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Recoveries of High-Seas Tags in 2008-2009 and Tag Releases in 2009 from High-seas Research Vessel Surveys in the North Pacific Ocean

by

**Working Group on Salmon Tagging
Committee on Scientific Research and Statistics**

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ABSTRACT

In 2008 and 2009, high seas tags were recovered from 71 chum salmon in Japan, eleven pink, two chum, and one sockeye salmon in Russia, and one Chinook salmon in the US. The Chinook salmon recaptured in the US also carried a data storage tag. From June to July 2009, a Japanese research vessel, *Wakatake maru*, conducted 24 longline (720 hachi) operations with the purposes of tagging salmonids with disk tags, data storage tags, and passive integrated transponder (PIT) tags. A total of 164 salmonids (three sockeye, 80 chum, 17 pink, 51 coho, and two Chinook salmon, and 11 steelhead trout) in the central North Pacific and 1,335 salmonids (78 sockeye, 207 chum, 1,046 pink, and four Chinook salmon) in the Bering Sea were disk-tagged and released. These releases included six Chinook salmon tagged with data storage tags and 51 coho, two Chinook salmon, and 11 steelhead trout tagged with PIT tags.

INTRODUCTION

The Working Group on Salmon Tagging (WGST) was established by the CSRS at the 15th Annual Meeting in 2007 to manage the INPFC-NPAFC tagging database and to coordinate high seas tagging activities of the Parties. In this report, we summarize releases of tagged high seas salmon in 2009 and recoveries of high seas tags by the Parties in 2008 and 2009. This report includes updated information since our previous report was compiled (WGST, 2008).

MATERIALS AND METHODS

Releases of high seas tags in 2008

From June to July in 2008, 274 salmonids (2 sockeye, 158 chum, 14 pink, 90 coho, and one Chinook salmon, and 9 steelhead trout) in the central North Pacific and 1,696 salmonids (60

sockeye, 1,566 chum, 48 pink, and 20 Chinook salmon, and two Dolly Varden) in the Bering Sea were caught by surface longline during the salmon research cruise of the *Wakatake maru* (WGST, 2008). Of these fish, 224 salmonids (two sockeye, 132 chum, 11 pink, 70 coho, and one Chinook salmon, and eight steelhead trout) in the central North Pacific and 1,292 salmonids (50 sockeye, 1,189 chum, 33 pink, and 18 Chinook salmon and two Dolly Varden) in the Bering Sea were tagged and released. These releases included one Chinook salmon released in the central North Pacific and 18 Chinook salmon released in the Bering Sea with temperature and depth recording data storage tags (DST).

During the 2008 *Wakatake maru* cruise, fish were tagged with disk tags issued by three agencies, including the Fisheries Agency of Japan (FAJ), the University of Washington (UW), and the NPAFC. The DST type (Lotek model LAT 1400; <http://www.lotek.com/lat.htm>) placed on several fish recorded water temperature and the fish's swimming depth. The DST was placed externally in the dorsal musculature of the fish anterior to the dorsal fin using metal pins and disk tags in a manner previously described (WGST 2008).

During September 27, 2008, two live-box trawl sets were completed in the Bering Sea aboard the NOAA Ship *Oscar Dyson* at the same location (55.5N 168.5W) for the purposes of tagging salmon with NPAFC disk tags and temperature and depth-recording DST (Lotek LTD 1100 series) tags. A total of 107 immature salmon was caught and 81 were tagged (59 chum, 18 sockeye, and four Chinook salmon). A total of 63 salmon was released with both DSTs and disk tags (47 chum, 12 sockeye, and four Chinook salmon), one chum salmon was released with just a DST, and 17 salmon (11 chum and six sockeye salmon) were released with a disk tag.

Releases of high seas tags in 2009

From June to July 2009, a Japanese research vessel, *Wakatake maru*, conducted 24 longline (720 hachi) operations for live capture of salmonids for tagging (Kaga and Davis 2009). In 2009 two types of disk tags were used: one issued by the FAJ and one issued by the NPAFC. In addition, Chinook salmon in healthy condition were tagged externally with a temperature and depth-recording DST, identical to the model used in 2008 (Lotek model LAT 1400). Coho and Chinook salmon, and steelhead caught in the central North Pacific were selected for tagging with disk tags and a passive integrated transponder (PIT) tag. The PIT tag was injected into the visceral cavity behind the stomach in the area of the pyloric caecae. The injection site on the body was located approximately halfway between the posterior end of the pectoral fin and the anterior end of the pelvic girdle, 1 - 2 mm away from the ventral midline.

Recovery of high seas tags

Scientists at the Pacific Biological Station in Canada, the National Salmon Resources

Center in Japan, the Youngdong Inland Fisheries Research Institute in Korea, the Pacific Fisheries Research Centre (TINRO-Centre) and the Kamchatka Scientific Research Institute of Fisheries and Oceanography (KamchatNIRO) in Russia, the Auke Bay Laboratory and the University of Washington in the United States, and the NPAFC Secretariat were designated to collect recovery information. To increase awareness of the tag recovery program for the general public, posters displaying information on types of tags, attachment location, guidelines for collecting important recovery data, and how to report a tag recovery were placed on the NPAFC website (http://www.npafc.org/new/science_fishtag2.html).

RESULTS

Recovery of high seas tags in 2008-2009

In 2008 and 2009, high seas tags were recovered from 71 chum salmon in Japan, eleven pink, two chum, and one sockeye salmon in Russia, and one Chinook salmon in the US (Table 1). The Chinook salmon recaptured in the US also carried a data storage tag.

Releases of high seas tags in 2009

From June to July in 2009, 183 salmonids (three sockeye, 85 chum, 19 pink, 62 coho, and two Chinook salmon, and 12 steelhead trout) in the central North Pacific and 1,616 salmonids (87 sockeye, 254 chum, 1,270 pink, and five Chinook salmon) in the Bering Sea were caught by surface longline during the salmon research cruise of the *Wakatake maru* (Table 2; Kaga and Davis 2009). Of these fish, 164 salmonids (three sockeye, 80 chum, 17 pink, 51 coho, and two Chinook salmon, and 11 steelhead trout) in the central North Pacific and 1,335 salmonids (78 sockeye, 207 chum, 1,046 pink, and four Chinook salmon) in the Bering Sea were tagged and released (Tables 2 and 3). These disk tag releases included six Chinook salmon also tagged with data storage tags (Table 3) and 51 coho, two Chinook salmon, and 11 steelhead trout also tagged with with PIT tags (Table 4).

