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

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

Region: Interior

USGS Quad(s): Multiple Locations (See attached map and spreadsheet) Holy Cross D-4

AWC Number of Water Body: Multiple Locations (See attached spreadsheet) 334-30-11000-2701-3131

Name of Water body: Tributaries of the Yukon and Koyukuk Drainages ☒ USGS Name ☐ Local Name

☒ Addition ☐ Deletion ☐ Correction ☒ Backup Information

For Office Use

| | | |
|---|---|---|
| Nomination # 150122 | | |
| | Fisheries Scientist | Date |
| Revision Year: 2016 | | |
| Revision to: Atlas ____ Catalog ____ Both ____ | Habitat Operations Manager | Date 4/8/15 |
| | AWC Project Biologist | Date |
| Revision Code: F-1 | | |
| | GIS Analyst | Date |

OBSERVATION INFORMATION

| Species | Date(s) Observed | Spawning | Rearing | Present | Anadromous |
|---|---|---|---|---|---|
| Summer Chum Salmon | 6/25/2014 - 9/04/2014 | 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** 97 AWC Additions and 9 AWC Extensions Summer Chum Salmon Spawning

Locations of 106 summer chum salmon determined to be spawning in tributaries of the Yukon and Koyukuk River drainages during the 2014 Yukon River Summer Chum Telemetry project. Locations obtained using aerial surveys of radio tagged salmon conducted from 6/25/2014 through 9/04/2014 . Adult summer chum salmon were captured and radio tagged near the village of Russian Mission and tracked to their final spawning destinations using remote tracking tower installations and aerial surveys conducted by ADF&G and USFWS. The attached map shows final spawning locations of summer chum in 2014 (red dots indicate AWC addition/extension locations). Spreadsheet contains fish locations for 106 addition/extension records (WGS84 Decimal Degrees).

Only one Chum salmon observed @ this location

Name of Observer (please print): Richard Driscoll

Signature:

