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# OVERWINTER FISH USE OF TESHEKPUK LAKE, AS DETERMINED BY SEASONAL OCCURRENCE OF FISH IN THE MIGUAKIAK RIVER

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**February 2004**

## INTRODUCTION

Freshwater and anadromous fish species in the National Petroleum Reserve – Alaska (NPRA) provide a significant subsistence fishery for the villages of Atqasuk, Nuiqsut, and Barrow. Studies of subsistence fisheries in the Barrow area have reported annual harvests of close to 30,000 kg (Underwood et al. 1978, Braund et al. 1988). Despite the well-recognized importance of subsistence fisheries to the people of the area, few studies other than those directly related to oil development have examined these fisheries or associated habitats. Most studies in the NPRA have focused on surveying fish communities and habitats directly related to petroleum leases and have focused on the area immediately affected by the development. Examples include the Endicott Development Fish studies and Alpine Development-related studies in the Colville River Delta.

Most subsistence harvest for Barrow occurs in the Dease Inlet/Admiralty Bay area (Philo et al. 1993). The area consists of a complex network of interconnected streams and lakes that drain into Admiralty Bay (Philo et al. 1993). Five major river systems – the Chipp, Alaktak, Topagoruk, Meade, and Inaru rivers– drain into the Bay. Teshekpuk Lake, the third largest lake in Alaska, is connected to the Dease Inlet/Admiralty Bay system by way of the Ipikpuk/Chipp River system. Teshekpuk Lake's only outlet, the Miguakiak River, is a tributary of the Ikpikpuk River.

Previous work in Teshekpuk Lake has indicated that the lake does not provide particularly important summer habitat for fish, likely because water temperatures remain too cold (Philo et al. 1993); however, the lake's value as overwintering habitat has not yet been investigated. In the Arctic, free water is reduced by nearly 95% in winter and becomes a scarce, critical resource (Craig 1989). In contrast, the large volume of Teshekpuk Lake that is deeper than 6-7 feet (typical maximum ice thicknesses) may provide significant overwintering fish habitat.

## STUDY GOALS AND OBJECTIVES

The primary goal of this research is to determine the extent of wintertime use by anadromous and resident fish in Teshekpuk Lake. Secondarily, fisheries information collected during this study will allow for comparison with past and future data collected in the area to examine trends in fisheries resources over time.

## METHODS

### General Study Design

Wintertime use by fish in Teshekpuk Lake will be examined using two complementary studies: 1) seasonal studies of fish use of the Miguakiak and/or Ikpikpuk rivers and 2)

radio tracking movements of broad whitefish caught and tagged in the Miguakiak and/or Ikpikpuk rivers (to be designed and conducted by ADFG with support from this study).

**Study Area and Seasons**

Three sampling stations on the Miguakiak and/or Ikpikpuk rivers will be selected based on suitability for efficiently maintaining a fyke net. These sites will be sampled with fyke nets and gill nets for two-week periods during each of three seasons: breakup, summer feeding, and pre-ice up. Sampling during break up was conducted from June 23 to 28, sampling during summer feeding was from July 22 to 28, and sampling during pre-ice up was from August 24-25.

**Target Species**

Target species included broad whitefish, least cisco, Bering cisco, Arctic grayling, humpback whitefish, and lake trout. Broad whitefish were of particular interest to this study because of their importance as a regional subsistence fish, migratory behavior, and relatively high summertime abundance in Teshekpuk Lake (second only to least cisco; Philo et al. 1993).

**Field Methods**

Fyke nets were set at 15 stations. Each net was tended daily. Fish from fyke nets were removed and placed into holding pens. Fish were anesthetized using clove oil and then biological information will be recorded, including species and fork length. Target species of appropriate size were Floy tagged to provide additional behavioral and movement data upon recapture. Some fish were retained for dissection, genetics and contaminants analysis (in support of other studies) and most released with standard Floy tags.

Water chemistry, including conductivity, dissolved oxygen, water temperature and turbidity, were measured at the end of each set.

## RESULTS

Tables summarizing results of the 2003 sampling are attached. A total of 1,489 fish from 10 species were captured. The catch resulted from about 712 hrs of fyke net sampling, with an additional 13.7 hrs of gill net and 6.0 hrs of trammel net sampling. A total of 477 fish were released with Floy anchor tags, including 352 broad whitefish, 96 grayling, 14 burbot, 7 humpback whitefish, 5 least cisco and 3 northern pike.

## LITERATURE CITED

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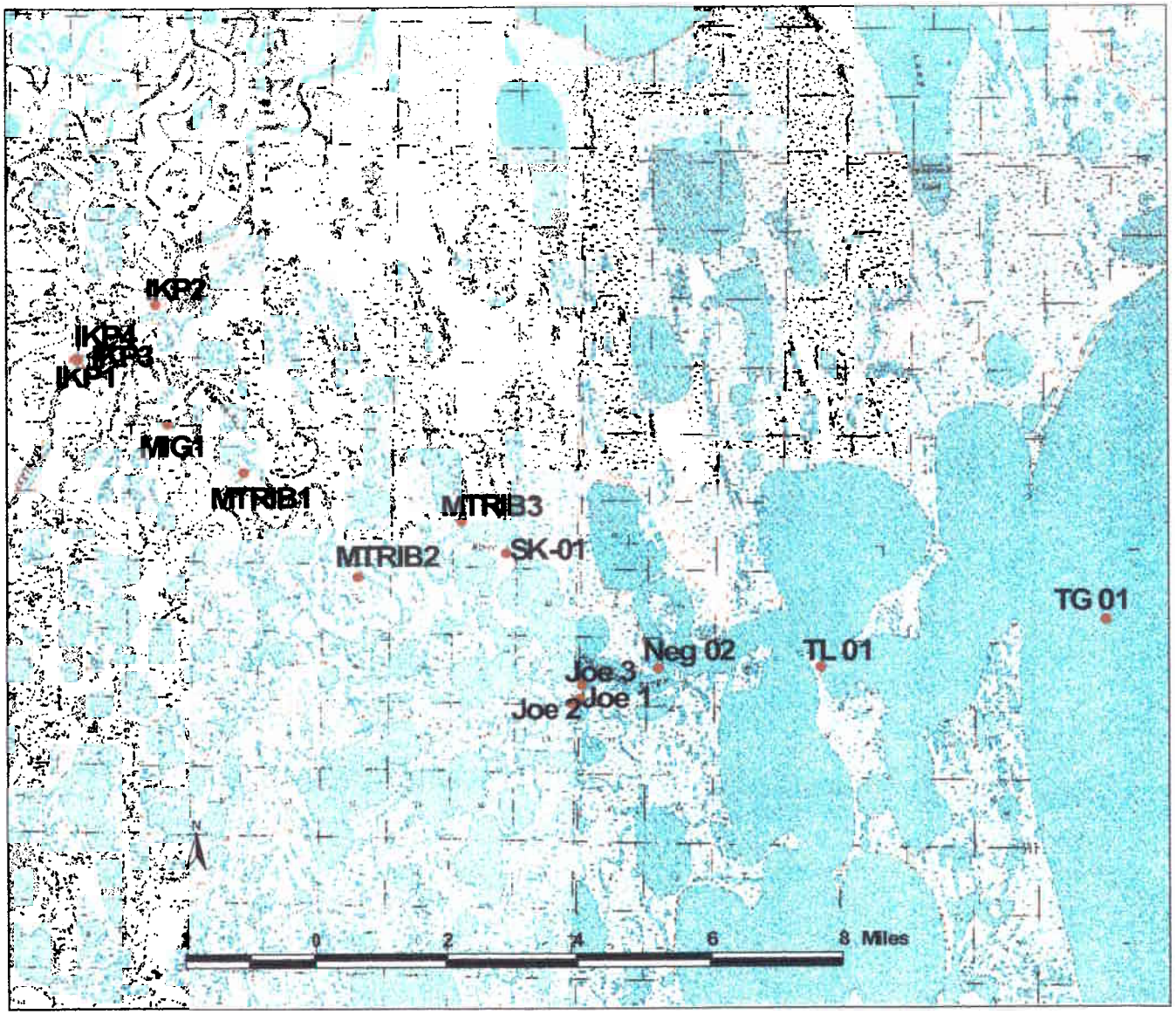


Figure 1. Stations sampled during Teshekpuk Lake area fish sampling, 2003.

