Carpel Rec

# COLVILLE DELTA WINTER FISH HABITAT STUDY 1991-993

Final Report

August 31, 1994

Prepared for:

**ARCO Alaska Inc.**
**700 G Street**
**Anchorage, Alaska 99510**

Prepared by:

**Lawrence L. Moulton**
**MJM Research**
**5460 NE Tolo Rd**
**Bainbridge Island, WA 98110**

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# INTRODUCTION

ARCO Alaska Inc. has increased exploration activities in the Colville Delta, Alaska and these exploration activities may lead to eventual oil field development within the delta. Delta channels and lakes may be crossed by ice roads and seismic lines during exploration projects. Permanent access to the delta, which may be required for potential field development, will necessarily cross many channels. Water may be withdrawn from lakes to support both industrial and domestic needs.

During review of both exploration and development permits, information will be required on the biological sensitivity of delta channels and lakes. Lakes of interest include both lakes connected to river channels during the open water period, often called tapped lakes, and lakes isolated from regular connection with the river. Deep isolated lakes are often capable of supporting fish populations while the most critical use of tapped lakes is by anadromous fish that move into these lakes in the fall and remain through the winter.

The most critical use of delta channels is by anadromous fish that move into these channels and lakes connected to the channels in the fall and remain through the winter. A substantial body of information exists for the major channels of the Colville Delta (Kogl and Schell 1974, Bendock and Burr 1986, George and Kovalsky 1986, Fawcett et al. 1986, Moulton et al. 1992). These areas support substantial fisheries in the fall and fish use of these channels is well documented. Less information is available for the minor channels that lie between the Main (Kupigruak) Channel on the east and the Nechelik (Nigliq) Channel on the west.

The study was designed to provide physical and biological information on these habitat types to understand their use as winter habitat by various fish species. In addition, the results of the survey can be used, in concert with previous surveys within the area, to direct any future investigations that may be needed.

The objectives of the study are to document fish presence and winter habitat use in both lakes and minor delta channels. Lakes include both isolated and tapped lakes that have not been previously surveyed or had been surveyed during summer in the early to mid-1980's. Selected lakes are those that may be included in an eventual field development.

## METHODS

The study consisted of 30 days of gill net sampling in lakes across the Colville Delta in late October to early November from 1991 and 1993 (Figure 1). The initial candidate sampling locations in lakes and delta channels were identified through inspection of maps of proposed pad locations, access roads and seismic plans prior to final design of the sampling program. Once identified, available information on lake depths was reviewed and lakes deeper than 2 m (6.5 ft) deep (i.e. likely to retain water through the winter) were selected for sampling with variable mesh gill nets set under the ice. In 1992, the thickness of the ice by October 28 restricted sampling to lakes 2.5 m deep (8 ft) or greater. Channel profiles were measured in the field and channels greater than 2 m (6.5 ft) deep were sampled.

The variable mesh gill nets used in the sampling program consisted of a set of two nets, each with three 1.8 m (6 ft) x 6.1 m (20 ft) panels. One net contained small meshes: 25 mm (1.00"), 32 mm (1.25"), and 41 mm (1.63"), the other net contained large meshes: 52 mm (2.06"), 70 mm (2.75") and 89 mm (3.50"). Nets were checked on a daily basis unless weather prevented safe travel. Both nets were fished for at least one day at a location. At some locations in 1991, the nets were fished for an additional day to verify initial findings. The primary objective was to document presence or absence, thus large sample sizes were neither needed nor desired.

Since salinity affects the suitability of the over-wintering habitat, salinity was measured at each of the sampling locations. A salinity profile in 0.5 m increments was measured at the beginning or end of each set using a YSI Model 33 salinometer.

Catches were separated by mesh size and enumerated by species; fork lengths were taken for all specimens. Duration of each set was recorded to allow calculation of catch rates. In 1993, weight to the nearest gram was also recorded. Otoliths were removed from all coregonines to determine age-length relationships. Otoliths were read using the break-and-burn technique.

Least cisco were classified into three growth forms: normal, stunted and large. Classification was by comparison with the age-length relationship observed in the least cisco caught in river channel and tapped lake stations, which are assumed to represent the anadromous population. Populations that averaged less than 275 mm by age 11 were classified as "stunted", those averaging greater than 330 mm by age 11 were classified as "large", while those averaging between 275-330 mm at age 11 were classified as "normal"

## RESULTS AND DISCUSSION

### HABITATS SAMPLED

Sampling was conducted during the periods November 1-10, 1991, October 28-November 6, 1992, and October 27-November 5, 1993. Thirty-seven stations were identified for sampling (Table 1, Figure 2). Sampling stations were located with a global positioning system (GPS).

The sampling stations were classified as river channel (RC), tapped lake (TL), or isolated lake (IL). Aerial photography of the delta region (taken July 23, 1983) was examined to verify that the sampled lakes were or were not connected to the river during summer. The presence of turbid water in the lake was used to indicate an active connection.
Eight of the lakes showed obvious influence by river flow with the remaining 23 lakes all isolated from direct river influence. The remaining six stations were in river channels (Table 1).

Four of the lakes had been previously sampled by Bendock and Burr (1986) during their 1985 survey of the delta region (Figure 3). An additional two lakes were sampled by McElderry and Craig (1981) during a search for Arctic cisco spawning areas in 1979 and referenced by Bendock and Burr (1986). The comparable sample numbers are:

| Station No. | Bendock & Burr Lake No. | McElderry & Craig Lake No. |
|---|---|---|
| 9102 | 43 | |
| 9106 | 39 | |
| 9107 | 20 | 20 |
| 9111 | 14 | 13 |
| 9201 | 41 | |
| 9205 | 42 | |

## PHYSICAL CHARACTERISTICS

Elevated salinities (maximum salinities greater than 5 ppt) were measured in three of the five tapped lakes and one isolated lake:

| | | Mean Salinity (ppt) | Bottom Salinity (ppt) |
|---|---|---|---|
| Tapped Lakes | | | |
| Station 9102 (B&B Lake 43) | | | |
| | Nov 2, 1991 | 12.6 | 17.7 |
| | Nov 5, 1991 | 15.1 | 19.8 |
| Station 9105 | Nov 3, 1991 | 7.5 | 10.3 |
| | Nov 6, 1991 | 9.5 | 13.2 |
| Station 9107 (B&B Lake 20) | | | |
| | Nov 6, 1991 | 4.0 | 7.9 |
| Isolated Lake | | | |
| Station 9210 | | | |
| | Nov 3, 1992 | 4.2 | 5.5 |

Bendock and Burr (1986) report a salinity of 5 ppt in Stations 9106 (Lake 39) and 9201 (Lake 41) during the summer, we measured maximums of 0 and 3.6 ppt , respectively, at the

same lakes under the ice during the 1991-1992 surveys. At Station 9102 (Lake 43), Bendock and Burr (1986) reported a maximum depth of 1.8 m (6 ft), while we observed a depth of 3.7 m (12 ft) at the 1991 sample site in the same lake.

Salinities were highest in river channels with the lowest salinities being recorded in isolated lakes:

| Habitat Classification | Mean Salinity | Standard Deviation | Number of Observations |
|---|---|---|---|
| River Channel | 12.5 | 7.1 | 141 |
| Tapped Lake | 7.2 | 6.0 | 50 |
| Isolated Lake | 1.0 | 1.1 | 112 |

## BIOLOGICAL FINDINGS

### Biological and Habitat Patterns

Species captured were, in order of abundance, least cisco, Arctic cisco, broad whitefish, rainbow smelt, Alaska blackfish, fourhorn sculpin, burbot, humpback whitefish and round whitefish (Table 2). Maps showing the distribution of each species captured in relation to the sampled lakes are included as a separate section entitled Species Distribution Maps.

Fish were captured at 34 of the 37 sites sampled. Least cisco were caught at 27 of the 37 stations, with Arctic cisco present at 18 stations. The two species together contributed 831 of the 976 fish caught (85.1 percent). Fourhorn sculpin and rainbow smelt were the third and fourth most abundant species in 1991, but were not caught in 1992 or 1993. Similarly, Alaska blackfish were the second most abundant species in 1993, but not caught in the previous two years. The 1991 survey focused on river channels and tapped lakes, which are habitats to which these marine-associated species would have greater access during the fall.

Catch rates varied by habitat for each captured species (Figure 4). Arctic cisco were most abundant in river channels, with decreasing abundance in tapped lakes and isolated lakes.

Conversely, least cisco increased in abundance from river channel to isolated lake habitats. Broad whitefish, humpback whitefish and Alaska blackfish were only found in lakes (both tapped and isolated), while rainbow smelt and fourhorn sculpin were only found in river channels and tapped lakes. Round whitefish and burbot were only caught in isolated lakes.

The size of Arctic cisco increased from river channel to tapped lake to isolated lake habitat (Figure 5). Arctic cisco from river channels appeared to encompass all age groups expected to be in the region, based on size composition observed in summer fyke net sampling along the Beaufort Sea coast (LGL Alaska 1992). Age data indicated that age-1 fish (1990 year class) dominated the samples (Table 3). Arctic cisco from isolated lakes were primarily large fish at 340 mm or greater, some of which had reached maturity.

The size range of least cisco indicated a broad range of sizes in all habitats (Figure 6). Age data for least cisco indicated that more than one population was being sampled. The fish from river channels and tapped lakes had similar growth rates. Least cisco captured from isolated lakes reflected several different growth patterns, with some populations noticeably smaller for a given age than the anadromous form captured in river channels and tapped lakes, others noticeably larger and still others quite similar to the anadromous form (Figure 7, Appendix Table 14).

**Least Cisco Growth Forms**

The lake populations of least cisco were tentatively classified into three growth forms (normal, stunted and large) based on comparison with the age-length relationship observed in the least cisco caught in river channel and tapped lake stations, which are assumed to represent the anadromous population. The distribution of lakes containing these types is illustrated in Figure 8.

The large form fits the description of lake resident least cisco described by Lawrence et al. (1984) from the Mackenzie River delta:

"...compared to the anadromous type, the lake dwelling least cisco from the Tuktoyaktuk Peninsula and Richards Island grew larger, were deeper bellied, more darkly pigmented both dorsally and in the ventral fins, and had a less protruding jaw."

The largest fish were found in Lake 9307, where least cisco reached an average of 404 mm by age 11, and an observed maximum length of 430 mm. This is in contrast to McPhail and Lindsey (1970) and Scott and Crossman (1973), who describe the anadromous form as being larger than the non-migratory form, with the non-migratory form rarely exceeding 220 mm and lacking spotting.

The stunted form did not achieve the lengths-at-age normally found in the anadromous form, but the growth rates were too great for the fish to be considered the dwarf variety described by Mann and McCart (1981) and Philo et al. (1994), which rarely exceed 200 mm. The population with the smallest length-at-age was in Lake 9111, where least cisco averaged 248 mm by age 11. Maturity was reached by age 7 in males and age 9 in females, similar to the range reported for the anadromous form in the Colville River (Fawcett et al. 1986).

**Comparison with Historical Information**

Bendock and Burr (1986) reported data in a summarized form, thus it is not possible to compare size and abundance data by species on specific lakes. A comparison was possible for species presence and total CPUE (Tables 4 and 5). The results are reasonably consistent across years given the limited sampling conducted in each survey, although the number of species present appeared to be less during the 1991-1993 sampling. This reduction could be a result of the late fall sampling period because fish become less active as water temperature reduces and are not as susceptible to gill nets.

McElderry and Craig (1981) provided more detail on individual lakes. They report size ranges and mean length of fish in each lake. A comparison of mean lengths and ranges for least cisco indicates remarkably little difference between the two sampling periods, i.e. 1979

and 1991-1993 (Table 6). The minor differences may be caused by differences in mesh sizes. The other species show considerable shifts in the size structure of fish sampled, which should be expected given the small sample sizes involved.

One possible change between sampling periods is a reduction in the broad whitefish at Station 9107 (Lake 20). During summer sampling in 1979, there were multiple sizes present, while in the under-ice sampling in 1991, only larger fish were present. This difference could reflect either seasonal use patterns or long-term changes in utilization of the lake.

## CONCLUSIONS

The survey indicated that over-wintering areas within delta channels off of the main river were limited in number and likely represented a small proportion of the surface area covered by the surveyed channels. In contrast, the lakes within the delta appeared to offer substantial opportunities for over-wintering. Many of the surveyed lakes contained water in excess of 2 m, with depths to 9 m recorded.

Three of the tapped lakes and one isolated lake near the coast showed elevated salinities during November. The lakes with elevated salinities may provide marginal habitat for freshwater species, but would be suitable for anadromous species, such as Arctic cisco, least cisco and rainbow smelt, if hypersaline conditions do not develop prior to break-up.

Species composition, relative abundance and size of fish in the survey area was similar to that previously reported during summer surveys. There were no noticeable changes that would indicate fish vacate the minor delta channels and tapped lakes prior to freeze-up. The observations are consistent with the hypothesis that fish move from the delta channels into the tapped lakes to take advantage of the greater volume of water represented by the latter habitat type.

Differential use of delta habitats by the various species was indicated by the catch patterns.

Arctic cisco were primarily found in river channel habitat with low catch rates of this species in both tapped and isolated lakes. Catch rates decreased as the mean salinity of the habitat decreased. In contrast, least cisco catches increased with decreasing salinity, with catches lowest in river channels and highest in isolated lakes.

The survey indicated that least cisco commonly inhabit isolated lakes within the Colville Delta and are abundant in some lakes. Least cisco have developed reproductively-isolated populations that reflect different growth forms in the variety of lakes found across the delta. Factors that lead to the development of one growth form over another are not known.

Broad whitefish and humpback whitefish may also be able to develop lake-resident populations, but the sample sizes were insufficient to address this point. Arctic cisco are not known to reproduce successfully in the Colville Delta, thus it is likely that most of these fish immigrate into the isolated lakes during high water and become stranded.

## ACKNOWLEDGEMENTS

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Table 1. Sampling stations used during Colville Delta Winter Fish Habitat Study 1991-1993

| Station Number | Latitiude | Longitude | Date Sampled | Depth (m) | Mean Salinity (ppt) | Lake Area (hectares) | Habitat[1] |
|---|---|---|---|---|---|---|---|
| 9101 | 70°24.46' | 150°35.00' | Nov 2 91 | 2.0 | 8.2 | | RC |
| 9102 | 70°26.34' | 150°36.54' | Nov 3 91 | 4.0 | 13.7 | 76 | TL |
| 9103 | 70°23.77' | 150°41.12' | Nov 3 91 | 3.0 | 5.6 | | RC |
| 9104 | 70°23.91' | 150°43.99' | Nov 5 91 | 9.0 | 16.9 | | RC |
| 9105 | 70°24.26' | 150°45.10' | Nov 5 91 | 2.5 | 8.5 | 23 | TL |
| 9106 | 70°25.53' | 150°41.86' | Nov 6 91 | 4.0 | 0.0 | 87 | TL |
| 9107 | 70°24.93' | 150°41.88' | Nov 6 91 | 2.5 | 4.0 | 157 | TL |
| 9108 | 70°24.47' | 150°52.21' | Nov 7 91 | 3.5 | 10.0 | | RC |
| 9109 | 70°24.55' | 150°54.12' | Nov 7 91 | 5.0 | 11.2 | | RC |
| 9110 | 70°24.07' | 150°56.68' | Nov 9 91 | 4.0 | 11.7 | | RC |
| 9111 | 70°22.59' | 150°50.98' | Nov 9 91 | 3.0 | 0.0 | 231 | IL |
| 9201 | 70°25.62' | 150°31.49' | Nov 6 92 | 3.0 | 2.6 | 57 | TL |
| 9202 | 70°26.76' | 150°31.27' | Oct 28 92 | 2.7 | 2.0 | 0 | IL |
| 9203 | 70°27.45' | 150°31.08 | Oct 28 92 | 3.7 | 2.5 | 25 | IL |
| 9204 | 70°27.34' | 150°34.00' | Nov 2 92 | 6.4 | 0.6 | 13 | IL |
| 9205 | 70°26.48' | 150°34.39' | Oct 30 92 | 8.5 | 0.5 | 27 | IL |
| 9206 | 70°26.38' | 150°34.66' | Oct 30 92 | 4.6 | 0.0 | 11 | IL |
| 9207 | 70°27.52' | 150°38.79' | Oct 31 92 | 5.2 | 1.0 | 12 | TL |
| 9208 | 70°26.53' | 150°43.38' | Nov 1 92 | 5.5 | 0.5 | 49 | IL |
| 9209 | 70°24.95' | 150°44.16' | Nov 1 92 | 5.5 | 0.2 | 49 | IL |
| 9210 | 70°26.90' | 150°50.94' | Nov 3 92 | 3.5 | 4.2 | 7 | IL |
| 9211 | 70°26.11' | 150°51.70' | Nov 3 92 | 4.6 | 0.9 | 19 | IL |
| 9212 | 70°24.94' | 150°51.49' | Nov 4 92 | 4.0 | 1.3 | 42 | IL |
| 9213 | 70°24.61' | 150°55.14' | Nov 4 92 | 4.3 | 0.5 | 50 | IL |
| 9301 | 70°27.02' | 150°31.20' | Oct 28 93 | 2.4 | 0.1 | 8 | IL |
| 9302 | 70°25.87' | 150°35.58' | Oct 28 93 | 3.0 | 0.0 | 28 | IL |
| 9303 | 70°24.84' | 150°32.31' | Oct 28 93 | 2.7 | 0.0 | 12 | TL |
| 9304 | 70°24.15' | 150°27.60' | Oct 31 93 | 2.4 | 0.0 | 5 | IL |
| 9305 | 70°20.35' | 150°38.20' | Oct 31 93 | 4.9 | 0.0 | 54 | IL |
| 9306 | 70°20.11' | 150°41.36' | Nov 2 93 | 4.6 | 0.0 | 135 | IL |
| 9307 | 70°20.34' | 150°46.70' | Nov 2 93 | 2.4 | 0.0 | 49 | IL |
| 9308 | 70°21.28' | 150°46.47' | Nov 3 93 | 4.3 | 0.0 | 92 | IL |
| 9309 | 70°21.12' | 150°48.63' | Nov 3 93 | 3.0 | 0.0 | 13 | IL |
| 9310 | 70°22.03' | 150°45.60' | Nov 4 93 | 2.4 | 0.0 | 13 | IL |
| 9311 | 70°23.13' | 150°42.67' | Nov 4 93 | 2.7 | 2.2 | 44 | TL |
| 9312 | 70°25.46' | 150°50.32' | Nov 5 93 | 7.6 | 1.3 | 88 | IL |
| 9313 | 70°25.41' | 150°53.69' | Nov 5 93 | 3.7 | 0.7 | 54 | IL |

