**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-7

Anadromous Water Catalog Number of Waterway: 247-41-10100-2335

Name of Waterway: unnamed tributary of Little Susitna River ☐ USGS Name ☐ Local Name

☑ Addition ☐ Deletion ☐ Correction ☐ Backup Information

For Office Use

| | | | |
|---|---|---|---|
| Nomination # | 01 249 | [signature] Regional Supervisor | 11/20/01 Date |
| Revision Year: | 2001 | [signature] AWC Project Biologist | 11/2/01 Date |
| Revision to: | Atlas ___ Catalog ___ Both X | [signature] Drafted | 12/7/01 Date |
| Revision Code: | A-1 | | |

OBSERVATION INFORMATION

| Species | Date(s) Observed | Spawning | Rearing | Present | Anadromous |
|---|---|---|---|---|---|
| Dolly Varden | 9/17/01 | | | X | ☐ |
| Coho | 9/17/01 | | X | X | ☒ |
| | | | | | ☐ |
| | | | | | ☐ |
| | | | | | ☐ |

**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:**

Stream surveyed during Susitna River Fish Habitat ID survey which occurred 9/17/01 through 9/21/01.
See the following attached data sheet:
Project Code: SU01
Station No: 004, 5, 7

ONE JUV. coho & ONE ADult coho observed @ 007 most upstream point.

Name of Observer (please print): Doug Hill

Signature: [signature] Date: 10/29/01

Address: ADF&G, H&R Division
333 Raspberry Rd, Anchorage, AK. 99518

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: [signature]

Revision 3/97

Nominated (DV)

| Project Code | Station No. | Visit: |
|---|---|---|
| SU001 | 0054 | |

Survey Date: 9/17/01 Time (mil.): 14:00

Team Leader: Other Observers:

Temp. (C) Air: 17 Water: 7.3 DO (ppm):

pH: 7.84 Cond. (µS/cm): 104.1 Salinity:

Turbidity (NTU): / Secchi (m):

48 hr. Precip./Runoff: N/T

Stream Stage: NORM

JUST UNDER BE

Stream Gradient (%): 3%

Water Color: CLR

| | OHW | Wetted |
|---|---|---|
| Width (m) | 2.1 | 2.1 |
| Thalweg Depth (m) | 0.2 | 0.1 |

Vel. (m/s): 0.5 Qual.

3 SEC/2m x 0.6

Location R/P: Lat. (dec. deg) Long. (dec. deg)

LTRM: Downstrm. Stat: 61.69523 149.36507

Upstream Stat.:

Quad Name: ANC C-7 ITM:

Legal Desc.: Obs. Loc:

Stream #: UNK 247-41-10100-2335(?)

Stream Status: Region:

Name: UNNAMED Elevation (m): ~960ft

Waypnt 5

| Substrate | | m | Riparian Vegetation Left | Veg. Desc. | Right | Veg Desc |
|---|---|---|---|---|---|---|
| Organic (%) | 2 | | | | | |
| Silt/Clay (%) | / | 0 - 5 | | 1C2B | | 1C2B |
| Sand (%) | 75 | 5 -10 | | | | |
| Gravel (%) | / | 10 - 20 | | | | |
| Cobble (%) | 23 | 20 - 30 | | | | |
| Boulder (%) | / | m | | | | |
| Bedrock (%) | / | | | | | |

'96 Rosgen Channel Code:

'92 Tongass Channel Code:

Valley Form: Sinuosity: Floodplain width (m): Valley Slope (%):

Winter Sampling: Ice thickness (m): Water depth (m):

Station Data Comments: FRAME 8 = D/S FRAME 9 = U/S

Wildlife Comments: MOOSE ACTIVITY: TRAILS + DROPPINGS / GROUSE SIGHTED

## Fish data

Species: DV Life Stage: ? Gear: EF

Life History: 1 Species/Life Stage Count: 5 Susp.Spawn.? Age Classes:

# of Traps set: Trap In (D/T): Out: Trap Dur. (h):

EF Time (s): 50 Area (sq.m): Effic. (%): Volt (V): 600 Freq. (Hz): G Wave Form: 10

Habitat: Channel: Macro: Meso: Micro: Hydraulic Control:

Aquat Emerg OH Veg U_Cut Bnk: RootW. ShrbDet BnkClv Clog Slash DebJar Hum D Substr Turbid Depth None Oth

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

| Fork Len. (mm) | 95 | 95 | 95 | 120 | 130 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|