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Table 1. Stations sampled during 2003 sampling in the Miguakiak River. (locations in WGS84 datum)

| Stations | Location. | Latitude | Longitude | Dates Sampled |
|---|---|---|---|---|
| IKP1 | Ikpikpuk R. | 70° 42.180' | 154° 32.128' | June 24-26 |
| IKP2 | Ikpikpuk R. | 70° 42.909' | 154° 29.148' | June 23-25 |
| IKP3 | Ikpikpuk R. | 70° 42.203' | 154° 32.203' | June 23 |
| IKP4 | Ikpikpuk R. | 70° 42.204' | 154° 32.144' | June 23 |
| MIG1 | Miguakiak R. | 70° 41.394' | 154° 28.560' | June 25-26 |
| MTRIB1 (Nigligaak | Tributary of Miguakiak | 70° 40.795' | 154° 25.435' | June 26-28 |
| | | | | July 26-27 |
| MTRIB2 | Tributary of Miguakiak | 70° 39.495' | 154° 20.771' | June 26-28 |
| MTRIB3 | Tributary of Miguakiak | 70° 40.209' | 154° 16.764' | June 26-28 |
| | | | | July 23-28 |
| | | | | August 24 |
| Joe 1 | Tributary of Miguakiak | 70° 38.001' | 154° 11.880' | July 22-25 |
| Joe 2 | Tributary of Miguakiak | 70° 37.952' | 154° 12.195' | July 23-25 |
| Joe 3 | Tributary of Miguakiak | 70° 38.169' | 154° 11.803' | July 26-27 |
| | | | | August 24-25 |
| Neg 02 | Teshekpuk L | 70° 38.411' | 154° 08.860' | July 22 |
| SK-01 | Miguakiak R. | 70° 39.834' | 154° 14.940' | July 21 |
| TG 01 | Teshekpuk L | 70° 39.115' | 153° 51.194' | July 24 |
| TL 01 | Teshekpuk L | 70° 38.461' | 154° 02.461' | July 25 |



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Table 2. Water chemistry parameters measured at each station sampled during the 2003 Teshekpuk Lake fish survey.

| Station | Date | Time | Water Temperature (°C) | Dissolved Oxygen (mg/l) | Dissolved Oxygen (% Sat.) | Specific Conductance (microS/cm) | Turbidity (NTU) |
|---|---|---|---|---|---|---|---|
| IKP1 | 6/24/2003 | 16:00 | 11.7 | 10.7 | 98.2 | 120.2 | 13.6 |
| | 6/25/2003 | 16:15 | 10.7 | 10.8 | 98.3 | 122.7 | |
| | 6/26/2003 | 14:35 | 12.2 | 11.4 | 103.8 | 118.5 | 10.7 |
| IKP2 | 6/23/2003 | 19:15 | 10.1 | 11.2 | 97.3 | 216.1 | 9.8 |
| | 6/24/2003 | 16:40 | 9.1 | 11.4 | 98.2 | 219.0 | 11.3 |
| | 6/25/2003 | 16:40 | 9.1 | 11.4 | 98.2 | 219.0 | |
| IKP3 | 6/23/2003 | 14:35 | 12.2 | 11.4 | 103.8 | 118.5 | 10.7 |
| IKP4 | 6/23/2003 | 14:35 | 12.2 | 11.4 | 103.8 | 118.5 | 9.8 |
| Joe 01 | 7/22/2003 | 15:30 | 17.2 | 8.9 | 98.6 | 230.2 | 0.8 |
| | 7/23/2003 | 12:30 | 14.0 | 8.6 | 83.0 | 234.2 | 1.0 |
| | 7/24/2003 | 12:00 | 13.0 | 9.3 | 88.0 | 230.5 | 1.0 |
| | 7/25/2003 | 20:45 | 11.5 | 9.7 | 89.0 | 221.9 | 0.8 |
| Joe 02 | 7/24/2003 | 12:45 | 12.9 | 8.0 | 77.4 | 232.3 | 1.0 |
| | 7/25/2003 | 21:45 | 11.6 | 7.8 | 71.9 | 233.2 | 1.8 |
| Joe 03 | 7/26/2003 | 15:30 | 8.8 | 7.9 | 68.6 | 221.1 | 1.0 |
| | 7/27/2003 | 12:45 | 7.6 | 11.0 | 92.1 | 235.9 | 1.0 |
| | 8/24/2003 | 12:15 | 5.8 | 10.9 | 88.1 | 246.3 | 0.8 |
| | 8/25/2003 | 12:30 | 4.8 | 12.5 | 97.2 | 242.6 | 0.5 |
| MIG1 | 6/25/2003 | 15:00 | 7.8 | 12.4 | 101.0 | 255.0 | |
| | 6/26/2003 | 12:00 | 8.3 | 11.7 | 99.4 | 288.4 | 2.7 |
| MTRIB1 | 6/26/2003 | 13:10 | 9.8 | 10.9 | 97.1 | 178.0 | 0.5 |
| | 6/27/2003 | 17:25 | 10.4 | 10.4 | 93.7 | 184.6 | 0.3 |
| | 6/28/2003 | 12:30 | 10.2 | 10.3 | 91.0 | 190.6 | 1.9 |
| | 7/26/2003 | 21:30 | 9.3 | 10.8 | 92.1 | 213.7 | 0.9 |
| | 7/27/2003 | 16:00 | 8.7 | 11.0 | 96.6 | 214.2 | 0.9 |
| MTRIB2 | 6/26/2003 | 17:15 | 10.8 | 11.6 | 104.6 | 132.8 | 0.9 |
| | 6/27/2003 | 14:28 | 9.4 | 11.8 | 101.9 | 133.2 | 0.7 |
| | 6/28/2003 | 11:50 | 8.6 | 11.5 | 99.0 | 134.5 | 0.6 |
| MTRIB3 | 6/26/2003 | 18:55 | 14.3 | 9.4 | 93.6 | 225.5 | |
| | 6/27/2003 | 11:05 | 8.3 | 9.2 | 79.2 | 202.6 | 1.6 |
| | 6/28/2003 | 10:45 | 9.2 | 9.9 | 86.0 | 206.5 | 1.5 |
| | 7/23/2003 | 17:35 | 13.8 | 4.5 | 43.8 | 169.7 | 5.0 |
| | 7/27/2003 | 21:45 | 9.2 | 10.8 | 94.3 | 215.5 | 5.3 |
| | 7/28/2003 | 16:15 | 7.3 | 10.9 | 90.8 | 209.1 | |
| | 8/24/2003 | 13:50 | 6.0 | 12.1 | 96.8 | 219.7 | 4.1 |
| Neg 02 | 7/22/2003 | 20:00 | no data | 4.1 | 41.7 | | 6.0 |
| TG 01 | 7/24/2003 | 16:00 | 9.5 | 9.9 | 86.4 | 104.4 | 2.9 |
| TL 01 | 7/25/2003 | 11:10 | 11.2 | 9.3 | 83.9 | 199.8 | 2.6 |



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Table 3. Number of fish caught by day at each fyke net station sampled in the Teshekpuk Lake study region, 2003.