Date: 2/03/2015

Agency: State of Alaska Deptartment of Fish and Game

Address: 1300 College Road
Fairbanks, Alaska 99701

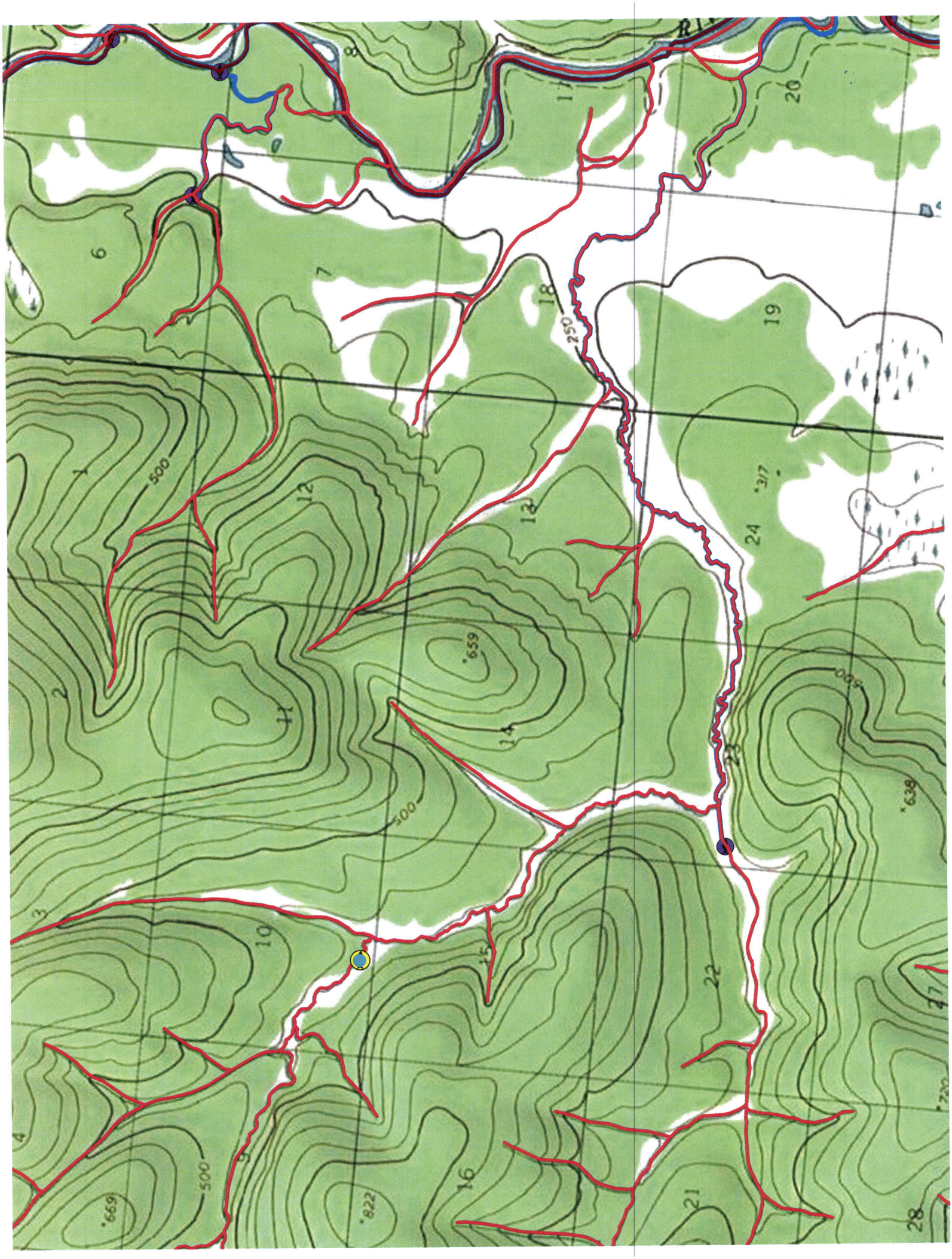
ALASKA DEPT. OF FISH & GAME
FEB 05 2015

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: Bonnie M. Borba Date: 2/4/15

