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

Nomination Form
Anadromous Waters Catalog

M

Region: Interior

USGS Quad(s): Fairbanks ~~B-2~~, C-2, C-1

AWC Number of Water Body: 334-40-11000-2490-3290-4030

Name of Water body: Bear Creek

☐ USGS Name ☒ Local Name

☒ Addition ☐ Deletion ☐ Correction ☐ Backup Information

For Office Use

Nomination #	140753	James J Hasbrouck	10/27/2014
		Fisheries Scientist	Date
Revision Year:	2015	[signature]	10/27/14
Revision to: Atlas ___ Catalog ___		Habitat Operations Manager	Date
Both	X	[signature]	10/14/14
		AWC Project Biologist	Date
Revision Code:	B-6, B-1, A-1, B-2	[signature]	10/28/14
		GIS Analyst	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Coho Salmon	August 18, 2013		2		☒
Chum Salmon	August 18, 2013	4		1	☒
Coho Salmon	September 18-19, 2013		8		☒
					☐
					☐

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

Anadromous fish were observed as part of project, "Documenting anadromous headwaters in the Tanana Flats of interior Alaska, in response to proposed road development," by Brinkman et al. 2014. Baited minnow traps, dip-netting, direct observation, and aerial surveys were the primary techniques used to survey the following creeks: Clear, Dry, Bear, Willow, St. George Creek, Five-mile Clear, Gold King and Fish Creek as well as Blair Lakes. From 2013-2014, we used repeat surveys across two sampling occasions and found new sites along Clear and Bear Creeks.
Please see attached for specific information on this new Bear Creek site.

Name of Observer (please print): Aleya Brinkman + Patricia McCall
Signature: Aleya R. Brinkman + Patricia McCall Date: 9/24/14
Agency: US Army + Colorado State University
Address: DPW - Environmental Division
3023 Engineer Place, Ft. Wainwright, AK, 99703