IKP1 (Fyke Net)

| Species | 6/24/03 | 6/25/03 | 6/26/03 | Total |
|---|---|---|---|---|
| Broad whitefish | 7 | 2 | 26 | 35 |
| Burbot | 3 | 7 | 2 | 12 |
| Arctic grayling | 3 | | 18 | 21 |
| Humpback whitefish | 1 | 3 | | 4 |
| Least cisco | 9 | 9 | 31 | 49 |
| Ninespine stickleback | | | 1 | 1 |
| Slimy sculpin | | | 1 | 1 |
| Effort (hrs) | 26.2 | 24.3 | 89.1 | 139.6 |

IKP2 (Fyke Net)

| Species | 6/23/03 | 6/24/03 | 6/25/03 | Total |
|---|---|---|---|---|
| Broad whitefish | 1 | 1 | 1 | 3 |
| Burbot | | | 1 | 1 |
| Arctic grayling | 2 | | | 2 |
| Humpback whitefish | 2 | | | 2 |
| Least cisco | 2 | 3 | 1 | 6 |
| Effort (hrs) | 21.5 | 21.6 | 24.3 | 67.4 |

Joe 01 (Fyke Net)

| Species | 7/22/03 | 7/23/03 | 7/24/03 | 7/25/03 | Total |
|---|---|---|---|---|---|
| Broad whitefish | 3 | 3 | | 3 | 9 |
| Arctic grayling | 8 | 1 | 9 | 2 | 20 |
| Least cisco | 100 | 35 | 41 | 18 | 194 |
| Effort (hrs) | 19.5 | 23.6 | 32.4 | 16.7 | 92.3 |

Joe 02 (Fyke Net)

| Species | 7/23/03 | 7/24/03 | 7/25/03 | Total |
|---|---|---|---|---|
| Broad whitefish | 5 | | | 5 |
| Arctic grayling | 3 | | 1 | 4 |
| Least cisco | 40 | 119 | 10 | 169 |
| Effort (hrs) | 22.7 | 32.4 | 17.0 | 72.2 |

Joe 03 (Fyke Net)

| Species | 7/26/03 | 7/27/03 | 8/24/03 | 8/25/03 | Total |
|---|---|---|---|---|---|
| Broad whitefish | 8 | 8 | 34 | 14 | 64 |
| Arctic grayling | 1 | 1 | 7 | 24 | 33 |
| Least cisco | 7 | 37 | 55 | 13 | 112 |
| Slimy sculpin | | | | 1 | 1 |
| Effort (hrs) | 20.8 | 22.3 | 22.8 | 22.1 | 87.8 |



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Table 3. Number of fish caught by day at each fyke net station sampled in the Teshekpuk Lake study region, 2003.

MIG1 (Fyke Net)

| Species | 6/25/03 | 6/26/03 | Total |
|---|---|---|---|
| Arctic grayling | 5 | 0 | 5 |
| Least cisco | 1 | 0 | 1 |
| Effort (hrs) | 24.0 | 21.2 | 45.2 |

MTRIB1 (Fyke Net)

| Species | 6/26/03 | 6/27/03 | 6/28/03 | 7/26/03 | 7/27/03 | Total |
|---|---|---|---|---|---|---|
| Broad whitefish | 41 | 25 | 12 | 30 | 17 | 125 |
| Burbot | | 2 | 2 | | | 4 |
| Arctic grayling | 11 | 11 | 7 | 5 | 9 | 43 |
| Least cisco | 1 | | | 5 | 5 | 11 |
| Effort (hrs) | 18.6 | 27.6 | 19.9 | 17.8 | 22.8 | 106.7 |

MTRIB2 (Fyke Net)

| Species | 6/26/03 | 6/27/03 | 6/28/03 | Total |
|---|---|---|---|---|
| Broad whitefish | 5 | 3 | 2 | 10 |
| Arctic grayling | 10 | 18 | 9 | 37 |
| Least cisco | 1 | | 1 | 2 |
| Effort (hrs) | 21.1 | 20.7 | 21.3 | 63.1 |

MTRIB3 (Fyke Net)

| Species | 6/26/03 | 6/27/03 | 6/28/03 | 7/23/03 | 7/27/03 | 7/28/03 | 8/24/03 | Total |
|---|---|---|---|---|---|---|---|---|
| Broad whitefish | 27 | 105 | 38 | | 5 | 2 | 2 | 179 |
| Alaska blackfish | 1 | | | | | | | 1 |
| Burbot | | 1 | | | | | | 1 |
| Arctic grayling | 2 | 3 | 20 | 1 | 7 | 67 | 15 | 115 |
| Humpback whitefish | 1 | 2 | 2 | | | | | 5 |
| Least cisco | 1 | 4 | 3 | 11 | 7 | 5 | 49 | 80 |
| Northern pike | | 2 | 1 | | | | | 3 |
| Effort (hrs) | 7.7 | 16.3 | 23.6 | 22.8 | 16.9 | 19.7 | 28.7 | 135.8 |

Neg 02 (Fyke Net)

| Species | 7/22/03 |
|---|---|
| Broad whitefish | 1 |
| Least cisco | 20 |
| Effort (hrs) | 16.9 |

TL 01 (Fyke Net)

| Species | 7/25/03 |
|---|---|
| Broad whitefish | 23 |
| Arctic grayling | 8 |
| Least cisco | 49 |
| Effort (hrs) | 25.1 |

Table 4. Number of fish caught by day at each gill net and trammel net station sampled in the Teshekpuk Lake study region, 2003.

SK-01 (Gill Net)

| Species | 7/21/03 |
|---|---|
| Broad whitefish | 5 |
| Effort (hrs) | 10.5 |

TG 01 (Gill Net)

| Species | 7/24/03 |
|---|---|
| Least cisco | 2 |
| Effort (hrs) | 3.2 |

IKP3 (Trammel Net)

| Species | 6/23/03 |
|---|---|
| Broad whitefish | 1 |
| Bering cisco | 2 |
| Humpback whitefish | 1 |
| Least cisco | 4 |
| Effort (hrs) | 3.2 |

IKP4 (Trammel Net)

| Species | 6/23/03 |
|---|---|
| Broad whitefish | 2 |
| Humpback whitefish | 2 |
| Least cisco | 6 |
| Effort (hrs) | 2.9 |

Table 5. Fish caught at each station sampled in the Teshekpuk Lake study region, 2003.

| | Fyke Net Stations | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Species | IKP1 | IKP2 | Joe 01 | Joe 02 | Joe 03 | MIG1 | MTRIB1 | MTRIB2 | MTRIB3 | Neg 02 | TL 01 | Total |
| Broad whitefish | 35 | 3 | 9 | 5 | 64 | | 125 | 10 | 179 | 1 | 23 | 454 |
| Alaska blackfish | | | | | | | | | 1 | | | 1 |
| Bering cisco | | | | | | | | | | | | 0 |
| Burbot | 12 | 1 | | | | | 4 | | 1 | | | 18 |
| Arctic grayling | 21 | 2 | 20 | 4 | 33 | 5 | 43 | 37 | 115 | | 8 | 288 |
| Humpback whitefish | 4 | 2 | | | | | | | 5 | | | 11 |
| Least cisco | 49 | 6 | 194 | 169 | 112 | 1 | 11 | 2 | 80 | 20 | 49 | 693 |
| Ninespine stickleback | 1 | | | | | | | | | | | 1 |
| Northern pike | | | | | | | | | 3 | | | 3 |
| Slimy sculpin | 1 | | | | 1 | | | | | | | 2 |
| Total | 123 | 14 | 223 | 178 | 210 | 6 | 183 | 49 | 384 | 21 | 80 | 1471 |

| | Gill Nets | | Trammel Nets | | |
|---|---|---|---|---|---|
| Species | SK-01 | TG 01 | IKP3 | IKP4 | Total |
| Broad whitefish | 5 | | 1 | 2 | 3 |
| Alaska blackfish | | | | | 0 |
| Bering cisco | | | 2 | | 2 |
| Burbot | | | | | 0 |
| Arctic grayling | | | | | 0 |
| Humpback whitefish | | | 1 | 2 | 3 |
| Least cisco | | 2 | 4 | 6 | 10 |
| Ninespine stickleback | | | | | 0 |
| Northern pike | | | | | 0 |
| Slimy sculpin | | | | | 0 |
| Total | 5 | 2 | 8 | 10 | 18 |

