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

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

ME

Region: Interior

USGS Quad(s): Fairbanks ~~B-2~~ C-4

AWC Number of Water Body: 334-40-11000-2490 - 3240

Name of Water body: Wood River

☐ USGS Name ☒ Local Name

☒ Addition ☐ Deletion ☐ Correction ☐ Backup Information

For Office Use

| | | | |
|---|---|---|---|
| Nomination # | 140499 | James J Hasbrouck, Fisheries Scientist | 10/27/2014 Date |
| Revision Year: | 2015 | Habitat Operations Manager | 10/27/14 Date |
| Revision to: Atlas ____ Catalog ____ Both X | | AWC Project Biologist | 10/14/14 Date |
| Revision Code: | A-2 | GIS Analyst | 10/29/14 Date |

OBSERVATION INFORMATION

| Species | Date(s) Observed | Spawning | Rearing | Present | Anadromous |
|---|---|---|---|---|---|
| Chinook Salmon | August 13-14, 2014 | | 6 | | ☒ |
| | | | | | ☐ |
| | | | | | ☐ |
| | | | | | ☐ |
| | | | | | ☐ |

**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** add new stream w/ Chinook salmon rearing

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 and Wood River. From 2013-2014, we used repeat surveys across two sampling occasions and found new sites along Clear and Bear Creeks as well as Wood River.

Since 2013, the mouth of the Wood River has shifted northward. Our sampling sites are several kilometers upstream from the 2014 mouth. Please see attached for specific information on this new Wood River salmon 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

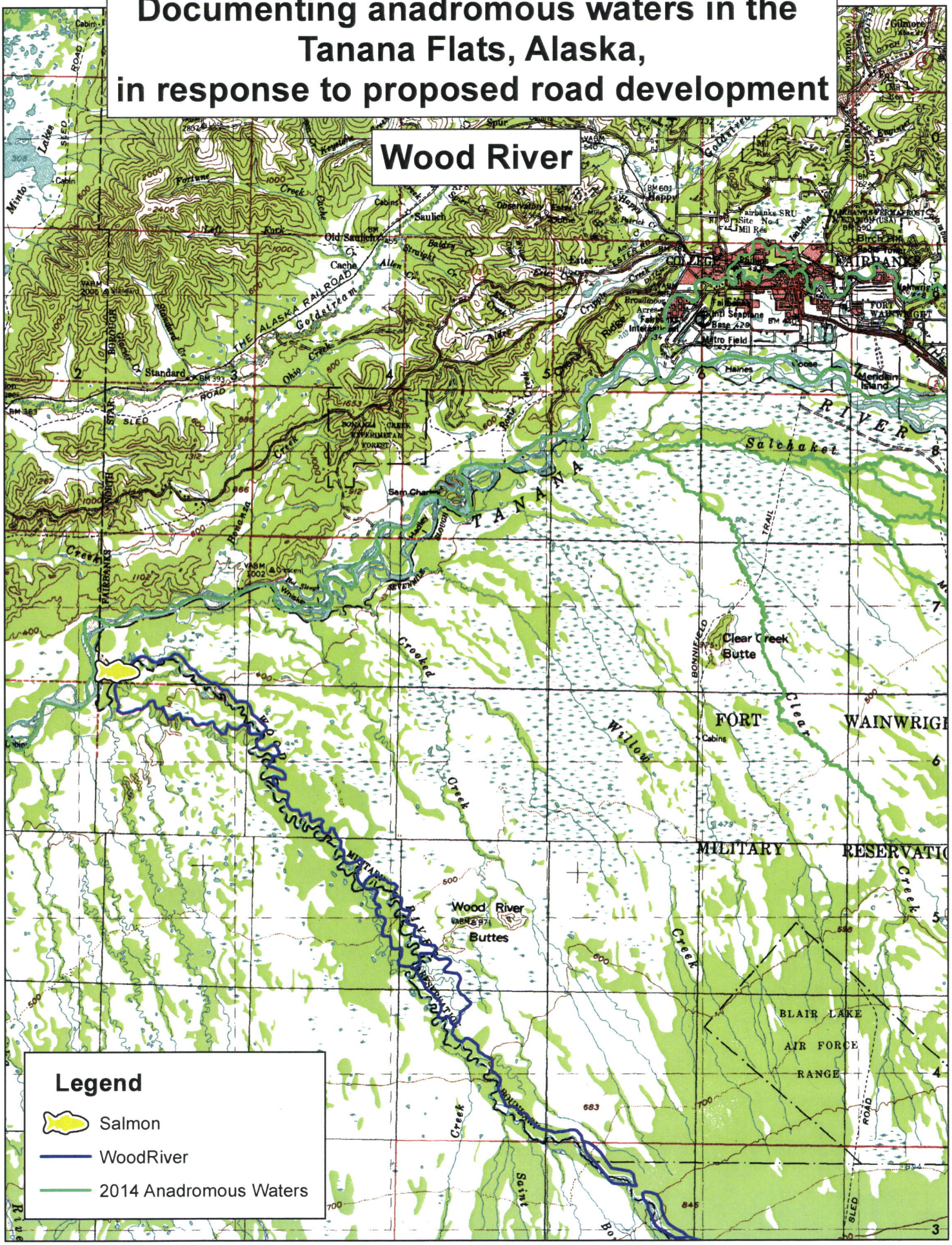
This certifies that in my best professional judgment and belief the above information is evidence that this waterbody should be included in or deleted from the Anadromous Waters Catalog.

