**State of Alaska**
**Department of Fish and Game**
**Habitat and Restoration Division**

**Nomination for Waters**
**Important to Anadromous Fish**

Region: SOUTHCENTRAL ▼ USGS Quad: Anchorage C-6

Anadromous Water Catalog Number of Waterway: 247-50-10200-2071 & 247-50-10200-2071-3025 & 3023

Name of Waterway: Bodenberg Creek & Trib. ☑ USGS Name ☐ Local Name

☑ Addition ☐ Deletion ☑ Correction ☐ Backup Information

3023 a — Arc#4485

For Office Use

| | | | |
|---|---|---|---|
| Nomination #: 01 146 | | | |
| Revision Year: 2001 | | Regional Supervisor | Date 11/20/01 |
| Revision to: Atlas ____ Catalog ____ Both X | | AWC Project Biologist | Date 7/10/01 |
| Revision Code: 4-1 A-2, C-5, B-2, B-1 | | Drafted | Date 12/11/01 |

OBSERVATION INFORMATION

| Species | Date(s) Observed | Spawning | Rearing | Present | Anadromous |
|---|---|---|---|---|---|
| Sockeye Coho | 8/15/00 | | 50+ | | ☑ |
| Sculpin | 8/15/00 | | 2 | | ☐ |
| King | 8/15/00 | | 1 | | ☐ |
| | | | | | ☐ |
| | | | | | ☐ |

**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:** Data collected during Mat-Su Culvert Inventory of Bodenberg, Wasilla and Cottonwood Creek drainages, see attached data sheets. Additional information available in Inventory database.

Stream 247-50-10200-2071-3025 as currently depicted in Atlas is really two streams. Both are spring fed, originate and flow north-south parallel to the Old Glenn Highway. They are seperated by a short distance and a driveway near site 005. The hydrography for the lower portion of the stream which flows thru sites 002 & 003 should be corrected and renumbered to 3023. The hydrography for the northerly portion of the stream should also be corrected and this portion can retain the old number 3025. Bodenberg Creek 2071 should also be extended up to the confluence of 3025 above site 004. Add sockeye spawning and rearing to both. Add Chum presence to 3023 at above site 002.

Updated Hydrography exists in I:\hr_projs\msbculverts\gis_data\hydro\bodhyd.shp


EDWARD W. WEISS
HABITAT BIOLOGIST
333 RASPBERRY ROAD
ANCHORAGE, ALASKA 99518
PHONE: (907) 267-2284
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STATE OF ALASKA
DEPARTMENT OF FISH AND GAME


**Signature:** _____

**Date:** 5/23/01

ALASKA DEPT. OF FISH & GAME
MAY 24 2001
REGION II
HABITAT AND RESTORATION DIVISION

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

# Stream Crossing Structure Inventory
## Mat-Su

Time = 1630

| | | |
|---|---|---|
| Date | 8/1/00 | |
| Site No. | 003 | GPS wpt |

## road:

| | | |
|---|---|---|
| Prism type | TF | code |
| Crossing Structure Type | CP/CA | code |
| Structure Failure Mechanism | N | code |
| Special Site Condition | N | code |

WDR L, R

## site:

| | | |
|---|---|---|
| Sampling Crew | | initials |
| Road Name | PVT DRIVE | |
| Stream Name | B | |
| Watershed Minor No. | C | Aa# |

## stream:

| | | |
|---|---|---|
| Upstream Substrate Type | S | code |
| Upstream Bank Composition | A | code |
| Downstream Substrate Type | S | code |
| Downstream Bank Composition | A | code |

## fish habitat / presence:

| | | |
|---|---|---|
| Fish Habitat | | code |
| Fish Sampling method | MT | code |

| | presence verified | |
|---|---|---|
| Chinook | N | |
| Coho | N | |
| Sockeye | N | |
| Pink | N | codes |
| Chum | N | N |
| Rainbow | N | US |
| Dolly Varden | N | DS |
| Other Resident Fish Presence | N | BT |

## skew:

OK

| | dd° | Skew° |
|---|---|---|
| Bearing of roadway SSW | 85° E | |
| Bearing of culvert SSW | A 185 S / B 185 S | 10° |
| Bearing of U-channel | 0° N | 5° |
| Bearing of D-channel S10E | E 170° S | 15° |

185 / 90 / 95 / 85 / 10

DOWN

1 YOY ~~SOCKEYE~~ FRY CAPTURED IN TRAP D, CAUGHT IN MESH. = 43 mm

SEVERAL OTHER SMALL UNIDENT. SALMONIDS SEEN IN SHALLOW POOL DOWNSTREAM of CULVERT.

76'

## notes:

FISH PASS UPSTREAM of THIS SITE WITHIN CATALOGED AWC REACH.

PRIMARILY SAND IN SLOW WATER AREAS PONDS UPSTREAM & DOWNSTREAM of CULV. COARSE GRAVEL @ INLET & OUTLETS of CULVERTS where SAND WASHED AWAY.

180

Site No.