Table 6. Observed fish mortalities during 2003 sampling in the Teshekpuk Lake study region.

| Species | Number Caught | Number of Mortalities | Percent Mortality |
|---|---|---|---|
| Broad whitefish | 462 | 7 | 1.5 |
| Alaska blackfish | 1 | 0 | 0.0 |
| Bering cisco | 2 | 1 | 50.0 |
| Burbot | 18 | 0 | 0.0 |
| Arctic grayling | 288 | 6 | 2.1 |
| Humpback whitefish | 14 | 3 | 21.4 |
| Least cisco | 705 | 100 | 14.2 |
| Ninespine stickleback | 1 | 0 | 0.0 |
| Northern pike | 3 | 0 | 0.0 |
| Slimy sculpin | 2 | 0 | 0.0 |
| Total | 1496 | 117 | 7.8 |

Table 7. Number of taged fish release by species during 2003 in the Teshekpuk Lake study region.

| Species | Total Tagged |
|---|---|
| Broad whitefish | 352 |
| Alaska blackfish | 0 |
| Bering cisco | 0 |
| Burbot | 14 |
| Arctic grayling | 96 |
| Humpback whitefish | 7 |
| Least cisco | 5 |
| Ninespine stickleback | 0 |
| Northern pike | 3 |
| Slimy sculpin | 0 |
| Total: | 477 |

Table 8. Tagged fish released in the Teshekpuk Lake study region during 2003.