Signature of Area Biologist: _____ Date: 9/24/14

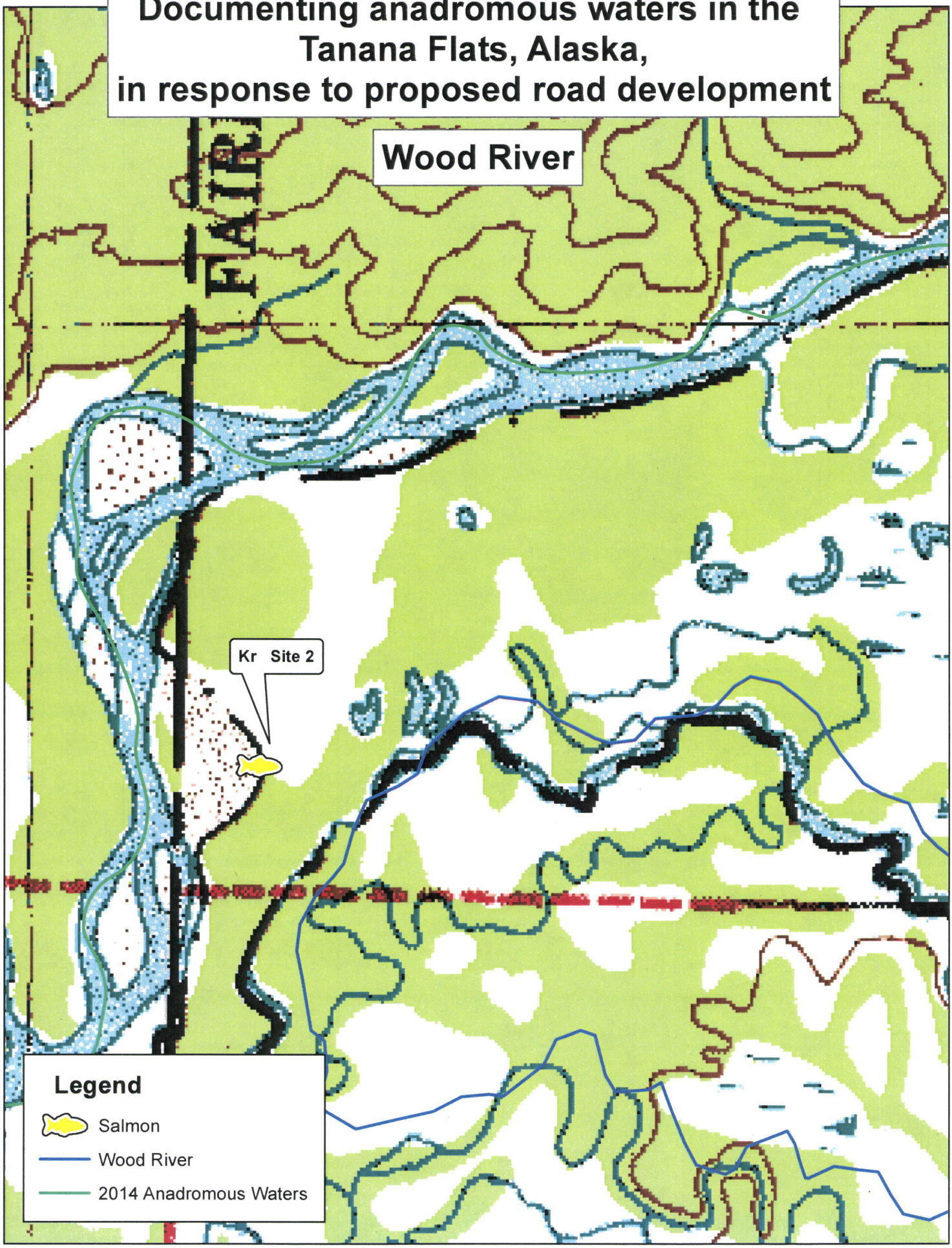
Name of Area Biologist (please print):

