACIERING.


PUT DRIVE
143
FOOT BRIDGE
LAWN
100'
LAWN
FOOT BRIDGE
2x10 FOOT bridge
50'
HALTER
PETRIFIED WOOD STUMPS
142
HARNESS
WOODS
WOODS

Mat-Su Stream Crossing Structure

Minnow Trap

N43U1

set	
pull	NONE
time	

Catch	Upstream Species	Upstream Length	Downstream Species	Downstream Length
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

fish habitat / presence:

Sample method	V15	code
Habitat	ABR	code

X COHO TRAP @ SITES ABOVE & BELOW THIS ONE.

presence verified:

		codes
Chinook		
Coho	BT-R	
Sockeye		N
Pink		US
Chum		DS
Rainbow		BT
Dolly Varden		
Other Resident Fish		

Y SMALL SALMONID VISUALLY SEEN, NO IA.

Weather	Precipitation
clear	today Ø
prt. cldy	yesterday Ø
cloudy	this week

Stream Stage	Water Temp
high	
medium	___
low	

Substrate	%	Water Clarity
mud	20	clear
sand		stained
gravel	80	turbid
cobble		muddy
bldr/bedrock		murky

site:

Date	9/29/00	
Site No.	143	GPS wpt
Sampling Crew	DH, EW	initials
Road Name	PVT DRIVE	
Stream Name	COTTONWOOD TRIB	
Watershed Minor No.		Aa#

culvert:

PERM = PT/PT
CLASS = STREAM

Crossing Structure Type	CP	code
Entrance Type	MIT / FLU	code
Substrate Type	N	code
Inlet Erosion	N	code
Outlet Erosion	N	code
Structure Failure Mechanism	N	code
Special Site Condition	OT	code
Road Prism type	TF	code

stream:

Upstream Substrate Type	CG	code
Upstream Bank Composition	A	code
Downstream Substrate Type	CG	code
Downstream Bank Composition	A	code

Notes:

* SEE SITE 142 FOR SKETCH

STREAM CHANNELIZED THRU YARD UPSTREAM & DOWNSTREAM. LAWN GROOMED DOWN TO WATER LINE.

STREAM PIPE THAW SYSTEM IN STREAM FROM 90' UPSTREAM TO ≈ 150' DOWNSTREAM.

Arch C-2