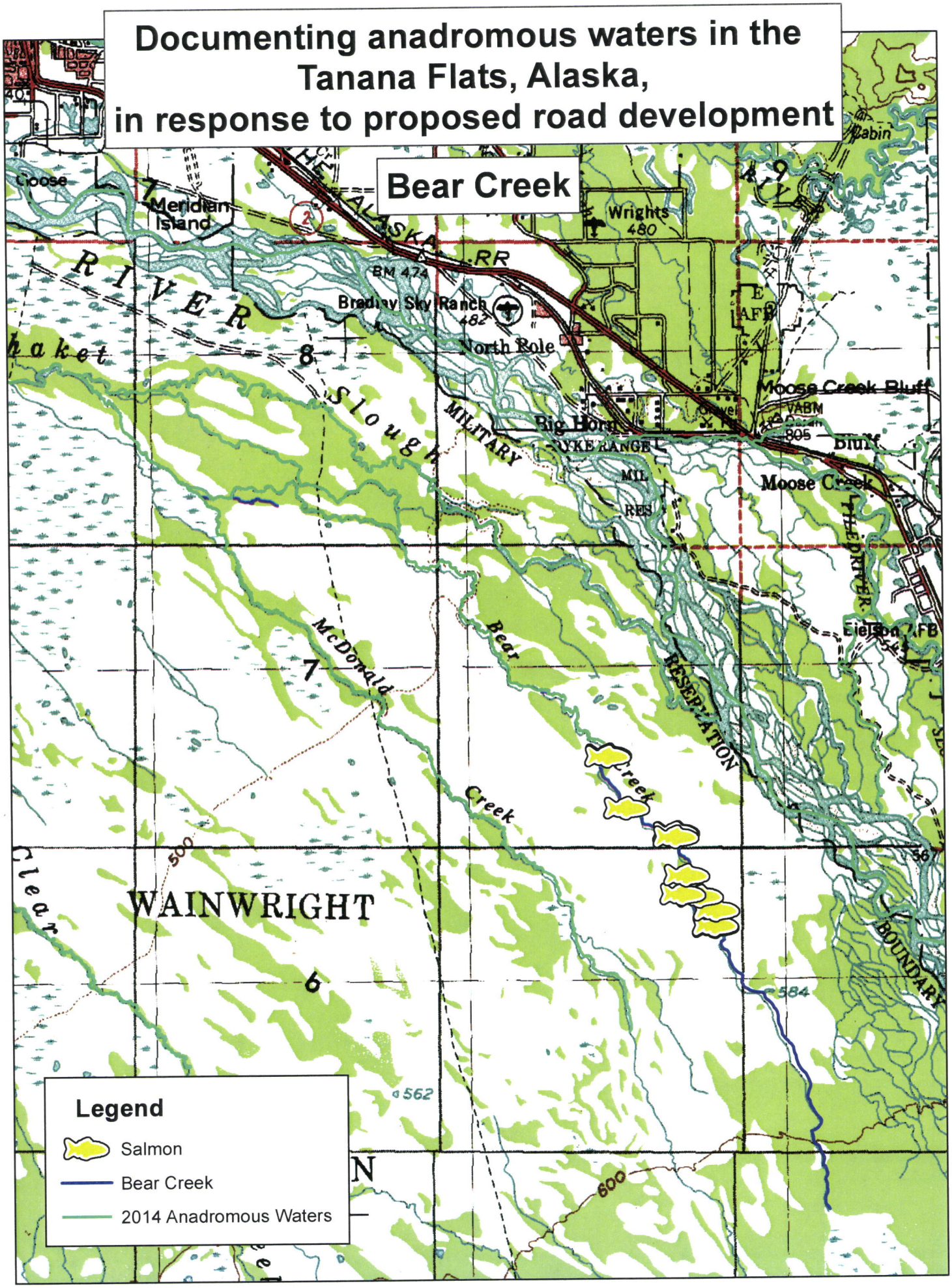
ALASKA DEPT. OF FISH & GAME
SEP 30 2014

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.