ACKNOWLEDGMENTS

We thank scientists, the captain, officers, and crew onboard the R/V *Wakatake maru* for their careful collection of data and samples. We are grateful to the individuals and agencies who returned tags. We thank Dave Marvin of the Pacific States Marine Fisheries Commission for PIT tags, loan of PIT tag detectors, and help with the PTAGIS database. Funding for data

storage tags released on Chinook salmon during the R/V *Wakatake maru* survey in 2008 and 2009 was provided to the University of Washington by award # NA04NMF4380162 from the National Oceanic and Atmospheric Administration (NOAA) administered by the Alaska Department of Fish and Game (ADFG) for the Arctic-Yukon-Kuskokwim Sustainable Salmon Initiative (<http://www.aykssi.org>). The statements, finding, conclusions, and recommendations are those of the authors and do not necessarily reflect the views of NOAA, the U.S. Dept. of Comm., ADFG, or any of their sub-agencies.

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- Working Group on Salmon Tagging (WGST), Committee on Scientific Research and Statistics. 2008. Recoveries of high-seas tags in 2007-2008 and tag releases in 2008 from high-seas research vessel surveys in the North Pacific Ocean. NPAFC Doc. 1119. 8 pp. Working Group on Salmon Tagging, Committee on Scientific Research and Statistics (Available at <http://www.npafc.org>).

Table 1. Recoveries of high-seas tagged salmon in 2008 and 2009. Age designation is the European method, where the first number is the number of freshwater annuli and the second number is the number of ocean annuli. FL: fork length (mm), BW: body weight (g), -: no data. Release date is the date on the west side of the international dateline.

| Japan tag # | U.S. tag # | NPAFC tag # | Release | | | | | | Recovery | | | | | | | |
|-------------|------------|-------------|---------|--------|---------|---------|-----|-----|----------|---------|----------|----------|-----|-----|------|---|
| | | | Date | Lat | Long | Species | FL | Age | Date | Lat | Long | Gear | Sex | FL | BW | Location |
| *LL6607 | - | NA0607 | 6/29/08 | 57°34N | 179°58W | Chinook | 561 | x.x | 7/10/09 | 56°53'N | 158°56'W | Gillnet | F | - | - | Strogonof Point, North Alaska Peninsula, Alaska |
| BB2464 | - | - | 7/4/04 | 54°35N | 179°46E | Chum | 420 | 0.1 | 9/10/08 | 44°56N | 142°35E | Trap net | M | 673 | 2800 | Esashi, Okhotsk Sea coast, Hokkaido |
| MM4554 | LL7454 | - | 7/9/06 | 57°30N | 180°00 | Chum | 510 | 0.3 | 9/29/08 | 43°40N | 145°08E | Trap net | F | 630 | 2200 | Shibetsu, Nemuro Strait, Hokkaido |
| LL5426 | LL8851 | - | 6/28/07 | 56°29N | 179°58W | Pink | 471 | 0.1 | - | - | - | - | - | - | - | Karaginskiy, East Kamtchatka |
| LL5410 | LL8835 | - | 6/28/07 | 56°29N | 178°58W | Chum | 576 | 0.3 | 9/2/08 | 44°56N | 142°35E | Trap net | M | 610 | 3000 | Esashi, Okhotsk Sea coast, Hokkaido |
| LL5473 | LL8898 | - | 6/30/07 | 58°29N | 180°00E | Pink | 460 | 0.1 | - | - | - | - | - | - | - | Karaginskiy, East Kamtchatka |
| LL6345 | MM3345 | NA0345 | 6/24/08 | 52°30N | 180°00 | Chum | 648 | 0.4 | 9/25/08 | 44°01N | 145°12E | Trap net | - | - | - | Rausu, Nemuro Strait, Hokkaido |
| LL6429 | MM3429 | NA0429 | 6/25/08 | 53°30N | 180°00 | Chum | 615 | 0.4 | 10/27/08 | 43°55N | 144°40E | Trap net | F | 650 | 2700 | Shari, Okhotsk Sea coast, Hokkaido |