Revision 11/13

Name of Area Biologist (please print): Bonnie M. Borba



500
250
659
822
638
317

| fishDataID | sampTime | instTypeID | River Location | AWC | AWC Comment | sigStrength | mortCode | Picked | latitude | longitude | numReadings | pingID | instrumentID | Drainage |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14-1168 | 7/25/14 21:12 | Flight | Unnamed | | AWC Addition | 113 | 0 | 1 | 61.90322333 | -161.13544 | 26 | 13991 | 1409 | AWC Addition |
| 14-1200 | 7/25/14 21:13 | Flight | Unnamed | | AWC Addition | 127 | 1 | 1 | 61.90390333 | -161.135425 | 49 | 14180 | 1409 | AWC Addition |
| 14-0796 | 7/20/14 20:57 | Flight | Unnamed | | AWC Addition | 142 | 0 | 1 | 61.90748833 | -161.1316233 | 68 | 13274 | 1403 | AWC Addition |
| 14-0506 | 7/25/14 21:12 | Flight | Unnamed | | AWC Addition | 116 | 0 | 1 | 61.909475 | -161.1329683 | 20 | 10946 | 1409 | AWC Addition |
| 14-1196 | 7/20/14 20:58 | Flight | Unnamed | | AWC Addition | 119 | 0 | 1 | 61.91060833 | -161.13135 | 10 | 13985 | 1403 | AWC Addition |
| 14-0925 | 7/25/14 21:12 | Flight | Unnamed | | AWC Addition | 148 | 0 | 1 | 61.91666667 | -161.1309483 | 28 | 12413 | 1409 | AWC Addition |
| 14-0870 | 7/20/14 20:58 | Flight | Unnamed | | AWC Addition | 125 | 0 | 1 | 61.91666667 | -161.1283683 | 61 | 12819 | 1403 | AWC Addition |
| 14-1141 | 7/25/14 21:12 | Flight | Unnamed | | AWC Addition | 148 | 1 | 1 | 61.92055833 | -161.1296417 | 30 | 13472 | 1409 | AWC Addition |
| 14-0648 | 7/20/14 20:58 | Flight | Unnamed | | AWC Addition | 127 | 1 | 1 | 61.92129667 | -161.12968 | 80 | 12005 | 1403 | AWC Addition |
| 14-1225 | 7/25/14 21:12 | Flight | Unnamed | | AWC Addition | 148 | 0 | 1 | 61.92266667 | -161.1287233 | 21 | 14207 | 1409 | AWC Addition |
| 14-1015 | 7/25/14 21:11 | Flight | Unnamed | | AWC Addition | 111 | 0 | 1 | 61.92302 | -161.1285317 | 11 | 13428 | 1409 | AWC Addition |
| 14-0695 | 7/25/14 21:11 | Flight | Unnamed | | AWC Addition | 148 | 0 | 1 | 61.92590167 | -161.1258883 | 14 | 12135 | 1409 | AWC Addition |
| 14-1089 | 7/20/14 20:59 | Flight | Unnamed | | AWC Addition | 116 | 1 | 1 | 61.92643 | -161.1265383 | 11 | 13263 | 1403 | AWC Addition |
| 14-0005 | 7/20/14 20:59 | Flight | Unnamed | | AWC Addition | 146 | 1 | 1 | 61.93292 | -161.12278 | 14 | 10547 | 1403 | AWC Addition |
| 14-1205 | 7/20/14 20:59 | Flight | Unnamed | | AWC Addition | 119 | 0 | 1 | 61.93326333 | -161.1227967 | 16 | 14032 | 1403 | AWC Addition |
| 14-1233 | 7/20/14 20:59 | Flight | Unnamed | | AWC Addition | 144 | 0 | 1 | 61.935635 | -161.1230083 | 12 | 14116 | 1403 | AWC Addition |
| 14-1113 | 7/25/14 21:11 | Flight | Unnamed | | AWC Addition | 142 | 0 | 1 | 61.94034167 | -161.1267017 | 30 | 13461 | 1409 | AWC Addition |
| 14-1148 | 7/25/14 21:11 | Flight | Unnamed | | AWC Addition | 119 | 1 | 1 | 61.94505667 | -161.1252483 | 17 | 13858 | 1409 | AWC Addition |
| 14-1226 | 7/25/14 21:11 | Flight | Unnamed | | AWC Addition | 105 | 0 | 1 | 61.946955 | -161.123845 | 6 | 14166 | 1409 | AWC Addition |
| 14-1213 | 7/25/14 21:10 | Flight | Unnamed | | AWC Addition | 118 | 0 | 1 | 61.94927333 | -161.1227883 | 7 | 13963 | 1409 | AWC Addition |
| 14-0931 | 7/25/14 21:10 | Flight | Unnamed | | AWC Addition | 124 | 1 | 1 | 61.95 | -161.1226 | 15 | 12415 | 1409 | AWC Addition |
| 14-0546 | 7/12/14 8:35 | Flight | Unnamed | | AWC Addition | 149 | 0 | 1 | 61.95 | -160.959345 | 33 | 11888 | 1274 | AWC Addition |
| 14-0640 | 7/20/14 21:06 | Flight | Unnamed | | AWC Addition | 129 | 1 | 1 | 61.951135 | -160.9640067 | 20 | 11717 | 1403 | AWC Addition |
| 14-0929 | 7/20/14 21:06 | Flight | Unnamed | | AWC Addition | 131 | 1 | 1 | 61.951135 | -160.9640067 | 22 | 12831 | 1403 | AWC Addition |