**culvert:**

| | | |
|---|---|---|
| Entrance Type | | code |
| Inlet Erosion | | code |
| Outlet Erosion | | code |

**substrate:**

| | | |
|---|---|---|
| culvert | Ø | code |
| upstream | CG/S | code |
| downstream | CG/S | code |

| | | |
|---|---|---|
| upstream bank composition | | code |
| downstream bank composition | | code |

**culvert:** 1#

| | | left A In | left A out | right B In | right B out |
|---|---|---|---|---|---|
| Width / diameter | ft | 2.5 | 2.5 | 2 | 2 |
| Height | ft | 2.5 | 2.5 | 2 | 2.1 |
| H2O Depth | ft | 1.7 | 1.4 | 1.7 | 1.65 |
| Substrate Depth | ft | 0 | 0 | .8 | 0 |
| culvert damage | ft | SM NICK | SM DENT | | Ø |
| culvert blockage | ft | 0 | 0 | | Ø |
| Corrugation Depth | in | 7/16" | | 1/2" | |
| Corrugation Width | in/count | 5 IN .9 | | 5 IN .9 | |

**culvert barrel velocity:**

| | length | sec. | sec. | sec. | sec. | sec. | x_sec |
|---|---|---|---|---|---|---|---|
| A left | 46' | 12 | 13 | 13 | | | |
| B right | 44' | UPPER END SUBMERGED | | | | | |

A: Some debris in upper end. Inlet ≈ 1" above thalweg. Cleared debris

B = Some debris in inlet, cleared. ½ full substrate. Totally submerged. 5 ft.

Minnow Trap/Electrofisher (circle) Observer/s: OS

Fishing Time: 2 hrs 45 min

| | Minnow Trap | Electrofisher | Water Temp |
|---|---|---|---|
| Start: | [illegible] | | Time 1: |
| Stop: | [illegible] | | Time 2: |
| Accum: | 0 | | |

CATCH

| | Species | Lgth | Brand (Y/N) | Brand Type | Brand Location | Recap | | Species | Lgth | Brand (Y/N) | Brand Type | Brand Location | Recap |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | 21 | | | | | | |
| 2 | | | | | | | 22 | | | | | | |
| 3 | | | | | | | 23 | | | | | | |
| 4 | | | | | | | 24 | | | | | | |
| 5 | | | | | | | 25 | | | | | | |
| 6 | | | | | | | 26 | | | | | | |
| 7 | | | | | | | 27 | | | | | | |
| 8 | | | | | | | 28 | | | | | | |
| 9 | | | | | | | 29 | | | | | | |
| 10 | | | | | | | 30 | | | | | | |
| 11 | | | | | | | 31 | | | | | | |
| 12 | | | | | | | 32 | | | | | | |
| 13 | | | | | | | 33 | | | | | | |
| 14 | | | | | | | 34 | | | | | | |
| 15 | | | | | | | 35 | | | | | | |
| 16 | | | | | | | 36 | | | | | | |
| 17 | | | | | | | 37 | | | | | | |
| 18 | | | | | | | 38 | | | | | | |
| 19 | | | | | | | 39 | | | | | | |
| 20 | | | | | | | 40 | | | | | | |

Comments:

# FISH HABITAT SURVEY FORM

Rev. 7/9/96

SURVEY AREA: Bodenberg Crk Trib.

STATION NO: C00731C & D DATE: 7/31/00 TIME: Set 1640 Pulled 1800

OBSERVERS: EWW OJ TEAM: A B STREAM NO: _____

GPS COORDINATES: Lat. _____ Long. _____

| WEATHER: | STREAM STAGE: | PRECIP: |
|---|---|---|
| CLEAR | HIGH | TODAY _____ |
| PRT. CLDY. | MEDIUM | YESTERDAY _____ |
| CLOUDY | LOW | THIS WEEK _____ |

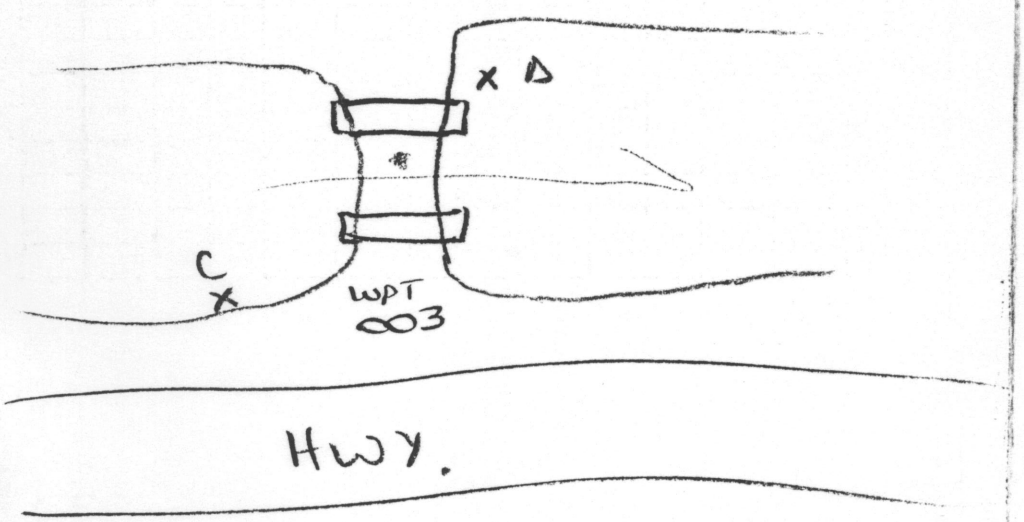
TEMP: AIR _____ WATER 36° STREAM GRADIENT: _____ %

| WATER CLARITY: | SUBSTRATE COMPOSITION (%): | | STREAM DIMENSIONS (ft): |
|---|---|---|---|
| CLEAR | MUD | | WIDTH _____ |
| STAINED | SAND | 70 | DEPTH, LEFT BANK _____ |
| TURBID | GRAVEL | 30 | DEPTH, RIGHT BANK _____ |
| MUDDY | COBBLE | | DEPTH, MID-CHANNEL _____ |
| MURKY | BLDR/B-ROCK | 100% | |