| LL6460 | MM3460 | NA0460 | 6/27/08 | 55°33N | 179°55W | Chum | 618 | 0.5 | 9/23/08 | 46°45N | 141°55E | River | F | 650 | 2940 | Yasunomorskaya River, Sakhalin |
| LL6517 | MM3517 | NA0517 | 6/28/08 | 56°32N | 179°55W | Chum | 595 | 0.4 | 9/8/08 | 44°56N | 142°35E | Trap net | M | 670 | 3000 | Esashi, Okhotsk Sea coast, Hokkaido |
| LL6535 | MM3535 | NA0535 | 6/28/08 | 56°32N | 179°55W | Chum | 610 | x.x | 9/18/08 | 43°34N | 145°13E | Trap net | M | - | 3000 | Notsuke, Nemuro Strait, Hokkaido |
| LL6539 | MM3539 | NA0539 | 6/28/08 | 56°32N | 179°55W | Chum | 562 | 0.3 | 9/29/08 | 42°57N | 144°05E | Trap net | F | 590 | 2100 | Shiranuka, Pacific coast, Hokkaido |
| LL6543 | MM3543 | NA0543 | 6/28/08 | 56°32N | 179°55W | Chum | 560 | x.x | 9/29/08 | 44°04N | 145°00E | Trap net | - | - | - | Utoro, Okhotsk Sea coast, Hokkaido |
| LL6546 | MM3546 | NA0546 | 6/28/08 | 56°32N | 179°55W | Chum | 627 | 0.3 | 9/26/08 | 43°55N | 144°40E | Trap net | F | 620 | 3100 | Shari, Okhotsk Sea coast, Hokkaido |
| LL6568 | MM3568 | NA0568 | 6/28/08 | 56°32N | 179°55W | Chum | 527 | 0.4 | 9/15/08 | 43°55N | 144°40E | Trap net | M | 670 | 3200 | Shari, Okhotsk Sea coast, Hokkaido |
| LL6569 | MM3569 | NA0569 | 6/28/08 | 56°32N | 179°55W | Chum | 520 | 0.4 | 9/22/08 | 44°01N | 144°17E | Trap net | M | 655 | 2500 | Abashiri, Okhotsk Sea coast, Hokkaido |
| LL6584 | MM3584 | NA0584 | 6/29/08 | 57°34N | 179°58W | Chum | 556 | 0.3 | 10/3/08 | 43°40N | 145°08E | Trap net | F | 590 | - | Shibetsu, Nemuro Strait, Hokkaido |
| LL6593 | MM3593 | NA0593 | 6/29/08 | 57°34N | 179°58W | Chum | 713 | 0.4 | 9/15/08 | 43°00N | 144°22E | River | M | 762 | 4620 | Kushiro River, Hokkaido |
| LL6619 | MM3619 | NA0619 | 6/29/08 | 57°34N | 179°58W | Chum | 552 | 0.2 | 10/20/08 | 42°08N | 142°53E | Trap net | M | 610 | 1900 | Utoma, Pacific coast, Hokkaido |
| LL6649 | MM3649 | NA0649 | 6/30/08 | 58°30N | 179°55E | Chum | 553 | 0.3 | 10/3/08 | 44°01N | 145°12E | Trap net | M | - | 2500 | Rausu, Nemuro Strait, Hokkaido |
| LL6654 | MM3654 | NA0654 | 6/30/08 | 58°30N | 179°55E | Chum | 604 | 0.4 | 7/26/08 | 58°05N | 161°59E | River | F | 625 | 2730 | Khaylyulya River, East Kamtchatka |
| LL6663 | MM3663 | NA0663 | 6/30/08 | 58°30N | 179°55E | Chum | 590 | 0.4 | 9/19/08 | 42°57N | 144°05E | Trap net | M | 620 | 2500 | Onbetsu, Pacific coast, Hokkaido |
| LL6667 | MM3667 | NA0667 | 6/30/08 | 58°30N | 179°55E | Chum | 568 | 0.3 | 9/25/08 | 43°23N | 145°17E | Trap net | F | 612 | 2100 | Betsukai, Nemuro Strait, Hokkaido |
| LL6670 | MM3670 | NA0689 | 7/1/08 | 57°27N | 179°12W | Chum | 548 | 0.3 | 10/7/08 | 44°01N | 145°12E | Trap net | - | - | - | Rausu, Nemuro Strait, Hokkaido |
| LL6689 | MM3689 | NA0689 | 7/1/08 | 57°27N | 179°12W | Chum | 548 | 0.3 | 10/11/08 | 43°40N | 145°08E | Trap net | M | 580 | 1800 | Shibetsu, Nemuro Strait, Hokkaido |
| LL6691 | MM3691 | NA0691 | 7/1/08 | 57°27N | 179°12W | Chum | 550 | 0.3 | 10/13/08 | 43°55N | 144°40E | Trap net | M | 560 | 2000 | Shari, Okhotsk Sea coast, Hokkaido |
| LL6717 | MM3717 | NA0717 | 7/1/08 | 57°27N | 179°12W | Chum | 559 | 0.4 | 11/25/08 | 40°35N | 141°28E | Trap net | M | 670 | 2200 | Hyakkoku, Pacific side, Aomori |
| LL6727 | MM3727 | NA0727 | 7/1/08 | 57°27N | 179°12W | Chum | 649 | 0.5 | 9/26/08 | 43°20N | 145°35E | Trap net | M | 710 | 3200 | Nemuro, Nemuro Strait, Hokkaido |