Comments: SAMPLE TIME = 50 SEC

## Fish data

Species: Life Stage: Gear:

Life History: Species/Life Stage Count: Susp.Spawn.? Age Classes:

# of Traps set: Trap In (D/T): Out: Trap Dur. (h):

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

Habitat: Channel: Macro: Meso: Micro: Hydraulic Control:

Aquat Emerg OH Veg U_Cut Bnk: RootW. ShrbDet BnkClv Clog Slash DebJar Hum D Substr Turbid Depth None Oth

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

| Fork Len. (mm) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|

Comments:

Nominated (DV)

| Project Code | Station No. | Visit: |
|---|---|---|
| SU01 | 55 | 1 |

Survey Date: 9/17/01 Time (mil.): 14:52

Team Leader: Other Observers:

Temp. (C) Air: 17 Water: 7.5 DO (ppm):

pH: 7.46 Cond. (µS/cm): 59.4 Salinity:

Turbidity (NTU): / Secchi (m):

48 hr. Precip./Runoff: <1"

Stream Stage: NORM (Just under BF)

Stream Gradient (%): 6% 4

Water Color: CLR

| | OHW | Wetted |
|---|---|---|
| Width (m) | 3.1 | 2.6 |
| Thalweg Depth (m) | 0.31 | 0.21 |

Vel. (m/s): 0.7 Qual.:

Location R/P: Lat. (dec. deg): 61.69434 Long. (dec. deg): 149.3680

LTRM: Downstrm. Stat: Upstream Stat.:

Quad Name: ANC C-7 ITM:

Legal Desc.: Obs. Loc:

Stream #: UNK 247-41-10100-2335(?)

Stream Status: Region:

Name: UNNAMED Elevation (m): ~960ft

| Substrate | | m | Left | Veg. Desc. | Right | Veg Desc |
|---|---|---|---|---|---|---|
| Organic (%) | / | | | | | |
| Silt/Clay (%) | — | 0 - 5 | | 1C2B | | 1C2B |
| Sand (%) | 30 | 5 -10 | | | | |
| Gravel (%) | 5 | 10 - 20 | | | | |
| Cobble (%) | 55 | 20 - 30 | | | | |
| Boulder (%) | 10 | m | | | | |
| Bedrock (%) | / | | | | | |

'96 Rosgen Channel Code: B

'92 Tongass Channel Code:

Valley Form: Sinuosity: Floodplain width (m): Valley Slope (%):

Winter Sampling: Ice thickness (m): Water depth (m):

Station Data Comments: VELOCITY @ 6.8 SEC / 5 METERS SAME Stream as Station [redacted] #647

Wildlife Comments:

## Fish data

Species: DV Life Stage: ? Gear: EF

Life History: Species/Life Stage Count: Susp.Spawn.? Age Classes:

# of Traps set: Trap In (D/T): Out: Trap Dur. (h):

EF Time (s): 50 Area (sq.m): Effic. (%): Volt (V): 600 Freq. (Hz): 6 Wave Form: 10

Habitat Channel: Macro: Meso: Micro: Hydraulic Control:

| Aquat | Emerg | OH Veg | U_Cut | Bnk: | RootW. | ShrbDet | BnkClv | Clog | Slash | DebJam | Hum D | Substr | Turbid | Depth | None | Oth |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | |

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

| Fork Len. (mm) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 72 | 133 | 65 | 88 | 75 | | | | | |

Comments:

## Fish data

Species: Life Stage: Gear:

Life History: Species/Life Stage Count: Susp.Spawn.? Age Classes:

# of Traps set: Trap In (D/T): Out: Trap Dur. (h):

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

Habitat Channel: Macro: Meso: Micro: Hydraulic Control:

| Aquat | Emerg | OH Veg | U_Cut | Bnk: | RootW. | ShrbDet | BnkClv | Clog | Slash | DebJam | Hum D | Substr | Turbid | Depth | None | Oth |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | |

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

| Fork Len. (mm) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |

Comments:

Project Code Station No. Visit:
SU01 | SITE 6

Survey Date 9/17 Time (mil.) 16:10
Team Leader: ~~DBR~~ Other Observers:
DBR | BM | DH

Temp. (C) Air 16 Water 8.8 DO (ppm):
pH: 7.78 Cond. (µS/cm) 61.0 Salinity
Turbidity (NTU): / Secchi (m):