| Station | Date | Species | Length | Tag No. | Station | Date | Species | Length | Tag No. | Station | Date | Species | Length | Tag No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IKP1 | 6/23/03 | GRAY | 370 | 1 | MTRIB1 | 6/26/03 | BDWF | 505 | 59 | MTRIB1 | 6/27/03 | BDWF | 438 | 235 |
| IKP1 | 6/23/03 | GRAY | 348 | 2 | MTRIB1 | 6/26/03 | BDWF | 486 | 60 | MTRIB1 | 6/27/03 | BDWF | 460 | 236 |
| IKP1 | 6/23/03 | GRAY | 384 | 3 | MTRIB1 | 6/26/03 | BDWF | 406 | 61 | MTRIB1 | 6/27/03 | BDWF | 401 | 237 |
| IKP1 | 6/23/03 | GRAY | 344 | 4 | MTRIB1 | 6/26/03 | BDWF | 443 | 62 | MTRIB1 | 6/27/03 | BDWF | 525 | 238 |
| IKP1 | 6/23/03 | GRAY | 358 | 5 | MTRIB1 | 6/26/03 | BDWF | 480 | 63 | MTRIB1 | 6/27/03 | BDWF | 410 | 240 |
| IKP1 | 6/23/03 | GRAY | 345 | 6 | MTRIB1 | 6/26/03 | BDWF | 474 | 64 | MTRIB1 | 6/27/03 | BDWF | 485 | 241 |
| IKP1 | 6/23/03 | BURB | 640 | 7 | MTRIB1 | 6/26/03 | BDWF | 427 | 65 | MTRIB1 | 6/27/03 | GRAY | 312 | 242 |
| IKP1 | 6/23/03 | BURB | 650 | 8 | MTRIB1 | 6/26/03 | BDWF | 396 | 66 | MTRIB1 | 6/27/03 | BDWF | 437 | 243 |
| IKP2 | 6/23/03 | HBWF | 383 | 11 | MTRIB1 | 6/26/03 | BDWF | 499 | 67 | MTRIB1 | 6/27/03 | BDWF | 440 | 244 |
| IKP2 | 6/23/03 | GRAY | 397 | 12 | MTRIB1 | 6/26/03 | BDWF | 358 | 68 | MTRIB1 | 6/27/03 | BDWF | 448 | 245 |
| IKP3 | 6/23/03 | BDWF | 386 | 9 | MTRIB2 | 6/26/03 | BDWF | 419 | 69 | MTRIB1 | 6/27/03 | BDWF | 427 | 246 |
| IKP4 | 6/23/03 | BDWF | 605 | 10 | MTRIB2 | 6/26/03 | GRAY | 339 | 70 | MTRIB1 | 6/27/03 | BDWF | 472 | 247 |
| IKP1 | 6/24/03 | HBWF | 349 | 13 | MTRIB2 | 6/26/03 | GRAY | 310 | 71 | MTRIB1 | 6/27/03 | BDWF | 515 | 248 |
| IKP1 | 6/24/03 | GRAY | 358 | 14 | MTRIB3 | 6/26/03 | BDWF | 488 | 72 | MTRIB1 | 6/27/03 | BDWF | 494 | 249 |
| IKP1 | 6/24/03 | BURB | 720 | 15 | MTRIB3 | 6/26/03 | BDWF | 495 | 73 | MTRIB1 | 6/27/03 | BDWF | 569 | 250 |
| IKP1 | 6/24/03 | BURB | 645 | 16 | MTRIB3 | 6/26/03 | BDWF | 410 | 74 | MTRIB1 | 6/27/03 | BURB | 740 | 251 |
| IKP1 | 6/24/03 | BURB | 695 | 17 | MTRIB3 | 6/26/03 | BDWF | 345 | 75 | MTRIB1 | 6/27/03 | BDWF | 520 | 452 |
| IKP1 | 6/25/03 | BURB | 660 | 8 | MTRIB3 | 6/26/03 | BDWF | 353 | 76 | MTRIB2 | 6/27/03 | GRAY | 422 | 218 |
| IKP1 | 6/25/03 | BURB | 520 | 20 | MTRIB3 | 6/26/03 | BDWF | 385 | 77 | MTRIB2 | 6/27/03 | GRAY | 337 | 219 |
| IKP1 | 6/25/03 | BURB | 570 | 21 | MTRIB3 | 6/26/03 | BDWF | 372 | 78 | MTRIB2 | 6/27/03 | BDWF | 416 | 220 |
| IKP1 | 6/25/03 | BURB | 760 | 22 | MTRIB3 | 6/26/03 | BDWF | 376 | 79 | MTRIB2 | 6/27/03 | BDWF | 428 | 221 |
| IKP1 | 6/25/03 | BURB | 700 | 23 | MTRIB3 | 6/26/03 | BDWF | 509 | 80 | MTRIB2 | 6/27/03 | BDWF | 467 | 222 |
| IKP1 | 6/25/03 | BURB | 790 | 24 | MTRIB3 | 6/26/03 | BDWF | 400 | 81 | MTRIB3 | 6/27/03 | BDWF | 590 | 102 |
| IKP1 | 6/25/03 | BURB | 720 | 25 | MTRIB3 | 6/26/03 | BDWF | 420 | 82 | MTRIB3 | 6/27/03 | BDWF | 396 | 103 |
| MIG1 | 6/25/03 | GRAY | 375 | 18 | MTRIB3 | 6/26/03 | BDWF | 418 | 83 | MTRIB3 | 6/27/03 | BDWF | 463 | 105 |
| MIG1 | 6/25/03 | GRAY | 377 | 19 | MTRIB3 | 6/26/03 | BDWF | 377 | 84 | MTRIB3 | 6/27/03 | BDWF | 430 | 106 |
| MTRIB1 | 6/26/03 | BDWF | 542 | 25 | MTRIB3 | 6/26/03 | BDWF | 355 | 85 | MTRIB3 | 6/27/03 | BDWF | 442 | 107 |
| MTRIB1 | 6/26/03 | BDWF | 488 | 27 | MTRIB3 | 6/26/03 | BDWF | 481 | 86 | MTRIB3 | 6/27/03 | BDWF | 474 | 108 |
| MTRIB1 | 6/26/03 | BDWF | 505 | 28 | MTRIB3 | 6/26/03 | BDWF | 435 | 87 | MTRIB3 | 6/27/03 | BDWF | 475 | 109 |
| MTRIB1 | 6/26/03 | BDWF | 494 | 29 | MTRIB3 | 6/26/03 | BDWF | 471 | 88 | MTRIB3 | 6/27/03 | BDWF | 384 | 110 |
| MTRIB1 | 6/26/03 | BDWF | 425 | 30 | MTRIB3 | 6/26/03 | HBWF | 369 | 89 | MTRIB3 | 6/27/03 | BDWF | 445 | 112 |
| MTRIB1 | 6/26/03 | BDWF | 410 | 31 | MTRIB3 | 6/26/03 | GRAY | 326 | 91 | MTRIB3 | 6/27/03 | BDWF | 405 | 113 |
| MTRIB1 | 6/26/03 | BDWF | 422 | 32 | MTRIB3 | 6/26/03 | BDWF | 419 | 92 | MTRIB3 | 6/27/03 | BDWF | 450 | 114 |
| MTRIB1 | 6/26/03 | BDWF | 446 | 33 | MTRIB3 | 6/26/03 | BDWF | 498 | 93 | MTRIB3 | 6/27/03 | BDWF | 484 | 115 |
| MTRIB1 | 6/26/03 | BDWF | 534 | 34 | MTRIB3 | 6/26/03 | BDWF | 496 | 94 | MTRIB3 | 6/27/03 | BDWF | 364 | 116 |
| MTRIB1 | 6/26/03 | BDWF | 415 | 35 | MTRIB3 | 6/26/03 | BDWF | 396 | 95 | MTRIB3 | 6/27/03 | BDWF | 448 | 117 |
| MTRIB1 | 6/26/03 | BDWF | 472 | 36 | MTRIB3 | 6/26/03 | BDWF | 453 | 96 | MTRIB3 | 6/27/03 | BDWF | 422 | 118 |
| MTRIB1 | 6/26/03 | BDWF | 470 | 37 | MTRIB3 | 6/26/03 | BDWF | 456 | 97 | MTRIB3 | 6/27/03 | BDWF | 440 | 119 |
| MTRIB1 | 6/26/03 | BDWF | 502 | 38 | MTRIB3 | 6/26/03 | BDWF | 424 | 98 | MTRIB3 | 6/27/03 | BDWF | 460 | 120 |
| MTRIB1 | 6/26/03 | BDWF | 494 | 39 | MTRIB3 | 6/26/03 | BDWF | 448 | 99 | MTRIB3 | 6/27/03 | BDWF | 421 | 121 |
| MTRIB1 | 6/26/03 | BDWF | 414 | 40 | MTRIB3 | 6/26/03 | BDWF | 430 | 100 | MTRIB3 | 6/27/03 | BDWF | 425 | 122 |
| MTRIB1 | 6/26/03 | GRAY | 307 | 41 | MTRIB3 | 6/26/03 | BDWF | 415 | 101 | MTRIB3 | 6/27/03 | BDWF | 449 | 123 |
| MTRIB1 | 6/26/03 | GRAY | 346 | 42 | MTRIB1 | 6/27/03 | BDWF | | 36 | MTRIB3 | 6/27/03 | PIKE | 612 | 124 |
| MTRIB1 | 6/26/03 | BDWF | 442 | 43 | MTRIB1 | 6/27/03 | BDWF | | 51 | MTRIB3 | 6/27/03 | BDWF | 376 | 125 |
| MTRIB1 | 6/26/03 | BDWF | 498 | 44 | MTRIB1 | 6/27/03 | BDWF | | 58 | MTRIB3 | 6/27/03 | BDWF | 467 | 126 |
| MTRIB1 | 6/26/03 | BDWF | 415 | 45 | MTRIB1 | 6/27/03 | BDWF | | 60 | MTRIB3 | 6/27/03 | BDWF | 347 | 127 |
| MTRIB1 | 6/26/03 | BDWF | 406 | 46 | MTRIB1 | 6/27/03 | BDWF | 584 | 223 | MTRIB3 | 6/27/03 | BDWF | 460 | 128 |
| MTRIB1 | 6/26/03 | BDWF | 407 | 47 | MTRIB1 | 6/27/03 | BDWF | 565 | 224 | MTRIB3 | 6/27/03 | BDWF | 505 | 129 |
| MTRIB1 | 6/26/03 | BDWF | 506 | 48 | MTRIB1 | 6/27/03 | BDWF | 423 | 225 | MTRIB3 | 6/27/03 | BDWF | 407 | 130 |
| MTRIB1 | 6/26/03 | BDWF | 470 | 49 | MTRIB1 | 6/27/03 | BDWF | 405 | 226 | MTRIB3 | 6/27/03 | BDWF | 495 | 131 |
| MTRIB1 | 6/26/03 | BDWF | 535 | 50 | MTRIB1 | 6/27/03 | BDWF | 412 | 227 | MTRIB3 | 6/27/03 | BDWF | 529 | 132 |
| MTRIB1 | 6/26/03 | BDWF | 459 | 51 | MTRIB1 | 6/27/03 | GRAY | 363 | 228 | MTRIB3 | 6/27/03 | BDWF | 510 | 133 |
| MTRIB1 | 6/26/03 | BDWF | 454 | 52 | MTRIB1 | 6/27/03 | GRAY | 329 | 229 | MTRIB3 | 6/27/03 | BDWF | 502 | 134 |
| MTRIB1 | 6/26/03 | BDWF | 411 | 53 | MTRIB1 | 6/27/03 | BDWF | 303 | 230 | MTRIB3 | 6/27/03 | BDWF | 462 | 135 |
| MTRIB1 | 6/26/03 | BDWF | 417 | 54 | MTRIB1 | 6/27/03 | GRAY | 331 | 231 | MTRIB3 | 6/27/03 | BDWF | 468 | 136 |
| MTRIB1 | 6/26/03 | BDWF | 478 | 56 | MTRIB1 | 6/27/03 | GRAY | 343 | 232 | MTRIB3 | 6/27/03 | BDWF | 398 | 137 |
| MTRIB1 | 6/26/03 | BDWF | 449 | 57 | MTRIB1 | 6/27/03 | GRAY | 375 | 233 | MTRIB3 | 6/27/03 | BDWF | 515 | 138 |
| MTRIB1 | 6/26/03 | BDWF | 494 | 58 | MTRIB1 | 6/27/03 | GRAY | 342 | 234 | MTRIB3 | 6/27/03 | BDWF | 448 | 139 |

Table 7. Tagged fish released in the Teshekpuk Lake study region during 2003 (continued).