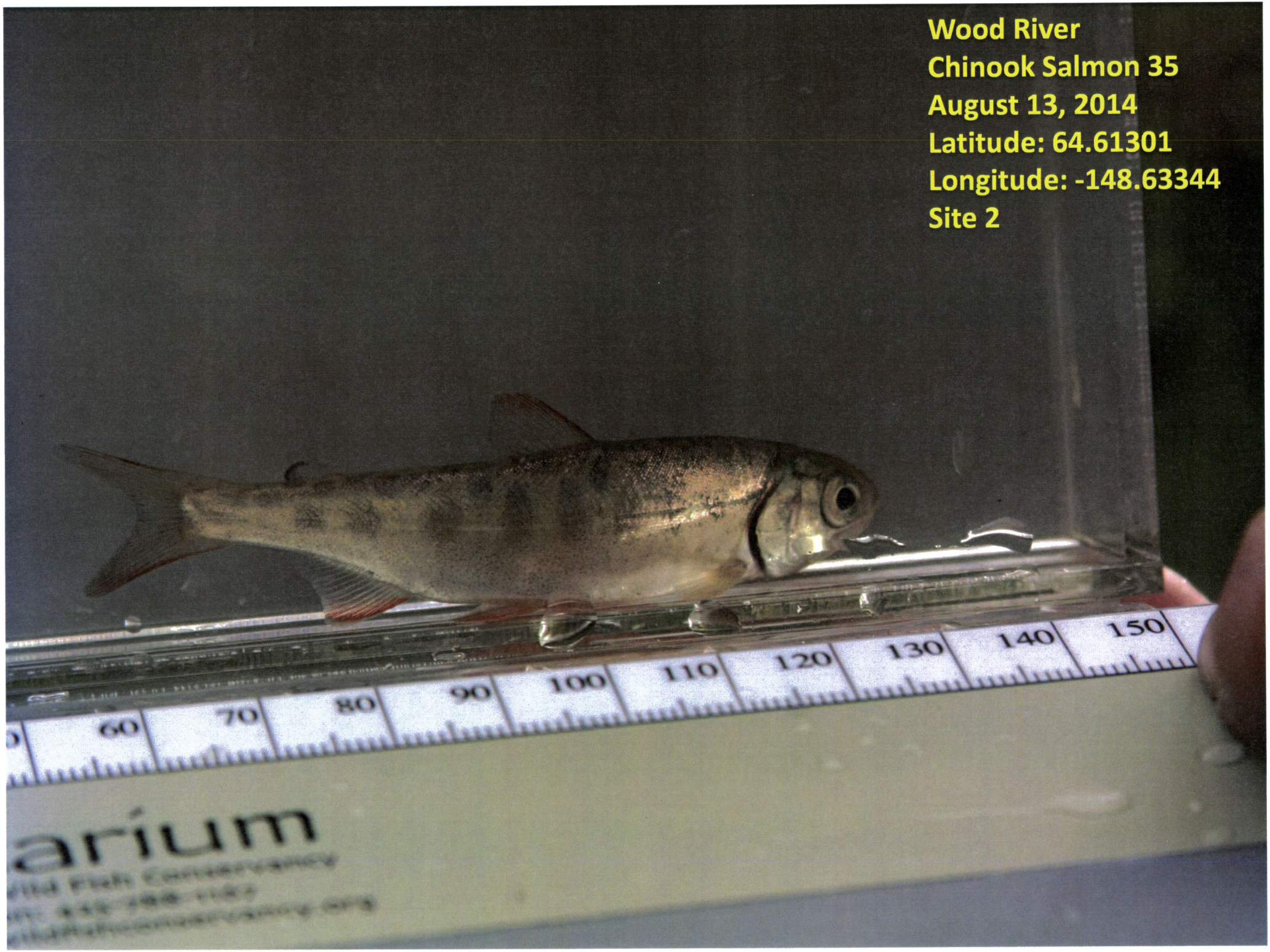
Revision 11/13

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


Wood River
Legend
Salmon
WoodRiver
2014 Anadromous Waters
Wood River Buttes
Clear Creek Butte
FORT WAINWRIGHT
MILITARY RESERVATION
BLAIR LAKE AIR FORCE RANGE
TANANA RIVER
Salchaket
Goldstream
Ohio Creek
Standard
Saulich
Old Saulich
Cache
Fairbanks
COLLEGE
Happy
Ester
Haines
Meridian Island
Willow Creek
Crooked Creek
Clear Creek
Saint Bonifacius
Sam Charlie
Seventeen Mile
Bonanza Creek Experimental Forest
THE ALASKA RAILROAD
NORTH STAR BOROUGH
Minto Lakes
Fairbanks SRU Site No. 4
Mil Res
Gilmore
Birch Hill
Eielson
Fairbanks Seaplane Base
Metro Field
Intertie Sub
Broadway Acres
Fairbanks Ice
Fairbanks Ice Ditch
Gold Creek
Fortune Creek
Left Fork
Cache Creek
Straight Creek
Allen Creek
Baldy Creek
Observation Creek
Esther Creek
Ester Ridge
Alder Creek
Rosie Creek
Standard Creek
Bonanza Creek
Hadley Slough
Red Slough
Wrinkle
Crescent
Cabins
Cabin
Mill Res
Fairbanks Ice Ditch
Gilmore Ditch
Eielson Ditch
Meridian Island
Bonifacius Trail
Clear Creek Trail
Saint Bonifacius Creek
Bonifacius Road
Sled Road
Standard Creek Road
Ester Road
Fairbanks Ice Ditch
Gilmore Ditch
Eielson Ditch
Meridian Island
Haines
Happy
Saulich
Old Saulich
Cache
Ester
Fairbanks
College
Fort Wainwright
Clear Creek Butte
Wood River Buttes
Blair Lake Air Force Range
Military Reservation
Fort Wainwright
Tanana River
Salchaket
Goldstream
Ohio Creek
Standard
Saulich
Old Saulich
Cache
Fairbanks
College
Happy
Ester
Haines
Meridian Island
Willow Creek
Crooked Creek
Clear Creek
Saint Bonifacius Creek
Sam Charlie
Seventeen Mile
Bonanza Creek Experimental Forest
The Alaska Railroad
North Star Borough