[1]Habitat: RC = river channel
IL = isolated lake
TL = tapped lake

Table 2. Summary of species caught by station during Colville Delta Winter Fish Habitat Study, 1991-1993.

| Station | Date | Arctic cisco | Least cisco | Broad whitefish | Humpback whitefish | Round Whitefish | Alaska Blackfish | Burbot | Rainbow smelt | Fourhorn sculpin | Total Catch |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 9101 | Nov 2 91 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 11 |
| 9101 | Nov 3 91 | 25 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 34 |
| 9102 | Nov 3 91 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 |
| 9102 | Nov 5 91 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 12 |
| 9103 | Nov 3 91 | 22 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 38 |
| 9104 | Nov 5 91 | 8 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 12 |
| 9104 | Nov 6 91 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 6 |
| 9104 | Nov 7 91 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 |
| 9105 | Nov 5 91 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 9105 | Nov 6 91 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 7 |
| 9106 | Nov 6 91 | 0 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| 9106 | Nov 7 91 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 9107 | Nov 6 91 | 3 | 13 | 4 | 1 | 0 | 0 | 0 | 0 | 1 | 22 |
| 9108 | Nov 7 91 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9108 | Nov 9 91 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9109 | Nov 7 91 | 7 | 6 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 17 |
| 9109 | Nov 9 91 | 8 | 5 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 18 |
| 9109 | Nov 10 91 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| 9110 | Nov 9 91 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 23 |
| 9110 | Nov 10 91 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 6 |
| 9111 | Nov 9 91 | 0 | 150 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 150 |
| | | | | | | | | | | | |
| 9201 | Nov 6 92 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 9202 | Oct 28 92 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9203 | Oct 28 92 | 4 | 11 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| 9204 | Nov 2 92 | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| 9205 | Oct 30 92 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 9206 | Oct 30 92 | 1 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| 9207 | Oct 31 92 | 3 | 3 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 10 |
| 9208 | Nov 1 92 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 3 |

Table 2. Summary of species caught by station during Colville Delta Winter Fish Habitat Study, 1991-1993.

| Station | Date | Arctic cisco | Least cisco | Broad whitefish | Humpback whitefish | Round Whitefish | Alaska Blackfish | Burbot | Rainbow smelt | Fourhorn sculpin | Total Catch |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 9209 | Nov 1 92 | 0 | 12 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| 9210 | Nov 3 92 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9211 | Nov 3 92 | 8 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| 9212 | Nov 4 92 | 0 | 87 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 87 |
| 9213 | Nov 4 92 | 0 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 |
| 9301 | Oct 28 93 | 5 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| 9302 | Oct 28 93 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 9303 | Oct 28 93 | 1 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| 9304 | Oct 31 93 | 0 | 20 | 2 | 0 | 2 | 0 | 2 | 0 | 0 | 26 |
| 9305 | Oct 31 93 | 0 | 7 | 18 | 1 | 2 | 10 | 2 | 0 | 0 | 40 |
| 9306 | Nov 2 93 | 0 | 11 | 7 | 0 | 0 | 0 | 1 | 0 | 0 | 19 |
| 9307 | Nov 2 93 | 0 | 48 | 1 | 0 | 0 | 6 | 0 | 0 | 0 | 55 |
| 9308 | Nov 3 93 | 0 | 64 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 66 |
| 9309 | Nov 3 93 | 0 | 1 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 5 |
| 9310 | Nov 4 93 | 1 | 0 | 0 | 0 | 0 | 13 | 0 | 0 | 0 | 14 |
| 9311 | Nov 4 93 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 |
| 9312 | Nov 5 93 | 0 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| 9313 | Nov 5 93 | 0 | 79 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 79 |
| 1991 Total: | | 108 | 213 | 9 | 1 | 0 | 0 | 0 | 39 | 12 | 382 |
| 1992 Total: | | 19 | 200 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 228 |
| 1993 Total: | | 8 | 283 | 30 | 1 | 4 | 35 | 5 | 0 | 0 | 366 |
| All Years: | | 135 | 696 | 46 | 4 | 4 | 35 | 5 | 39 | 12 | 976 |

Table 3. Length at age for Arctic cisco captured in the Colville River delta during 1991-1993 gillnet sampling.

| Age (years) | Mean Length (mm) | Standard Deviation | Number of Fish |
|---|---|---|---|
| 1 | 121.9 | 8.4 | 44 |
| 2 | 163.3 | 6.3 | 4 |
| 3 | 182.5 | 12.7 | 11 |
| 4 | 250.7 | 16.8 | 23 |
| 5 | 283.1 | 17.0 | 16 |
| 6 | 316.2 | 8.9 | 5 |
| 7 | 356.5 | 19.1 | 2 |
| 8 | 335.0 | 21.2 | 2 |
| 9 | 385.5 | 0.7 | 2 |
| 10 | 375.5 | 26.2 | 2 |
| 11 | 367.0 | | 1 |
| 12 | 404.5 | 34.6 | 2 |
| 13 | 381.0 | 12.7 | 2 |
| 14 | 363.0 | | 1 |
| 15 | 393.0 | 43.5 | 3 |
| 16 | 405.5 | 13.4 | 2 |
| 17 | 408.0 | | 1 |
| 18 | 410.0 | 28.3 | 2 |
| Total Examined: | | | 125 |

Table 4. Comparison of fish species present in lakes sampled during 1991-1993 in the Colville River delta to sampling conducted in 1979 and 1985 (all meshes combined).

| Station | Bendock Lake No. | 1991-1993 Species (winter) | Previous Sample Year | Previous Species (summer) |
|---|---|---|---|---|
| 9102 | 43 | ARCS<br>RBSM | 1985 | ARCS<br>LSCS<br>BDWF<br>RDWF<br>ARFL<br>FHSC |
| 9106 | 39 | LSCS<br>BDWF | 1985 | LSCS<br>BDWF |
| 9107 | 20 | ARCS<br>LSCS<br>BDWF<br>HBWF<br>FHSC | 1979 | ARCS<br>LSCS<br>BDWF<br>HBWF<br>RBSM<br>ARFL<br>FHSC |
| 9111 | 14 | LSCS | 1979 | LSCS |
| 9201 | 41 | ARCS | 1985 | LSCS<br>BDWF<br>LNSK<br>FHSC |
| 9205 | 42 | LSCS | 1985 | ARCS<br>LSCS<br>BDWF |

| | | | |
|---|---|---|---|
| ARCS: | Arctic cisco | LNSK: | Longnose sucker |
| LSCS: | Least cisco | RBSM: | Rainbow smelt |
| BDWF: | Broad whitefish | ARFL: | Arctic flounder |
| HBWF: | Humpback whitefish | FHSC: | Fourhorn sculpin |
| RDWF: | Round whitefish | | |

1979 sampling by McElderry and Craig (1981)
1985 sampling by Bendock and Burr (1986)

Table 5. Total CPUE in lakes sampled during 1991-1993 sampling in the Colville River delta compared to previously-reported total CPUE (all meshes combined).

| Station | Bendock Lake No. | 1991-1993 CPUE (winter) (fish/hr) | Previous Sample Year | Previous CPUE (summer) (fish/hr) |
|---|---|---|---|---|
| 9102 | 43 | 0.26 | 1985 | 0.49 |
| 9106 | 39 | 0.33 | 1985 | 0.80 |
| 9107 | 20 | 1.31 | 1979 | 4.60 |
| 9111 | 14 | 4.25 | 1979 | 4.00 |
| 9201 | 41 | 0.11 | 1985 | 0.37 |
| 9205 | 42 | 0.13 | 1985 | 0.25 |

CPUE = fish per hour per 150 ft of net

1979 sampling by McElderry and Craig (1981)
1985 sampling by Bendock and Burr (1986)

Table 6. Comparison of mean lengths and length ranges between lakes sampled in 1991-1993 and 1979 in the Colville River delta (all meshes combined).

| | | | 1991-1993 | | | 1979 | | |
|---|---|---|---|---|---|---|---|---|
| Station | McElderry & Craig Lake No. | Species | Mean Length (mm) | Length Range (mm) | Number | Mean Length (mm) | Length Range (mm) | Number |
| 9107 | 20 | ARCS | 161 | 114-245 | 3 | 309 | 247-352 | 5 |
| | | LSCS | 272 | 151-335 | 13 | 259 | 130-332 | 50 |
| | | BDWF | 358 | 343-370 | 4 | 309 | 120-445 | 26 |
| | | HBWF | 164 | 164 | 1 | 352 | 332-372 | 2 |
| 9111 | 13 | LSCS | 245 | 125-340 | 150 | 221 | 130-367 | 83 |

1979 data from McElderry and Craig (1981)

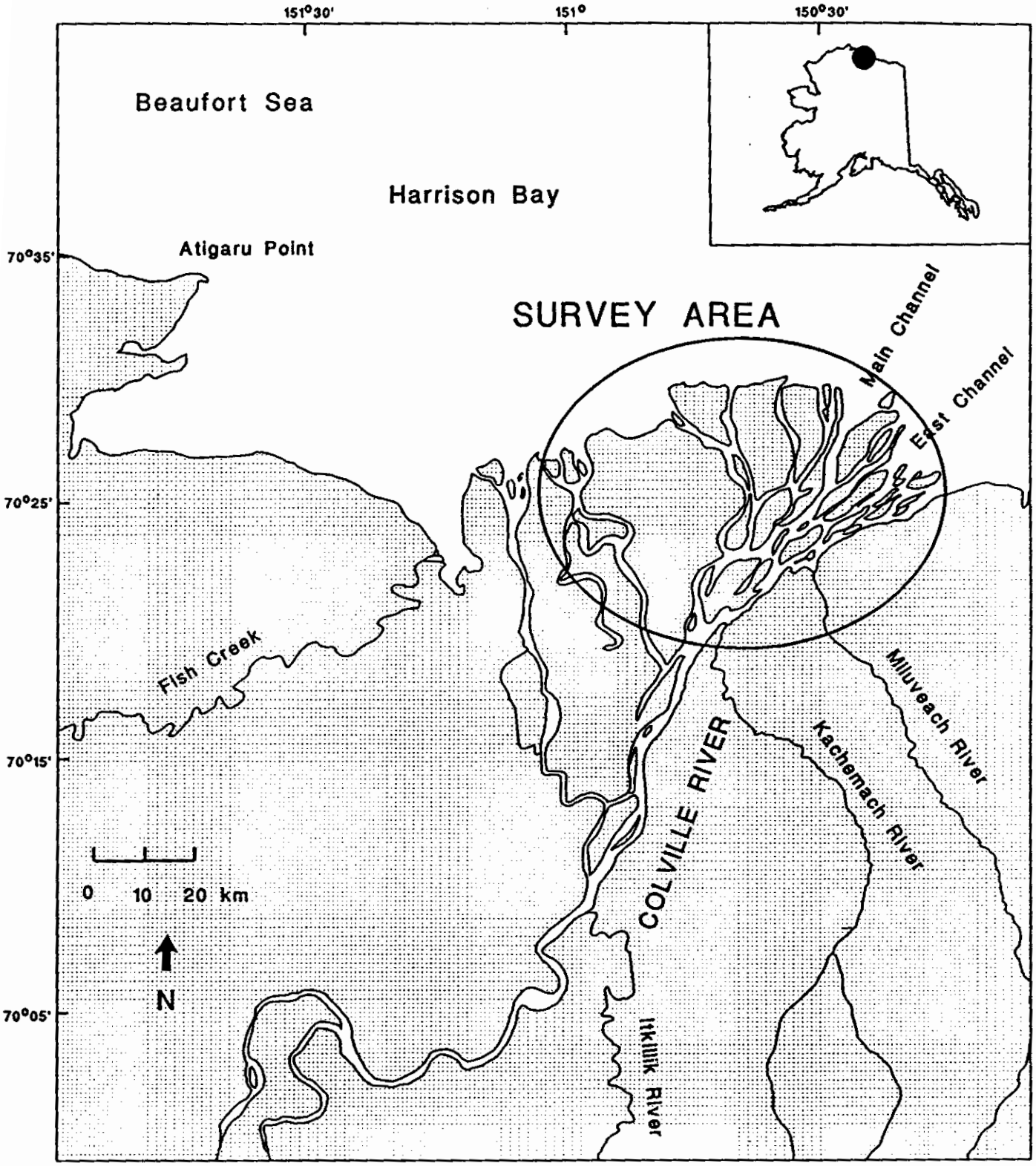



Figure 1. General sampling area within the Colville Delta, 1991-1993.

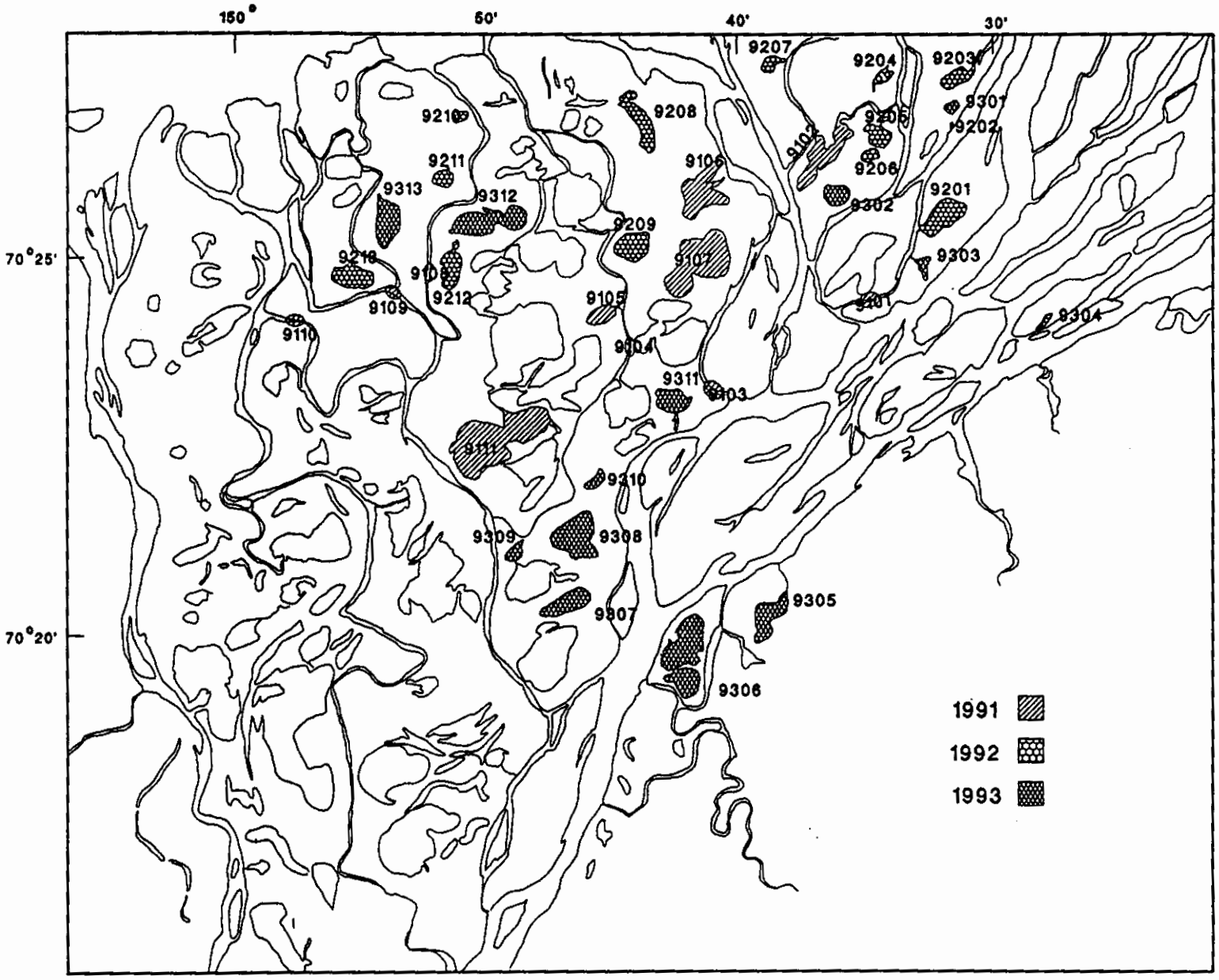



Figure 2. Stations in the Colville Delta sampled by variable mesh gill nets during October and November, 1991-1993.