*This fish also carried a temperature and depth-recording data storage tag LAT-0601.

Table 1. (Continued)

| Japan tag # | U.S. tag # | NPAFC tag # | Release | | | | | | Recovery | | | | | | | |
|----------------|---------------|----------------|---------|--------|---------|---------|-----|-----|----------|--------|---------|----------|-----|-----|------|---------------------------------------|
| | | | Date | Lat | Long | Species | FL | Age | Date | Lat | Long | Gear | Sex | FL | BW | Location |
| LL6736 | MM3736 | NA0736 | 7/1/08 | 57°27N | 179°12W | Chum | 606 | 0.4 | 10/20/08 | 43°55N | 144°40E | Trap net | F | 640 | 2400 | Shari, Okhotsk Sea coast, Hokkaido |
| LL6819 | MM3819 | NA0819 | 7/2/08 | 57°28N | 178°05W | Chum | 577 | 0.4 | 10/25/08 | 44°04N | 145°00E | Trap net | F | 600 | - | Utoro, Okhotsk Sea coast, Hokkaido |
| LL6856 | MM3856 | NA0856 | 7/2/08 | 57°28N | 178°05W | Chum | 634 | 0.5 | 10/10/08 | 43°55N | 144°40E | Trap net | F | 660 | 2100 | Shari, Okhotsk Sea coast, Hokkaido |
| LL6866 | MM3866 | NA0866 | 7/2/08 | 57°28N | 178°05W | Chum | 623 | 0.3 | 9/28/08 | 42°10N | 142°46E | Trap net | F | 700 | 3100 | Urakawa, Pacific coast, Hokkaido |
| LL6892 | MM3892 | NA0892 | 7/3/08 | 56°26N | 178°09W | Chum | 580 | 0.4 | 10/17/08 | 42°17N | 143°19E | Trap net | M | - | - | Hiroo, Pacific coast, Hokkaido |
| LL6898 | MM3898 | NA0898 | 7/3/08 | 56°26N | 178°09W | Chum | 600 | 0.4 | 10/2/08 | 42°08N | 142°55E | Trap net | F | 590 | 1900 | Samani, Pacific coast, Hokkaido |
| LL6909 | MM3909 | NA0909 | 7/3/08 | 56°26N | 178°09W | Chum | 585 | 0.4 | 10/20/08 | 42°41N | 143°38E | Trap net | - | - | - | Urahoro, Pacific coast, Hokkaido |
| LL6968 | MM3968 | NA0968 | 7/4/08 | 56°26N | 179°04W | Chum | 568 | 0.3 | /08 | 43°20N | 145°35E | Trap net | - | - | - | Nemuro, Hokkaido |
| LL6977 | MM3977 | NA0977 | 7/4/08 | 56°26N | 179°04W | Chum | 675 | 0.3 | 9/30/08 | 42°17N | 143°19E | Trap net | M | 680 | 4000 | Hiroo, Pacific coast, Hokkaido |
| - | - | NA1009 | 7/5/08 | 56°29N | 178°57E | Chum | 643 | 0.4 | 9/13/08 | 42°25N | 143°24E | Trap net | M | - | - | Taiki, Pacific coast, Hokkaido |
| - | - | NA1020 | 7/5/08 | 56°29N | 178°57E | Chum | 635 | 0.4 | 10/17/08 | 44°01N | 145°12E | Trap net | - | - | - | Rausu, Nemuro Strait, Hokkaido |
| - | - | NA1023 | 7/5/08 | 56°29N | 178°57E | Chum | 568 | 0.4 | 9/27/08 | 44°14N | 143°37E | Trap net | M | 600 | 2300 | Yubetsu, Okhotsk Sea coast, Hokkaido |
| - | - | NA1035 | 7/5/08 | 56°29N | 178°57E | Chum | 448 | 0.3 | 9/30/08 | 44°35N | 142°58E | Trap net | M | 575 | 2200 | Omu, Okhotsk Sea coast, Hokkaido |
| - | - | NA1045 | 7/5/08 | 56°29N | 178°57E | Chum | 572 | 0.4 | 10/3/08 | 43°20N | 145°35E | Trap net | M | 630 | 2200 | Nemuro, Nemuro Strait, Hokkaido |
| - | - | NA1048 | 7/5/08 | 56°29N | 178°57E | Chum | 588 | 0.3 | 10/3/08 | 44°04N | 145°00E | Trap net | M | - | 2700 | Utoro, Okhotsk Sea coast, Hokkaido |
| - | - | NA1056 | 7/5/08 | 56°29N | 178°57E | Chum | 544 | 0.3 | 10/16/08 | 43°55N | 144°40E | Trap net | M | 600 | 1900 | Shari, Okhotsk Sea coast, Hokkaido |
| - | - | NA1068 | 7/5/08 | 56°29N | 178°57E | Chum | 612 | 0.4 | 10/13/08 | 42°53N | 143°56E | River | F | - | - | Onbetsu River, Hokkaido |
| - | - | NA1072 | 7/5/08 | 56°29N | 178°57E | Chum | 584 | 0.3 | 9/22/08 | 44°01N | 144°17E | Trap net | M | 630 | 2500 | Abashiri, Okhotsk Sea coast, Hokkaido |
| - | - | NA1081 | 7/5/08 | 56°29N | 178°57E | Chum | 568 | 0.3 | 9/28/08 | 42°01N | 143°09E | Trap net | F | 610 | 2100 | Erimo, Pacific coast, Hokkaido |
| - | - | NA1082 | 7/5/08 | 56°29N | 178°57E | Chum | 551 | 0.3 | 10/29/08 | 44°01N | 145°12E | Trap net | F | - | - | Rausu, Nemuro Strait, Hokkaido |
| - | - | NA1087 | 7/5/08 | 56°29N | 178°57E | Chum | 592 | 0.4 | 10/2/08 | 42°17N | 143°19E | Trap net | - | 615 | 2500 | Hiroo, Pacific coast, Hokkaido |
| - | - | NA1094 | 7/5/08 | 56°29N | 178°57E | Chum | 637 | 0.4 | 9/25/08 | 44°01N | 144°17E | Trap net | F | 680 | 3400 | Abashiri, Okhotsk Sea coast, Hokkaido |
| - | - | NA1100 | 7/5/08 | 56°29N | 178°57E | Chum | 600 | 0.3 | 10/4/08 | 44°01N | 144°17E | Trap net | M | 640 | 2700 | Abashiri, Okhotsk Sea side, Hokkaido |
| - | - | NA1120 | 7/5/08 | 56°29N | 178°57E | Chum | 556 | 0.3 | 11/15/08 | 43°40N | 145°08E | River | F | 590 | 1750 | Shibetsu River, Hokkaido |
| - | - | NA1182 | 7/6/08 | 56°27N | 178°02E | Chum | 592 | 0.4 | 10/7/08 | 44°01N | 145°12E | Trap net | - | - | - | Rausu, Nemuro Strait, Hokkaido |
| - | - | NA1202 | 7/6/08 | 56°27N | 178°02E | Chum | 564 | 0.3 | 10/20/08 | 42°57N | 144°32E | Trap net | F | - | 2200 | Konbumori, Pacific coast, Hokkaido |
| - | - | NA1242 | 7/7/08 | 56°32N | 177°06E | Chum | 604 | 0.4 | 10/6/08 | 44°01N | 145°12E | Trap net | - | - | - | Rausu, Nemuro Strait, Hokkaido |
| - | - | NA1244 | 7/7/08 | 56°32N | 177°06E | Chum | 568 | 0.4 | 10/28/08 | 42°25N | 143°24E | Trap net | M | 560 | 1900 | Taiki, Pacific coast, Hokkaido |
| - | - | NA1248 | 7/7/08 | 56°32N | 177°06E | Chum | 610 | 0.4 | 9/29/08 | 44°01N | 144°17E | Trap net | F | 640 | 3100 | Abashiri, Okhotsk Sea side, Hokkaido |
| - | - | NA1256 | 7/7/08 | 56°32N | 177°06E | Chum | 584 | 0.3 | 10/1/08 | 43°34N | 145°13E | Trap net | F | - | 2300 | Notsuke, Nemuro Strait, Hokkaido |

Table 1. (Continued)