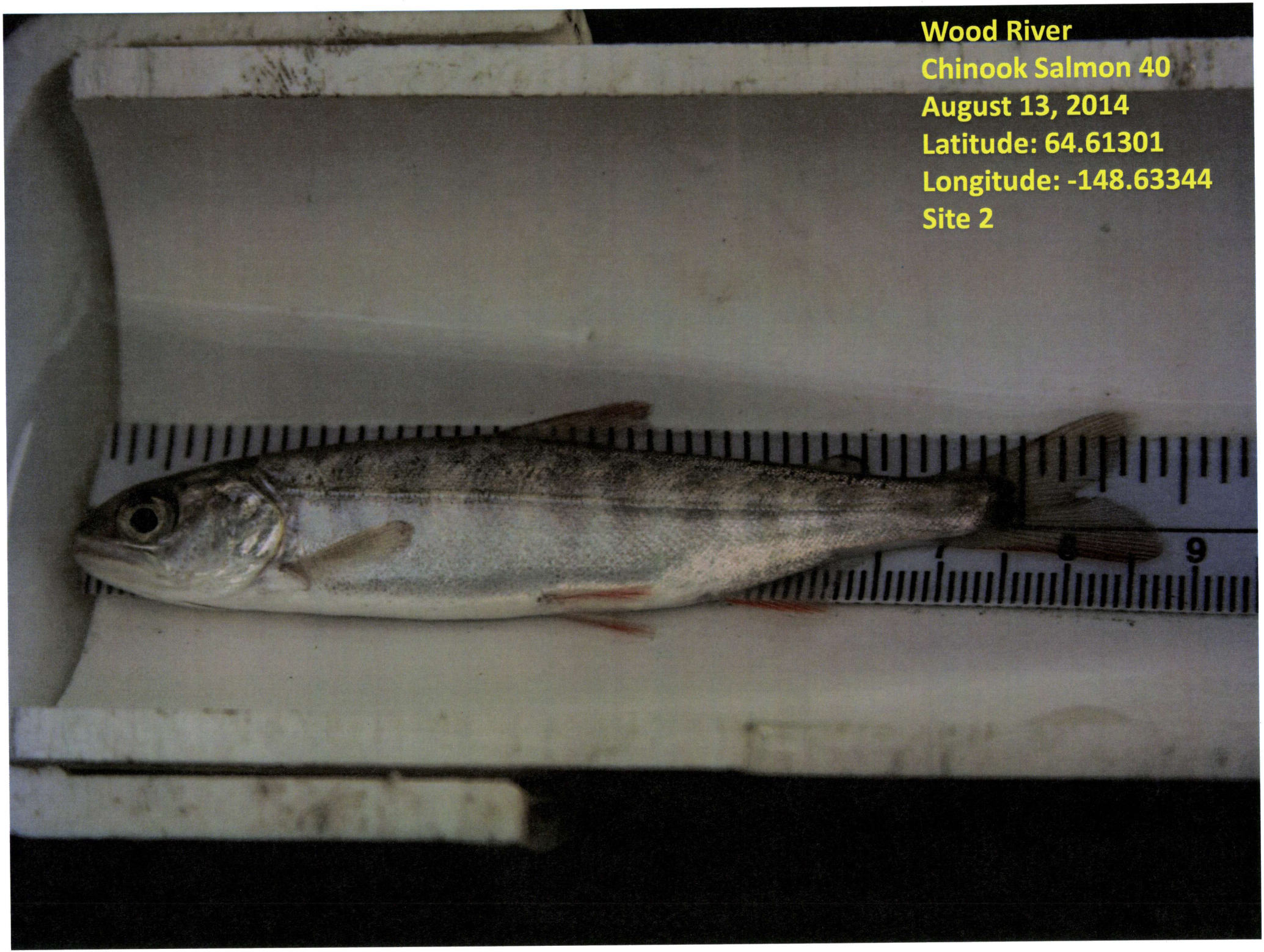
# Documenting anadromous waters in the Tanana Flats, Alaska, in response to proposed road development




Wood River
Chinook Salmon 35
August 13, 2014
Latitude: 64.61301
Longitude: -148.63344
Site 2
60
70
80
90
100
110
120
130
140
150
arium

Wood River
Chinook Salmon 36
August 13, 2014
Latitude: 64.61301
Longitude: -148.63344
Site 2
8
9

Wood River
Chinook Salmon 37
August 13, 2014
Latitude: 64.61301
Longitude: -148.63344
Site 2
cm


Wood River
Chinook Salmon 40
August 13, 2014
Latitude: 64.61301
Longitude: -148.63344
Site 2
9