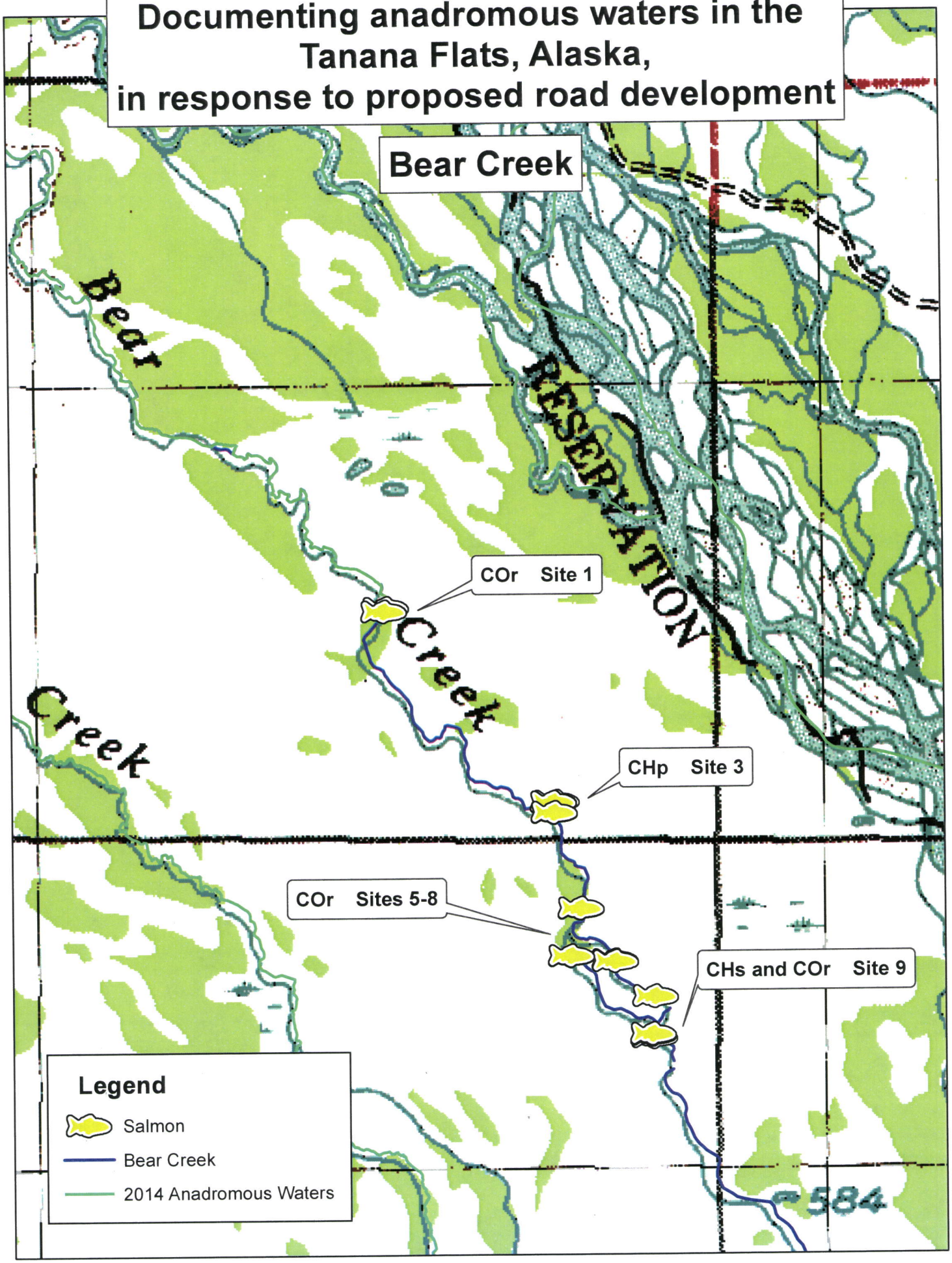
Signature of Area Biologist: [signature] Date: 9/24/14 Revision 11/13
Name of Area Biologist (please print):