| Japan tag # | U.S. tag # | NPAFC tag # | Release | | | | | | Recovery | | | | | | | |
|----------------|---------------|----------------|---------|--------|---------|---------|-----|-----|----------|--------|---------|----------|-----|-----|------|--|
| | | | Date | Lat | Long | Species | FL | Age | Date | Lat | Long | Gear | Sex | FL | BW | Location |
| - | - | NA1272 | 7/7/08 | 56°32N | 177°06E | Chum | 585 | 0.4 | 10/4/08 | 43°40N | 145°08E | Trap net | M | 620 | 2400 | Shibetsu, Nemuro Strait, Hokkaido |
| - | - | NA1274 | 7/7/08 | 56°32N | 177°06E | Chum | 626 | 0.4 | 10/13/08 | 42°59N | 144°23E | Trap net | F | - | - | Kushiro, Pacific coast, Hokkaido |
| - | - | NA1275 | 7/7/08 | 56°32N | 177°06E | Chum | 604 | 0.4 | 9/18/08 | 43°34N | 145°13E | Trap net | M | - | 2700 | Notsuke, Nemuro Strait, Hokkaido |
| - | - | NA1312 | 7/7/08 | 56°32N | 177°06E | Chum | 622 | 0.4 | 10/22/08 | 43°40N | 145°08E | Trap net | M | - | 2600 | Shibetsu, Nemuro Strait, Hokkaido |
| - | - | NA1321 | 7/7/08 | 56°32N | 177°06E | Chum | 556 | 0.3 | 9/29/08 | 44°01N | 145°12E | Trap net | - | - | - | Rausu, Nemuro Strait, Hokkaido |
| - | - | NA1347 | 7/8/08 | 57°29N | 176°57E | Chum | 534 | 0.3 | 11/7/08 | 43°55N | 144°40E | Trap net | M | 570 | 1400 | Shari, Okhotsk Sea coast, Hokkaido |
| - | - | NA1381 | 7/9/08 | 57°29N | 176°07E | Chum | 604 | 0.4 | 10/28/08 | 44°01N | 145°12E | Trap net | - | - | - | Rausu, Nemuro Strait, Hokkaido |
| - | - | NA1389 | 7/9/08 | 57°29N | 176°07E | Chum | 530 | 0.3 | 11/6/08 | 43°20N | 145°45E | Trap net | M | - | - | Habomai, Pacific coast, Hokkaido |
| - | - | NA1391 | 7/9/08 | 57°29N | 176°07E | Chum | 544 | 0.4 | 11/19/08 | 44°01N | 144°17E | Trap net | - | - | - | Abashiri, Okhotsk Sea side, Hokkaido |
| - | - | NA1406 | 7/9/08 | 57°29N | 176°07E | Chum | 514 | 0.2 | 10/15/08 | 44°14N | 143°37E | Trap net | M | 560 | 1800 | Yubetsu, Okhotsk Sea coast, Hokkaido |
| - | - | NA1431 | 7/9/08 | 57°29N | 176°07E | Chum | 602 | 0.4 | 10/1/08 | 43°34N | 145°13E | Trap net | F | - | 2100 | Notsuke, Nemuro Strait, Hokkaido |
| - | - | NA1432 | 7/9/08 | 57°29N | 176°07E | Chum | 640 | 0.5 | 9/30/08 | 43°55N | 144°40E | Trap net | M | 800 | 4500 | Shari, Okhotsk Sea coast, Hokkaido |
| - | - | NA1441 | 7/9/08 | 57°29N | 176°07E | Chum | 580 | 0.3 | 10/6/08 | 43°55N | 144°40E | Trap net | M | 580 | 2300 | Shari, Okhotsk Sea coast, Hokkaido |
| - | - | NA1442 | 7/9/08 | 57°29N | 176°07E | Chum | 590 | 0.4 | 10/9/08 | 42°00N | 143°10E | H&L | M | 630 | 3600 | Utabetu, Pacific coast, Hokkaido |
| - | - | NA1460 | 7/9/08 | 57°29N | 176°07E | Chum | 541 | 0.3 | 10/8/08 | 44°01N | 144°17E | Trap net | M | 570 | 2100 | Abashiri, Okhotsk Sea side, Hokkaido |
| - | - | NA1463 | 7/9/08 | 57°29N | 176°07E | Chum | 650 | 0.4 | 9/29/08 | 42°38N | 141°37E | Trap net | - | - | - | Tomakomai, Pacific coast, Hokkaido |
| - | - | NA1483 | 7/9/08 | 57°29N | 176°07E | Chum | 631 | 0.4 | 10/25/08 | 44°01N | 145°12E | Trap net | F | - | - | Rausu, Nemuro Strait, Hokkaido |
| - | - | NA1485 | 7/9/08 | 57°29N | 176°07E | Chum | 594 | 0.3 | 10/31/08 | 44°23N | 143°19E | Trap net | F | 612 | 1711 | Shokotsu, Okhotsk Sea side, Hokkaido |
| MM3940 | - | NA3940 | 7/7/09 | 57°30N | 177°00E | Pink | 463 | 0.1 | 07/29/09 | 58°45N | 162°35E | Trap net | F | 500 | 1160 | 3.17 km south from mouth of r. Dranka, Karaginskiy bay, East Kamtchatka |
| MM3788 | - | NA3788 | 7/5/09 | 56°30N | 179°00E | Pink | 456 | 0.1 | 07/26/09 | 58°25N | 162°10E | Trap net | M | 450 | 1140 | 15.8 km north from mouth r. Rusakova, Karaginskiy bay, East Kamtchatka |
| MM3743 | - | NA3743 | 7/5/09 | 56°30N | 179°00E | Pink | 444 | 0.1 | 07/25/09 | 58°44N | 162°32E | Trap net | F | 420 | 960 | 5.9 km south from mouth of r. Dranka, Karaginskiy bay, East Kamtchatka |
| MM3674 | - | NA3674 | 7/4/09 | 56°30N | 179°00W | Pink | 431 | 0.1 | 07/29/09 | 58°45N | 162°35E | Trap net | M | 500 | 920 | 3.17 km south from mouth of r. Dranka, Karaginskiy bay, East Kamtchatka |
| KK3740 | - | NA3240 | 6/29/09 | 57°30N | 180°00 | Pink | 446 | 0.1 | 07/09/09 | 59°30N | 163°10E | Trap net | F | 425 | 880 | 2.9 km north from mouth r. Timlat, Karaginskiy bay, East Kamtchatka |
| MM3720 | - | NA3720 | 7/5/09 | 56°30N | 179°00E | Pink | 452 | 0.1 | 08/01/09 | 58°05N | 161°56E | River | F | - | - | r. Hailula, Karaginskiy bay, East Kamtchatka |
| KK3538 | - | NA3038 | 6/26/09 | 54°30N | 180°00 | Pink | 442 | 0.1 | 07/22/09 | 58°10N | 162°05E | Trap net | F | 445 | 1020 | Trap net near from mouth of r. Hailula, Karaginskiy bay, East Kamtchatka |
| MM3786 | - | NA3786 | 7/5/09 | 56°30N | 179°00E | Pink | 448 | 0.1 | 07/21/09 | 60°29N | 169°22E | Trap net | F | 440 | 1030 | Karaginskiy bay, East Kamtchatka |