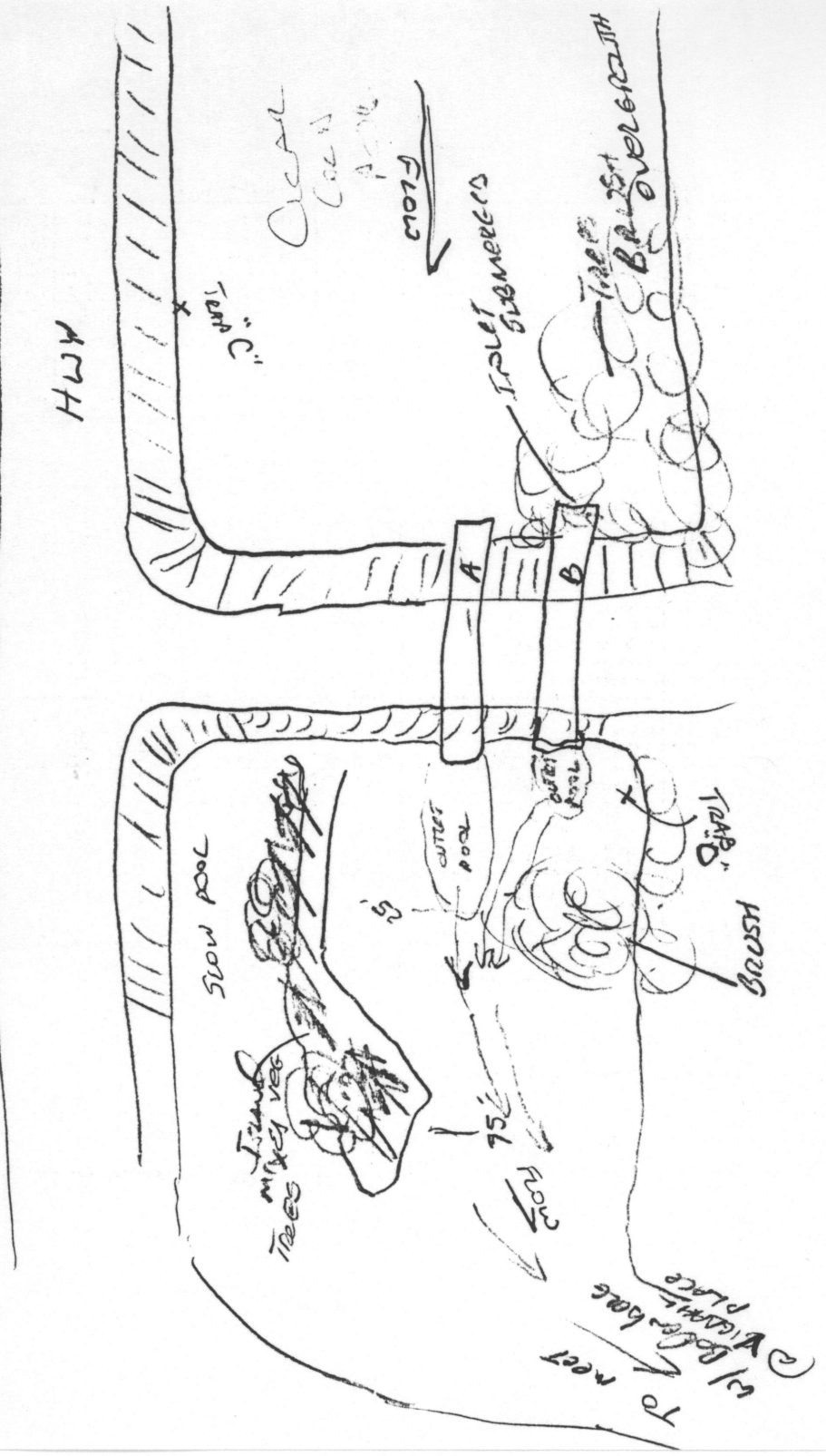
VELOCITY: fps None 0 Slow 0 - 1 Medium 1 - 3 Fast 3+

MEASURED VELOCITY: _____

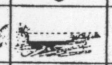
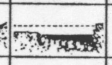
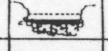
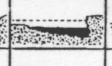
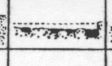
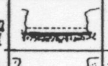
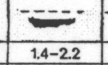
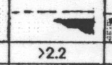
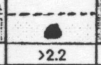
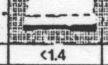
CHANNEL DIAGRAM (INCLUDE BANK & STREAM FEATURES, VEGETATION):