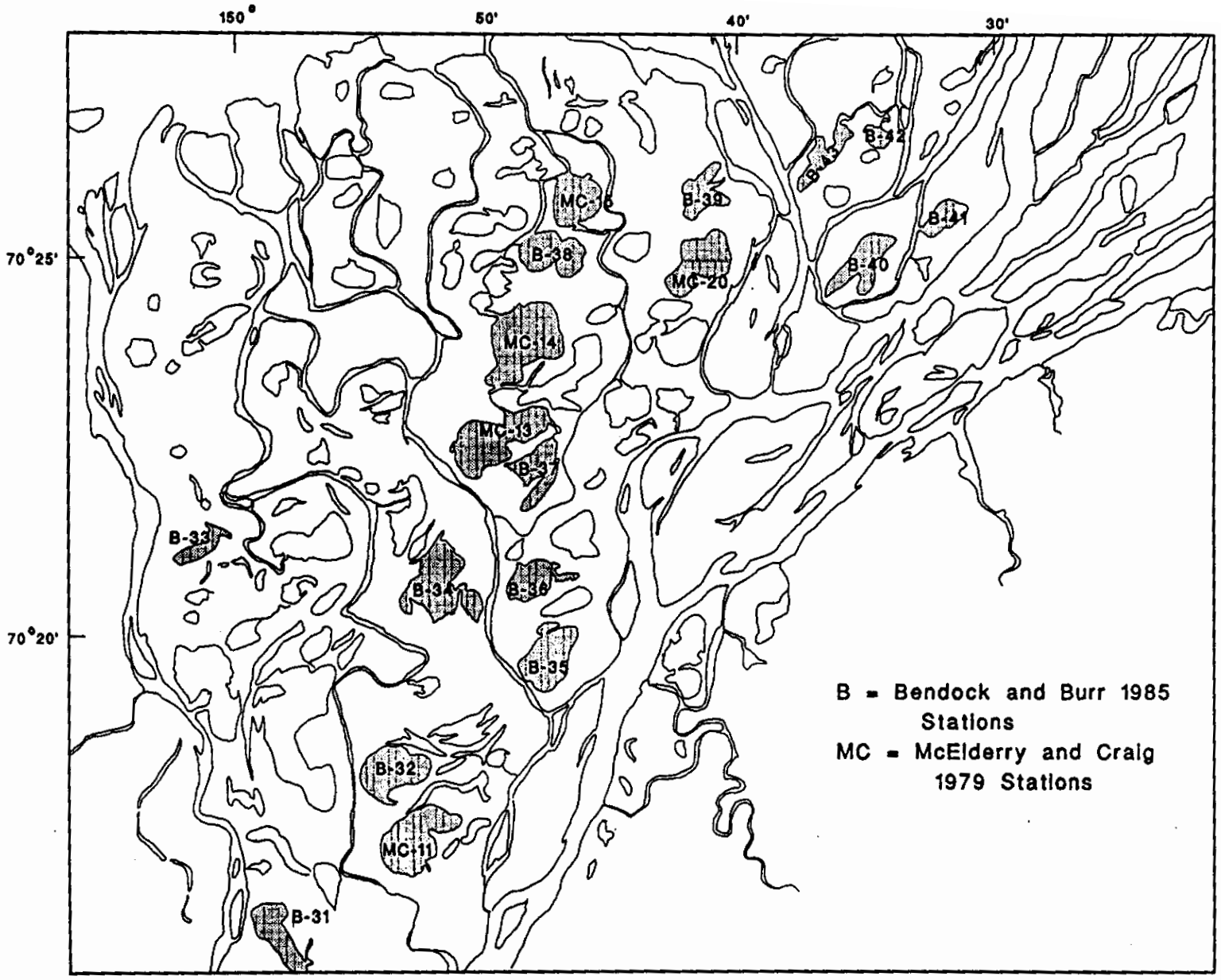



Figure 3. Stations sampled by Bendock and Burr in 1985 or McElderry and Craig in 1979.

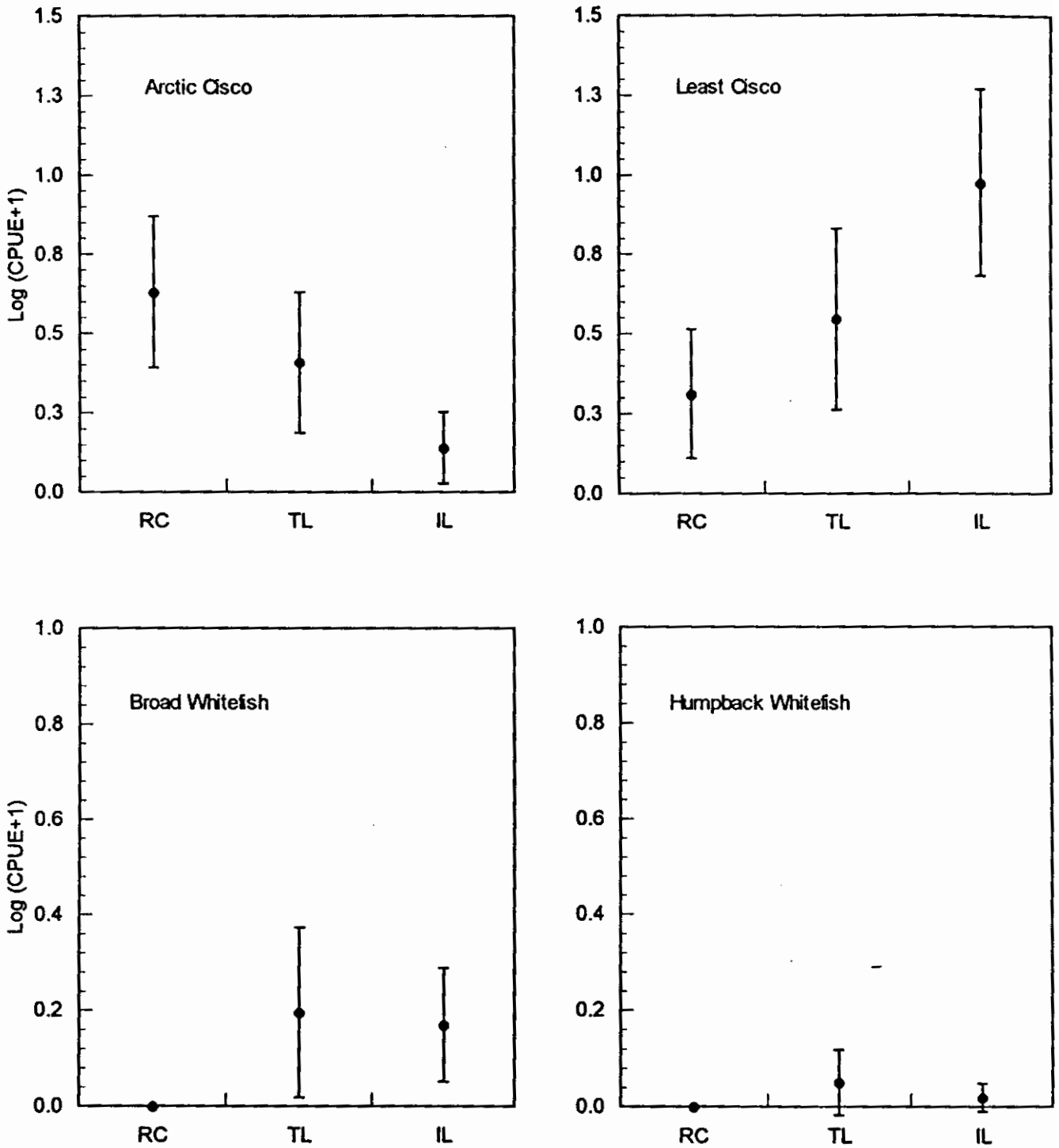



Figure 4. Mean catch rate by habitat for fish species captured during the 1991-1993 Colville Delta Fish Habitat Study (RC = river channel, TL = tapped lake, IL = isolated lake; vertical bars = 2 standard errors).

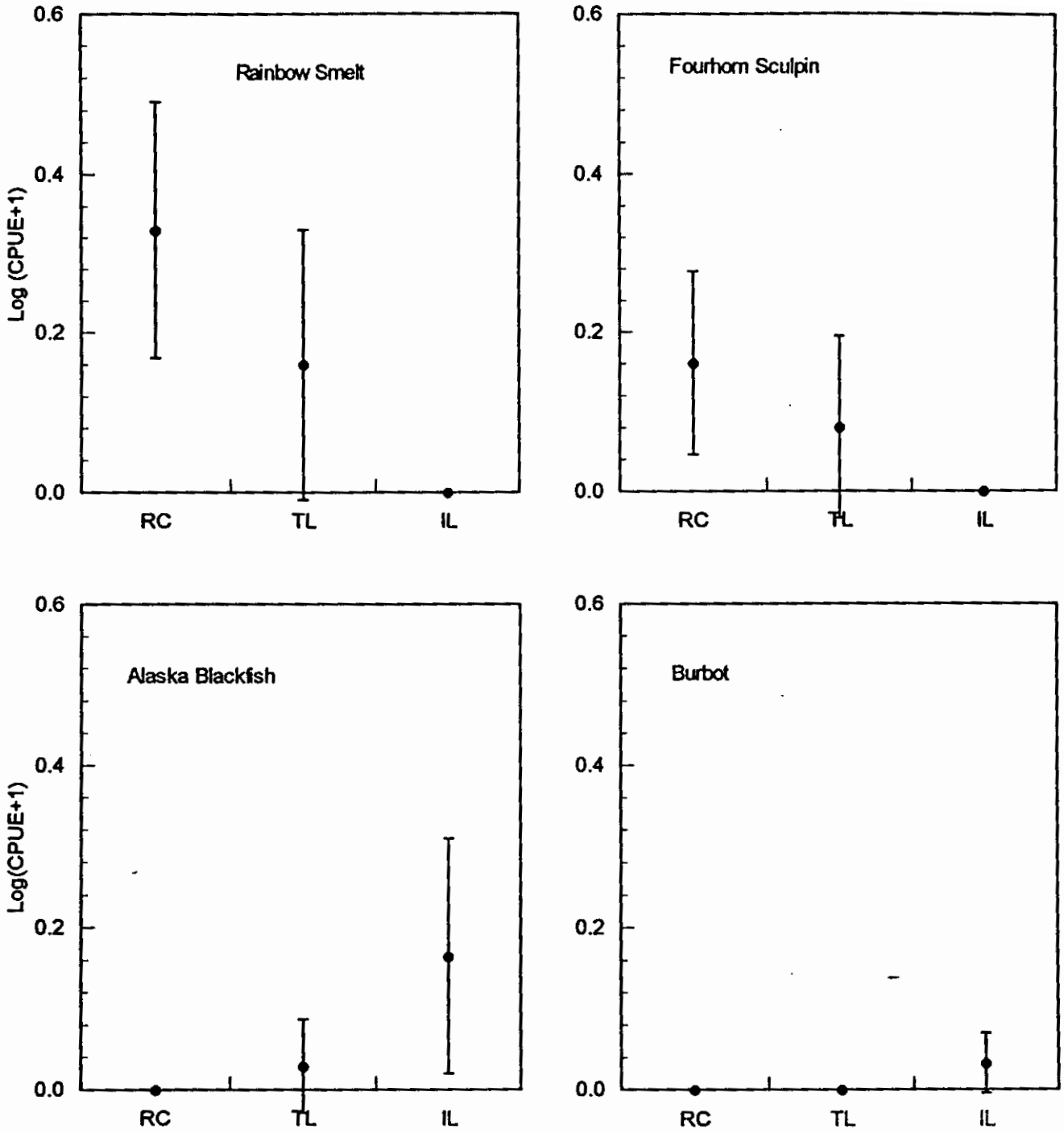



Figure 4. continued.

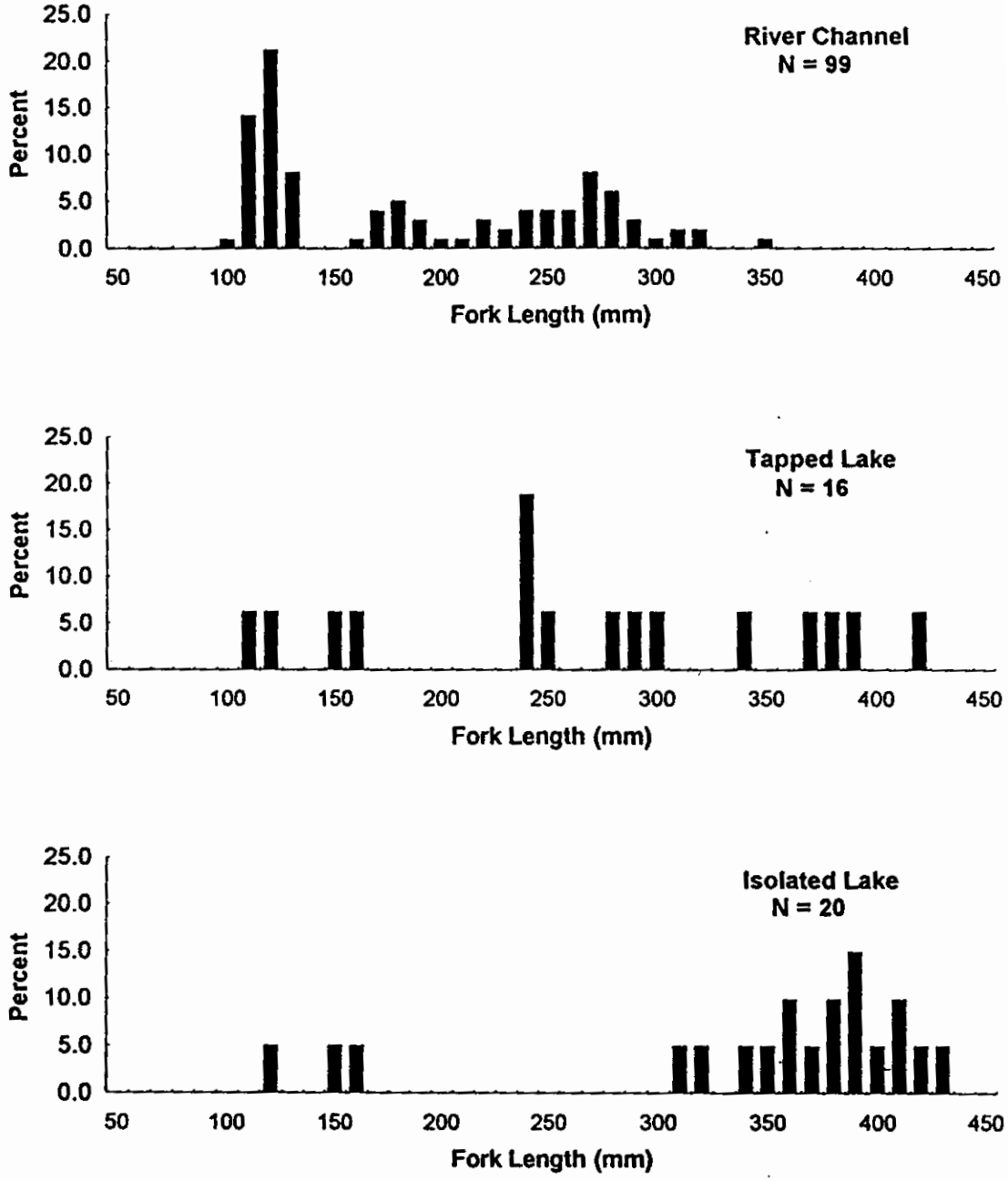



Figure 5. Size distribution of Arctic cisco captured during 1991-1993 sampling in Colville Delta habitats.

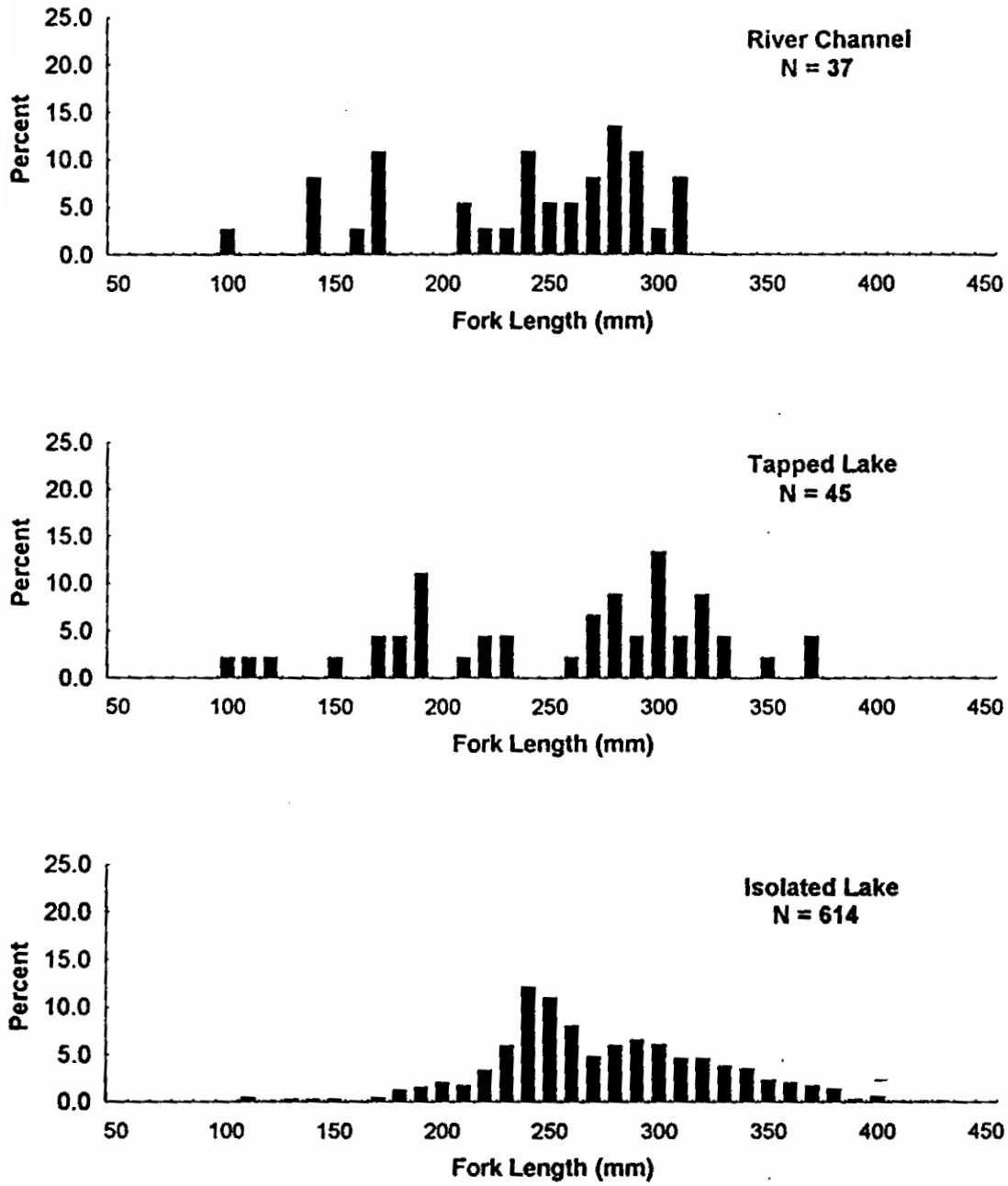



Figure 6. Size distribution of least cisco captured during 1991-1993 sampling in Colville Delta habitats.