Extend Coho salmon present in 334-40-11000-2490-3290-
Extend 2490-3290-4030 w/ Chum salmon spawning / present
Coho salmon present / rearing

Documenting anadromous waters in the Tanana Flats, Alaska, in response to proposed road development



Documenting anadromous waters in the Tanana Flats, Alaska, in response to proposed road development



Bear Creek
Chum Salmon 1
August 18, 2013
Latitude: 64.60759
Longitude: -147.28304
Site 3

Bear Creek
Chum Salmon 2
August 18, 2013
Latitude: 64.58105
Longitude: -147.25668
Site 9

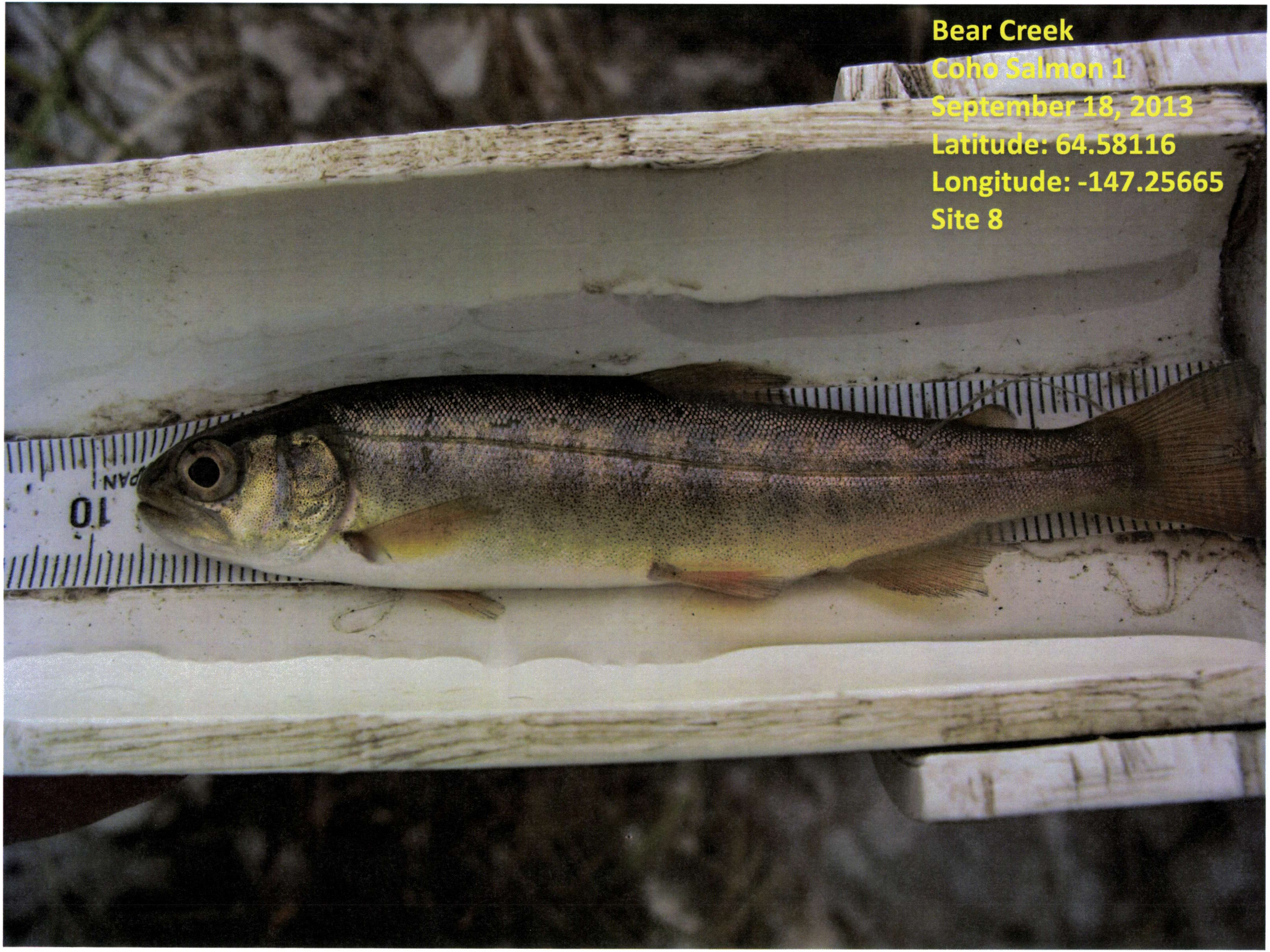
Bear Creek
Coho Salmon 1
August 19, 2013
Latitude: 64.58962
Longitude: -147.26683
Site 6

Bear Creek
Coho Salmon 2
August 19, 2013
Latitude: 64.58077
Longitude: -147.25639
Site 8

Bear Creek
Coho Salmon 6
September 18, 2013
Latitude: 64.62947
Longitude: -147.32790
Site 1

Bear Creek
Coho Salmon 7
September 18, 2013
Latitude: 64.62947
Longitude: -147.32790
Site 1

Bear Creek
Coho Salmon 5
September 18, 2013
Latitude: 64.58945
Longitude: -147.26671
Site 6


Bear Creek
Coho Salmon 1
September 18, 2013
Latitude: 64.58116
Longitude: -147.25665
Site 8
10

Bear Creek
Coho Salmon 2
September 18, 2013
Latitude: 64.58116
Longitude: -147.25665
Site 8

Bear Creek
Coho Salmon 3
September 18, 2013
Latitude: 64.58116
Longitude: -147.25665
Site 8

Bear Creek
Coho Salmon 2
September 19, 2013
Latitude: 64.58548
Longitude: -147.25604
Site 7
60
70
80
90

Bear Creek
Coho Salmon 1
September 19, 2013
Latitude: 64.59006
Longitude: -147.27383
Site 5

Table 1. Fish totals from 2013 sampling efforts at Bear Creek, Tanana Flats, Alaska 2013-2014.