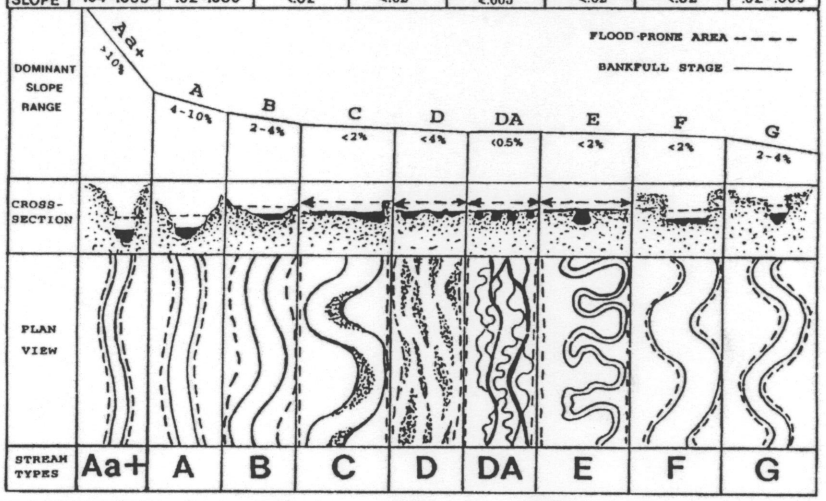



ROLL NO. _____ FRAME NOS. _____



CIRCLE DOMINANT CHANNEL TYPE:

| Dominant Bed Material | A | B | C | D | DA | E | F | G |
|---|---|---|---|---|---|---|---|---|
| 1 BEDROCK | | |  | | | | | |
| 2 BOULDER | | |  | | | |  | |
| 3 COBBLE | | | | | | | | |
| 4 GRAVEL | | |  |  | | |  | |
| 5 SAND | | | | | | | | |
| 6 SILT/CLAY | |  |  | | |  |  | |
| ENTRH. | <1.4 | 1.4–2.2 | >2.2 | N/A | >2.2 | >2.2 | <1.4 | <1.4 |
| SIN. | <1.2 | >1.2 | >1.4 | <1.1 | 1.1-1.6 | >1.5 | >1.4 | >1.2 |
| W/D | <12 | >12 | >12 | >40 | <40 | <12 | >12 | <12 |
| SLOPE | .04–.099 | .02–.039 | <.02 | <.02 | <.005 | <.02 | <.02 | .02–.039 |




FISH SAMPLING GEAR:_____ TIME:_____ AREA:_____ EFFIC:_____%

CONDUCTIVITY:_____µmhos

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| CO | | | | | | | | | |
| K | | | | | | | | | |
| S | 43mm (V1) | | | | | | | | |
| P | | | | | | | | | |
| CH | ~~43mm~~ | | | | | | | | |
| DV | | | | | | | | | |
| RB/SH | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

WILDLIFE OBSERVATIONS: OTHER SM. YOY SALMONIDS SEEN BUT UNIDENT.

Site No. WAT 002

**culvert:** PRO

| | | |
|---|---|---|
| Entrance Type | CP | code |
| Inlet Erosion | | code |
| Outlet Erosion | | code |

**substrate:**

| | | |
|---|---|---|
| culvert | CG | code |
| upstream | CG/S | code |
| downstream | CG/S | code |

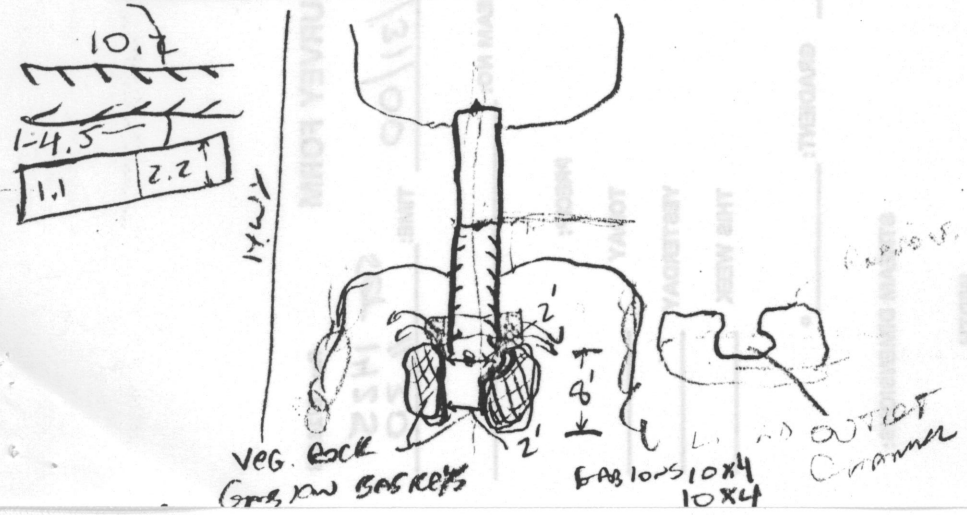
| | | |
|---|---|---|
| upstream bank composition | A | code |
| downstream bank composition | A | code |

**culvert:** I#

| | | left in | left out | right in | right out |
|---|---|---|---|---|---|
| Width / diameter | ft | 2.6 | 2.6 | — | — |
| Height | ft | 2.6 | 2.6 | — | — |
| H2O Depth | ft | 1.1 | 1.7 | — | — |
| Substrate Depth | ft | D-1.45 | D-2.2 | — | — |
| culvert damage | ft | Ø | Ø | — | — |
| culvert blockage | ft | Ø | FISH | MASS | |
| Corrugation Depth | in | ≈.2 | | | |
| Corrugation Width | #/count | 3 per .7 | | | |

**culvert barrel velocity:**

| | length | sec. | sec. | sec. | sec. | sec. | x_sec |
|---|---|---|---|---|---|---|---|
| left | 31.3 | 13.17 | 11.33 | 12.94 | 11.46 | 10.9 | |
| right | | | | | | | |




