**State of Alaska**
**Department of Fish and Game**
**Division of Sport Fish**

**Nomination Form**
**Anadromous Waters Catalog**

map 1 of 3

Region: Region II SCN

USGS Quad(s): Seward D-5

Anadromous Waters Catalog Number of Waterway: 247-60-10230-2028-~~3016~~-3016-4018

Name of Waterway: Upper Carmen River

☒ USGS Name ☐ Local Name

☒ Addition ☐ Deletion ☐ Correction ☐ Backup Information

For Office Use

| | | | |
|---|---|---|---|
| Nomination # | 08-193 | | |
| Revision Year: | 2009 | Fisheries Scientist | 10/6/08 Date |
| Revision to: Atlas ____ Catalog ____ Both ✓ | | Habitat Operations Manager | 10/6/08 Date |
| | | AWC Project Biologist | 7/22/08 Date |
| Revision Code: | A-1, B-2 | Cartographer | 11/1/08 Date |

OBSERVATION INFORMATION

| Species | Date(s) Observed | Spawning | Rearing | Present | Anadromous |
|---|---|---|---|---|---|
| Coho | Sept-Oct-No | 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:**

I fly this stream to count spawning coho every fall.
upper pt - 4017 - 148.697 W 60.887 N
upper pt - 4018 - 148.716 W 60.867 N
add new stream 247-60-10230-2028-3016-4017 w/coho salmon spawning
add coho salmon spawning to - 4018

Name of Observer (please print): Daniel Bosch

Signature: Daniel E. Bosch

Date: 7/22/08

Agency: ADF+G

Address: 333 Raspberry Rd.
Anch, 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 Anadromous Waters Catalog.

Signature of Area Biologist: Daniel E. Bosch Date: 7/22/08

Name of Area Biologist (please print):

Revision 05/08

## 2006 Turnagain Arm Coho Salmon escapement surveys

24-Oct-06

| Twentymile River Drainage | Coho | Commments |
|---|---|---|
| Ahjo Creek | 10 | mostly dead, obviously too late |
| NE Fork | 141 | |
| Mainstem[f] | 212 | Very low, missed the main run timing here too. |
| Beaver Pond | 42 | |
| Glacier River | 0 | very low, saw no fish |
| Upper Carmen River | NA | This area was socked in by snow |
| South Fork Carmen River | 532 | quite a few fish and very rough, snowing |
| Total | 937 | This estimate is way low |

Many eagles present, and these are an indicator of coho

| Portage Creek Drainage | | Commments |
|---|---|---|
| Mainstem | 25 | |
| Upper Railroad Slough | 280 | This includes upper and lower RR |
| Lower Railroad Slough | | |
| Placer Creek | NA | Too windy and low vis |
| Total | 305 | |

| Placer River Drainage | | Commments |
|---|---|---|
| Sloughs and Mainstem | 1,850 | |
| Skookum Creek | 1,620 | very shallow, very clear and many fish - almost all above the RR tracks |
| Total | 3,470 | |

| | |
|---|---|
| Gauge = | 16.31 ft |
| temp = | 30° f |
| Weather & Visibility Note: | Weather deterioated fast. It was windy and snowing |

# 2005 Turnagain Arm Coho Salmon escapement surveys

25-Oct-05

| Twentymile River Drainage | Coho | Commments |
|---|---|---|
| Ahjo Creek | 6 | Excellent condition, may have been too late |
| NE Fork | 168 | More fish here, than in mainstem valley |
| Mainstem[f] | 121 | not a great many fish up here this year, shallow |
| Beaver Pond | | very shallow in this area, very difficult for fish to move into this area |
| Glacier River | 49 | all found in clear side channels |
| Upper Carmen River | 2 | Very shallow, I do not believe they could have gotten up here |
| South Fork Carmen River | 149 | This is were all the coho are above Carmen |
| Total | 495 | |

Many eagles present, and these are an indicator of coho

| Portage Creek Drainage | | Commments |
|---|---|---|
| Mainstem | 10 | Mainstem is cloudy, as usual, the fish were on side channels |
| Upper Railroad Slough | 80 | All in, or near the ponds at the upper end of RR slough |
| Lower Railroad Slough | 10 | Not much in this area |
| Placer Creek | 48 | Pockets of coho in a slough right up against the mountain on the left (looking up |
| Total | 148 | |

| Placer River Drainage | | Commments |
|---|---|---|
| Sloughs and Mainstem | 1,758 | Spencer Lake stream had more coho than I have seen before. It was pretty clea |
| Skookum Creek | 720 | Very low, many fish trappeed. |
| Total | 2,478 | |

| | |
|---|---|
| Gauge = | 16.90 ft |
| temp = | 36° f |
| Weather & Visibility Note: | Conditions excellent during the entire survey, water shallow & clear, no glare |