Table. 1. (Continued)

| Japan tag # | U.S. tag # | NPAFC tag # | Release | | | | | | Recovery | | | | | | | |
|----------------|---------------|----------------|---------|--------|--------|---------|-----|-----|----------|--------|---------|----------|-----|------|------|--|
| | | | Date | Lat | Long | Species | FL | Age | Date | Lat | Long | Gear | Sex | FL | BW | Location |
| KK3416 | - | NA2916 | 6/26/09 | 54°30N | 180°00 | Pink | 453 | 0.1 | 07/15/09 | 58°10N | 162°05E | Trap net | M | 445 | 1030 | Trap net near from mouth of r. Hailula, Karaginskiy bay, East Kamtchatka |
| KK3573 | | NA3073 | 6/27/09 | 55°30N | 180°00 | Sockeye | 620 | 1.3 | 08/15/09 | 52°55N | 157°10E | River | M | ~500 | - | r. Plotnikova, Central part of south Kamtchatka |

Table 2. Number of salmon caught by longline and number of fish tagged and released by the research vessels through September, 2009. LL: longline (30 hachi/operation), BS: Bering Sea, CNP: Central North Pacific. Date is the date on the west side of the international dateline.

| Region/ Vessel | Date | Latitude | Longitude | Gear | Number of fish caught | | | | | | Number of fish released | | | | | | | |
|-------------------|-------|----------|-----------|------|-----------------------|------|------|------|------|-----------|-------------------------|------|------|------|------|-----------|----|---|
| | | | | | Sock | Chum | Pink | Coho | Chin | SteelDoll | Sock | Chum | Pink | Coho | Chin | SteelDoll | | |
| CNP | 6/12 | 43°00N | 180°00 | LL | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| <i>Wakatake</i> | 6/13 | 44°00N | 180°00 | LL | 0 | 4 | 0 | 2 | 0 | 2 | 0 | 0 | 4 | 0 | 1 | 0 | 1 | 0 |
| <i>maru</i> | 6/16 | 45°00N | 180°00 | LL | 0 | 9 | 1 | 20 | 0 | 5 | 0 | 0 | 9 | 1 | 16 | 0 | 5 | 0 |
| | 6/17 | 46°00N | 180°00 | LL | 0 | 18 | 0 | 13 | 0 | 3 | 0 | 0 | 18 | 0 | 11 | 0 | 3 | 0 |
| | 6/18 | 47°00N | 180°00 | LL | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| | 6/19 | 47°30N | 180°00 | LL | 1 | 27 | 1 | 14 | 2 | 1 | 0 | 1 | 24 | 1 | 11 | 2 | 1 | 0 |
| | 6/20 | 48°30N | 180°00 | LL | 0 | 3 | 2 | 6 | 0 | 0 | 0 | 0 | 3 | 1 | 5 | 0 | 0 | 0 |
| | 6/21 | 49°30N | 180°00 | LL | 0 | 3 | 4 | 7 | 0 | 1 | 0 | 0 | 3 | 3 | 7 | 0 | 1 | 0 |
| | 6/22 | 50°30N | 180°00 | LL | 2 | 18 | 10 | 0 | 0 | 0 | 0 | 2 | 16 | 10 | 0 | 0 | 0 | 0 |
| | Total | | | | 3 | 85 | 19 | 62 | 2 | 12 | 0 | 3 | 80 | 17 | 51 | 2 | 11 | 0 |
| BS | 6/23 | 51°30N | 180°00 | LL | 0 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 0 | 0 | 0 | 0 |
| <i>Wakatake</i> | 6/24 | 52°30N | 180°00 | LL | 11 | 16 | 57 | 0 | 1 | 0 | 0 | 11 | 13 | 52 | 0 | 1 | 0 | 0 |
| <i>maru</i> | 6/25 | 53°30N | 180°00 | LL | 19 | 40 | 81 | 0 | 0 | 0 | 0 | 18 | 30 | 56 | 0 | 0 | 0 | 0 |
| | 6/26 | 54°30N | 180°00 | LL | 4 | 46 | 186 | 0 | 0 | 0 | 0 | 4 | 37 | 151 | 0 | 0 | 0 | 0 |
| | 6/27 | 55°30N | 180°00 | LL | 4 | 6 | 28 | 0 | 0 | 0 | 0 | 4 | 5 | 23 | 0 | 0 | 0 | 0 |
| | 6/28 | 56°30N | 180°00 | LL | 3 | 5 | 114 | 0 | 0 | 0 | 0 | 3 | 4 | 92 | 0 | 0 | 0 | 0 |
| | 6/29 | 57°30N | 180°00 | LL | 3 | 10 | 198 | 0 | 0 | 0 | 0 | 3 | 9 | 176 | 0 | 0 | 0 | 0 |
| | 6/30 | 58°30N | 180°00 | LL | 8 | 4 | 112 | 0 | 1 | 0 | 0 | 8 | 4 | 96 | 0 | 1 | 0 | 0 |
| | 7/01 | 57°30N | 179°00W | LL | 1 | 9 | 44 | 0 | 1 | 0 | 0 | 1 | 9 | 42 | 0 | 0 | 0 | 0 |
| | 7/02 | 57°30N | 178°00W | LL | 5 | 14 | 67 | 0 | 0 | 0 | 0 | 5 | 12 | 60 | 0 | 0 | 0 | 0 |
| | 7/03 | 56°30N | 178°00W | LL | 3 | 10 | 35 | 0 | 0 | 0 | 0 | 3 | 8 | 28 | 0 | 0 | 0 | 0 |
| | 7/04 | 56°30N | 179°00W | LL | 3 | 28 | 47 | 0 | 1 | 0 | 0 | 2 | 20 | 47 | 0 | 1 | 0 | 0 |
| | 7/05 | 56°30N | 179°00E | LL | 8 | 21 | 167 | 0 | 0 | 0 | 0 | 8 | 21 | 146 | 0 | 0 | 0 | 0 |
| | 7/06 | 56°30N | 178°00E | LL | 5 | 15 | 22 | 0 | 0 | 0 | 0 | 4 | 14 | 19 | 0 | 0 | 0 | 0 |
| | 7/07 | 57°30N | 177°00E | LL | 10 | 28 | 108 | 0 | 1 | 0 | 0 | 4 | 19 | 54 | 0 | 1 | 0 | 0 |
| | Total | | | | 87 | 254 | 1270 | 0 | 5 | 0 | 0 | 78 | 207 | 1046 | 0 | 4 | 0 | 0 |
| Total | | | | | 90 | 339 | 1289 | 62 | 7 | 12 | 0 | 81 | 287 | 1063 | 51 | 6 | 11 | 0 |

Table 3. Numbers of disk tags, data storage tags, and passive integrated transponder (PIT) tags placed on Pacific salmon and steelhead trout and released through September, 2009. BS: Bering Sea, CNP: central North Pacific. Release date is the date on the west side of the international dateline.