Minnow Trap/Electrofisher (circle) Observer/s: OJ EWW

Fishing Time: ~~[illegible]~~

| | Minnow Trap | Electrofisher | Water Temp |
|---|---|---|---|
| Start: | ~~1235~~ 1425 | | Time 1: 36°F |
| Stop: | 1730 | | Time 2: |
| Accum: | 0 | | |

CATCH

| | Species | Lgth | Brand (Y/N) | Brand Type | Brand Location | Recap | | Species | Lgth | Brand (Y/N) | Brand Type | Brand Location | Recap |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | 21 | | | | | | |
| 2 | | | | | | | 22 | | | | | | |
| 3 | | | | | | | 23 | | | | | | |
| 4 | | | | | | | 24 | | | | | | |
| 5 | | | | | | | 25 | | | | | | |
| 6 | | | | | | | 26 | | | | | | |
| 7 | | | | | | | 27 | | | | | | |
| 8 | | | | | | | 28 | | | | | | |
| 9 | | | | | | | 29 | | | | | | |
| 10 | | | | | | | 30 | | | | | | |
| 11 | | | | | | | 31 | | | | | | |
| 12 | | | | | | | 32 | | | | | | |
| 13 | | | | | | | 33 | | | | | | |
| 14 | | | | | | | 34 | | | | | | |
| 15 | | | | | | | 35 | | | | | | |
| 16 | | | | | | | 36 | | | | | | |
| 17 | | | | | | | 37 | | | | | | |
| 18 | | | | | | | 38 | | | | | | |
| 19 | | | | | | | 39 | | | | | | |
| 20 | | | | | | | 40 | | | | | | |

Comments:

# FISH HABITAT SURVEY FORM

Rev. 6/26/93

002

STATION NO: 000731B DATE: 7/31/00 TIME: SET 1425 1630

OBSERVERS: _____ TEAM: A B STREAM NO: _____

WEATHER: (CLEAR) PRT. CLDY. (CLOUDY)

STREAM STAGE: HIGH (MEDIUM) LOW

PRECIP: TODAY _____ YESTERDAY _____ THIS WEEK _____

TEMP: AIR _____ WATER _____ GRADIENT: _____°

WATER CLARITY: (MUDDY) MURKY (STAINED) (CLEAR) TURBID

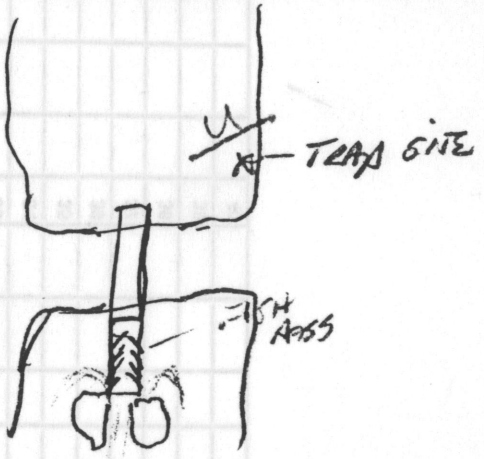
SUBSTRATE:

| | | |
|---|---|---|
| MUD | _____ | |
| (SAND) | 40 | |
| (GRAVEL) | 60 | |
| COBBLE | _____ | |
| BLDR/B-ROCK | _____ | |
| | 100% | |

STREAM DIMENSIONS: WIDTH _____ DEPTH, LEFT BANK _____ DEPTH, RIGHT BANK _____ DEPTH, MID-CHANNEL _____

VELOCITY: None Slow Medium Fast

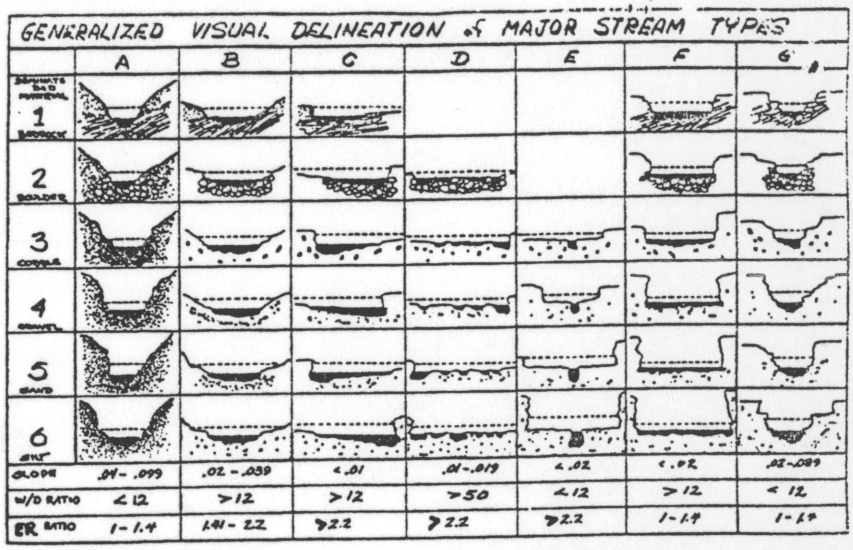
CHANNEL DIAGRAM (INCLUDE BANK & STREAM FEATURES, VEGETATION):