## 2004 Turnagain Arm Coho Salmon escapement surveys

| Twentymile River Drainage | | | Commments |
|---|---|---|---|
| Ahjo Creek | 34 | | |
| NE Fork | | | |
| Mainstem[f] | 5,070 | | This total is from the Mainstem, beaver pond, and glaciear area. |
| Beaver Pond | | | |
| Glacier River | | | Combined with Mainsteam |
| Upper Carmen River | 754 | | Most on South Fork above lake, fewer fish in Upper Carmen |
| South Fork Carmen River | | | |
| Total | 5,858 | 0 | |

| Portage Creek Drainage | | Commments |
|---|---|---|
| Mainstem | | All fish seen in side sloughs and in beaver ponds. |
| Upper Railroad Slough | 453 | between both Upper & Lower Railroad Slough |
| Lower Railroad Slough | | |
| Placer Creek | 159 | |
| Total | 612 | |

| Placer River Drainage | | Commments |
|---|---|---|
| Sloughs and Mainstem | 3,620 | |
| Skookum Creek | 2,170 | |
| Total | 5,790 | |

## 2003 Turnagain Arm Coho Salmon escapement surveys

**Twentymile River Drainage**

| | | | Commments |
|---|---|---|---|
| Ahjo Creek | 12 | | A majority of the fish seen were seen in the Northeast fork |
| NE Fork | 238 | | This system is very dynamic and fish location changes from year to year |
| Mainstem[f] | | | Water levels were as low as I have ever seen them |
| Beaver Pond | | | Visibilty was generally excellent |
| Glacier River | 12 | | |
| Upper Carmen River | 20 | | |
| South Fork Carmen River | 0 | | |
| Total | 282 | 0 | |

**Portage Creek Drainage**

| | | | |
|---|---|---|---|
| Mainstem | 0 | | Did Not see any in Mainstem, too muddy, water was very low |
| Upper Railroad Slough | 0 | | |
| Lower Railroad Slough | 10 | | |
| Placer Creek | 16 | | Expoloer Creek 50 |
| Total | 26 | | |

**Placer River Drainage**

| | | |
|---|---|---|
| Sloughs and Mainstem | 492 | None seen in Spencer Glacier like last year. Most fish seen well above Skookum Creek |
| Skookum Creek | 200 | Shallow with good visibilty, ran out of water about 1/4 from mile from Glacier |
| Total | 692 | |

Notes: While the water level was very low this week; last week it was extreemely high.
It rained so hard in this area last week that water levels in Twentymile River rose 5 feet over night
I do not know how this affected the fish.