| Region/ vessel | Date | Location | | Disk tags | | N. fish | Data storage tag | | PIT tag N. fish |
|--------------------------|--------------|----------|-------------|--------------|--------------|-------------|------------------|----------|--------------------|
| | | | | FAJ | NPAFC | | Tag No. | N. fish | |
| CNP | 6/12 | 43°00N | 180°00 | KK3001-3002 | NA2501-2502 | 2 | | | |
| <i>Wakatake maru</i> | 6/13 | 44°00N | 180°00 | KK3003-3008 | NA2503-2508 | 6 | | | 2 |
| | 6/16 | 45°00N | 180°00 | KK3009-3039 | NA2509-2539 | 31 | | | 21 |
| | 6/17 | 46°00N | 180°00 | KK3040-3072* | NA2540-2672* | 32 | | | 14 |
| | 6/18 | 47°00N | 180°00 | KK3073-3074 | NA2573-2574 | 2 | | | |
| | 6/19 | 47°30N | 180°00 | KK3075-3114 | NA2575-2614 | 40 | LAT0614, 0615 | 2 | 14 |
| | 6/20 | 48°30N | 180°00 | KK3115-3123 | NA2615-2623 | 9 | | | 5 |
| | 6/21 | 49°30N | 180°00 | KK3124-3137 | NA2624-2637 | 14 | | | 8 |
| | 6/22 | 50°30N | 180°00 | KK3138-3165 | NA2638-2665 | 28 | | | |
| | Total | | | | | | 164 | | 2 |
| BS | 6/23 | 51°30N | 180°00 | KK3166-3171 | NA2666-2671 | 6 | | | |
| <i>Wakatake maru</i> | 6/24 | 52°30N | 180°00 | KK3172-3248 | NA2672-2748 | 77 | LAT0766 | 1 | |
| | 6/25 | 53°30N | 180°00 | KK3249-3352 | NA2749-2852 | 104 | | | |
| | 6/26 | 54°30N | 180°00 | KK3353-3544 | NA2853-3044 | 192 | | | |
| | 6/27 | 55°30N | 180°00 | KK3545-3576 | NA3045-3076 | 32 | | | |
| | 6/28 | 56°30N | 180°00 | KK3577-3675 | NA3077-3175 | 99 | | | |
| | 6/29 | 57°30N | 180°00 | KK3676-3863 | NA3176-3363 | 188 | | | |
| | 6/30 | 58°30N | 180°00 | KK3864-3972 | NA3364-3472 | 109 | LAT0767 | 1 | |
| | 7/01 | 57°30N | 179°00W | KK3973-4000 | NA3473-3524 | 52 | | | |
| | 7/02 | 57°30N | 178°00W | MM3501-3524 | NA3525-3601 | 77 | | | |
| | 7/03 | 56°30N | 178°00W | MM3602-3640 | NA3602-3640 | 39 | | | |
| | 7/04 | 56°30N | 179°00W | MM3641-3710 | NA3641-3710 | 70 | LAT0770 | 1 | |
| 7/05 | 56°30N | 179°00E | MM3711-3885 | NA3711-3885 | 175 | | | | |
| 7/06 | 56°30N | 178°00E | MM3886-3922 | NA3886-3922 | 37 | | | | |
| 7/07 | 57°30N | 177°00E | MM3923-4000 | NA3923-4000 | 78 | LAT0771 | 1 | | |
| Total | | | | | | 1335 | | 4 | 0 |
| Total | | | | | | 1499 | | 6 | 64 |

*KK3064, NA2564 not used.

Table 4. Disk-tagged coho and Chinook salmon and steelhead released after placing a PIT tag in the visceral cavity. These tagging operations were conducted onboard the R/V *Wakatake maru* in 2009 in the central North Pacific. DST=temperature and depth-recording data storage tag. It was noted when a fish had a clipped adipose fin, which likely indicated the fish originated in a hatchery. Release date is the date on the west side of the international dateline.