| Station | Date | Species | Length | Tag No. | Station | Date | Species | Length | Tag No. | Station | Date | Species | Length | Tag No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MTRIB3 | 6/27/03 | BDWF | 483 | 140 | MTRIB3 | 6/27/03 | BDWF | 406 | 199 | MTRIB3 | 6/28/03 | HBWF | 379 | 267 |
| MTRIB3 | 6/27/03 | BDWF | 490 | 141 | MTRIB3 | 6/27/03 | BDWF | 410 | 200 | MTRIB3 | 6/28/03 | BDWF | 461 | 268 |
| MTRIB3 | 6/27/03 | BDWF | 454 | 142 | MTRIB3 | 6/27/03 | LSCS | 307 | 201 | MTRIB3 | 6/28/03 | BDWF | 407 | 269 |
| MTRIB3 | 6/27/03 | BDWF | 437 | 143 | MTRIB3 | 6/27/03 | BDWF | 388 | 202 | MTRIB3 | 6/28/03 | BDWF | 468 | 270 |
| MTRIB3 | 6/27/03 | BDWF | 477 | 144 | MTRIB3 | 6/27/03 | BDWF | 501 | 203 | MTRIB3 | 6/28/03 | BDWF | 503 | 271 |
| MTRIB3 | 6/27/03 | BDWF | 465 | 145 | MTRIB3 | 6/27/03 | BDWF | 448 | 204 | MTRIB3 | 6/28/03 | GRAY | 368 | 272 |
| MTRIB3 | 6/27/03 | BDWF | 390 | 146 | MTRIB3 | 6/27/03 | BDWF | 419 | 205 | MTRIB3 | 6/28/03 | BDWF | 520 | 273 |
| MTRIB3 | 6/27/03 | BDWF | 474 | 147 | MTRIB3 | 6/27/03 | BDWF | 405 | 206 | MTRIB3 | 6/28/03 | BDWF | 445 | 274 |
| MTRIB3 | 6/27/03 | BDWF | 380 | 148 | MTRIB3 | 6/27/03 | BDWF | 360 | 207 | MTRIB3 | 6/28/03 | BDWF | 428 | 275 |
| MTRIB3 | 6/27/03 | BDWF | 473 | 149 | MTRIB3 | 6/27/03 | BDWF | 355 | 208 | MTRIB3 | 6/28/03 | BDWF | 460 | 276 |
| MTRIB3 | 6/27/03 | BDWF | 391 | 150 | MTRIB3 | 6/27/03 | BDWF | 487 | 209 | MTRIB3 | 6/28/03 | BDWF | 363 | 277 |
| MTRIB3 | 6/27/03 | BDWF | 506 | 151 | MTRIB3 | 6/27/03 | HBWF | 374 | 210 | MTRIB3 | 6/28/03 | GRAY | 336 | 278 |
| MTRIB3 | 6/27/03 | BDWF | 426 | 152 | MTRIB3 | 6/27/03 | BDWF | 486 | 211 | MTRIB3 | 6/28/03 | GRAY | 381 | 279 |
| MTRIB3 | 6/27/03 | GRAY | 251 | 154 | MTRIB3 | 6/27/03 | BDWF | 503 | 212 | MTRIB3 | 6/28/03 | BDWF | 490 | 280 |
| MTRIB3 | 6/27/03 | BDWF | 448 | 155 | MTRIB3 | 6/27/03 | BDWF | 487 | 213 | MTRIB3 | 6/28/03 | BDWF | 477 | 281 |
| MTRIB3 | 6/27/03 | BDWF | 549 | 156 | MTRIB3 | 6/27/03 | BDWF | 444 | 214 | MTRIB3 | 6/28/03 | BDWF | 462 | 282 |
| MTRIB3 | 6/27/03 | BDWF | 475 | 157 | MTRIB3 | 6/27/03 | BDWF | 524 | 215 | MTRIB3 | 6/28/03 | BDWF | 486 | 283 |
| MTRIB3 | 6/27/03 | BDWF | 485 | 158 | MTRIB3 | 6/27/03 | BDWF | 418 | 216 | MTRIB3 | 6/28/03 | BDWF | 494 | 284 |
| MTRIB3 | 6/27/03 | BDWF | 480 | 159 | MTRIB3 | 6/27/03 | BDWF | 388 | 217 | MTRIB3 | 6/28/03 | GRAY | 328 | 285 |
| MTRIB3 | 6/27/03 | BDWF | 395 | 160 | MTRIB1 | 6/28/03 | BDWF | | 30 | MTRIB3 | 6/28/03 | GRAY | 347 | 286 |
| MTRIB3 | 6/27/03 | BDWF | 459 | 161 | MTRIB1 | 6/28/03 | BDWF | | 54 | MTRIB3 | 6/28/03 | HBWF | 359 | 453 |
| MTRIB3 | 6/27/03 | BDWF | 462 | 162 | MTRIB1 | 6/28/03 | BDWF | | 240 | MTRIB3 | 6/28/03 | GRAY | 355 | 454 |
| MTRIB3 | 6/27/03 | BDWF | 402 | 163 | MTRIB1 | 6/28/03 | BDWF | | 245 | MTRIB3 | 6/28/03 | GRAY | 416 | 455 |
| MTRIB3 | 6/27/03 | BDWF | 405 | 164 | MTRIB1 | 6/28/03 | GRAY | 412 | 294 | MTRIB3 | 6/28/03 | GRAY | 450 | 456 |
| MTRIB3 | 6/27/03 | BDWF | 399 | 165 | MTRIB1 | 6/28/03 | GRAY | 353 | 295 | MTRIB3 | 6/28/03 | BDWF | 397 | 457 |
| MTRIB3 | 6/27/03 | BDWF | 435 | 166 | MTRIB1 | 6/28/03 | GRAY | 355 | 296 | MTRIB3 | 6/28/03 | GRAY | 320 | 458 |
| MTRIB3 | 6/27/03 | BDWF | 455 | 167 | MTRIB1 | 6/28/03 | GRAY | 348 | 297 | MTRIB3 | 6/28/03 | GRAY | 368 | 459 |
| MTRIB3 | 6/27/03 | BDWF | 462 | 168 | MTRIB1 | 6/28/03 | BDWF | 438 | 298 | MTRIB3 | 6/28/03 | BDWF | 439 | 460 |