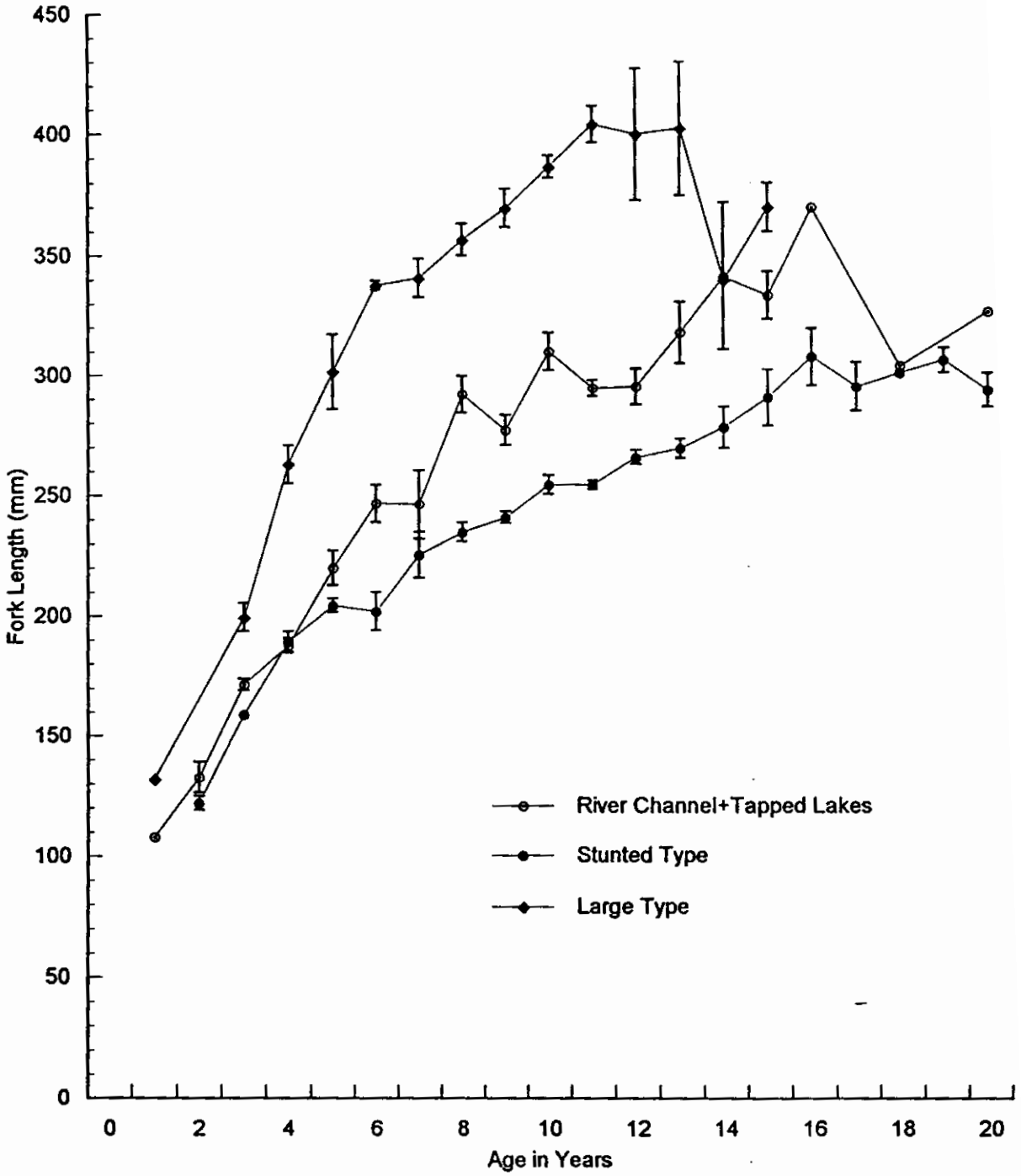



Figure 7. Mean length at age for least cisco by growth forms identified during sampling in the Colville Delta, 1991-1993.

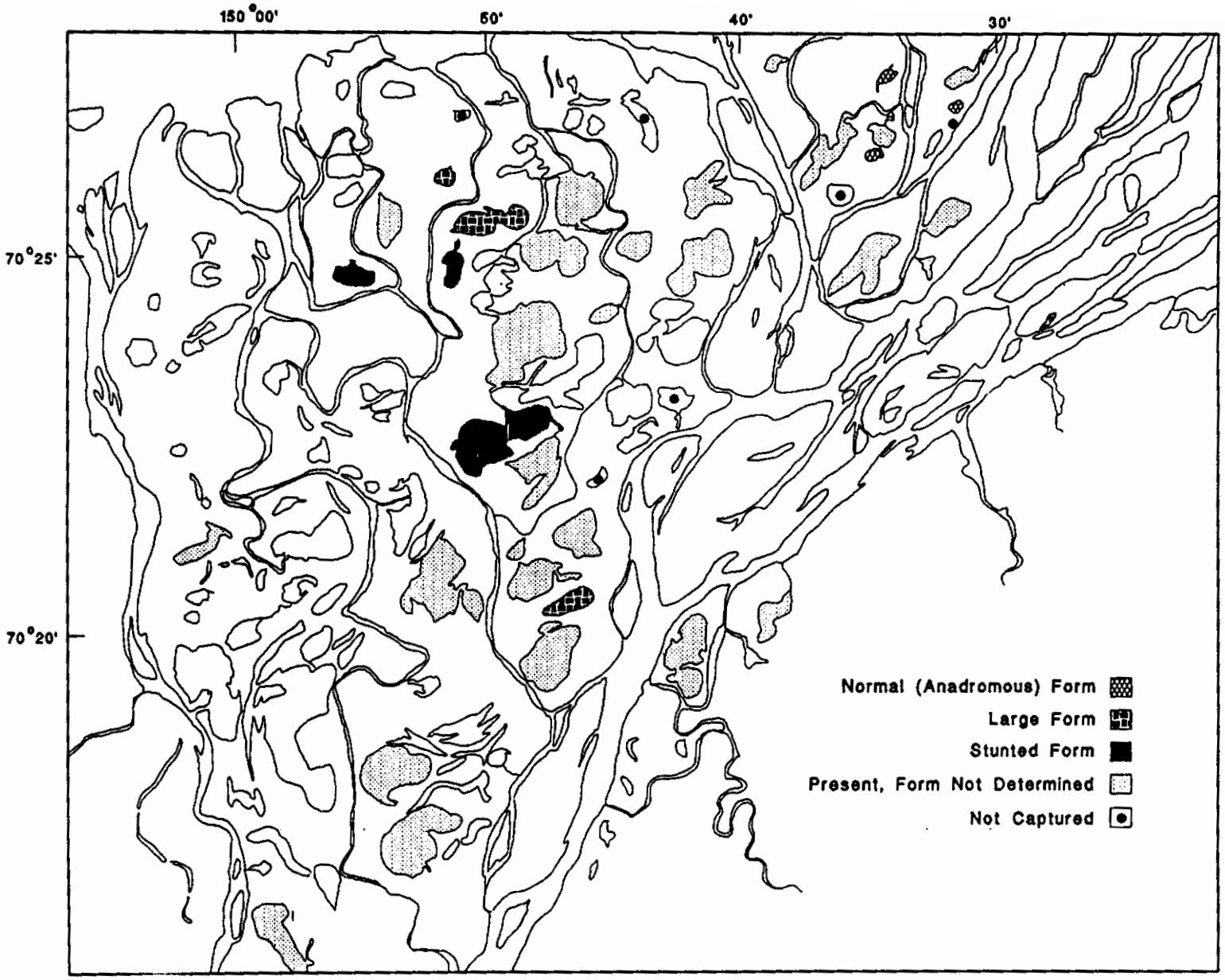
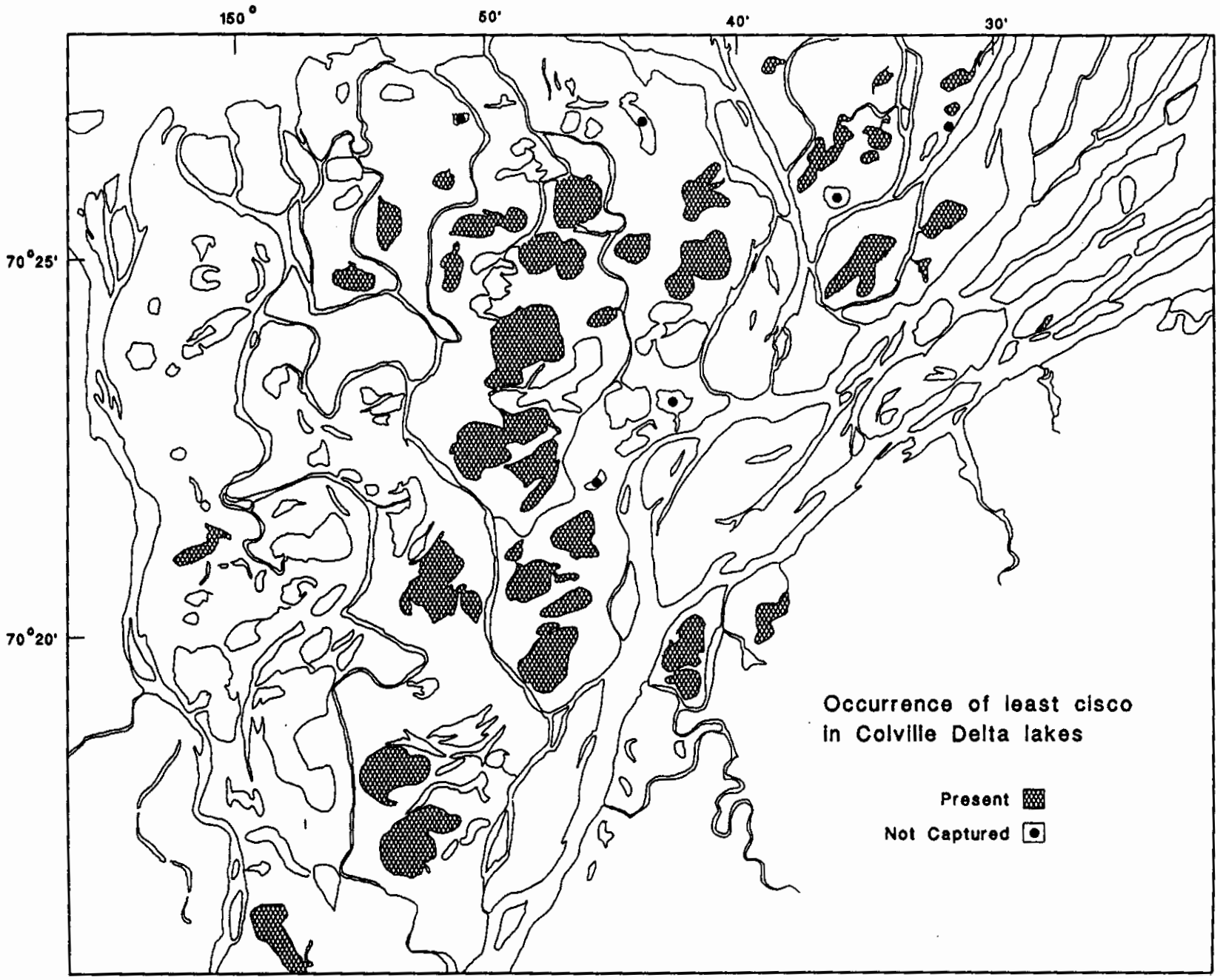
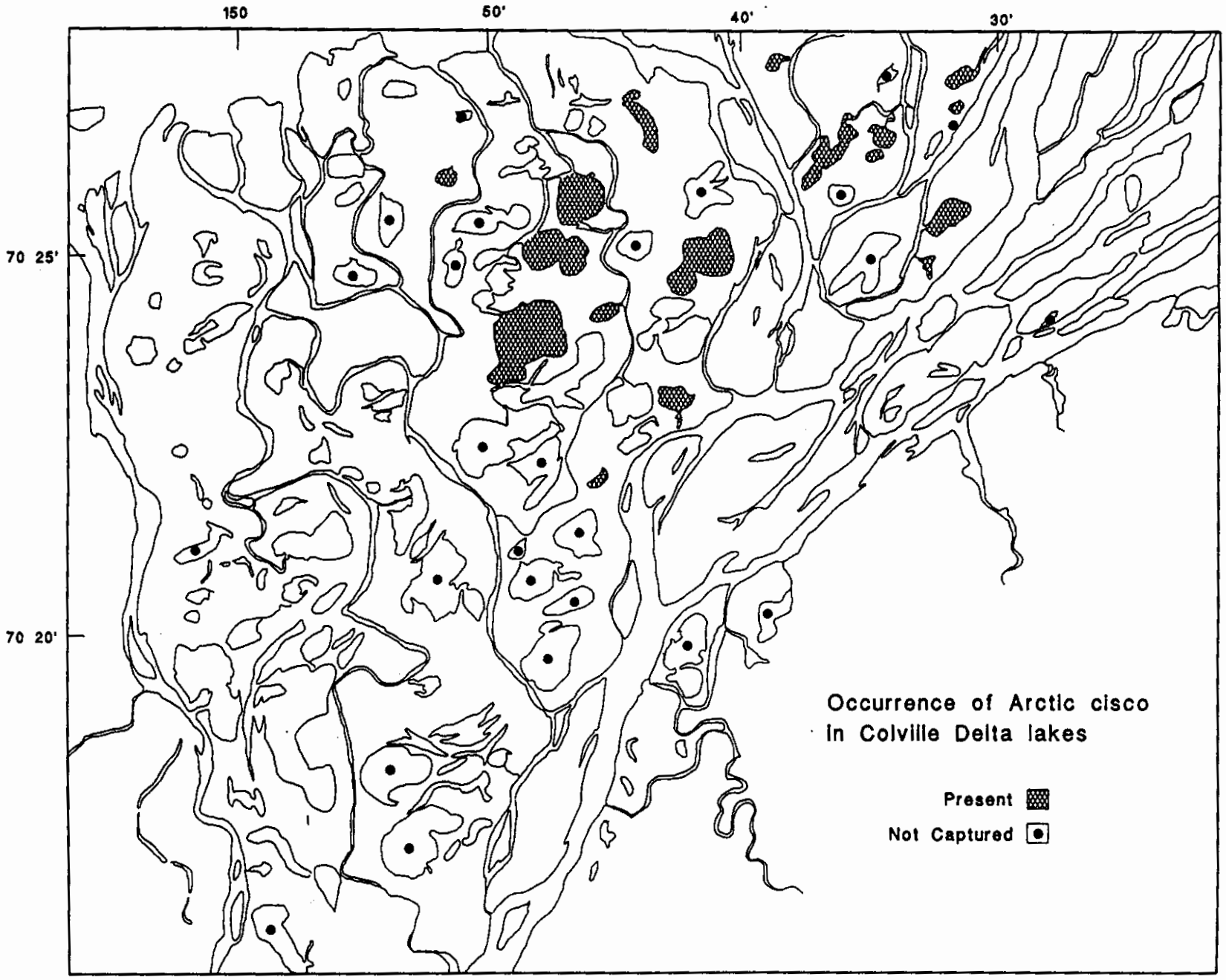
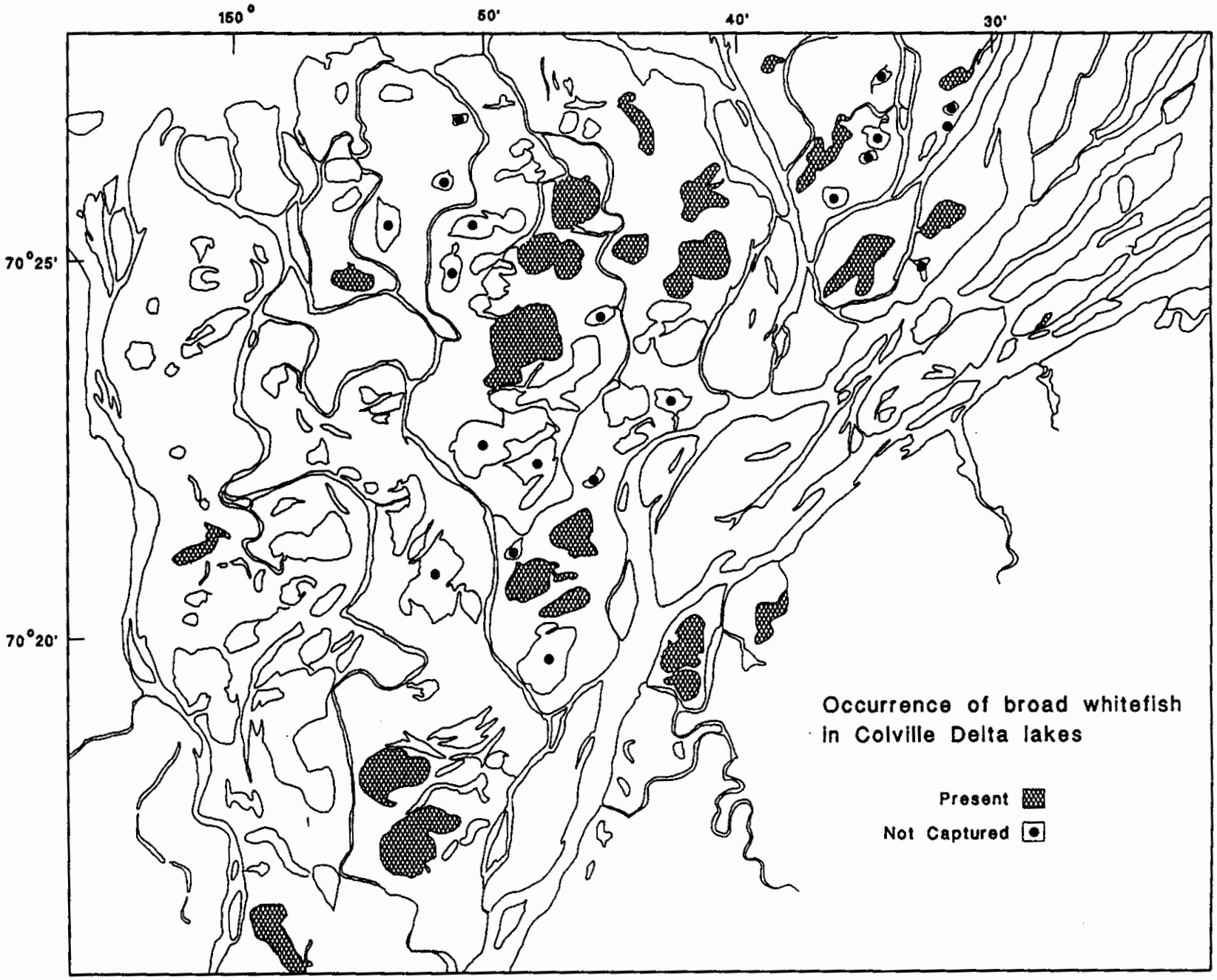