| PIT Tag No. | FAJ Disk No | NPAFC Disk No | DST No | Species | Release Date | Release Location | Fork Length (mm) | Comment |
|-------------|----------------|------------------|-----------|-----------|-----------------|---------------------|------------------------|--------------|
| 1BF127032F | KK3007 | NA2507 | - | coho | 20090613 | 44°00N 180°00 | 540 | |
| 1BF1270158 | KK3008 | NA2508 | - | steelhead | 20090613 | 44°00N 180°00 | 602 | |
| 1BF1279072 | KK3015 | NA2515 | - | steelhead | 20090616 | 45°00N 180°00 | 544 | Adipose Clip |
| 1BF127A6A1 | KK3016 | NA2516 | - | steelhead | 20090616 | 45°00N 180°00 | 591 | Adipose Clip |
| 1BF1270772 | KK3017 | NA2517 | - | steelhead | 20090616 | 45°00N 180°00 | 520 | Adipose Clip |
| 1BF126F576 | KK3018 | NA2518 | - | steelhead | 20090616 | 45°00N 180°00 | 658 | Adipose Clip |
| 1BF126EE3C | KK3020 | NA2520 | - | coho | 20090616 | 45°00N 180°00 | 511 | |
| 1BF126EF10 | KK3021 | NA2521 | - | coho | 20090616 | 45°00N 180°00 | 503 | |
| 1BF12702A0 | KK3023 | NA2523 | - | coho | 20090616 | 45°00N 180°00 | 536 | |
| 1BF126EEE3 | KK3025 | NA2525 | - | coho | 20090616 | 45°00N 180°00 | 544 | |
| 1BF126FD36 | KK3026 | NA2526 | - | coho | 20090616 | 45°00N 180°00 | 573 | |
| 1BF126F37A | KK3027 | NA2527 | - | coho | 20090616 | 45°00N 180°00 | 524 | |
| 1BF127BAB2 | KK3028 | NA2528 | - | coho | 20090616 | 45°00N 180°00 | 534 | |
| 1BF126EC00 | KK3029 | NA2529 | - | steelhead | 20090616 | 45°00N 180°00 | 565 | Adipose Clip |
| 1BF1279C7A | KK3030 | NA2530 | - | coho | 20090616 | 45°00N 180°00 | 505 | |
| 1BF1273324 | KK3032 | NA2532 | - | coho | 20090616 | 45°00N 180°00 | 536 | |
| 1BF127A893 | KK3033 | NA2533 | - | coho | 20090616 | 45°00N 180°00 | 524 | |
| 1BF1279569 | KK3034 | NA2534 | - | coho | 20090616 | 45°00N 180°00 | 483 | |
| 1BF126F322 | KK3035 | NA2535 | - | coho | 20090616 | 45°00N 180°00 | 510 | |
| 1BF1272F26 | KK3036 | NA2536 | - | coho | 20090616 | 45°00N 180°00 | 506 | |
| 1BF126F9CF | KK3037 | NA2537 | - | coho | 20090616 | 45°00N 180°00 | 526 | |
| 1BF126FBB1 | KK3038 | NA2538 | - | coho | 20090616 | 45°00N 180°00 | 470 | |
| 1BF1279B53 | KK3039 | NA2539 | - | coho | 20090616 | 45°00N 180°00 | 480 | |
| 1BF126FB6D | KK3044 | NA2544 | - | steelhead | 20090617 | 46°00N 180°00 | 569 | Adipose Clip |
| 1BF126F548 | KK3045 | NA2545 | - | coho | 20090617 | 46°00N 180°00 | 482 | |
| 1BF127AB5D | KK3050 | NA2550 | - | coho | 20090617 | 46°00N 180°00 | 563 | |
| 1BF127A24C | KK3051 | NA2551 | - | coho | 20090617 | 46°00N 180°00 | 518 | |
| 1BF127069A | KK3052 | NA2552 | - | steelhead | 20090617 | 46°00N 180°00 | 629 | Adipose Clip |
| 1BF127BD58 | KK3053 | NA2553 | - | coho | 20090617 | 46°00N 180°00 | 473 | |
| 1BF1265E63 | KK3055 | NA2555 | - | coho | 20090617 | 46°00N 180°00 | 500 | |
| 1BF1274B20 | KK3062 | NA2562 | - | coho | 20090617 | 46°00N 180°00 | 464 | |
| 1BF127A9AB | KK3063 | NA2563 | - | coho | 20090617 | 46°00N 180°00 | 498 | |
| 1BF127B3DA | KK3066 | NA2566 | - | steelhead | 20090617 | 46°00N 180°00 | 718 | Adipose Clip |
| 1BF1270423 | KK3067 | NA2567 | - | coho | 20090617 | 46°00N 180°00 | 490 | |
| 1BF12701A7 | KK3068 | NA2568 | - | coho | 20090617 | 46°00N 180°00 | 535 | |
| 1BF1270F12 | KK3069 | NA2569 | - | coho | 20090617 | 46°00N 180°00 | 467 | |
| 1BF1279C85 | KK3070 | NA2670 | - | coho | 20090617 | 46°00N 180°00 | 502 | |
| 1BF1271207 | KK3080 | NA2580 | - | coho | 20090619 | 47°30N 180°00 | 498 | |
| 1BF126EE70 | KK3081 | NA2581 | - | coho | 20090619 | 47°30N 180°00 | 465 | |
| 1BF126F802 | KK3084 | NA2584 | - | coho | 20090619 | 47°30N 180°00 | 481 | |
| 1BF1267BB6 | KK3086 | NA2586 | 614 | Chinook | 20090619 | 47°30N 180°00 | 558 | |
| 1BF1278C20 | KK3091 | NA2591 | - | coho | 20090619 | 47°30N 180°00 | 475 | |
| 1BF126F7A5 | KK3092 | NA2592 | - | coho | 20090619 | 47°30N 180°00 | 436 | |
| 1BF127A138 | KK3096 | NA2596 | - | coho | 20090619 | 47°30N 180°00 | 466 | |
| 1BF127A6A7 | KK3097 | NA2597 | - | coho | 20090619 | 47°30N 180°00 | 556 | |
| 1BF126EEED | KK3098 | NA2598 | - | coho | 20090619 | 47°30N 180°00 | 560 | |

Table 4. (Continued)

| PIT Tag No. | FAJ Disk No | NPAFC Disk No | DST No | Species | Release Date | Release Location | Fork Length (mm) | Comment |
|-------------|----------------|------------------|-----------|-----------|-----------------|---------------------|------------------------|--------------|
| 1BF127941E | KK3099 | NA2599 | - | coho | 20090619 | 47°30N 180°00 | 516 | |
| 1BF1279FE5 | KK3100 | NA2600 | - | coho | 20090619 | 47°30N 180°00 | 453 | |
| 1BF127A510 | KK3101 | NA2601 | 615 | Chinook | 20090619 | 47°30N 180°00 | 696 | |
| 1BF127ADCD | KK3102 | NA2602 | - | steelhead | 20090619 | 47°30N 180°00 | 516 | |
| 1BF127EB11 | KK3110 | NA2610 | - | coho | 20090619 | 47°30N 180°00 | 554 | |
| 1BF126F325 | KK3115 | NA2615 | - | coho | 20090620 | 48°30N 180°00 | 555 | |
| 1BF1271096 | KK3117 | NA2617 | - | coho | 20090620 | 48°30N 180°00 | 474 | |
| 1BF126ED7C | KK3118 | NA2618 | - | coho | 20090620 | 48°30N 180°00 | 482 | |
| 1BF127DEB6 | KK3119 | NA2619 | - | coho | 20090620 | 48°30N 180°00 | 464 | |
| 1BF1279D44 | KK3121 | NA2621 | - | coho | 20090620 | 48°30N 180°00 | 543 | |
| 1BF12745E8 | KK3125 | NA2625 | - | coho | 20090621 | 49°30N 180°00 | 529 | |
| 1BF127B62D | KK3126 | NA2626 | - | coho | 20090621 | 49°30N 180°00 | 620 | |
| 1BF127EE9E | KK3127 | NA2627 | - | coho | 20090621 | 49°30N 180°00 | 504 | |
| 1BF127BB01 | KK3128 | NA2628 | - | coho | 20090621 | 49°30N 180°00 | 472 | |
| 1BF126FC69 | KK3130 | NA2630 | - | coho | 20090621 | 49°30N 180°00 | 499 | |
| 1BF127D4FC | KK3132 | NA2632 | - | coho | 20090621 | 49°30N 180°00 | 581 | |
| 1BF126FB73 | KK3133 | NA2633 | - | steelhead | 20090621 | 49°30N 180°00 | 562 | Adipose Clip |
| 1BF126EAA9 | KK3135 | NA2635 | - | coho | 20090621 | 49°30N 180°00 | 545 | |