| MTRIB3 | 6/27/03 | BDWF | 440 | 169 | MTRIB1 | 6/28/03 | BDWF | 427 | 299 | MTRIB3 | 6/28/03 | GRAY | 339 | 461 |
| MTRIB3 | 6/27/03 | GRAY | 343 | 170 | MTRIB1 | 6/28/03 | BDWF | 484 | 300 | MTRIB3 | 6/28/03 | BDWF | 420 | 462 |
| MTRIB3 | 6/27/03 | BDWF | 412 | 171 | MTRIB1 | 6/28/03 | BDWF | 459 | 301 | MTRIB3 | 6/28/03 | BDWF | 383 | 463 |
| MTRIB3 | 6/27/03 | BDWF | 414 | 172 | MTRIB1 | 6/28/03 | BDWF | 510 | 302 | MTRIB3 | 6/28/03 | BDWF | 450 | 464 |
| MTRIB3 | 6/27/03 | HBWF | 374 | 173 | MTRIB1 | 6/28/03 | BDWF | 582 | 303 | MTRIB3 | 6/28/03 | BDWF | 465 | 465 |
| MTRIB3 | 6/27/03 | BDWF | 537 | 174 | MTRIB1 | 6/28/03 | BURB | 655 | 304 | MTRIB3 | 6/28/03 | BDWF | 474 | 466 |
| MTRIB3 | 6/27/03 | BDWF | 418 | 175 | MTRIB1 | 6/28/03 | BURB | 750 | 305 | MTRIB3 | 6/28/03 | BDWF | 459 | 467 |
| MTRIB3 | 6/27/03 | BDWF | 425 | 176 | MTRIB1 | 6/28/03 | BDWF | 473 | 306 | MTRIB3 | 6/28/03 | BDWF | 485 | 468 |
| MTRIB3 | 6/27/03 | BDWF | 466 | 177 | MTRIB1 | 6/28/03 | BDWF | 422 | 307 | MTRIB3 | 6/28/03 | GRAY | 340 | 469 |
| MTRIB3 | 6/27/03 | BDWF | 424 | 178 | MTRIB2 | 6/28/03 | GRAY | 336 | 287 | MTRIB3 | 6/28/03 | BDWF | 461 | 470 |
| MTRIB3 | 6/27/03 | BDWF | 322 | 179 | MTRIB2 | 6/28/03 | GRAY | 348 | 288 | MTRIB3 | 6/28/03 | BDWF | 447 | 471 |
| MTRIB3 | 6/27/03 | LSCS | 316 | 180 | MTRIB2 | 6/28/03 | GRAY | 333 | 289 | MTRIB3 | 6/28/03 | BDWF | 498 | 472 |
| MTRIB3 | 6/27/03 | BDWF | 412 | 181 | MTRIB2 | 6/28/03 | GRAY | 419 | 290 | MTRIB3 | 6/28/03 | BDWF | 489 | 473 |
| MTRIB3 | 6/27/03 | BDWF | 466 | 182 | MTRIB2 | 6/28/03 | BDWF | 433 | 292 | MTRIB3 | 6/28/03 | GRAY | 357 | 474 |
| MTRIB3 | 6/27/03 | BDWF | 431 | 183 | MTRIB2 | 6/28/03 | BDWF | 494 | 293 | MTRIB3 | 6/28/03 | BDWF | 508 | 475 |
| MTRIB3 | 6/27/03 | BDWF | 421 | 184 | MTRIB3 | 6/28/03 | BDWF | | 190 | Joe 01 | 7/22/03 | BDWF | 414 | 308 |
| MTRIB3 | 6/27/03 | BDWF | 360 | 185 | MTRIB3 | 6/28/03 | BDWF | 448 | 251 | Joe 01 | 7/22/03 | BDWF | 498 | 309 |
| MTRIB3 | 6/27/03 | BDWF | 397 | 186 | MTRIB3 | 6/28/03 | BDWF | 511 | 252 | Joe 01 | 7/23/03 | Gray | 325 | 310 |
| MTRIB3 | 6/27/03 | BDWF | 413 | 187 | MTRIB3 | 6/28/03 | BDWF | 560 | 253 | Joe 01 | 7/23/03 | BDWF | 489 | 311 |
| MTRIB3 | 6/27/03 | BDWF | 345 | 188 | MTRIB3 | 6/28/03 | BDWF | 453 | 254 | Joe 01 | 7/23/03 | BDWF | 439 | 312 |
| MTRIB3 | 6/27/03 | BDWF | 456 | 189 | MTRIB3 | 6/28/03 | BDWF | 482 | 255 | Joe 02 | 7/23/03 | BDWF | 415 | 313 |
| MTRIB3 | 6/27/03 | BDWF | 398 | 190 | MTRIB3 | 6/28/03 | BDWF | 485 | 256 | Joe 02 | 7/23/03 | Gray | 376 | 315 |
| MTRIB3 | 6/27/03 | BDWF | 417 | 191 | MTRIB3 | 6/28/03 | BDWF | 394 | 257 | Joe 02 | 7/23/03 | BDWF | 462 | 316 |
| MTRIB3 | 6/27/03 | BDWF | 417 | 192 | MTRIB3 | 6/28/03 | GRAY | 348 | 258 | Joe 01 | 7/24/03 | BDWF | 333 | 317 |
| MTRIB3 | 6/27/03 | BDWF | 483 | 193 | MTRIB3 | 6/28/03 | GRAY | 320 | 259 | Joe 01 | 7/24/03 | BDWF | 391 | 319 |
| MTRIB3 | 6/27/03 | BDWF | 405 | 194 | MTRIB3 | 6/28/03 | GRAY | 330 | 260 | Joe 01 | 7/24/03 | BDWF | 363 | 321 |
| MTRIB3 | 6/27/03 | BDWF | 504 | 195 | MTRIB3 | 6/28/03 | BDWF | 480 | 261 | Joe 01 | 7/24/03 | BDWF | 411 | 322 |
| MTRIB3 | 6/27/03 | BDWF | 457 | 196 | MTRIB3 | 6/28/03 | GRAY | 393 | 263 | Joe 01 | 7/24/03 | BDWF | 402 | 323 |
| MTRIB3 | 6/27/03 | PIKE | 531 | 197 | MTRIB3 | 6/28/03 | GRAY | 334 | 264 | Joe 01 | 7/24/03 | BDWF | 448 | 324 |
| MTRIB3 | 6/27/03 | BDWF | 328 | 198 | MTRIB3 | 6/28/03 | PIKE | 650 | 266 | Joe 01 | 7/24/03 | BDWF | 479 | 325 |