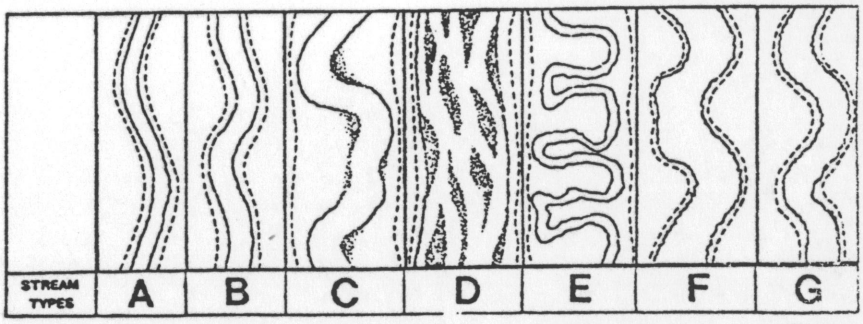

ROLL NO. _____ FRAME NOS. _____

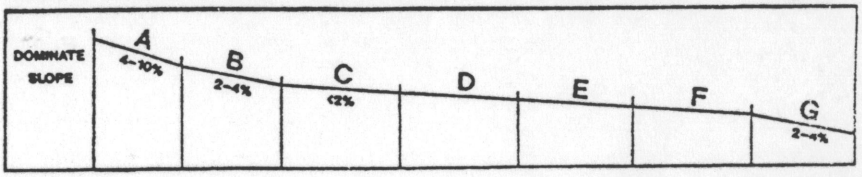
**CIRCLE DOMINANT CHANNEL TYPE:**

GENERALIZED VISUAL DELINEATION of MAJOR STREAM TYPES



| | A | B | C | D | E | F | G |
|---|---|---|---|---|---|---|---|
| SLOPE | .04 - .099 | .02 - .039 | < .01 | .01 - .019 | < .02 | < .02 | .02 - .039 |
| W/D RATIO | < 12 | > 12 | > 12 | > 50 | < 12 | > 12 | < 12 |
| ER RATIO | 1 - 1.4 | 1.41 - 2.2 | > 2.2 | > 2.2 | > 2.2 | 1 - 1.4 | 1 - 1.4 |




| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| CO | | | | | | | | | |
| K | | | | | | | | | |
| S | | | | | | | | | |
| P | | | | | | | | | |
| CH | | | | | | | | | |
| | | | | | | | | | |

**OBSERVATIONS:** 1 UNIDENTIFIED FISH SEEN

**FISH SAMPLING GEAR:**_____ **TIME:** _____ **AREA:**_____ **EFFIC:**_____%

005D1/005U1 - Visit 1
005U1 - Visit 2

# Stream Crossing Structure Inventory
## Mat-Su



| | | |
|---|---|---|
| Date | 8/2/00 | |
| Site No. | 005 | GPS wpt |
| Sampling Crew | EWN, OJ, JC | initials |
| Road Name | Goodrich PVT DRIVE - | |
| Stream Name | Bodenberg TRIB | |
| Watershed Minor No. | | Aa# |

247.50.10200-2000

## road:

| | | |
|---|---|---|
| Prism type | TF | code |
| Crossing Structure Type | CP | code |
| Structure Failure Mechanism | CS | code |
| Special Site Condition | WDR | code |

## site:

## stream:

| | | |
|---|---|---|
| Upstream Substrate Type | S | code |
| Upstream Bank Composition | A | code |
| Downstream Substrate Type | S | code |
| Downstream Bank Composition | A | code |

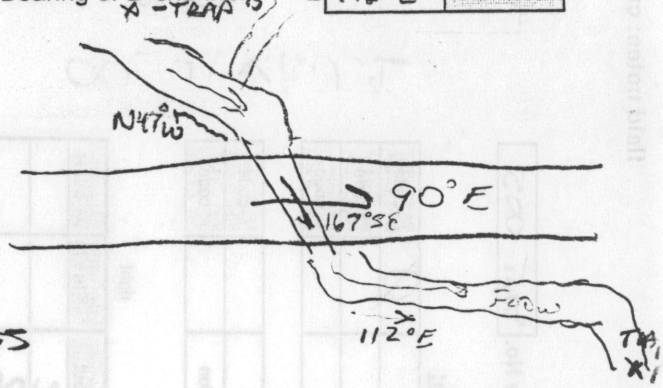
## fish habitat / presence:

| | | |
|---|---|---|
| Fish Habitat | BA | code |
| Fish Sampling method | DN & MT | code |

| | presence verified | |
|---|---|---|
| Chinook | N | |
| Coho | N | |
| Sockeye | DS-R | |
| Pink | N | codes |
| Chum | N | N |
| Rainbow | N | US |
| Dolly Varden | N | DS |
| Other Resident Fish Presence | SCULP. DS | BT |

## skew:

| | dd° | Skew° |
|---|---|---|
| Bearing of roadway | 90°E | |
| Bearing of culvert S13E | ~~167°SE~~ | 13 |
| Bearing of U-channel S73E | N47W | 34° |
| Bearing of D-channel | ~~112°E~~ | 55° |




RESIDENT NOTES SPAWNING ADULTS UPSTREAM & DOWN of BOTH WPTS 005 & 006

notes:

Site No. WPT 005

**culvert:**

FLUSH

| | | |
|---|---|---|
| Entrance Type | PRO | code |
| Inlet Erosion | | code |
| Outlet Erosion | | code |