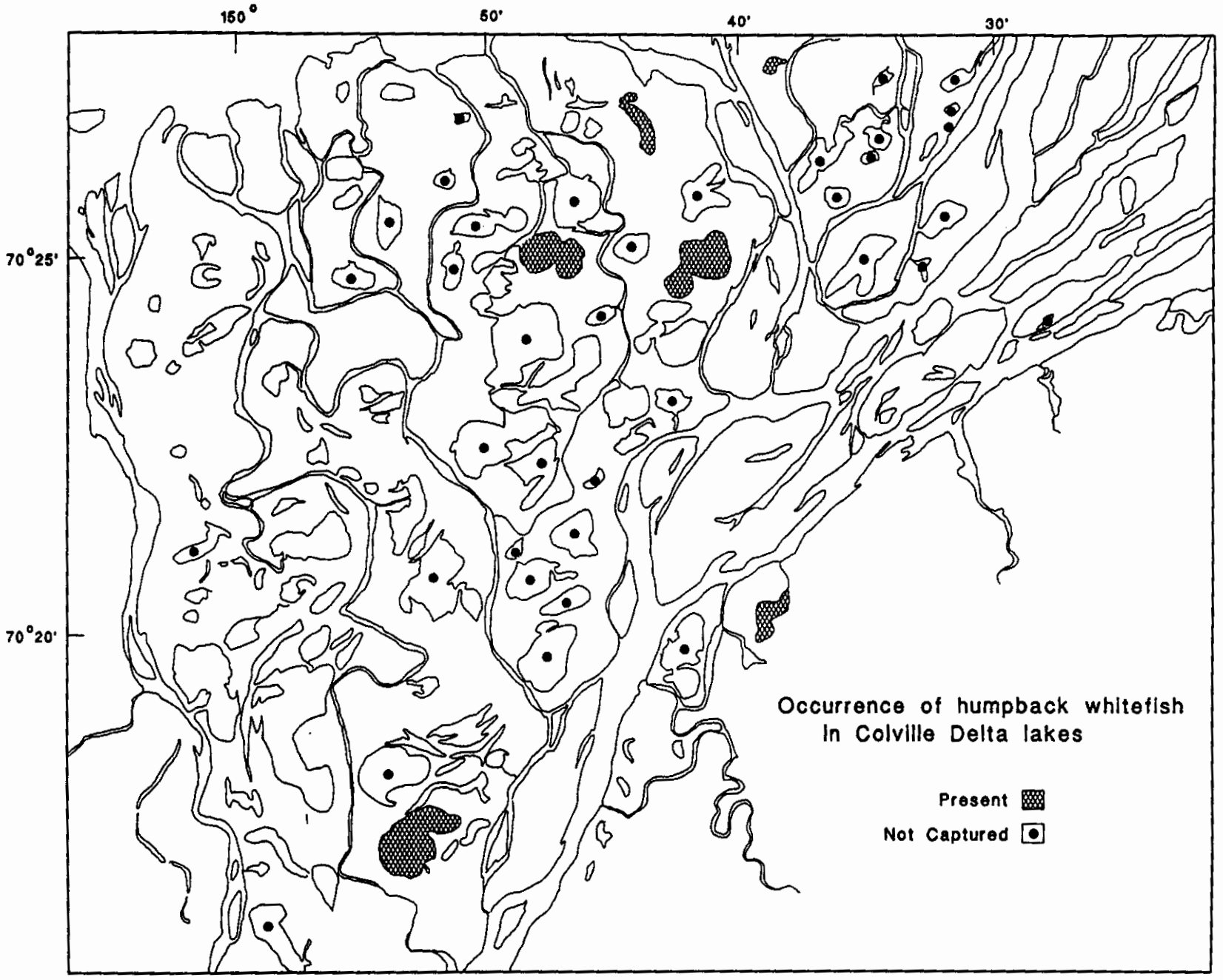

Figure 8. Distribution of least cisco growth forms identified during 1991-1993 sampling in the Colville Delta.

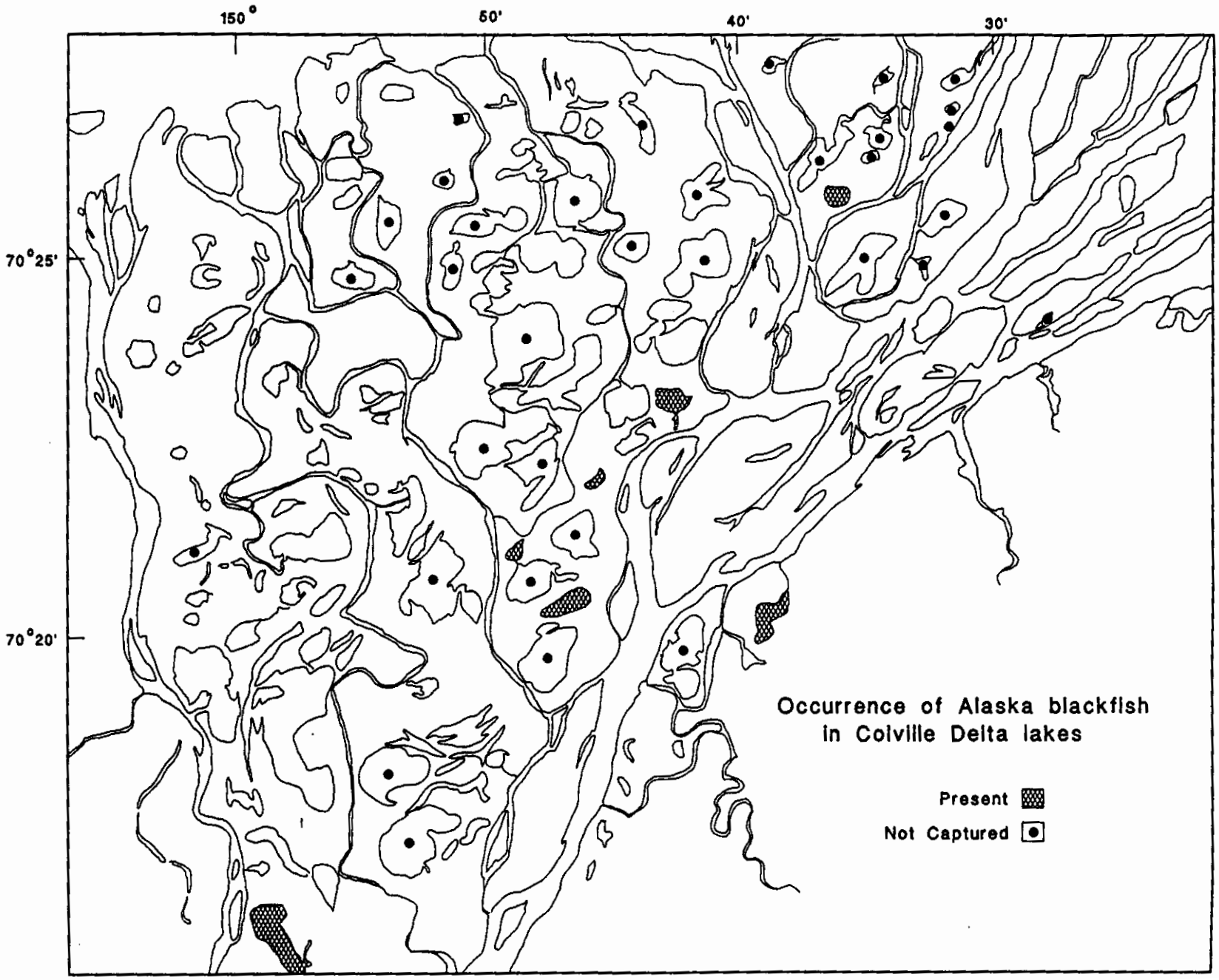
## SPECIES DISTRIBUTION MAPS

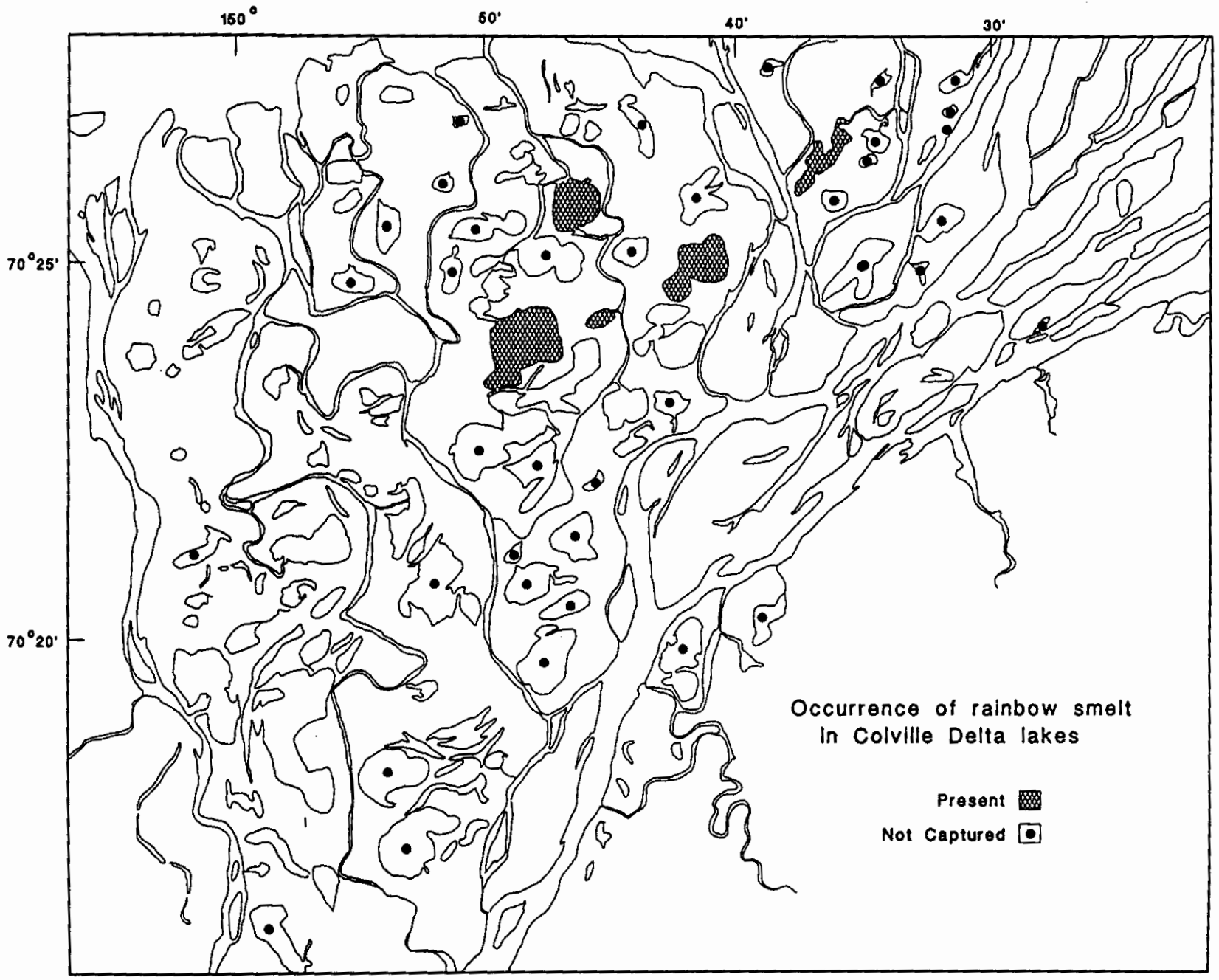

150°
50'
40'
30'
70°25'
70°20'
Occurrence of least cisco
in Colville Delta lakes
Present
Not Captured

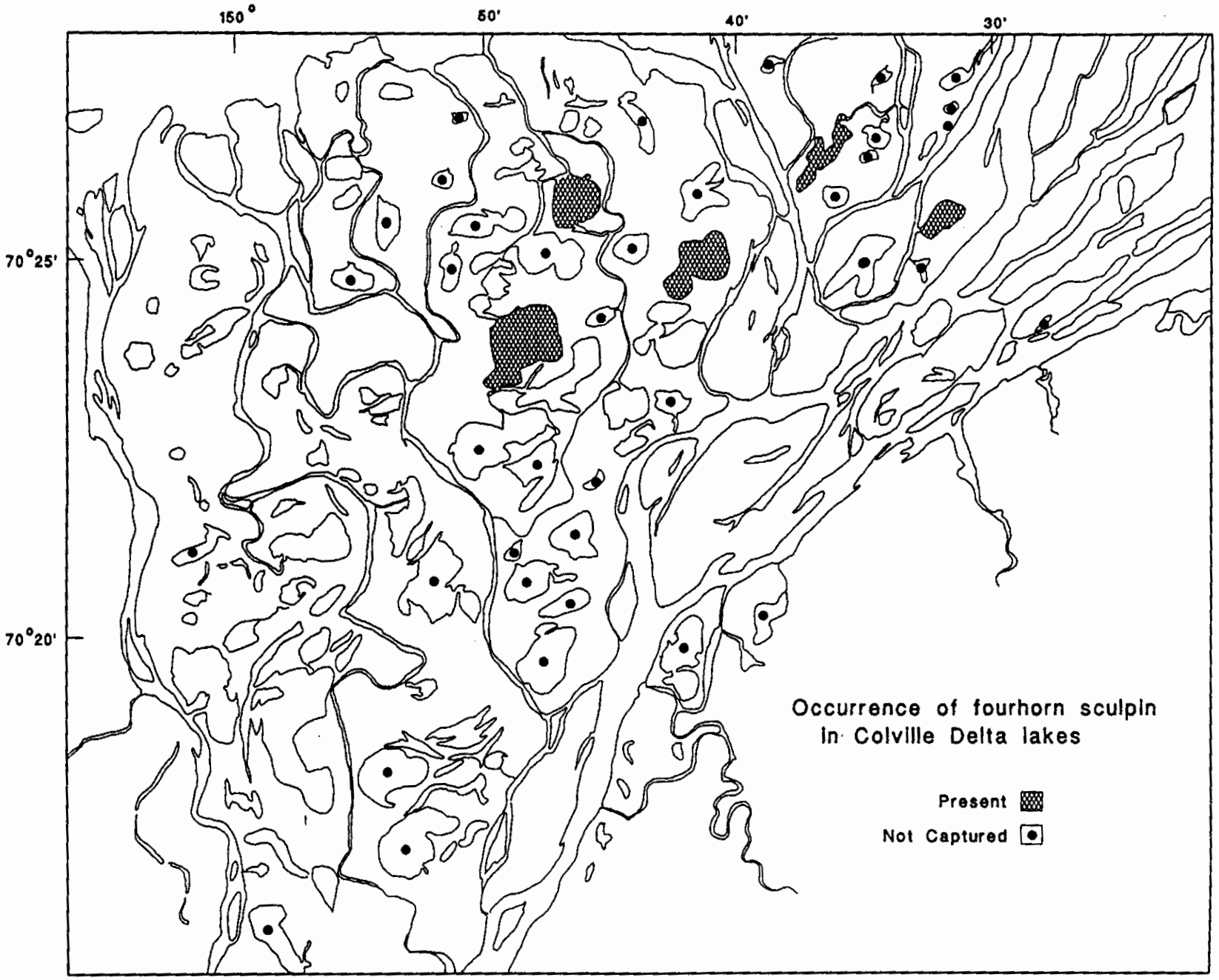

150
50'
40'
30'
70 25'
70 20'
Occurrence of Arctic cisco
in Colville Delta lakes
Present
Not Captured