2002 Turnagain Arm Coho Salmon escapement surveys

**SEE COMMENTS AND NOTES: Call me before using this data! 267-2153**

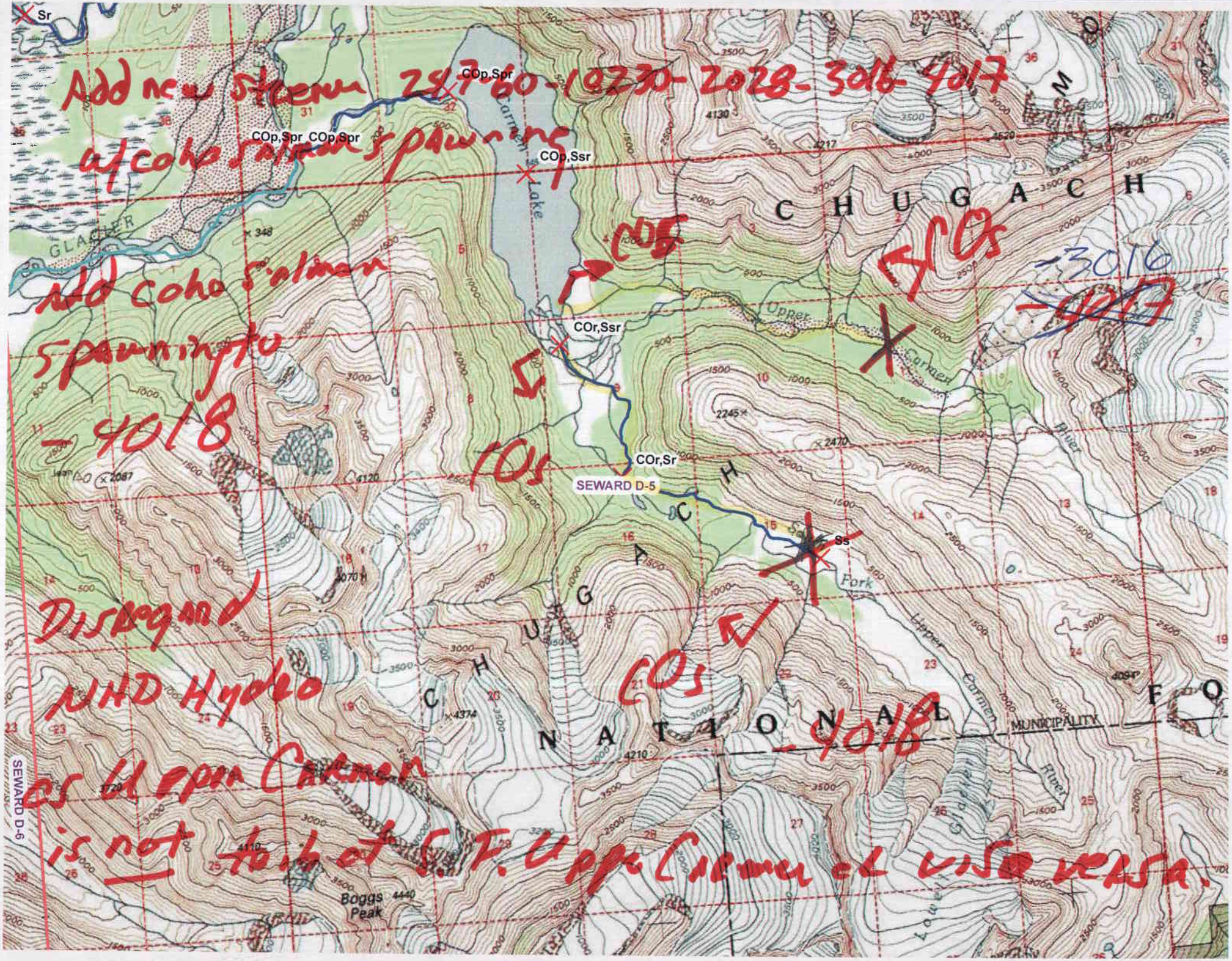
| **Twentymile River Drainage** | 10/16/2002 | 11/1/2002 | Commments |
|---|---|---|---|
| Ahjo Creek | Ground fog | 6 | |
| NE Fork | Ground fog | 110 | |
| Mainstem[f] | Ground fog | 77 | |
| Beaver Pond | Ground fog | | |
| Glacier River | Ground fog | 208 | Sloughs off the Glacier, the only p |
| Upper Carmen River | Ground fog | 25 | |
| South Fork Carmen River | Ground fog | 50 | |
| Total | | 476 | |

| **Portage Creek Drainage** | | | |
|---|---|---|---|
| Mainstem | | | |
| Upper Railroad Slough | | | |
| Lower Railroad Slough | 150 | | Both sloughs combined, sunny wi |
| Placer Creek | 107 | | Bear Valley |
| Total | 257 | | |

| **Placer River Drainage** | | | |
|---|---|---|---|
| | | | good conditions, fish concentrated |
| Sloughs and Mainstem | 2283 | | 40 fish in small clearwater stream |
| Skookum Creek | 415 | 1820 | Sunny and shadows on the 16-Oct |
| Total | 2698 | 4103 | |

Turnagain Arm aerial coho salmon escapement survey 10-16-02
Sunny with a few clouds and patches of ground fog.
Sunny conditions created shadows in some creeks making for difficult counting conditions.
Skookum Creek and Railroad Slough effected by this the most

Twentymile aerial surveys for November 1, 2002
Tried to fly these surveys since I was fogged out on 16-Oct.
High winds and heavy rains kept planes on the ground until this day
It appears that high water conditions (Twentymile reached more than 25 ft) washed most of the c
Earlier reports from the Forest Service determined that there were hunderds of coho in the uppe
**Because the Twentymile looks like such an aberation compared to other streams in Turn**
On the day I flew the survey the water level was 18.5, or about 7 feet lower than the peak.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SEWARD D-5
Ss
CHUGACH
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Upper Carmen River
Carmen Lake
Boggs Peak
MUNICIPALITY
SEWARD D-6
Add new stream 247-60-10230-2028-3016-4017
w/coho salmon spawning
Add coho salmon
spawning to
-4018
COs
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Disregard
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as Upper Carmen
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