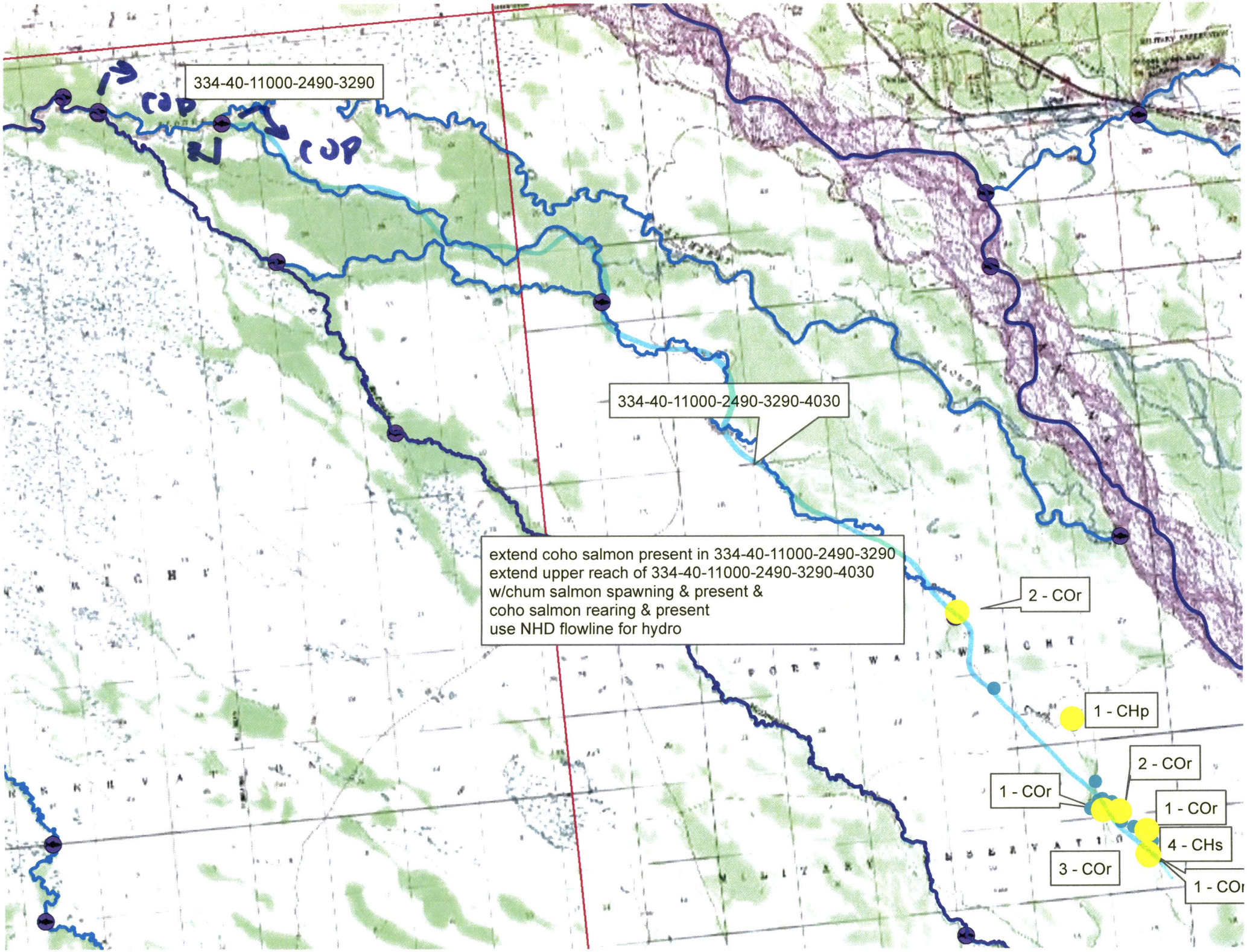
Location	Site	Gear Type	Date	Easting	Northing	Latitude	Longitude	Fish	KS	CO	CH	SLS	AG	RW	LNS	AL	NOPI	LKC	AB
BC	1	Minnow Trap	6/26/2013	484324	7167201	64.62947	-147.32790	1	0	0	0	1	0	0	0	0	0	0	0
BC	1	Minnow Trap	6/26/2013	484324	7167199	64.62947	-147.32790	1	0	0	0	1	0	0	0	0	0	0	0
BC	2	Minnow Trap	6/26/2013	484906	7165548	64.61466	-147.31555	1	0	0	0	1	0	0	0	0	0	0	0
BC	3	Minnow Trap	6/26/2013	486468	7164621	64.60641	-147.28281	0	0	0	0	0	0	0	0	0	0	0	0
BC	4	Minnow Trap	6/26/2013	486796	7163402	64.59548	-147.27583	0	0	0	0	0	0	0	0	0	0	0	0
BC	5	Minnow Trap	6/26/2013	486672	7162798	64.59006	-147.27383	0	0	0	0	0	0	0	0	0	0	0	0
BC	6	Minnow Trap	6/26/2013	487230	7162728	64.58945	-147.26671	1	0	0	0	1	0	0	0	0	0	0	0
BC	7	Minnow Trap	6/26/2013	487739	7162283	64.58548	-147.25604	0	0	0	0	0	0	0	0	0	0	0	0
BC	8	Minnow Trap	6/26/2013	487708	7161802	64.58116	-147.25665	0	0	0	0	0	0	0	0	0	0	0	0
BC	1	Minnow Trap	8/18/2013	484351	7167244	64.62986	-147.32733	0	0	0	0	0	0	0	0	0	0	0	0
BC	2	Minnow Trap	8/18/2013	484908	7165546	64.61465	-147.31549	0	0	0	0	0	0	0	0	0	0	0	0
BC	4	Minnow Trap	8/18/2013	486491	7164765	64.6077	-147.28233	0	0	0	0	0	0	0	0	0	0	0	0
BC	6	Minnow Trap	8/18/2013	487224	7162746	64.58962	-147.26683	1	0	1	0	0	0	0	0	0	0	0	0
BC	8	Minnow Trap	8/18/2013	487720	7161758	64.58077	-147.25639	1	0	1	0	0	0	0	0	0	0	0	0
BC	3	Aerial Survey	8/18/2013	486457	7164753	64.60759	-147.28304	1	0	0	1	0	0	0	0	0	0	0	0
BC	9	Aerial Survey	8/18/2013	487707	7161790	64.58105	-147.25668	4	0	0	4	0	0	0	0	0	0	0	0