NO REAL OUTLET "POOL" NORE of RUN or RIFFLE

**substrate:**

| | | |
|---|---|---|
| culvert | Ø | code |
| upstream | | code |
| downstream | | code |

| | | |
|---|---|---|
| upstream bank composition | | code |
| downstream bank composition | | code |

**culvert:** I #

| | | left in | left out | right in | right out |
|---|---|---|---|---|---|
| Width / diameter | ft | 2.1 | 2 | | |
| Height | ft | 2.0 | 2 | | |
| H2O Depth | ft | .75 | .72 | | |
| Substrate Depth | ft | 0.0 | 2+.74 | | |
| culvert damage | ft | 0.0 | 0 | | |
| culvert blockage | ft | 0.0 | 0 | | |
| Corrugation Depth | in | .5" | | | |
| Corrugation Width | ft/count | 4 in .7' | | | |

**culvert barrel velocity:**

| | length | sec. | sec. | sec. | sec. | sec. | x sec |
|---|---|---|---|---|---|---|---|
| left | 27 | 11 | 10 | 10 | | | A |
| right | | | | | | | |

Minnow Trap/Electrofisher (circle) 8/2/00 Observer/s: OS

Fishing Time: 2hrs 45min

| Minnow Trap | Electrofisher | Water Temp |
|---|---|---|
| Start: 0940 | Start: | Time 1: |
| Stop: 1200 | Stop: | Time 2: |
| Accum: 0 | Accum: | |

CATCH

| | Species | Lgth | Brand (Y/N) | Brand Type | Brand Location | Recap | | Species | Lgth | Brand (Y/N) | Brand Type | Brand Location | Recap |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 50 | x 50 | | | | | 21 | | | | | | |
| 2 | 50 | x 50 | | | | | 22 | | | | | | |
| 3 | 50 | x 50 | | | | | 23 | | | | | | |
| 4 | 50 | 50 | | | | | 24 | | | | | | |
| 5 | 50 | 50 | | | | | 25 | | | | | | |
| 6 | 50 | 47 | | | | | 26 | | | | | | |
| 7 | | | | | | | 27 | | | | | | |
| 8 | SS | | | | | | 28 | | | | | | |
| 9 | | | | | | | 29 | | | | | | |
| 10 | | | | | | | 30 | | | | | | |
| 11 | | | | | | | 31 | | | | | | |
| 12 | | | | | | | 32 | | | | | | |
| 13 | | | | | | | 33 | | | | | | |
| 14 | | | | | | | 34 | | | | | | |
| 15 | | | | | | | 35 | | | | | | |
| 16 | | | | | | | 36 | | | | | | |
| 17 | | | | | | | 37 | | | | | | |
| 18 | | | | | | | 38 | | | | | | |
| 19 | | | | | | | 39 | | | | | | |
| 20 | | | | | | | 40 | | | | | | |

Comments: 2 sets. 1

A = 20 yds Downstrm of culv. 50+ YOY salmonids visible @ trap site, No fish caught in trap. 3 YOY sockeye dip netted.

B = 105' upstream of culv. 3 YOY Sockeye (50, 50, 47)

Not entered

Talked w/ Mrs Dwayne Richardson, Salmon spawn in both these forks. Dolliss in fork along back of property. Consiste[illegible] info from Grandson on 7/31

Site No. 007

**culvert:**

| | | |
|---|---|---|
| Entrance Type | PRO | code |
| Inlet Erosion | N | code |
| Outlet Erosion | N | code |

**substrate:**

| | | |
|---|---|---|
| culvert | Ø | code |
| upstream | S | code |
| downstream | S | code |

| | | |
|---|---|---|
| upstream bank composition | A/RO | code |
| downstream bank composition | A/RO | code |

**culvert:** I #

| | | left in | left out | right in | right out |
|---|---|---|---|---|---|
| Width / diameter | ft | 1.75 | 1.75 | | |
| Height | ft | 1.75 | 1.75 | | |
| H2O Depth | ft | 0.9 | 0.62 | | |
| Substrate Depth | ft | 0 | Ø | | |
| culvert damage | ft | Ø | Ø | | |
| culvert blockage | ft | Ø | Ø | | |
| Corrugation Depth | in | .5 inch | | | |
| Corrugation Width | ft/count | 5 in .9 ft | | | |

**culvert barrel velocity:**

| | length | sec. | sec. | sec. | sec. | sec. | x_sec |
|---|---|---|---|---|---|---|---|
| left | 26' | 11 | 10 | 11 | 11 | | |
| right | | | | | | | |

Minnow Trap/Electrofisher (circle) Observer/s: OS

Fishing Time: 2hrs 45min 8/1 8/2

Minnow Trap 1700 Start: ~~[illegible]~~ ~~[illegible]~~ Stop: ~~[illegible]~~ 1440 Accum: 0