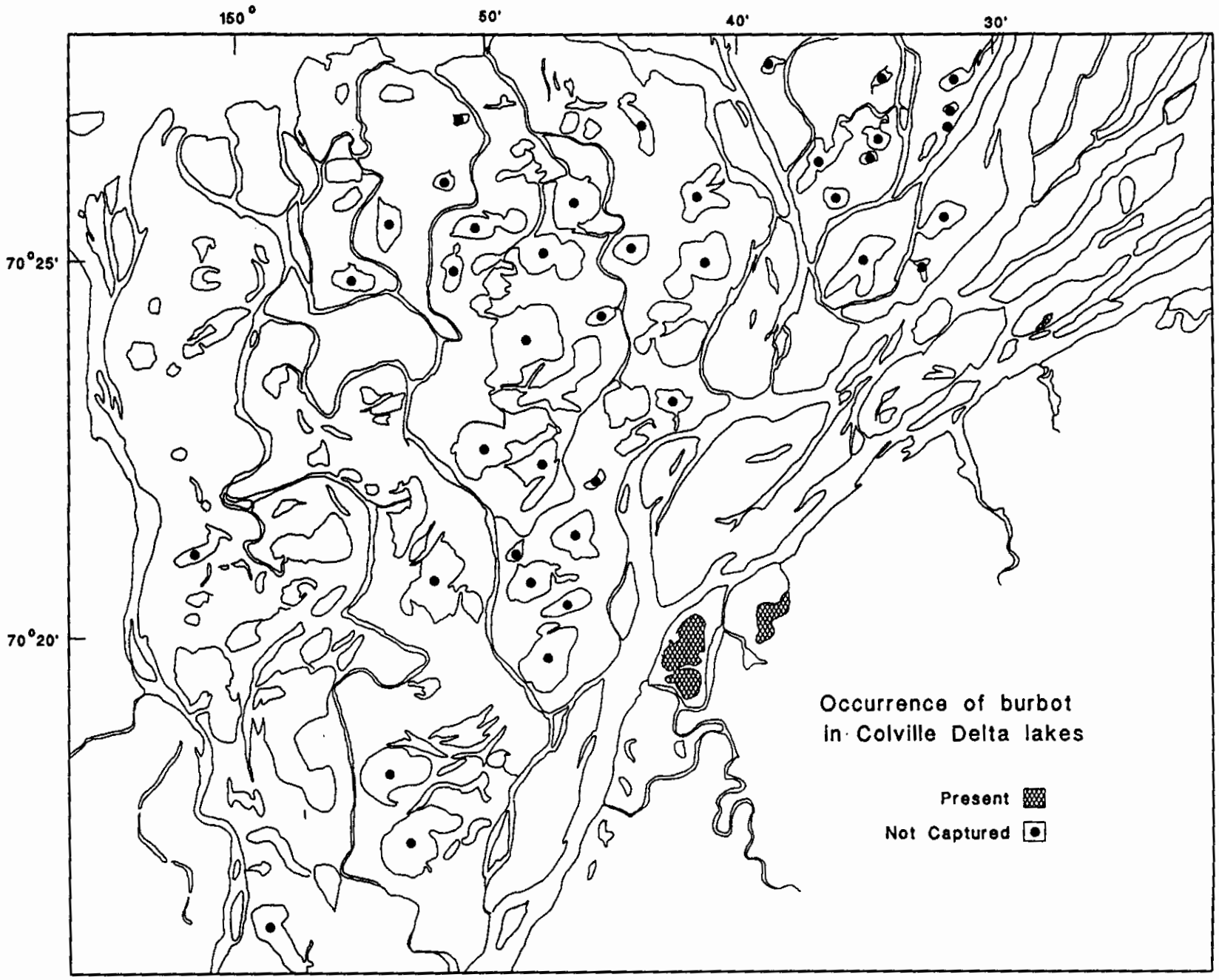

150°
50'
40'
30'
70°25'
70°20'
Occurrence of broad whitefish
in Colville Delta lakes
Present
Not Captured

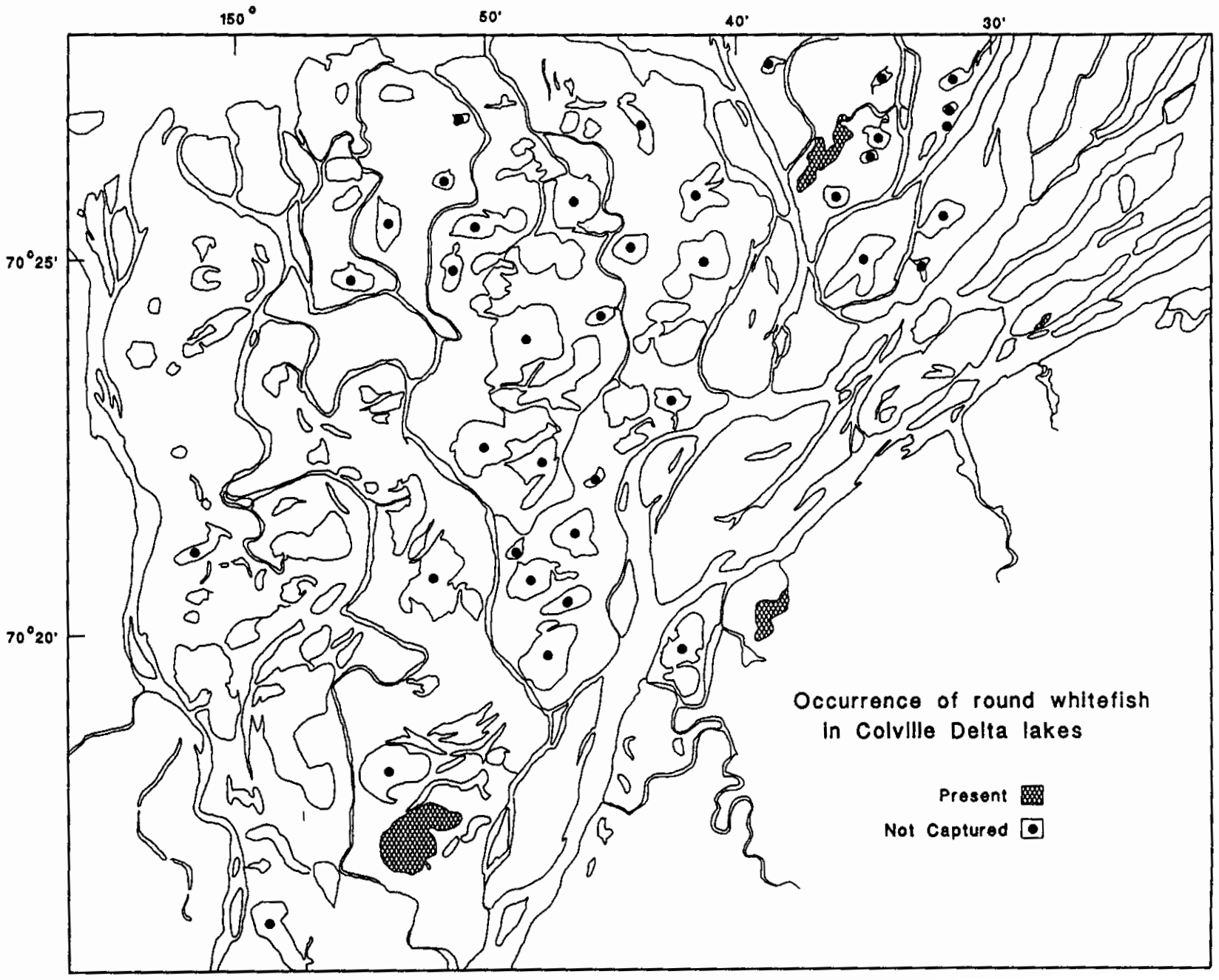

150°
50'
40'
30'
70°25'
70°20'
Occurrence of humpback whitefish
in Colville Delta lakes
Present
Not Captured


150°
50'
40'
30'
70°25'
70°20'
Occurrence of Alaska blackfish
in Colville Delta lakes
Present
Not Captured


150°
50'
40'
30'
70°25'
70°20'
Occurrence of rainbow smelt
in Colville Delta lakes
Present
Not Captured


150°
50'
40'
30'
70°25'
70°20'
Occurrence of fourhorn sculpin
in Colville Delta lakes
Present
Not Captured


150°
50'
40'
30'
70°25'
70°20'
Occurrence of burbot
in Colville Delta lakes
Present
Not Captured


150°
50'
40'
30'
70°25'
70°20'
Occurrence of round whitefish
in Colville Delta lakes
Present
Not Captured

# DATA APPENDIX

## LIST OF APPENDIX TABLES

Appendix Table 14. Mean length by age for least cisco from tapped lakes + river channel stations compared to selected isolated lake stations.

Appendix Table 15. Date, location and size of humpback whitefish, round whitefish and burbot captured during 1993 Colville Delta Winter Fish Habitat Study.

Appendix Table 16. Catch data from 1991-1993 gillnet sampling in the Colville River Delta.

Appendix Table 17. Biological data obtained from fish collected during 1991-1993 gillnet sampling in the Colville River delta.

Appendix Table 1. Total catch by station and date for fish captured during the Colville Delta Winter fish Habitat Study, 1991-1993, all meshes combined.

| Station | Habitat | Date | Depth (m) | Duration (hrs) | Mean Salinity (ppt) | Arctic cisco | Least cisco | Broad whitefish | Humpback whitefish | Round Whitefish | Alaska Blackfish | Burbot | Rainbow smelt | Fourhorn sculpin | Total Catch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9101 | RC | 11/2/91 | 2.0 | 22 | 8.4 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 11 |
| 9101 | RC | 11/3/91 | 2.0 | 24 | 9.3 | 25 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 34 |
| 9102 | TL | 11/3/91 | 4.0 | 23 | 12.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 |
| 9102 | TL | 11/5/91 | 4.0 | 48 | 15.1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 12 |
| 9103 | RC | 11/3/91 | 3.0 | 22 | 7.2 | 22 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 38 |
| 9104 | RC | 11/5/91 | 9.0 | 48 | 18.6 | 8 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 12 |
| 9104 | RC | 11/6/91 | 9.0 | 21 | 13.1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 6 |
| 9104 | RC | 11/7/91 | 9.0 | 23 | 18.9 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 |
| 9105 | TL | 11/5/91 | 2.5 | 48 | 7.5 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 9105 | TL | 11/6/91 | 2.5 | 20 | 9.5 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 7 |
| 9106 | TL | 11/6/91 | 4.0 | 22 | 0.0 | 0 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| 9106 | TL | 11/7/91 | 4.0 | 24 | -- | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 9107 | TL | 11/6/91 | 2.5 | 21 | 4.0 | 3 | 13 | 4 | 1 | 0 | 0 | 0 | 0 | 1 | 22 |
| 9108 | RC | 11/7/91 | 3.5 | 21 | 4.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9108 | RC | 11/9/91 | 3.5 | 50 | 15.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9109 | RC | 11/7/91 | 5.0 | 20 | 5.9 | 7 | 6 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 17 |
| 9109 | RC | 11/9/91 | 5.0 | 49 | 12.2 | 8 | 5 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 18 |
| 9109 | RC | 11/10/91 | 5.0 | 22 | 18.5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| 9110 | RC | 11/9/91 | 4.0 | 47 | 12.5 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 23 |
| 9110 | RC | 11/10/91 | 4.0 | 23 | 14.7 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 6 |
| 9111 | IL | 11/9/91 | 3.0 | 44 | 0.0 | 0 | 150 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 150 |
| 9201 | TL | 11/7/92 | 3.0 | 23.0 | 2.6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 9202 | IL | 10/30/92 | 2.5 | 43.8 | 2.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Appendix Table 1. Total catch by station and date for fish captured during the Colville Delta Winter fish Habitat Study, 1991-1993, all meshes combined.

| Station | Habitat | Date | Depth (m) | Duration (hrs) | Mean Salinity (ppt) | Arctic cisco | Least cisco | Broad whitefish | Humpback whitefish | Round Whitefish | Alaska Blackfish | Burbot | Rainbow smelt | Fourhorn sculpin | Total Catch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9203 | IL | 10/30/92 | 3.5 | 46.5 | 2.5 | 4 | 11 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| 9204 | IL | 11/3/92 | 6.0 | 25.0 | 0.6 | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| 9205 | IL | 10/30/92 | 6.0 | 20.0 | 0.5 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 9206 | IL | 10/31/92 | 4.5 | 18.5 | 0.0 | 1 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| 9207 | IL | 11/1/92 | 5.0 | 27.5 | 1.0 | 3 | 3 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 10 |
| 9208 | IL | 11/2/92 | 5.5 | 23.0 | 0.5 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 3 |
| 9209 | IL | 11/2/92 | 4.0 | 20.5 | 0.2 | 0 | 12 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| 9210 | IL | 11/4/92 | 3.5 | 30.5 | 4.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9211 | IL | 11/4/92 | 4.5 | 26.0 | 0.9 | 8 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| 9212 | IL | 11/5/92 | 4.0 | 20.0 | 1.3 | 0 | 87 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 87 |
| 9213 | IL | 11/5/92 | 3.0 | 22.0 | 0.5 | 0 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 |
| 9301 | IL | 10/28/93 | 2.4 | 22.3 | 0.1 | 5 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| 9302 | TL | 10/28/93 | 2.7 | 19.2 | 0.0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 9303 | IL | 10/28/93 | 3.0 | 21.6 | 0.0 | 1 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| 9304 | IL | 10/31/93 | 4.9 | 70.5 | 0.0 | 0 | 20 | 2 | 0 | 2 | 0 | 2 | 0 | 0 | 26 |
| 9305 | IL | 10/31/93 | 2.4 | 73.5 | 0.0 | 0 | 7 | 18 | 1 | 2 | 10 | 2 | 0 | 0 | 40 |
| 9306 | IL | 11/2/93 | 4.6 | 21.8 | 0.0 | 0 | 11 | 7 | 0 | 0 | 0 | 1 | 0 | 0 | 19 |

Appendix Table 1. Total catch by station and date for fish captured during the Colville Delta Winter fish Habitat Study, 1991-1993, all meshes combined.

| Station | Habitat | Date | Depth (m) | Duration (hrs) | Mean Salinity (ppt) | Arctic cisco | Least cisco | Broad whitefish | Humpback whitefish | Round Whitefish | Alaska Blackfish | Burbot | Rainbow smelt | Fourhorn sculpin | Total Catch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9307 | IL | 11/2/93 | 2.4 | 20.5 | 0.0 | 0 | 48 | 1 | 0 | 0 | 6 | 0 | 0 | 0 | 55 |
| 9308 | IL | 11/3/93 | 3.0 | 20.3 | 0.0 | 0 | 64 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 66 |
| 9309 | IL | 11/3/93 | 4.3 | 22.5 | 0.0 | 0 | 1 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 5 |
| 9310 | IL | 11/4/93 | 2.4 | 21.7 | 0.0 | 1 | 0 | 0 | 0 | 0 | 13 | 0 | 0 | 0 | 14 |
| 9311 | TL | 11/4/93 | 2.7 | 19.3 | 2.2 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 |
| 9312 | IL | 11/5/93 | 7.6 | 22.0 | 1.3 | 0 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| 9313 | IL | 11/5/93 | 3.7 | 20.7 | 0.7 | 0 | 79 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 79 |

Appendix Table 2. Total CPUE by station and date for fish captured during the Colville Delta Winter Fish Habitat Study, 1991-1993, all meshes combined (CPUE = fish per day for 120 ft of net).

| Station | Habitat | Date | Depth (m) | Duration (hrs) | Mean Salinity (ppt) | Arctic cisco | Least cisco | Broad whitefish | Humpback whitefish | Round Whitefish | Alaska Blackfish | Burbot | Rainbow smelt | Fourhorn sculpin | Total CPUE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9203 | IL | 10/30/92 | 3.5 | 46.5 | 2.5 | 2.1 | 5.7 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.3 |
| 9204 | IL | 11/3/92 | 6.0 | 25.0 | 0.6 | 0.0 | 12.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.5 |
| 9205 | IL | 10/30/92 | 6.0 | 20.0 | 0.5 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 |
| 9206 | IL | 10/31/92 | 4.5 | 18.5 | 0.0 | 1.3 | 20.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22.1 |
| 9207 | IL | 11/1/92 | 5.0 | 27.5 | 1.0 | 2.6 | 2.6 | 2.6 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.7 |
| 9208 | IL | 11/2/92 | 5.5 | 23.0 | 0.5 | 1.0 | 0.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 |
| 9209 | IL | 11/2/92 | 4.0 | 20.5 | 0.2 | 0.0 | 14.0 | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16.4 |
| 9210 | IL | 11/4/92 | 3.5 | 30.5 | 4.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9211 | IL | 11/4/92 | 4.5 | 26.0 | 0.9 | 7.4 | 5.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.9 |
| 9212 | IL | 11/5/92 | 4.0 | 20.0 | 1.3 | 0.0 | 104.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 104.4 |
| 9213 | IL | 11/5/92 | 3.0 | 22.0 | 0.5 | 0.0 | 54.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 54.5 |
| 9301 | IL | 10/28/93 | 2.4 | 22.3 | 0.1 | 5.4 | 17.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22.6 |
| 9302 | TL | 10/28/93 | 2.7 | 19.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 0.0 | 0.0 | 0.0 | 1.3 |
| 9303 | IL | 10/28/93 | 3.0 | 21.6 | 0.0 | 1.1 | 17.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18.9 |
| 9304 | IL | 10/31/93 | 4.9 | 70.5 | 0.0 | 0.0 | 6.8 | 0.7 | 0.0 | 0.7 | 0.0 | 0.7 | 0.0 | 0.0 | 8.9 |
| 9305 | IL | 10/31/93 | 2.4 | 73.5 | 0.0 | 0.0 | 2.3 | 5.9 | 0.3 | 0.7 | 3.3 | 0.7 | 0.0 | 0.0 | 13.1 |
| 9306 | IL | 11/2/93 | 4.6 | 21.8 | 0.0 | 0.0 | 12.1 | 7.7 | 0.0 | 0.0 | 0.0 | 1.1 | 0.0 | 0.0 | 21.0 |

Appendix Table 2. Total CPUE by station and date for fish captured during the Colville Delta Winter Fish Habitat Study, 1991-1993, all meshes combined (CPUE = fish per day for 120 ft of net).