BC	1	Minnow Trap	9/18/2013	484324	7167200	64.62947	-147.3279	2	0	2	0	0	0	0	0	0	0	0	0
BC	2	Minnow Trap	9/18/2013	484906	7165547	64.61466	-147.31555	0	0	0	0	0	0	0	0	0	0	0	0
BC	3	Minnow Trap	9/18/2013	486468	7164620	64.60641	-147.28281	0	0	0	0	0	0	0	0	0	0	0	0
BC	4	Minnow Trap	9/18/2013	486796	7163401	64.59548	-147.27583	0	0	0	0	0	0	0	0	0	0	0	0
BC	5	Minnow Trap	9/18/2013	486672	7162797	64.59006	-147.27383	0	0	0	0	0	0	0	0	0	0	0	0
BC	6	Minnow Trap	9/18/2013	487230	7162727	64.58945	-147.26671	1	0	1	0	0	0	0	0	0	0	0	0
BC	7	Minnow Trap	9/18/2013	487739	7162282	64.58548	-147.25604	0	0	0	0	0	0	0	0	0	0	0	0
BC	8	Minnow Trap	9/18/2013	487708	7161801	64.58116	-147.25665	4	0	3	0	0	0	0	0	0	0	0	1
BC	8	Minnow Trap	9/19/2013	487708	7161802	64.58116	-147.25665	0	0	0	0	0	0	0	0	0	0	0	0
BC	7	Minnow Trap	9/19/2013	487739	7162283	64.58548	-147.25604	1	0	1	0	0	0	0	0	0	0	0	0
BC	6	Minnow Trap	9/19/2013	487230	7162728	64.58945	-147.26671	0	0	0	0	0	0	0	0	0	0	0	0
BC	5	Minnow Trap	9/19/2013	486672	7162798	64.59006	-147.27383	1	0	1	0	0	0	0	0	0	0	0	0
BC	4	Minnow Trap	9/19/2013	486796	7163402	64.59548	-147.27583	0	0	0	0	0	0	0	0	0	0	0	0
BC	3	Minnow Trap	9/19/2013	486468	7164621	64.60641	-147.28281	0	0	0	0	0	0	0	0	0	0	0	0
BC	2	Minnow Trap	9/19/2013	484906	7165548	64.61466	-147.31555	0	0	0	0	0	0	0	0	0	0	0	0
BC	1	Minnow Trap	9/19/2013	484324	7167199	64.62947	-147.32790	1	0	0	0	1	0	0	0	0	0	0	0
Total								**21**	**0**	**10**	**5**	**5**	**0**	**0**	**0**	**0**	**0**	**0**	**1**