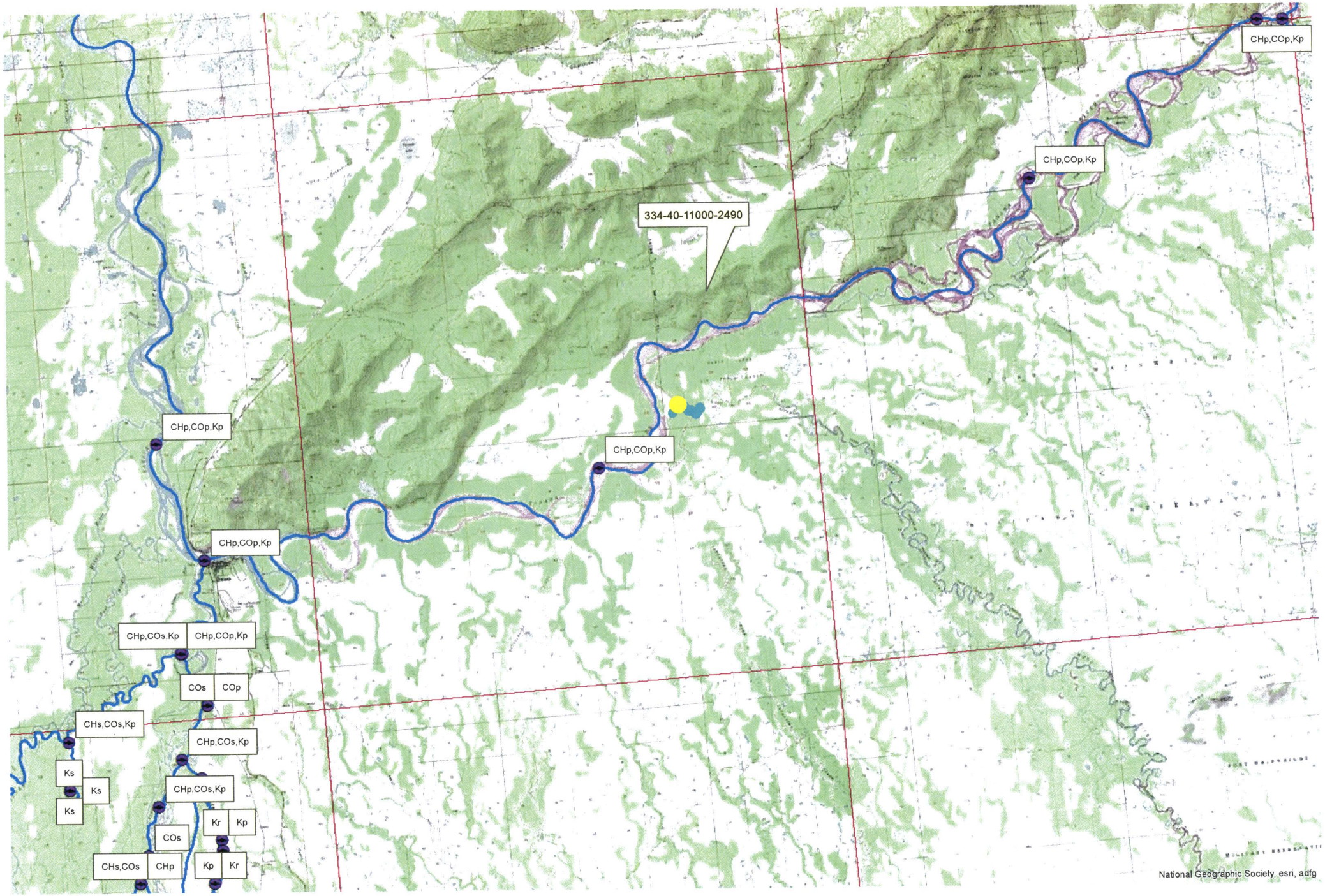
Wood River
Chinook Salmon 41
August 13, 2014
Latitude: 64.61301
Longitude: -148.63344
Site 2