| Station | Habitat | Date | Depth (m) | Duration (hrs) | Mean Salinity (ppt) | Arctic cisco | Least cisco | Broad whitefish | Humpback whitefish | Round Whitefish | Alaska Blackfish | Burbot | Rainbow smelt | Fourhorn sculpin | Total CPUE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9101 | RC | 11/2/91 | 2.0 | 22.0 | 8.4 | 6.5 | 3.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 1.1 | 12.0 |
| 9101 | RC | 11/3/91 | 2.0 | 24.0 | 9.3 | 25.0 | 5.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 3.0 | 34.0 |
| 9102 | TL | 11/3/91 | 4.0 | 23.0 | 12.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | 3.1 |
| 9102 | TL | 11/5/91 | 4.0 | 48.0 | 15.1 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 0.0 | 6.0 |
| 9103 | RC | 11/3/91 | 3.0 | 22.0 | 7.2 | 24.0 | 14.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 41.5 |
| 9104 | RC | 11/5/91 | 9.0 | 48.0 | 18.6 | 4.0 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 6.0 |
| 9104 | RC | 11/6/91 | 9.0 | 21.0 | 13.1 | 4.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 0.0 | 6.9 |
| 9104 | RC | 11/7/91 | 9.0 | 23.0 | 18.9 | 1.0 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 4.2 |
| 9105 | TL | 11/5/91 | 2.5 | 48.0 | 7.5 | 1.0 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 |
| 9105 | TL | 11/6/91 | 2.5 | 20.0 | 9.5 | 2.4 | 3.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 | 0.0 | 8.4 |
| 9106 | TL | 11/6/91 | 4.0 | 22.0 | 0.0 | 0.0 | 5.5 | 4.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.8 |
| 9106 | TL | 11/7/91 | 4.0 | 24.0 | -- | 0.0 | 2.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 |
| 9107 | TL | 11/6/91 | 2.5 | 21.0 | 4.0 | 3.4 | 14.9 | 4.6 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 25.1 |
| 9108 | RC | 11/7/91 | 3.5 | 21.0 | 4.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9108 | RC | 11/9/91 | 3.5 | 50.0 | 15.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9109 | RC | 11/7/91 | 5.0 | 20.0 | 5.9 | 8.4 | 7.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.6 | 1.2 | 20.4 |
| 9109 | RC | 11/9/91 | 5.0 | 49.0 | 12.2 | 3.9 | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 0.5 | 8.8 |
| 9109 | RC | 11/10/91 | 5.0 | 22.0 | 18.5 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 2.2 |
| 9110 | RC | 11/9/91 | 4.0 | 47.0 | 12.5 | 7.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.6 | 0.0 | 11.7 |
| 9110 | RC | 11/10/91 | 4.0 | 23.0 | 14.7 | 3.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | 6.3 |
| 9111 | IL | 11/9/91 | 3.0 | 44.0[1] | 0.0 | 0.0 | 81.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 81.8 |
| 9201 | TL | 11/7/92 | 3.0 | 23.0 | 2.6 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 |
| 9202 | IL | 10/30/92 | 2.5 | 43.8 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Appendix Table 2. Total CPUE by station and date for fish captured during the Colville Delta Winter Fish Habitat Study, 1991-1993, all meshes combined (CPUE = fish per day for 120 ft of net).

| Station | Habitat | Date | Depth (m) | Duration (hrs) | Mean Salinity (ppt) | Arctic cisco | Least cisco | Broad whitefish | Humpback whitefish | Round Whitefish | Alaska Blackfish | Burbot | Rainbow smelt | Fourhorn sculpin | Total CPUE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9307 | IL | 11/2/93 | 2.4 | 20.5 | 0.0 | 0.0 | 56.2 | 1.2 | 0.0 | 0.0 | 7.0 | 0.0 | 0.0 | 0.0 | 64.4 |
| 9308 | IL | 11/3/93 | 3.0 | 20.3 | 0.0 | 0.0 | 75.9 | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 78.2 |
| 9309 | IL | 11/3/93 | 4.3 | 22.5 | 0.0 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 4.3 | 0.0 | 0.0 | 0.0 | 5.3 |
| 9310 | IL | 11/4/93 | 2.4 | 21.7 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 14.4 | 0.0 | 0.0 | 0.0 | 15.5 |
| 9311 | TL | 11/4/93 | 2.7 | 19.3 | 2.2 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 0.0 | 0.0 | 0.0 | 2.5 |
| 9312 | IL | 11/5/93 | 7.6 | 22.0 | 1.3 | 0.0 | 22.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22.9 |
| 9313 | IL | 11/5/93 | 3.7 | 20.7 | 0.7 | 0.0 | 91.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 91.7 |

Appendix Table 3. Catch by station, date and mesh size for fish captured during the 1991-1993 Colville Delta Winter Fish Habitat Study (gill net catches only, minnow trap catches not included).

| Station | Date | Water Depth (m) | Set Duration (hrs) | Mesh (mm) | Arctic cisco | Least cisco | Broad whitefish | Humpback whitefish | Round Whitefish | Alaska Blackfish | Burbot | Rainbow smelt | Fourhorn sculpin | Total Mesh Catch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9101 | 11/2/91 | 2.0 | 22 | 25 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 |
| | | | | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 52 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 70 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 |
| | | | | 89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9101 | 11/3/91 | 2.0 | 24 | 25 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 18 |
| | | | | 32 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 41 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| | | | | 52 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 11 |
| | | | | 70 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9102 | 11/3/91 | 4.0 | 23 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 |
| | | | | 70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9102 | 11/5/91 | 4.0 | 48 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| | | | | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | 52 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 8 |
| | | | | 70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Appendix Table 3. Catch by station, date and mesh size for fish captured during the 1991-1993 Colville Delta Winter Fish Habitat Study (gill net catches only, minnow trap catches not included.

| Station | Date | Depth (m) | Duration (hrs) | Mesh (mm) | Arctic cisco | Least cisco | Broad whitefish | Humpback whitefish | Round Whitefish | Alaska Blackfish | Burbot | Rainbow smelt | Fourhorn sculpin | Total Mesh Catch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9103 | 11/3/91 | 3.0 | 22 | 25 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 14 |
| | | | | 32 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 41 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 52 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 70 | 4 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 15 |
| | | | | 89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9104 | 11/5/91 | 9.0 | 48 | 25 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 41 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 |
| | | | | 52 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9104 | 11/6/91 | 9.0 | 21 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 52 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| | | | | 70 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 89 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| 9104 | 11/7/91 | 9.0 | 23 | 25 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 52 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| | | | | 70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Appendix Table 3. Catch by station, date and mesh size for fish captured during the 1991-1993 Colville Delta Winter Fish Habitat Study (gill net catches only, minnow trap catches not included.

| Station | Date | Depth (m) | Duration (hrs) | Mesh (mm) | Arctic cisco | Least cisco | Broad whitefish | Humpback whitefish | Round Whitefish | Alaska Blackfish | Burbot | Rainbow smelt | Fourhorn sculpin | Total Mesh Catch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9105 | 11/5/91 | 2.5 | 48 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 52 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 70 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9105 | 11/6/91 | 2.5 | 20 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | 52 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 |
| | | | | 70 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9106 | 11/6/91 | 4.0 | 22 | 25 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 52 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 70 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 89 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 9106 | 11/7/91 | 4.0 | 24 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 70 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Appendix Table 3. Catch by station, date and mesh size for fish captured during the 1991-1993 Colville Delta Winter Fish Habitat Study (gill net catches only, minnow trap catches not included.

| Station | Date | Depth (m) | Duration (hrs) | Mesh (mm) | Arctic cisco | Least cisco | Broad whitefish | Humpback whitefish | Round Whitefish | Alaska Blackfish | Burbot | Rainbow smelt | Fourhorn sculpin | Total Mesh Catch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9107 | 11/6/91 | 2.5 | 21 | 25 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 41 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 52 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | | | 70 | 0 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 10 |
| | | | | 89 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 9108 | 11/7/91 | 3.5 | 21 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9108 | 11/9/91 | 3.5 | 50 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9109 | 11/7/91 | 5.0 | 20 | 25 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 32 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 41 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| | | | | 52 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 6 |
| | | | | 70 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Appendix Table 3. Catch by station, date and mesh size for fish captured during the 1991-1993 Colville Delta Winter Fish Habitat Study (gill net catches only, minnow trap catches not included.

| Station | Date | Depth (m) | Duration (hrs) | Mesh (mm) | Arctic cisco | Least cisco | Broad whitefish | Humpback whitefish | Round Whitefish | Alaska Blackfish | Burbot | Rainbow smelt | Fourhorn sculpin | Total Mesh Catch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9109 | 11/9/91 | 5.0 | 49 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 32 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 41 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 6 |
| | | | | 52 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 5 |
| | | | | 70 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 |
| | | | | 89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9109 | 11/10/91 | 5.0 | 22 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 41 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9110 | 11/9/91 | 4.0 | 47 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 6 |
| | | | | 52 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 12 |
| | | | | 70 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9110 | 11/10/91 | 4.0 | 23 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | 41 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 52 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 3 |
| | | | | 70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Appendix Table 3. Catch by station, date and mesh size for fish captured during the 1991-1993 Colville Delta Winter Fish Habitat Study (gill net catches only, minnow trap catches not included.

| Station | Date | Depth (m) | Duration (hrs) | Mesh (mm) | Arctic cisco | Least cisco | Broad whitefish | Humpback whitefish | Round Whitefish | Alaska Blackfish | Burbot | Rainbow smelt | Fourhorn sculpin | Total Mesh Catch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9111 | 11/9/91 | 3.0 | 44 | 25 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 41 | 0 | 54 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 54 |
| | | | | 52 | 0 | 86 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 86 |
| | | | | 70 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| | | | | 89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Annual Total: | | | | 108 | 213 | 9 | 1 | 0 | 0 | 0 | 39 | 12 | 382 |
| 9201 | 11/6/92 | 3.0 | 23.0 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 41 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 89 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 9202 | 10/28/92 | 2.7 | 43.8 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9203 | 10/28/92 | 3.7 | 46.5 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 32 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | | | 41 | 0 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| | | | | 52 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 70 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 89 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |

Appendix Table 3. Catch by station, date and mesh size for fish captured during the 1991-1993 Colville Delta Winter Fish Habitat Study (gill net catches only, minnow trap catches not included.

| Station | Date | Depth (m) | Duration (hrs) | Mesh (mm) | Arctic cisco | Least cisco | Broad whitefish | Humpback whitefish | Round Whitefish | Alaska Blackfish | Burbot | Rainbow smelt | Fourhorn sculpin | Total Mesh Catch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9204 | 11/2/92 | 6.4 | 25.0 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 32 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 52 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 70 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| | | | | 89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9205 | 10/30/92 | 8.5 | 22.0 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 52 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 70 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9206 | 10/30/92 | 4.6 | 18.5 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 52 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| | | | | 70 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| | | | | 89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9207 | 10/31/92 | 5.2 | 27.5 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 32 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 70 | 2 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| | | | | 89 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |

Appendix Table 3. Catch by station, date and mesh size for fish captured during the 1991-1993 Colville Delta Winter Fish Habitat Study (gill net catches only, minnow trap catches not included.

| Station | Date | Depth (m) | Duration (hrs) | Mesh (mm) | Arctic cisco | Least cisco | Broad whitefish | Humpback whitefish | Round Whitefish | Alaska Blackfish | Burbot | Rainbow smelt | Fourhorn sculpin | Total Mesh Catch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9208 | 11/1/92 | 5.5 | 23.0 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 32 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 70 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 89 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 9209 | 11/1/92 | 5.5 | 20.5 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 41 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 52 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | | | 70 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 89 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 9210 | 11/3/92 | 3.5 | 30.5 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9211 | 11/3/92 | 4.6 | 26.0 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 70 | 4 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| | | | | 89 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |

Appendix Table 3. Catch by station, date and mesh size for fish captured during the 1991-1993 Colville Delta Winter Fish Habitat Study (gill net catches only, minnow trap catches not included.

| Station | Date | Depth (m) | Duration (hrs) | Mesh (mm) | Arctic cisco | Least cisco | Broad whitefish | Humpback whitefish | Round Whitefish | Alaska Blackfish | Burbot | Rainbow smelt | Fourhorn sculpin | Total Mesh Catch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9212 | 11/4/92 | 4.0 | 20.0 | 25 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 32 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 41 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | | | 52 | 0 | 55 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 55 |
| | | | | 70 | 0 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 |
| | | | | 89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9213 | 11/4/92 | 4.3 | 22.0 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 32 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 41 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| | | | | 52 | 0 | 34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34 |
| | | | | 70 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| | | | | 89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Annual Total: | | | | 19 | 200 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 228 |
| 9301 | 10/28/93 | 2.4 | 22.3 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 41 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 52 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| | | | | 70 | 4 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| | | | | 89 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 9302 | 10/28/93 | 3.0 | 19.2 | 25 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Appendix Table 3. Catch by station, date and mesh size for fish captured during the 1991-1993 Colville Delta Winter Fish Habitat Study (gill net catches only, minnow trap catches not included.

| Station | Date | Depth (m) | Duration (hrs) | Mesh (mm) | Arctic cisco | Least cisco | Broad whitefish | Humpback whitefish | Round Whitefish | Alaska Blackfish | Burbot | Rainbow smelt | Fourhorn sculpin | Total Mesh Catch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9303 | 10/28/93 | 2.7 | 21.6 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 32 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 41 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| | | | | 52 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 70 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 89 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 9304 | 10/31/93 | 2.4 | 70.5 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 52 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 70 | 0 | 17 | 1 | 0 | 2 | 0 | 1 | 0 | 0 | 21 |
| | | | | 89 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 3 |
| 9305 | 10/31/93 | 4.9 | 73.5 | 25 | 0 | 1 | 4 | 0 | 2 | 8 | 0 | 0 | 0 | 15 |
| | | | | 32 | 0 | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 4 |
| | | | | 41 | 0 | 0 | 6 | 0 | 0 | 1 | 0 | 0 | 0 | 7 |
| | | | | 52 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 70 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 89 | 0 | 0 | 4 | 1 | 0 | 0 | 1 | 0 | 0 | 6 |
| 9306 | 11/2/93 | 4.6 | 21.8 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 41 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| | | | | 52 | 0 | 4 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 5 |
| | | | | 70 | 0 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| | | | | 89 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |

Appendix Table 3. Catch by station, date and mesh size for fish captured during the 1991-1993 Colville Delta Winter Fish Habitat Study (gill net catches only, minnow trap catches not included.

| Station | Date | Depth (m) | Duration (hrs) | Mesh (mm) | Arctic cisco | Least cisco | Broad whitefish | Humpback whitefish | Round Whitefish | Alaska Blackfish | Burbot | Rainbow smelt | Fourhorn sculpin | Total Mesh Catch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9307 | 11/2/93 | 2.4 | 20.5 | 25 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 |
| | | | | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 41 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| | | | | 52 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| | | | | 70 | 0 | 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 |
| | | | | 89 | 0 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 9308 | 11/3/93 | 4.3 | 20.3 | 25 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 41 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| | | | | 52 | 0 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 |
| | | | | 70 | 0 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| | | | | 89 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 9309 | 11/3/93 | 3.0 | 22.5 | 25 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 70 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9310 | 11/4/93 | 2.4 | 21.7 | 25 | 1 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 12 |
| | | | | 32 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Appendix Table 3. Catch by station, date and mesh size for fish captured during the 1991-1993 Colville Delta Winter Fish Habitat Study (gill net catches only, minnow trap catches not included).

| Station | Date | Water Depth (m) | Set Duration (hrs) | Mesh (mm) | Arctic cisco | Least cisco | Broad whitefish | Humpback whitefish | Round Whitefish | Alaska Blackfish | Burbot | Rainbow smelt | Fourhorn sculpin | Total Mesh Catch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9311 | 11/4/93 | 2.7 | 19.3 | 25 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | 32 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9312 | 11/5/93 | 7.6 | 22.0 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 41 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 52 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 70 | 0 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| | | | | 89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9313 | 11/5/93 | 3.7 | 20.7 | 25 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 41 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 52 | 0 | 36 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 36 |
| | | | | 70 | 0 | 35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35 |
| | | | | 89 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | Annual Total: | | | | 8 | 283 | 30 | 1 | 4 | 26 | 4 | 0 | 0 | 356 |
| | Study Total (1991-1993): | | | | 135 | 696 | 46 | 4 | 4 | 26 | 4 | 39 | 12 | 966 |

Appendix Table 4. Catch rate by station, date and mesh size for fish captured during the 1991-1993 Colville Delta Winter Fish Habitat Study (expressed as fish per day).

| Station | Date | Water Depth (m) | Set Duration (hrs) | Mesh (mm) | Arctic cisco | Least cisco | Broad whitefish | Humpback whitefish | Round Whitefish | Alaska Blackfish | Burbot | Rainbow smelt | Fourhorn sculpin | Total Mesh CPUE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9101 | 11/2/91 | 2.0 | 22.0 | 25 | 4.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 5.5 |
| | | | | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 52 | 1.1 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 |
| | | | | 70 | 1.1 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 0.0 | 4.4 |
| | | | | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9101 | 11/3/91 | 2.0 | 24.0 | 25 | 17.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 18.0 |
| | | | | 32 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 |
| | | | | 41 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 2.0 |
| | | | | 52 | 5.0 | 4.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 11.0 |
| | | | | 70 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 |
| | | | | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9102 | 11/3/91 | 4.0 | 23.0 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 52 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | 3.1 |
| | | | | 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9102 | 11/5/91 | 4.0 | 48.0 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 1.0 |
| | | | | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.5 |
| | | | | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.5 |
| | | | | 52 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | 4.0 |
| | | | | 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Appendix Table 4. Catch rate by station, date and mesh size for fish captured during the 1991-1993 Colville Delta Winter Fish Habitat Study.