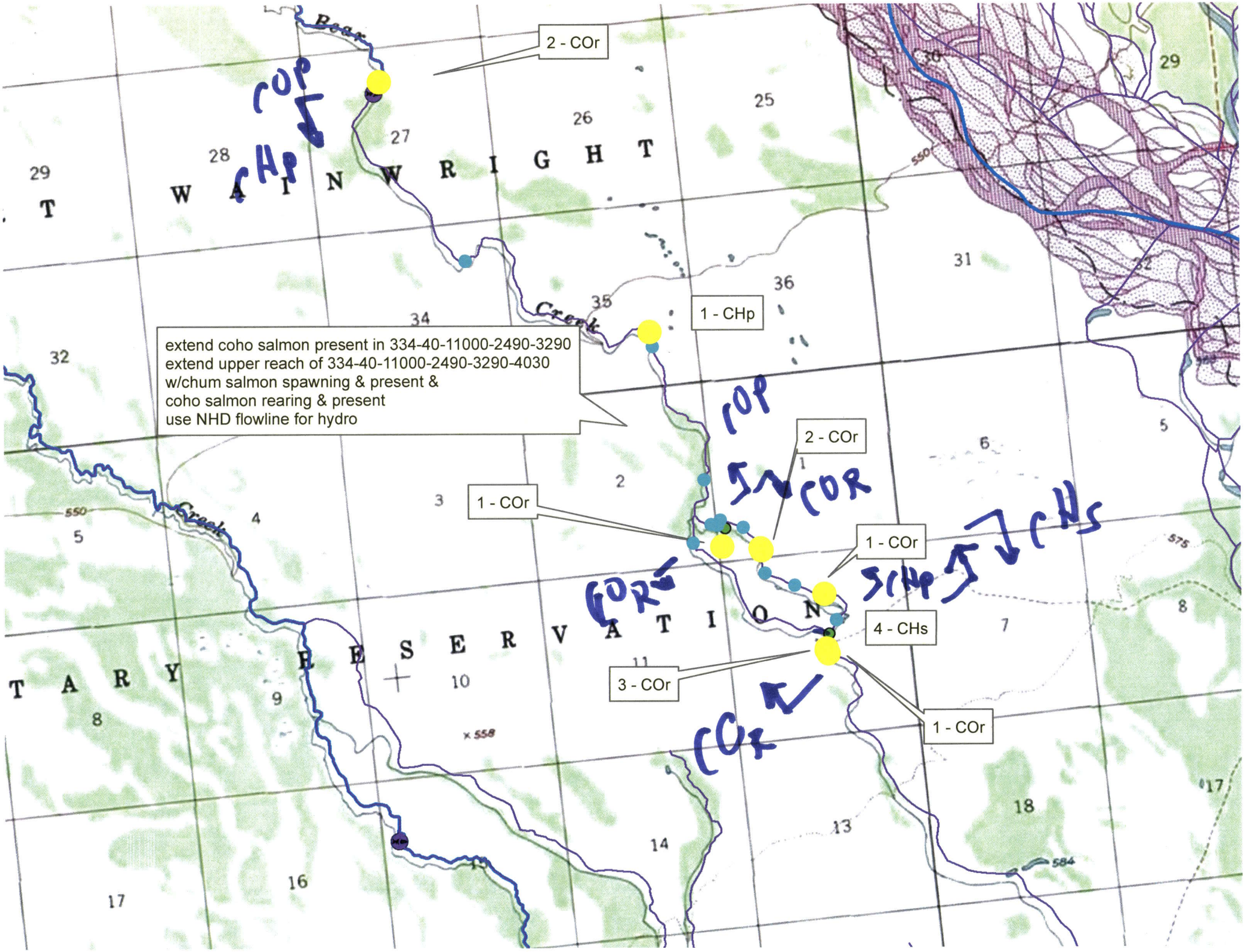
Notes: All chum salmon were adult life phase fish observed on aerial surveys. All coho salmon captured in minnow traps were juvenile life phase fish. Slimy sculpin and Alaska blackfish were adult life phase fish.