Table 7. Tagged fish released in the Teshekpuk Lake study region during 2003 (continued).

| Station | Date | Species | Length | Tag No. |
|---|---|---|---|---|
| Joe 01 | 7/25/03 | BDWF | 526 | 328 |
| Joe 01 | 7/25/03 | BDWF | 560 | 329 |
| Joe 01 | 7/25/03 | BDWF | 468 | 330 |
| TL 01 | 7/25/03 | Gray | 315 | 326 |
| TL 01 | 7/25/03 | Gray | 300 | 327 |
| Joe 03 | 7/26/03 | BDWF | 532 | 331 |
| Joe 03 | 7/26/03 | BDWF | 405 | 332 |
| Joe 03 | 7/26/03 | BDWF | 388 | 333 |
| Joe 03 | 7/26/03 | BDWF | 396 | 334 |
| Joe 03 | 7/26/03 | BDWF | 464 | 335 |
| Joe 03 | 7/26/03 | BDWF | 417 | 336 |
| Joe 03 | 7/26/03 | BDWF | 430 | 338 |
| MTRIB1 | 7/26/03 | BDWF | 490 | 339 |
| MTRIB1 | 7/26/03 | BDWF | 463 | 340 |
| MTRIB1 | 7/26/03 | BDWF | 452 | 341 |
| MTRIB1 | 7/26/03 | BDWF | 448 | 342 |
| MTRIB1 | 7/26/03 | BDWF | 451 | 343 |
| MTRIB1 | 7/26/03 | LCIS | 303 | 344 |
| MTRIB1 | 7/26/03 | BDWF | 465 | 345 |
| MTRIB1 | 7/26/03 | BDWF | 462 | 346 |
| MTRIB1 | 7/26/03 | BDWF | 435 | 347 |
| MTRIB1 | 7/26/03 | BDWF | 472 | 348 |
| MTRIB1 | 7/26/03 | BDWF | 470 | 349 |
| MTRIB1 | 7/26/03 | BDWF | 415 | 350 |
| MTRIB1 | 7/26/03 | BDWF | 495 | 351 |
| MTRIB1 | 7/26/03 | BDWF | 414 | 352 |
| MTRIB1 | 7/26/03 | Gray | 310 | 353 |
| MTRIB1 | 7/26/03 | BDWF | 465 | 354 |
| MTRIB1 | 7/26/03 | BDWF | 502 | 355 |
| MTRIB1 | 7/26/03 | BDWF | 390 | 356 |
| MTRIB1 | 7/26/03 | Gray | 342 | 357 |
| MTRIB1 | 7/26/03 | BDWF | 472 | 358 |
| MTRIB1 | 7/26/03 | BDWF | 503 | 359 |
| MTRIB1 | 7/26/03 | BDWF | 476 | 360 |
| MTRIB1 | 7/26/03 | BDWF | 310 | 361 |
| MTRIB1 | 7/26/03 | BDWF | 485 | 362 |
| MTRIB1 | 7/26/03 | BDWF | 454 | 363 |
| MTRIB1 | 7/26/03 | BDWF | 375 | 364 |
| MTRIB1 | 7/26/03 | BDWF | 464 | 365 |
| MTRIB1 | 7/26/03 | BDWF | 476 | 366 |
| MTRIB1 | 7/26/03 | BDWF | 507 | 367 |
| Joe 03 | 7/27/03 | BDWF | 492 | 368 |
| Joe 03 | 7/27/03 | BDWF | 524 | 369 |
| Joe 03 | 7/27/03 | BDWF | 509 | 370 |
| Joe 03 | 7/27/03 | LCIS | 335 | 371 |
| Joe 03 | 7/27/03 | BDWF | 504 | 372 |
| Joe 03 | 7/27/03 | BDWF | 343 | 373 |
| MTRIB1 | 7/27/03 | BDWF | 478 | 374 |
| MTRIB1 | 7/27/03 | BDWF | 435 | 375 |
| MTRIB1 | 7/27/03 | BDWF | 500 | 376 |
| MTRIB1 | 7/27/03 | BDWF | 508 | 377 |
| MTRIB1 | 7/27/03 | BDWF | 468 | 378 |
| MTRIB1 | 7/27/03 | BDWF | 528 | 379 |
| MTRIB1 | 7/27/03 | BDWF | 498 | 380 |
| MTRIB1 | 7/27/03 | BDWF | 400 | 381 |
| MTRIB1 | 7/27/03 | Gray | 324 | 382 |
| MTRIB1 | 7/27/03 | Gray | 303 | 383 |
| MTRIB1 | 7/27/03 | BDWF | 501 | 384 |
| MTRIB1 | 7/27/03 | Gray | 378 | 385 |
| MTRIB1 | 7/27/03 | BDWF | 406 | 386 |
| MTRIB1 | 7/27/03 | LCIS | 328 | 387 |
| MTRIB1 | 7/27/03 | BDWF | 464 | 388 |
| MTRIB1 | 7/27/03 | BDWF | 440 | 389 |
| MTRIB1 | 7/27/03 | BDWF | 448 | 390 |
| MTRIB3 | 7/27/03 | BDWF | 384 | 391 |
| MTRIB3 | 7/27/03 | BDWF | 466 | 392 |
| MTRIB3 | 7/27/03 | Gray | 325 | 393 |
| MTRIB3 | 7/27/03 | Gray | 396 | 394 |
| MTRIB3 | 7/27/03 | Gray | 307 | 395 |
| MTRIB3 | 7/27/03 | BDWF | 340 | 396 |
| MTRIB3 | 7/27/03 | LCIS | 386 | 398 |
| MTRIB3 | 7/27/03 | Gray | 316 | 401 |
| MTRIB3 | 7/28/03 | Gray | 335 | 402 |
| MTRIB3 | 7/28/03 | Gray | 312 | 403 |
| MTRIB3 | 7/28/03 | Gray | 375 | 404 |
| MTRIB3 | 7/28/03 | Gray | 303 | 405 |
| MTRIB3 | 7/28/03 | Gray | 311 | 406 |
| MTRIB3 | 7/28/03 | Gray | 321 | 407 |
| MTRIB3 | 7/28/03 | Gray | 338 | 408 |
| MTRIB3 | 7/28/03 | Gray | 309 | 409 |
| MTRIB3 | 7/28/03 | Gray | 309 | 410 |
| MTRIB3 | 7/28/03 | Gray | 307 | 411 |
| MTRIB3 | 7/28/03 | Gray | 316 | 412 |
| MTRIB3 | 7/28/03 | Gray | 327 | 413 |
| MTRIB3 | 7/28/03 | Gray | 333 | 414 |
| Joe03 | 8/24/03 | GRAY | 345 | 416 |
| Joe03 | 8/24/03 | BDWF | 400 | 417 |
| Joe03 | 8/24/03 | BDWF | 398 | 418 |
| Joe03 | 8/24/03 | BDWF | 334 | 419 |
| Joe03 | 8/24/03 | BDWF | 491 | 420 |
| Joe03 | 8/24/03 | BDWF | 391 | 421 |
| Joe03 | 8/24/03 | BDWF | 477 | 422 |
| Joe03 | 8/24/03 | BDWF | 470 | 423 |
| Joe03 | 8/24/03 | BDWF | 495 | 424 |
| Joe03 | 8/24/03 | BDWF | 482 | 425 |
| Joe03 | 8/24/03 | BDWF | 480 | 426 |
| Joe03 | 8/24/03 | BDWF | 468 | 427 |
| Joe03 | 8/24/03 | BDWF | 490 | 428 |
| Joe03 | 8/24/03 | BDWF | 485 | 429 |
| Joe03 | 8/24/03 | BDWF | 482 | 430 |
| Joe03 | 8/24/03 | BDWF | 483 | 431 |
| Joe03 | 8/24/03 | BDWF | 460 | 432 |
| Joe03 | 8/24/03 | BDWF | 445 | 433 |
| Joe03 | 8/24/03 | BDWF | 474 | 434 |
| Joe03 | 8/24/03 | GRAY | 343 | 435 |
| Joe03 | 8/24/03 | BDWF | 347 | 436 |
| Joe03 | 8/24/03 | BDWF | 465 | 438 |
| Joe03 | 8/24/03 | BDWF | 505 | 439 |
| Joe03 | 8/24/03 | BDWF | 380 | 440 |
| Joe03 | 8/24/03 | BDWF | 375 | 441 |
| Joe03 | 8/24/03 | BDWF | 450 | 442 |
| Joe03 | 8/24/03 | BDWF | 428 | 443 |
| Joe03 | 8/24/03 | GRAY | 320 | 444 |
| Joe03 | 8/24/03 | BDWF | 410 | 445 |
| Joe03 | 8/24/03 | BDWF | 490 | 446 |
| MTRIB3 | 8/24/03 | GRAY | 300 | 447 |
| MTRIB3 | 8/24/03 | GRAY | 339 | 448 |
| MTRIB3 | 8/24/03 | BDWF | 385 | 449 |
| MTRIB3 | 8/24/03 | GRAY | 300 | 450 |
| MTRIB3 | 8/24/03 | GRAY | 314 | 499 |
| MTRIB3 | 8/24/03 | GRAY | 400 | 500 |
| Joe03 | 8/25/03 | BDWF | 440 | 484 |
| Joe03 | 8/25/03 | BDWF | 488 | 485 |
| Joe03 | 8/25/03 | BDWF | 498 | 486 |
| Joe03 | 8/25/03 | BDWF | 485 | 487 |
| Joe03 | 8/25/03 | BDWF | 469 | 488 |
| Joe03 | 8/25/03 | BDWF | 358 | 489 |
| Joe03 | 8/25/03 | GRAY | 305 | 490 |
| Joe03 | 8/25/03 | BDWF | 471 | 491 |
| Joe03 | 8/25/03 | GRAY | 312 | 492 |
| Joe03 | 8/25/03 | BDWF | 474 | 493 |
| Joe03 | 8/25/03 | BDWF | 453 | 494 |
| Joe03 | 8/25/03 | GRAY | 316 | 495 |
| Joe03 | 8/25/03 | BDWF | 500 | 496 |
| Joe03 | 8/25/03 | GRAY | 302 | 497 |
| Joe03 | 8/25/03 | GRAY | 313 | 498 |
| MTRIB3 | 8/24/03 | GRAY | 314 | 499 |
| MTRIB3 | 8/24/03 | GRAY | 400 | 500 |
| Joe03 | 8/25/03 | BDWF | 440 | 484 |
| Joe03 | 8/25/03 | BDWF | 488 | 485 |
| Joe03 | 8/25/03 | BDWF | 498 | 486 |
| Joe03 | 8/25/03 | BDWF | 485 | 487 |
| Joe03 | 8/25/03 | BDWF | 469 | 488 |
| Joe03 | 8/25/03 | BDWF | 358 | 489 |
| Joe03 | 8/25/03 | GRAY | 305 | 490 |
| Joe03 | 8/25/03 | BDWF | 471 | 491 |
| Joe03 | 8/25/03 | GRAY | 312 | 492 |
| Joe03 | 8/25/03 | BDWF | 474 | 493 |
| Joe03 | 8/25/03 | BDWF | 453 | 494 |
| Joe03 | 8/25/03 | GRAY | 316 | 495 |
| Joe03 | 8/25/03 | BDWF | 500 | 496 |
| Joe03 | 8/25/03 | GRAY | 302 | 497 |
| Joe03 | 8/25/03 | GRAY | 313 | 498 |