| 14-0504 | 7/25/14 21:10 | Flight | Unnamed | | AWC Addition | 105 | 0 | 1 | 61.95466167 | -161.124355 | 8 | 10849 | 1409 | AWC Addition |
| 14-1137 | 7/20/14 21:06 | Flight | Unnamed | | AWC Addition | 110 | 1 | 1 | 61.95599167 | -160.9743567 | 32 | 13466 | 1403 | AWC Addition |
| 14-0585 | 7/12/14 8:26 | Flight | Unnamed | | AWC Addition | 125 | 0 | 1 | 61.95613833 | -160.9747117 | 26 | 12195 | 1274 | AWC Addition |
| 14-0780 | 7/25/14 21:19 | Flight | Unnamed | | AWC Addition | 148 | 0 | 1 | 61.95799667 | -160.975755 | 9 | 13066 | 1409 | AWC Addition |
| 14-0934 | 7/12/14 8:26 | Flight | Unnamed | | AWC Addition | 120 | 0 | 1 | 61.95821 | -160.975905 | 16 | 12418 | 1274 | AWC Addition |
| 14-1223 | 7/20/14 21:06 | Flight | Unnamed | | AWC Addition | 148 | 0 | 1 | 61.960715 | -160.975825 | 30 | 14012 | 1403 | AWC Addition |
| 14-1057 | 7/20/14 21:06 | Flight | Unnamed | | AWC Addition | 131 | 1 | 1 | 61.96608833 | -160.975775 | 18 | 13638 | 1403 | AWC Addition |
| 14-0959 | 7/20/14 21:05 | Flight | Unnamed | | AWC Addition | 121 | 0 | 1 | 61.98413167 | -160.9944283 | 16 | 12747 | 1403 | AWC Addition |
| 14-1140 | 7/25/14 21:21 | Flight | Unnamed | | AWC Addition | 122 | 0 | 1 | 61.98471 | -160.995775 | 16 | 13567 | 1409 | AWC Addition |
| 14-1185 | 7/20/14 21:05 | Flight | Unnamed | | AWC Addition | 112 | 0 | 1 | 61.98488333 | -160.9996817 | 7 | 14178 | 1403 | AWC Addition |
| 14-0449 | 7/12/14 8:29 | Flight | Unnamed | | AWC Addition | 146 | 0 | 1 | 61.9896 | -161.0130383 | 21 | 11126 | 1274 | AWC Addition |
| 14-1159 | 7/20/14 21:04 | Flight | Unnamed | | AWC Addition | 119 | 1 | 1 | 61.98961 | -161.0152733 | 19 | 14173 | 1403 | AWC Addition |
| 14-0053 | 7/12/14 8:32 | Flight | Unnamed | | AWC Addition | 145 | 0 | 1 | 61.99259333 | -161.02442 | 16 | 14087 | 1274 | AWC Addition |
| 14-0710 | 7/12/14 8:29 | Flight | Unnamed | | AWC Addition | 129 | 0 | 1 | 61.99487833 | -161.0333233 | 27 | 12041 | 1274 | AWC Addition |
| 14-0862 | 7/20/14 21:03 | Flight | Unnamed | | AWC Addition | 97 | 0 | 1 | 61.99492833 | -161.0516283 | 16 | 12990 | 1403 | AWC Addition |
| 14-0201 | 7/26/14 7:09 | Flight | Little Lockwood Creek | 334-30-11000-2651-3291-4 | AWC Extention | 124 | 1 | 1 | 62.41648667 | -161.3193983 | 30 | 10197 | 1410 | 334-30-11000-2651 |
| 14-0012 | 7/26/14 7:10 | Flight | Little Lockwood Creek | 334-30-11000-2651-3291-4 | AWC Extention | 133 | 1 | 1 | 62.41927667 | -161.28684 | 45 | 9944 | 1410 | 334-30-11000-2651 |
| 14-0702 | 7/21/14 7:34 | Flight | Grayling Creek | 334-30-11000-2781 | AWC Extention | 148 | 0 | 1 | 62.91290833 | -160.1117 | 18 | 13805 | 1408 | 334-30-11000-2781 |
| 14-0725 | 7/21/14 7:40 | Flight | Grayling Creek | 334-30-11000-2781 | AWC Extention | 146 | 0 | 1 | 62.91510167 | -160.1 | 20 | 12050 | 1408 | 334-30-11000-2781 |
| 14-0326 | 7/26/14 8:56 | Flight | z_unNamed | 334-30-11000-2701-3131 | AWC Extention | 127 | 1 | 1 | 62.95758 | -160.835205 | 8 | 10978 | 1410 | 334-30-11000-2701 |
| 14-0209 | 7/12/14 10:12 | Flight | Grayling Creek | 334-30-11000-2781 | AWC Extention | 146 | 0 | 1 | 62.979235 | -160.0571833 | 20 | 10319 | 1274 | 334-30-11000-2781 |
| 14-0849 | 8/17/14 21:32 | Flight | Shovel Creek | | AWC Addition | 125 | 0 | 1 | 63.37497167 | -159.1940067 | 24 | 19145 | 1711 | AWC Addition |
| 14-0770 | 8/17/14 21:33 | Flight | Shovel Creek | | AWC Addition | 148 | 0 | 1 | 63.38899833 | -159.2206233 | 37 | 19222 | 1711 | AWC Addition |
| 14-0402 | 7/20/14 16:04 | Flight | z_unNamed | 334-35-11000-2055-3070 | AWC Extention | 134 | 0 | 1 | 64.195165 | -159.1623517 | 11 | 11192 | 1403 | 334-35-11000-2055 |