Electrofisher Start: ____ Stop: ____ Accum: ____

Water Temp Time 1: ____ Time 2: ____

$H_2O$ Temp 40°F

CATCH

| | Species | Lgth | Brand (Y/N) | Brand Type | Brand Location | Recap | | Species | Lgth | Brand (Y/N) | Brand Type | Brand Location | Recap |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | 21 | | | | | | |
| 2 | | | | | | | 22 | | | | | | |
| 3 | | | | | | | 23 | | | | | | |
| 4 | | | | | | | 24 | | | | | | |
| 5 | | | | | | | 25 | | | | | | |
| 6 | | | | | | | 26 | | | | | | |
| 7 | | | | | | | 27 | | | | | | |
| 8 | | | | | | | 28 | | | | | | |
| 9 | | | | | | | 29 | | | | | | |
| 10 | | | | | | | 30 | | | | | | |
| 11 | | | | | | | 31 | | | | | | |
| 12 | | | | | | | 32 | | | | | | |
| 13 | | | | | | | 33 | | | | | | |
| 14 | | | | | | | 34 | | | | | | |
| 15 | | | | | | | 35 | | | | | | |
| 16 | | | | | | | 36 | | | | | | |
| 17 | | | | | | | 37 | | | | | | |
| 18 | | | | | | | 38 | | | | | | |
| 19 | | | | | | | 39 | | | | | | |
| 20 | | | | | | | 40 | | | | | | |

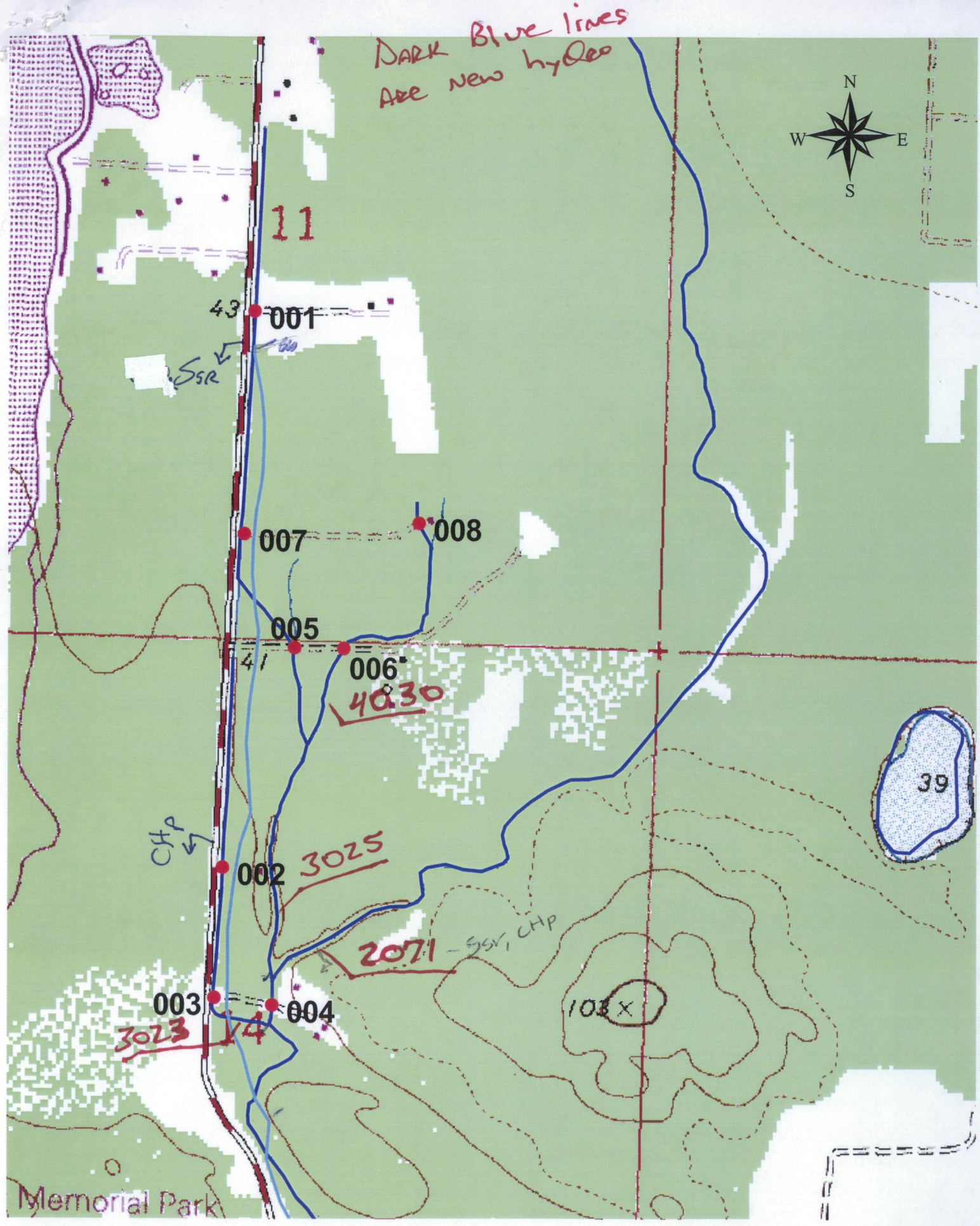
Comments:

Downstrm Trap = 1 sculpin
1 Sockeye 50 mm

Upstream Trap = 1 DV ≈ 3.5 in
≈ 90 mm

♀ Scaup in Downstream pond

Subsequent drive-bys between 8/15/00 and 9/15/00 confirmed presence of spawning sockeye and redds at and upstream of sites 003, 002 and 007. Adult sockeye were also present upstream of site 006. A few Chum salmon were also present upstream of site 002.


DARK Blue lines
ARE New hydro
N
W
E
S
11
43
001
SSR
007
008
005
006
4030
41
39
CHP
002
3025
2071 - SSR, CHP
003
004
3023
14
103
Memorial Park