Table 2. Fish totals from 2014 sampling efforts at Bear Creek, Tanana Flats, Alaska 2013-2014.

Location	Site	Gear Type	Date	Easting	Northing	Latitude	Longitude	FISH	KS	CO	CH	SLS	AG	RW	LNS	AL	NOPI	LKC	AB
BC	**10**	**Minnow Trap**	**6/24/2014**	**487717**	**7161749**	**64.58076**	**-147.25639**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
BC	10	Minnow Trap	6/24/2014	487825	7162053	64.58334	-147.25429	1	0	0	0	1	0	0	0	0	0	0	0
BC	**10**	**Minnow Trap**	**6/23/2014**	**487751**	**7162285**	**64.58548**	**-147.25578**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
BC	10	Minnow Trap	6/24/2014	487488	7162387	64.58640	-147.26129	1	0	0	0	1	0	0	0	0	0	0	0
BC	**10**	**Minnow Trap**	**6/24/2014**	**487237**	**7162525**	**64.58762**	**-147.26648**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
BC	10	Minnow Trap	6/24/2014	487205	7162754	64.58958	-147.26682	0	0	0	0	0	0	0	0	0	0	0	0
BC	**10**	**Minnow Trap**	**6/24/2014**	**487073**	**7162956**	**64.5914**	**-147.26962**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
BC	10	Minnow Trap	6/24/2014	486899	7163031	64.59216	-147.27364	1	0	0	0	1	0	0	0	0	0	0	0
BC	**10**	**Minnow Trap**	**6/24/2014**	**486868**	**7162985**	**64.59174**	**-147.27429**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
BC	10	Minnow Trap	6/24/2014	486812	7163001	64.59188	-147.27545	0	0	0	0	0	0	0	0	0	0	0	0
BC	**9**	**Minnow Trap**	**7/21/2014**	**487708**	**7161810**	**64.58123**	**-147.25665**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
BC	6	Minnow Trap	7/21/2014	486638	7162855	64.59057	-147.27910	0	0	0	0	0	0	0	0	0	0	0	0
Total								**3**	**0**	**0**	**0**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Notes: All slimy salmon captured in minnow traps were adult life phase fish. Site 10 in this table is in a cumulative form for mapping purposes only; each row in this table represents an individual site.


334-40-11000-2490-3290
COP
COP
334-40-11000-2490-3290-4030
extend coho salmon present in 334-40-11000-2490-3290
extend upper reach of 334-40-11000-2490-3290-4030
w/chum salmon spawning & present &
coho salmon rearing & present
use NHD flowline for hydro
2 - COr
1 - CHp
2 - COr
1 - COr
1 - COr
4 - CHs
3 - COr
1 - COr



2 - COr
1 - CHp
extend coho salmon present in 334-40-11000-2490-3290
extend upper reach of 334-40-11000-2490-3290-4030
w/chum salmon spawning & present &
coho salmon rearing & present
use NHD flowline for hydro
2 - COr
1 - COr
1 - COr
4 - CHs
3 - COr
1 - COr
COP
CHp
COP
COR
CHs
CHp
COR
COR
Bear
Creek
Creek
WAINWRIGHT
TARY RESERVATION