48 hr. Precip./Runoff <1"
Stream Stage BELOW BF
Stream Gradient (%) 2%
Water Color CLR

| | OHW | Wetted |
|---|---|---|
| Width (m) | 3 | 1.7 |
| Thalweg Depth (m) | 0.7 | .32 |

Vel. (m/s) ~~1.3~~ ~~2.6~~ 0.5 Qual. G

Location R/P: Lat. (dec. deg Long. (dec. deg)
LTRM: Downstrm. Stat 61.67977 149.35756
Upstream Stat.
Quad Name: ANC C-7 ITM
Legal Desc.: Obs. Loc:
Stream # UNK. 247-41-10100-2335(?)
Stream Status Region: 2 (SC)
Name STREAM # 5 Elevation (m): ~700 ft
POINT # 2 ON STREAM # 5

**Substrate**

| | |
|---|---|
| Organic (%) | / |
| Silt/Clay (%) | / |
| Sand (%) | 60 |
| Gravel (%) | 40 |
| Cobble (%) | / |
| Boulder (%) | / |
| Bedrock (%) | / |

**Riparian Vegetation**

| m | Left | Veg. Desc. | Right | Veg Desc |
|---|---|---|---|---|
| 0 - 5 | | VEG = ICIA | | ICIA |
| 5 -10 | | U/S = | | FERN/ALDER/ |
| 10 - 20 | | | | GRASS |
| 20 - 30 | | | | |
| m | | | | |

'96 Rosgen Channel Code B
'92 Tongass Channel Code

**Valley Form**
Sinuosity S Floodplain width (m) Valley Slope (%)

**Winter Sampling**
Ice thickness (m) Water depth (m)

Station Data Comments ADULT MALE COHO SPAWNER OBS @ SAMPLE SITE ~~RIGHT # 13~~
Wildlife Comments MOOSE COW & CALF SAME Stream as Station 5+7

## Fish data

Species CO Life Stage J Gear EF
Life History Species/Life Stage Count: 12/J Susp.Spawn.? Age Classes
# of Traps set: Trap In (D/T): Out: Trap Dur. (h):
EF Time (s) 105 Area (sq.m) Effic. (%) Volt (V) 600 Freq. (Hz): G Wave Form 10
Habitat Channel Macro Meso Micro Hydraulic Control
Aquat Emerg OH Veg U_Cut Bnk: RootW. ShrbDet BnkClv Clog Slash DebJar Hum D Substr Turbid Depth None Oth

| | Type | Pop/Mlg | Height (m) | Pool depth (m) | Gradient (%) | Length (m) |
|---|---|---|---|---|---|---|
| Barrier: | | | | | ~~2%~~ | |

Fork Len. (mm) 40 50 45 50 50 60 40 55 76 38
Comments CONTINUED BELOW 12 J + ONE ADULT MALE

## Fish data

Species CO Life Stage Gear
Life History Species/Life Stage Count: Susp.Spawn.? Y Age Classes
# of Traps set: Trap In (D/T): Out: Trap Dur. (h):
EF Time (s) 105 Area (sq.m) Effic. (%) Volt (V) Freq. (Hz): Wave Form
Habitat Channel Macro Meso Micro Hydraulic Control
Aquat Emerg OH Veg U_Cut Bnk: RootW. ShrbDet BnkClv Clog Slash DebJar Hum D Substr Turbid Depth None Oth

| | Type | Pop/Mlg | Height (m) | Pool depth (m) | Gradient (%) | Length (m) |
|---|---|---|---|---|---|---|
| Barrier: | | | | | ~~2%~~ | |

Fork Len. (mm) 47 45
Comments

## Fish data

Species: DV | Life Stage: J | Gear: EF

Life History: | Species/Life Stage Count: 14 | Susp.Spawn.? ☐ | Age Classes:

# of Traps set: | Trap In (D/T): | Out: | Trap Dur. (h):

EF Time (s): 105 | Area (sq.m): | Effic. (%): | Volt (V): | Freq. (Hz): | Wave Form:

Habitat: Channel | Macro | Meso | Micro | Hydraulic Control

| Aquat | Emerg | OH | Veg | U_Cut | Bnk: | RootW. | ShrbDet | BnkClv | Clog | Slash | DebJar | Hum D | Substr | Turbid | Depth | None | Oth |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | |

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

Fork Len. (mm): 120

Comments:

## Fish data

Species: | Life Stage: | Gear:

Life History: | Species/Life Stage Count: | Susp.Spawn.? ☐ | Age Classes:

# of Traps set: | Trap In (D/T): | Out: | Trap Dur. (h):

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

Habitat: Channel | Macro | Meso | Micro | Hydraulic Control

| Aquat | Emerg | OH | Veg | U_Cut | Bnk: | RootW. | ShrbDet | BnkClv | Clog | Slash | DebJar | Hum D | Substr | Turbid | Depth | None | Oth |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | |

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

Fork Len. (mm):

Comments:

## Fish data

Species: | Life Stage: | Gear:

Life History: | Species/Life Stage Count: | Susp.Spawn.? ☐ | Age Classes:

# of Traps set: | Trap In (D/T): | Out: | Trap Dur. (h):

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

Habitat: Channel | Macro | Meso | Micro | Hydraulic Control

| Aquat | Emerg | OH | Veg | U_Cut | Bnk: | RootW. | ShrbDet | BnkClv | Clog | Slash | DebJar | Hum D | Substr | Turbid | Depth | None | Oth |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | |

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

Fork Len. (mm):

Comments:

## Fish data

Species: | Life Stage: | Gear:

Life History: | Species/Life Stage Count: | Susp.Spawn.? ☐ | Age Classes:

# of Traps set: | Trap In (D/T): | Out: | Trap Dur. (h):

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

Habitat: Channel | Macro | Meso | Micro | Hydraulic Control

| Aquat | Emerg | OH | Veg | U_Cut | Bnk: | RootW. | ShrbDet | BnkClv | Clog | Slash | DebJar | Hum D | Substr | Turbid | Depth | None | Oth |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | |

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

Fork Len. (mm):

Comments:

Nominated (Coho Juv, Adult)

| Project Code | Station No. | Visit: |
|---|---|---|
| SU01 | STE #7 | |

Survey Date: 9/17/01 Time (mil.): 17:15

Team Leader: Other Observers:

Temp. (C) Air: Water: 7.8 DO (ppm):

pH: Cond. (µS/cm): 60.8 Salinity:

Turbidity (NTU): / Secchi (m):

48 hr. Precip./Runoff: N/A

Stream Stage: Normal

Stream Gradient (%): 2%

Water Color: CLR

| | OHW | Wetted |
|---|---|---|
| Width (m) | 3.1 | 2.5 |
| Thalweg Depth (m) | .26 | .17 |

Vel. (m/s): ~~0.8~~ 0.6 Qual.: G

Location R/P: Lat. (dec. deg): Long. (dec. deg):

LTRM: Downstrm. Stat: 61.63918 149.36487

Upstream Stat.: ~~149~~

Quad Name: ANC C-7 ITM:

Legal Desc.: Obs. Loc:

Stream #: UNK 247-41-10100-2335(?)

Stream Status: Region:

Name: STREAM #5 Elevation (m): 840H

SAMPLE POINT 3

| Substrate | | m | Left | Veg. Desc. | Right | Veg Desc |
|---|---|---|---|---|---|---|
| Organic (%) | — | | | | | |
| Silt/Clay (%) | — | 0 - 5 | | LC2C | | LC2C |
| Sand (%) | 45 | 5 -10 | | | | |
| Gravel (%) | 20 | 10 - 20 | | | | |
| Cobble (%) | 35 | 20 - 30 | | | | |
| Boulder (%) | — | m | | | | |
| Bedrock (%) | — | | | | | |

Riparian Vegetation

'96 Rosgen Channel Code: B

'92 Tongass Channel Code:

Valley Form

Sinuosity: C Floodplain width (m): Valley Slope (%):

Winter Sampling

Ice thickness (m): Water depth (m):

Station Data Comments:

Wildlife Comments: MOOSE ACTIVITY ADULT COHO OBS. @ SITE/SAME Stream as Station #5+6

## Fish data

Species: DV Life Stage: ? Gear: EF

Life History: Species/Life Stage Count: Susp.Spawn.? Age Classes:

# of Traps set: Trap In (D/T): Out: Trap Dur. (h):

EF Time (s): 60 Area (sq.m): Effic. (%): Volt (V): Freq. (Hz): Wave Form:

Habitat Channel: Macro: Meso: Micro: Hydraulic Control:

| Aquat | Emerg | OH Veg | U_Cut | Bnk: | RootW. | ShrbDet | BnkClv | Clog | Slash | DebJar | Hum D | Substr | Turbid | Depth | None | Oth |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | |

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

| Fork Len. (mm) | 90 | 100 | 35 | 50 | 55 | 45 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|

Comments:

## Fish data

Species: CO Life Stage: Juv Gear:

Life History: Species/Life Stage Count: Susp.Spawn.? Age Classes:

# of Traps set: Trap In (D/T): Out: Trap Dur. (h):

EF Time (s): 60 Area (sq.m): Effic. (%): Volt (V): Freq. (Hz): Wave Form:

Habitat Channel: Macro: Meso: Micro: Hydraulic Control:

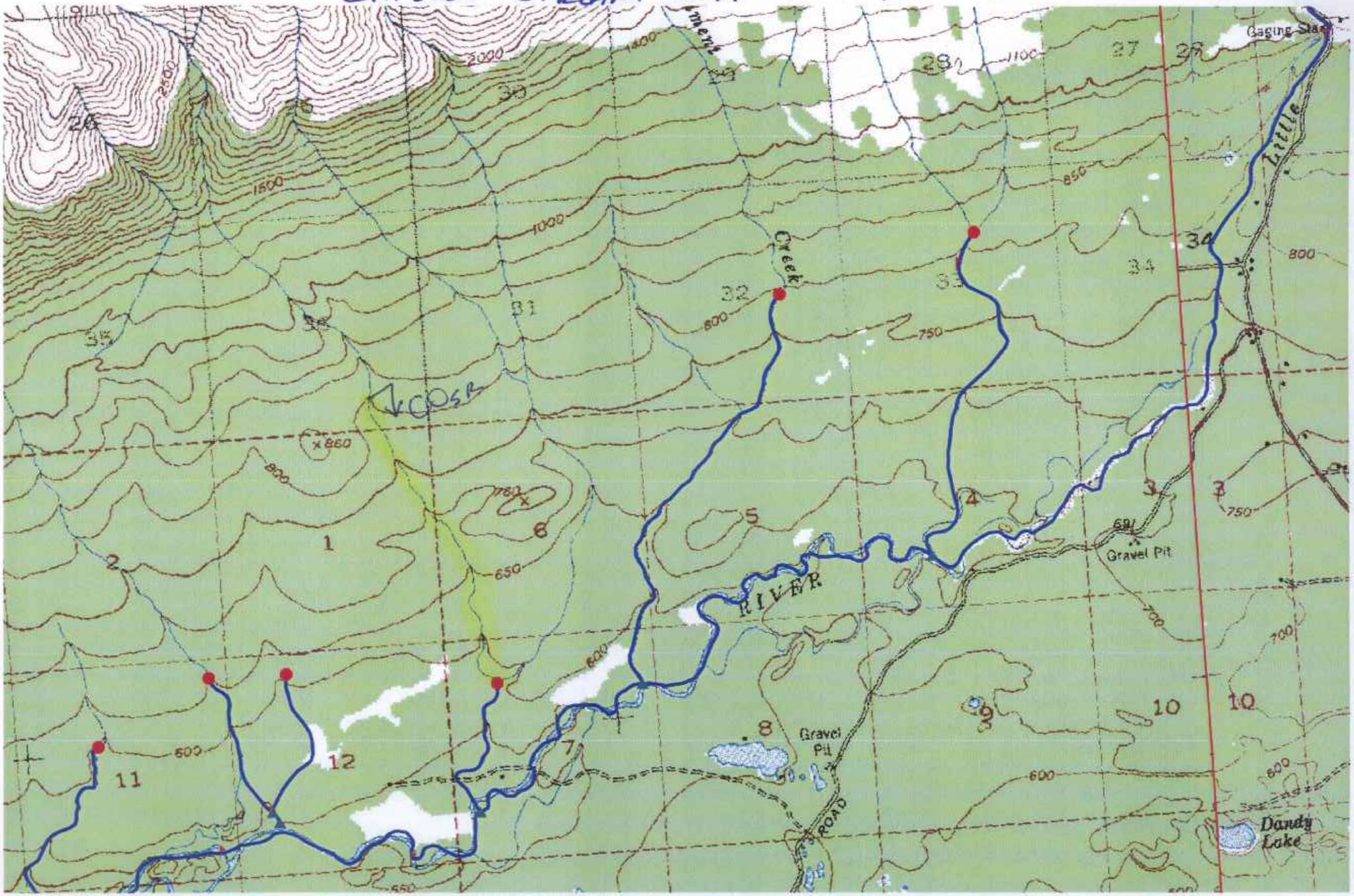
| Aquat | Emerg | OH Veg | U_Cut | Bnk: | RootW. | ShrbDet | BnkClv | Clog | Slash | DebJar | Hum D | Substr | Turbid | Depth | None | Oth |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | |

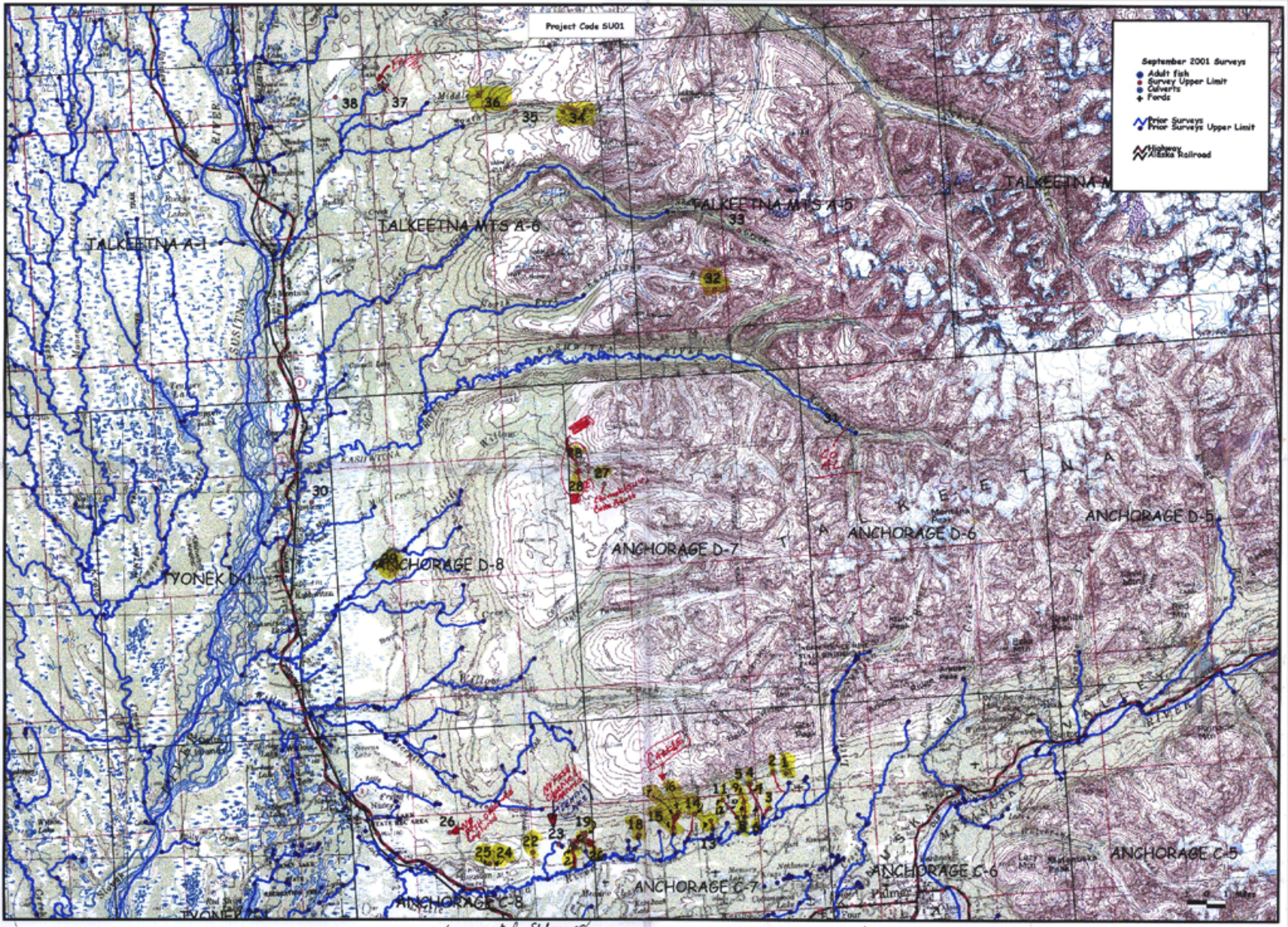
| Barrier: | Type | Pop/Mlg | Height (m) | Pool depth (m) | Gradient (%) | Length (m) |
|---|---|---|---|---|---|---|
| | | | | | | |

| Fork Len. (mm) | 55 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|

Comments: 1 ADULT

Extend stream 247-41-10100-2335 w/ CDSR






two waypoints for Station 28

Stations 11 & 12 are on top of eo. other.
24 & 25 "

10/24/01