| 14-0169 | 7/26/14 16:17 | Flight | Ukawutni Creek | | AWC Addition | 130 | 1 | 1 | 64.94377 | -154.5024517 | 15 | 10694 | 1410 | AWC Addition |
| 14-0324 | 7/12/14 18:01 | Flight | Unnamed | | AWC Addition | 129 | 0 | 1 | 65 | -154.224635 | 24 | 10972 | 1274 | AWC Addition |
| 14-0300 | 7/12/14 18:01 | Flight | Unnamed | | AWC Addition | 138 | 0 | 1 | 65.000765 | -154.228355 | 13 | 10870 | 1274 | AWC Addition |
| 14-0221 | 8/1/14 10:54 | Flight | Woodyard Creek | | AWC Addition | 126 | 1 | 1 | 65.0207 | -157.6795117 | 9 | 10613 | 1680 | AWC Addition |
| 14-1174 | 8/1/14 10:53 | Flight | Woodyard Creek | | AWC Addition | 134 | 0 | 1 | 65.02148667 | -157.7020433 | 22 | 13953 | 1680 | AWC Addition |
| 14-0173 | 8/1/14 10:51 | Flight | Woodyard Creek | | AWC Addition | 139 | 1 | 1 | 65.06089333 | -157.7762533 | 27 | 9999 | 1680 | AWC Addition |
| 14-0384 | 8/8/14 7:26 | Flight | North Fork Hot Springs Creek | | AWC Addition | 95 | 0 | 1 | 65.24972833 | -154.3361483 | 21 | 14590 | 1686 | AWC Addition |
| 14-0313 | 8/8/14 7:01 | Flight | Little Melozitna River | 334-40-11000-2255-3420 | AWC Extention | 148 | 1 | 1 | 65.4507 | -153.497825 | 29 | 14575 | 1686 | 334-40-11000-2255 |
| 14-0464 | 8/8/14 13:19 | Flight | Huslia River | | AWC Addition | 101 | 1 | 1 | 65.75603 | -156.5998283 | 14 | 14600 | 1686 | AWC Addition |
| 14-0588 | 8/8/14 13:20 | Flight | Huslia River | | AWC Addition | 143 | 0 | 1 | 65.77097667 | -156.6516717 | 120 | 14610 | 1686 | AWC Addition |
| 14-0116 | 8/8/14 15:55 | Flight | Billy Hawk Creek | | AWC Addition | 125 | 0 | 1 | 65.97449167 | -156.7368867 | 85 | 14507 | 1686 | AWC Addition |
| 14-0662 | 8/8/14 16:00 | Flight | Billy Hawk Creek | | AWC Addition | 131 | 1 | 1 | 66.01024833 | -156.8047083 | 74 | 14615 | 1686 | AWC Addition |
| 14-0004 | 8/8/14 16:55 | Flight | Dakli River | 334-40-11000-2125-3225 | AWC Extention | 144 | 0 | 1 | 66.03498167 | -156.2091667 | 76 | 14491 | 1686 | 334-40-11000-2125 |
| 14-0724 | 8/6/14 13:43 | Flight | Billy Hawk Creek | | AWC Addition | 98 | 1 | 1 | 66.04338667 | -156.864775 | 12 | 14859 | 1692 | AWC Addition |
| 14-0689 | 8/8/14 16:03 | Flight | Billy Hawk Creek | | AWC Addition | 124 | 1 | 1 | 66.05584667 | -156.85889 | 38 | 14616 | 1686 | AWC Addition |
| 14-0694 | 8/8/14 16:03 | Flight | Billy Hawk Creek | | AWC Addition | 137 | 0 | 1 | 66.05612333 | -156.8586967 | 80 | 14617 | 1686 | AWC Addition |
| 14-0203 | 8/8/14 16:03 | Flight | Billy Hawk Creek | | AWC Addition | 145 | 0 | 1 | 66.05747333 | -156.8575833 | 64 | 14527 | 1686 | AWC Addition |
| 14-0181 | 8/8/14 15:47 | Flight | Billy Hawk Creek | | AWC Addition | 113 | 1 | 1 | 66.05895167 | -156.9025067 | 32 | 14538 | 1686 | AWC Addition |
| 14-0196 | 8/8/14 16:05 | Flight | Billy Hawk Creek | | AWC Addition | 117 | 1 | 1 | 66.06843667 | -156.8106267 | 39 | 14542 | 1686 | AWC Addition |
| 14-0154 | 8/8/14 16:05 | Flight | Billy Hawk Creek | | AWC Addition | 138 | 1 | 1 | 66.06893667 | -156.8033033 | 48 | 14513 | 1686 | AWC Addition |
| 14-0323 | 8/8/14 16:05 | Flight | Billy Hawk Creek | | AWC Addition | 128 | 1 | 1 | 66.0696 | -156.7904717 | 40 | 14577 | 1686 | AWC Addition |
| 14-0036 | 8/8/14 16:05 | Flight | Billy Hawk Creek | | AWC Addition | 112 | 0 | 1 | 66.07075833 | -156.7842883 | 19 | 14489 | 1686 | AWC Addition |
| 14-0317 | 8/8/14 16:07 | Flight | Billy Hawk Creek | | AWC Addition | 144 | 0 | 1 | 66.07085333 | -156.75131 | 45 | 14569 | 1686 | AWC Addition |
| 14-0006 | 8/8/14 16:06 | Flight | Billy Hawk Creek | | AWC Addition | 143 | 0 | 1 | 66.07087 | -156.75208 | 61 | 14483 | 1686 | AWC Addition |