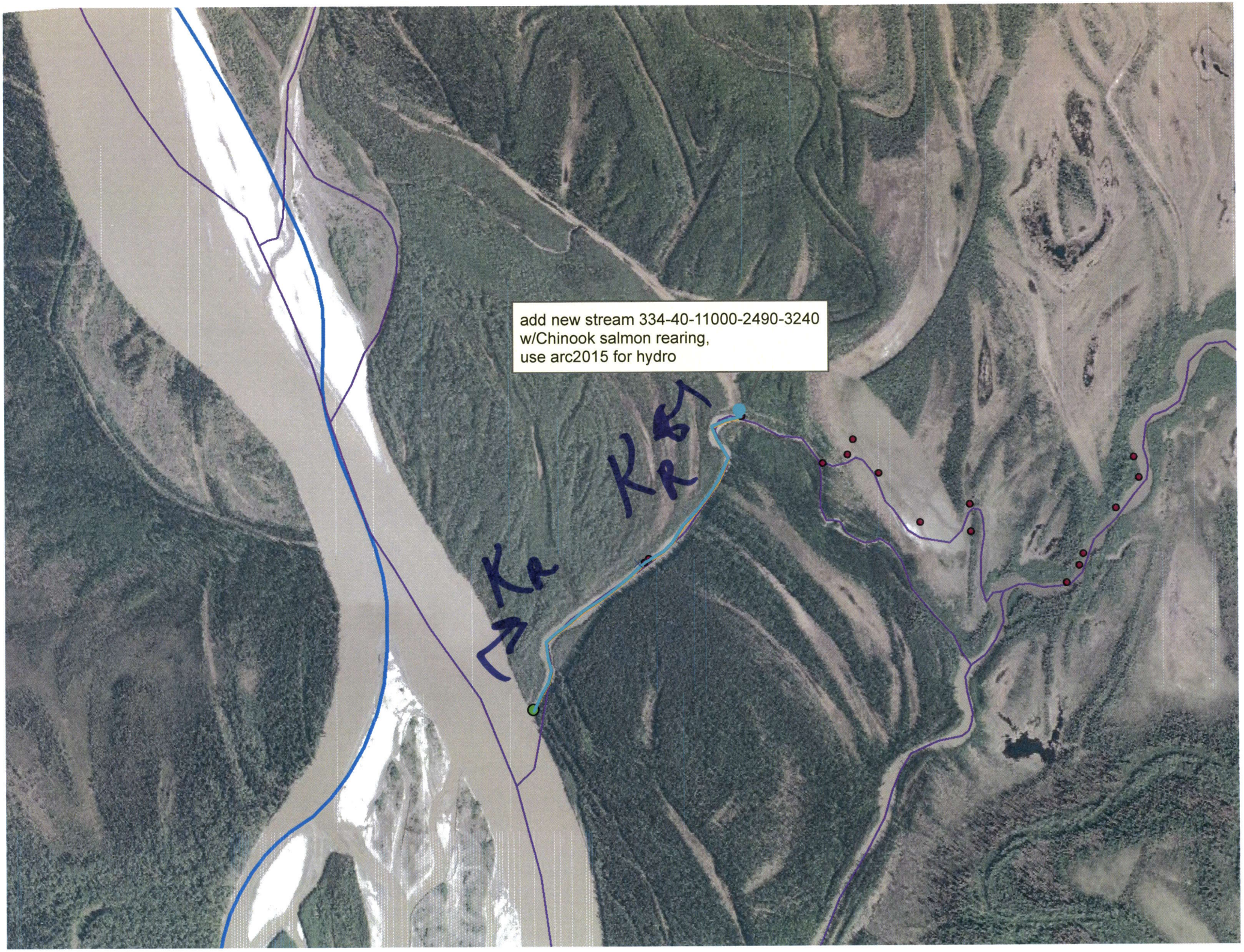
Table 1. Fish totals from 2014 sampling efforts at Wood River, Tanana Flats, Alaska 2013-2014.

| Location | Site | Gear Type | Date | Easting | Northing | Latitude | Longitude | FISH | KS | CO | CH | SLS | AG | RW | LNS | AL | NOPI | LKC | AB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WR | 1 | Minnow Trap | 8/12/2014 | 421869 | 7166316 | 64.61285 | -148.63338 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WR | 2 | Minnow Trap | 8/12/2014 | 421867 | 7166332 | 64.61301 | -148.63344 | 13 | 6 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 2 | 0 |
| WR | 3 | Minnow Trap | 8/12/2014 | 421577 | 7165966 | 64.60966 | -148.63930 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 4 | 0 |
| WR | 4 | Minnow Trap | 8/12/2014 | 421589 | 7165976 | 64.60974 | -148.63905 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WR | 5 | Minnow Trap | 8/12/2014 | 422148 | 7166224 | 64.61210 | -148.62750 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 20 | 0 |
| WR | 6 | Minnow Trap | 8/12/2014 | 422191 | 7166307 | 64.61210 | -148.62750 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 |
| WR | 7 | Minnow Trap | 8/12/2014 | 422430 | 7166025 | 64.61037 | -148.62151 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| WR | 8 | Minnow Trap | 8/12/2014 | 422653 | 7165787 | 64.60836 | -148.61667 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WR | 9 | Minnow Trap | 8/13/2014 | 422699 | 7165837 | 64.60874 | -148.61591 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WR | 10 | Minnow Trap | 8/13/2014 | 422701 | 7165867 | 64.60900 | -148.61565 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WR | 11 | Minnow Trap | 8/13/2014 | 422804 | 7165971 | 64.60999 | -148.61368 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 0 |
| WR | 12 | Minnow Trap | 8/13/2014 | 422871 | 7166044 | 64.61065 | -148.61232 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| WR | 13 | Minnow Trap | 8/13/2014 | 422863 | 7166098 | 64.61114 | -148.61249 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WR | 14 | Minnow Trap | 8/14/2014 | 422064 | 7166172 | 64.61161 | -148.62923 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| WR | 15 | Minnow Trap | 8/14/2014 | 422129 | 7166186 | 64.61176 | -148.62787 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WR | 16 | Minnow Trap | 8/14/2014 | 422205 | 7166130 | 64.61127 | -148.62627 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WR | 17 | Minnow Trap | 8/14/2014 | 422296 | 7165991 | 64.61005 | -148.62427 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WR | 18 | Minnow Trap | 8/14/2014 | 422424 | 7165953 | 64.60973 | -148.62158 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | | | | | | | | 65 | 6 | 0 | 0 | 1 | 0 | 0 | 17 | 0 | 0 | 41 | 0 |

Notes: All king salmon captured in minnow traps were juvenile life phase fish. Longnose sucker captured in minnow traps were juvenile life phase fish while all lake chub and one slimy sculpin were adult life phase fish.

| Location | Site | Gear Type | Date | Easting | Northing | Latitude | Longitude | FISH | KS | CO | CH | SLS | AG | RW | LNS | AL | NOPI | LKC | AB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WR | 1 | Minnow Trap | 8/12/2014 | 421869 | 7166316 | 64.61285 | -148.63338 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WR | 2 | Minnow Trap | 8/12/2014 | 421867 | 7166332 | 64.61301 | -148.63344 | 13 | 6 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 2 | 0 |
| WR | 3 | Minnow Trap | 8/12/2014 | 421577 | 7165966 | 64.60966 | -148.63930 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 4 | 0 |
| WR | 4 | Minnow Trap | 8/12/2014 | 421589 | 7165976 | 64.60974 | -148.63905 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WR | 5 | Minnow Trap | 8/12/2014 | 422148 | 7166224 | 64.61210 | -148.62750 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 20 | 0 |
| WR | 6 | Minnow Trap | 8/12/2014 | 422191 | 7166307 | 64.61210 | -148.62750 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 |
| WR | 7 | Minnow Trap | 8/12/2014 | 422430 | 7166025 | 64.61037 | -148.62151 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| WR | 8 | Minnow Trap | 8/12/2014 | 422653 | 7165787 | 64.60836 | -148.61667 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WR | 9 | Minnow Trap | 8/13/2014 | 422699 | 7165837 | 64.60874 | -148.61591 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WR | 10 | Minnow Trap | 8/13/2014 | 422701 | 7165867 | 64.60900 | -148.61565 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WR | 11 | Minnow Trap | 8/13/2014 | 422804 | 7165971 | 64.60999 | -148.61368 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 0 |
| WR | 12 | Minnow Trap | 8/13/2014 | 422871 | 7166044 | 64.61065 | -148.61232 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| WR | 13 | Minnow Trap | 8/13/2014 | 422863 | 7166098 | 64.61114 | -148.61249 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WR | 14 | Minnow Trap | 8/14/2014 | 422064 | 7166172 | 64.61161 | -148.62923 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| WR | 15 | Minnow Trap | 8/14/2014 | 422129 | 7166186 | 64.61176 | -148.62787 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WR | 16 | Minnow Trap | 8/14/2014 | 422205 | 7166130 | 64.61127 | -148.62627 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WR | 17 | Minnow Trap | 8/14/2014 | 422296 | 7165991 | 64.61005 | -148.62427 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WR | 18 | Minnow Trap | 8/14/2014 | 422424 | 7165953 | 64.60973 | -148.62158 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total** | | | | | | | | **65** | **6** | **0** | **0** | **1** | **0** | **0** | **17** | **0** | **0** | **41** | **0** |


334-40-11000-2490
CHp,COp,Kp
CHp,COp,Kp
CHp,COp,Kp
CHp,COp,Kp
CHp,COp,Kp
CHp,COs,Kp
CHp,COp,Kp
COs
COp
CHs,COs,Kp
CHp,COs,Kp
Ks
Ks
Ks
CHp,COs,Kp
Kr
Kp
COs
CHs,COs
CHp
Kp
Kr
National Geographic Society, esri, adfg


add new stream 334-40-11000-2490-3240
w/Chinook salmon rearing,
use arc2015 for hydro
KR
KR