| Station | Date | Water Depth (m) | Set Duration (hrs) | Mesh (mm) | Arctic cisco | Least cisco | Broad whitefish | Humpback whitefish | Round Whitefish | Alaska Blackfish | Burbot | Rainbow smelt | Fourhorn sculpin | Total Mesh CPUE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9103 | 11/3/91 | 3.0 | 22.0 | 25 | 14.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 15.3 |
| | | | | 32 | 1.1 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 |
| | | | | 41 | 2.2 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 |
| | | | | 52 | 2.2 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 |
| | | | | 70 | 4.4 | 9.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 | 16.4 |
| | | | | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9104 | 11/5/91 | 9.0 | 48.0 | 25 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 |
| | | | | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 41 | 1.5 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 3.0 |
| | | | | 52 | 1.5 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 |
| | | | | 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9104 | 11/6/91 | 9.0 | 21.0 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 52 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 0.0 | 2.3 |
| | | | | 70 | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 |
| | | | | 89 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 0.0 | 2.3 |
| 9104 | 11/7/91 | 9.0 | 23.0 | 25 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 |
| | | | | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 52 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 2.1 |
| | | | | 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Appendix Table 4. Catch rate by station, date and mesh size for fish captured during the 1991-1993 Colville Delta Winter Fish Habitat Study.

| Station | Date | Water Depth (m) | Set Duration (hrs) | Mesh (mm) | Arctic cisco | Least cisco | Broad whitefish | Humpback whitefish | Round Whitefish | Alaska Blackfish | Burbot | Rainbow smelt | Fourhorn sculpin | Total Mesh CPUE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9105 | 11/5/91 | 2.5 | 48.0 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 52 | 0.0 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 |
| | | | | 70 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 |
| | | | | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9105 | 11/6/91 | 2.5 | 20.0 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 0.0 | 1.2 |
| | | | | 52 | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 0.0 | 3.6 |
| | | | | 70 | 0.0 | 3.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.6 |
| | | | | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9106 | 11/6/91 | 4.0 | 22.0 | 25 | 0.0 | 3.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 |
| | | | | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 52 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 |
| | | | | 70 | 0.0 | 1.1 | 3.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.4 |
| | | | | 89 | 0.0 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 |
| 9106 | 11/7/91 | 4.0 | 24.0 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 52 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 70 | 0.0 | 2.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 |
| | | | | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Appendix Table 4. Catch rate by station, date and mesh size for fish captured during the 1991-1993 Colville Delta Winter Fish Habitat Study..

| Station | Date | Water Depth (m) | Set Duration (hrs) | Mesh (mm) | Arctic cisco | Least cisco | Broad whitefish | Humpback whitefish | Round Whitefish | Alaska Blackfish | Burbot | Rainbow smelt | Fourhorn sculpin | Total Mesh CPUE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9107 | 11/6/91 | 2.5 | 21.0 | 25 | 2.3 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 |
| | | | | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 41 | 0.0 | 1.1 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 |
| | | | | 52 | 1.1 | 4.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.7 |
| | | | | 70 | 0.0 | 8.0 | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 11.4 |
| | | | | 89 | 0.0 | 0.0 | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 |
| 9108 | 11/7/91 | 3.5 | 21.0 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 52 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9108 | 11/9/91 | 3.5 | 50.0 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 52 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9109 | 11/7/91 | 5.0 | 20.0 | 25 | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 |
| | | | | 32 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 |
| | | | | 41 | 2.4 | 4.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.2 |
| | | | | 52 | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.6 | 1.2 | 7.2 |
| | | | | 70 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 |
| | | | | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Appendix Table 4. Catch rate by station, date and mesh size for fish captured during the 1991-1993 Colville Delta Winter Fish Habitat Study.

| Station | Date | Water Depth (m) | Set Duration (hrs) | Mesh (mm) | Arctic cisco | Least cisco | Broad whitefish | Humpback whitefish | Round Whitefish | Alaska Blackfish | Burbot | Rainbow smelt | Fourhorn sculpin | Total Mesh CPUE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9109 | 11/9/91 | 5.0 | 49.0 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 32 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 |
| | | | | 41 | 2.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 2.9 |
| | | | | 52 | 0.5 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 0.0 | 2.4 |
| | | | | 70 | 0.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 2.4 |
| | | | | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9109 | 11/10/91 | 5.0 | 22.0 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 41 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 |
| | | | | 52 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 1.1 |
| | | | | 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9110 | 11/9/91 | 4.0 | 47.0 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.5 |
| | | | | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | 3.1 |
| | | | | 52 | 5.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 6.1 |
| | | | | 70 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 |
| | | | | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9110 | 11/10/91 | 4.0 | 23.0 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 1.0 |
| | | | | 41 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 |
| | | | | 52 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 0.0 | 3.1 |
| | | | | 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Appendix Table 4. Catch rate by station, date and mesh size for fish captured during the 1991-1993 Colville Delta Winter Fish Habitat Study.

| Station | Date | Water Depth (m) | Set Duration (hrs) | Mesh (mm) | Arctic cisco | Least cisco | Broad whitefish | Humpback whitefish | Round Whitefish | Alaska Blackfish | Burbot | Rainbow smelt | Fourhorn sculpin | Total Mesh CPUE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9111 | 11/9/91 | 3.0 | 44.0 | 25 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 |
| | | | | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 41 | 0.0 | 29.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 29.5 |
| | | | | 52 | 0.0 | 46.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 46.9 |
| | | | | 70 | 0.0 | 4.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.4 |
| | | | | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9201 | 11/6/92 | 3.0 | 23.0 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 41 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 |
| | | | | 52 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 89 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 |
| 9202 | 10/28/92 | 2.7 | 43.8 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 52 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9203 | 10/28/92 | 3.7 | 46.5 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 32 | 0.5 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 |
| | | | | 41 | 0.0 | 3.1 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.6 |
| | | | | 52 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 |
| | | | | 70 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 |
| | | | | 89 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 |

Appendix Table 4. Catch rate by station, date and mesh size for fish captured during the 1991-1993 Colville Delta Winter Fish Habitat Study.

| Station | Date | Water Depth (m) | Set Duration (hrs) | Mesh (mm) | Arctic cisco | Least cisco | Broad whitefish | Humpback whitefish | Round Whitefish | Alaska Blackfish | Burbot | Rainbow smelt | Fourhorn sculpin | Total Mesh CPUE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9204 | 11/2/92 | 6.4 | 25.0 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 32 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 |
| | | | | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 52 | 0.0 | 3.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.8 |
| | | | | 70 | 0.0 | 7.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.7 |
| | | | | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9205 | 10/30/92 | 8.5 | 22.0 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 52 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 |
| | | | | 70 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 |
| | | | | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9206 | 10/30/92 | 4.6 | 18.5 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 52 | 0.0 | 14.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14.3 |
| | | | | 70 | 1.3 | 6.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.8 |
| | | | | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9207 | 10/31/92 | 5.2 | 27.5 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 32 | 0.0 | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 |
| | | | | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 52 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 70 | 1.7 | 2.6 | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.1 |
| | | | | 89 | 0.9 | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 |

Appendix Table 4. Catch rate by station, date and mesh size for fish captured during the 1991-1993 Colville Delta Winter Fish Habitat Study.

| Station | Date | Water Depth (m) | Set Duration (hrs) | Mesh (mm) | Arctic cisco | Least cisco | Broad whitefish | Humpback whitefish | Round Whitefish | Alaska Blackfish | Burbot | Rainbow smelt | Fourhorn sculpin | Total Mesh CPUE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9208 | 11/1/92 | 5.5 | 23.0 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 32 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 |
| | | | | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 52 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 70 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 |
| | | | | 89 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 |
| 9209 | 11/1/92 | 5.5 | 20.5 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 41 | 0.0 | 3.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 |
| | | | | 52 | 0.0 | 5.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.9 |
| | | | | 70 | 0.0 | 4.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 |
| | | | | 89 | 0.0 | 0.0 | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 |
| 9210 | 11/3/92 | 3.5 | 30.5 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 52 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9211 | 11/3/92 | 4.6 | 26.0 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 52 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 70 | 3.7 | 4.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.3 |
| | | | | 89 | 3.7 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.6 |

Appendix Table 4. Catch rate by station, date and mesh size for fish captured during the 1991-1993 Colville Delta Winter Fish Habitat Study.

| Station | Date | Water Depth (m) | Set Duration (hrs) | Mesh (mm) | Arctic cisco | Least cisco | Broad whitefish | Humpback whitefish | Round Whitefish | Alaska Blackfish | Burbot | Rainbow smelt | Fourhorn sculpin | Total Mesh CPUE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9212 | 11/4/92 | 4.0 | 20.0 | 25 | 0.0 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 |
| | | | | 32 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 |
| | | | | 41 | 0.0 | 6.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 |
| | | | | 52 | 0.0 | 66.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 66.0 |
| | | | | 70 | 0.0 | 28.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 28.8 |
| | | | | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9213 | 11/4/92 | 4.3 | 22.0 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 32 | 0.0 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 |
| | | | | 41 | 0.0 | 8.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.7 |
| | | | | 52 | 0.0 | 37.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 37.1 |
| | | | | 70 | 0.0 | 6.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.5 |
| | | | | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9301 | 10/28/93 | 2.4 | 22.3 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 41 | 0.0 | 4.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.3 |
| | | | | 52 | 0.0 | 7.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.5 |
| | | | | 70 | 4.3 | 5.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.7 |
| | | | | 89 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 |
| 9302 | 10/28/93 | 3.0 | 19.2 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 0.0 | 0.0 | 0.0 | 1.3 |
| | | | | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 52 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Appendix Table 4. Catch rate by station, date and mesh size for fish captured during the 1991-1993 Colville Delta Winter Fish Habitat Study.

| Station | Date | Water Depth (m) | Set Duration (hrs) | Mesh (mm) | Arctic cisco | Least cisco | Broad whitefish | Humpback whitefish | Round Whitefish | Alaska Blackfish | Burbot | Rainbow smelt | Fourhorn sculpin | Total Mesh CPUE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9303 | 10/28/93 | 2.7 | 21.6 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 32 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 |
| | | | | 41 | 0.0 | 10.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.0 |
| | | | | 52 | 0.0 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 |
| | | | | 70 | 0.0 | 4.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.4 |
| | | | | 89 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 |
| 9304 | 10/31/93 | 2.4 | 70.5 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 52 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 |
| | | | | 70 | 0.0 | 5.8 | 0.3 | 0.0 | 0.7 | 0.0 | 0.3 | 0.0 | 0.0 | 7.1 |
| | | | | 89 | 0.0 | 0.3 | 0.3 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 1.0 |
| 9305 | 10/31/93 | 4.9 | 73.5 | 25 | 0.0 | 0.3 | 1.3 | 0.0 | 0.7 | 2.6 | 0.0 | 0.0 | 0.0 | 4.9 |
| | | | | 32 | 0.0 | 0.7 | 0.3 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 1.3 |
| | | | | 41 | 0.0 | 0.0 | 2.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 2.3 |
| | | | | 52 | 0.0 | 0.7 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 |
| | | | | 70 | 0.0 | 0.7 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 |
| | | | | 89 | 0.0 | 0.0 | 1.3 | 0.3 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 2.0 |
| 9306 | 11/2/93 | 4.6 | 21.8 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 41 | 0.0 | 6.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.6 |
| | | | | 52 | 0.0 | 4.4 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 0.0 | 0.0 | 5.5 |
| | | | | 70 | 0.0 | 1.1 | 5.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.6 |
| | | | | [illegible] | 0.0 | 0.0 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 |

Appendix Table 4. Catch rate by station, date and mesh size for fish captured during the 1991-1993 Colville Delta Winter Fish Habitat Study.

| Station | Date | Water Depth (m) | Set Duration (hrs) | Mesh (mm) | Arctic cisco | Least cisco | Broad whitefish | Humpback whitefish | Round Whitefish | Alaska Blackfish | Burbot | Rainbow smelt | Fourhorn sculpin | Total Mesh CPUE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9307 | 11/2/93 | 2.4 | 20.5 | 25 | 0.0 | 1.2 | 0.0 | 0.0 | 0.0 | 1.2 | 0.0 | 0.0 | 0.0 | 2.3 |
| | | | | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 41 | 0.0 | 8.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.2 |
| | | | | 52 | 0.0 | 8.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.2 |
| | | | | 70 | 0.0 | 32.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 32.8 |
| | | | | 89 | 0.0 | 5.9 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.0 |
| 9308 | 11/3/93 | 4.3 | 20.3 | 25 | 0.0 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 |
| | | | | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 41 | 0.0 | 19.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 19.0 |
| | | | | 52 | 0.0 | 29.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 29.6 |
| | | | | 70 | 0.0 | 24.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24.9 |
| | | | | 89 | 0.0 | 1.2 | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.6 |
| 9309 | 11/3/93 | 3.0 | 22.5 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 1.1 |
| | | | | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 52 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 70 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 |
| | | | | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9310 | 11/4/93 | 2.4 | 21.7 | 25 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 12.2 | 0.0 | 0.0 | 0.0 | 13.3 |
| | | | | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 1.1 |
| | | | | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 52 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Appendix Table 4. Catch rate by station, date and mesh size for fish captured during the 1991-1993 Colville Delta Winter Fish Habitat Study.

| Station | Date | Water Depth (m) | Set Duration (hrs) | Mesh (mm) | Arctic cisco | Least cisco | Broad whitefish | Humpback whitefish | Round Whitefish | Alaska Blackfish | Burbot | Rainbow smelt | Fourhorn sculpin | Total Mesh CPUE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9311 | 11/4/93 | 2.7 | 19.3 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 0.0 | 0.0 | 0.0 | 1.2 |
| | | | | 32 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 |
| | | | | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 52 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9312 | 11/5/93 | 7.6 | 22.0 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 41 | 0.0 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 |
| | | | | 52 | 0.0 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 |
| | | | | 70 | 0.0 | 18.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18.5 |
| | | | | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9313 | 11/5/93 | 3.7 | 20.7 | 25 | 0.0 | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 |
| | | | | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | 41 | 0.0 | 3.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 |
| | | | | 52 | 0.0 | 41.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 41.8 |
| | | | | 70 | 0.0 | 40.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 40.6 |
| | | | | 89 | 0.0 | 3.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 |

Appendix Table 5. Length frequency distributions of Arctic cisco caught during the 1991 Colville Delta Winter Fish Habitat Study by station and mesh size.

| Fork Length (mm) | 9101 Panel Number 1 | 2 | 3 | 4 | 5 | 9102 Panel Number 1 | 2 | 3 | 4 | 5 | 9103 Panel Number 1 | 2 | 3 | 4 | 5 | 9104 Panel Number 1 | 2 | 3 | 4 | 5 | 9105 Panel Number 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 100 | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 110 | 10 | | | | | | | | | | 2 | | | | | 1 | | | | | 1 | | | | |
| 120 | 7 | 2 | | | | | | | | | 8 | | | | | 1 | | | | | 1 | | | | |
| 130 | 3 | | | | | | | | | | 3 | 1 | | | | 1 | | | | | | | | | |
| 140 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 150 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 160 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 170 | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | |
| 180 | | | | | | | | | | | | | 1 | | | | | 2 | | | | | | | |
| 190 | | | 1 | | | | | | | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 210 | | | | | | | | | | | | | | | | | | | 1 | | | | | | |
| 220 | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| 230 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 240 | | | | | 1 | | | | 1 | | | | | | | | | | 1 | | | | | 2 | |
| 250 | | | | | 2 | | | | 1 | | | | | 1 | | | | | | | | | | | |
| 260 | | | | | | | | | | | | | | | | | | | 1 | | | | | | |
| 270 | | | | 1 | 1 | | | | | | | | | | 1 | | | | 1 | 1 | | | | | |
| 280 | | | | | 2 | | | | | | | | | | 1 | | | | | | | | | | 1 |
| 290 | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | |
| 300 | | | | | | | | | | | | | | | 1 | | | | | | | | | | 1 |
| 310 | | | | | | | | | | | | | | | | | | | | 1 | | | | | |
| 320 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 330 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 340 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 350 | | | | | | | | | | | | | | | | | | | | | | | | | |

Mesh 1 = 25 mm
Mesh 2 = 32 mm
Mesh 3 = 41 mm
Mesh 4 = 52 mm
Mesh 5 = 70 mm
Mesh 6 = 89 mm

Appendix Table 5. Length frequency distributions of Arctic cisco caught during the 1991 Colville Delta Winter Fish Habitat Study by station and mesh size.

| Fork Length (mm) | 9109 Panel Number 1 | 2 | 3 | 4 | 5 | 9110 Panel Number 1 | 2 | 3 | 4 | 5 | 1991 Total: All Stations Panel Number 1 | 2 | 3 | 4 | 5 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 100 | | | | | | | | | | | 1 | | | | | 1 |
| 110 | 1 | | | | | | | | | | 15 | | | | | 15 |
| 120 | 1 | 2 | | | | | | | | | 18 | 4 | | | | 22 |
| 130 | | | | | | | | | | | 7 | 1 | | | | 8 |
| 140 | | | | | | | | | | | | | | | | 0 |
| 150 | | | | | | | | | | | | | | | | 0 |
| 160 | | | 1 | | | | | | | | | | 1 | | | 1 |
| 170 | | | 2 | | | | | | | | | | 4 | | | 4 |
| 180 | | | 2 | | | | | | | | | | 5 | | | 5 |
| 190 | | | 1 | | | | | 1 | | | | | 3 | | | 3 |
| 200 | | | | | | | | 1 | | | | | 1 | | | 1 |
| 210 | | | | | | | | | | | | | | 1 | | 1 |
| 220 | | | | | 1 | | | | 2 | | | | | 3 | 1 | 4 |
| 230 | | | | 1 | | | | | 1 | | | | | 2 | | 2 |
| 240 | | | | | | | | | 2 | | | | | 6 | 1 | 7 |
| 250 | | | | | | | | | 1 | | | | | 3 | 2 | 5 |
| 260 | | | | 2 | | | | | 1 | | | | | 4 | | 4 |
| 270 | | | 1 | | | | | | 2 | | | | 1 | 4 | 3 | 8 |
| 280 | | | | | 1 | | | | 1 | 1 | | | | 1 | 6 | 7 |
| 290 | | | | | | | | | 1 | 1 | | | | 2 | 2 | 4 |
| 300 | | | | | | | | | | | | | | | 2 | 2 |
| 310 | | | | | | | | | | 1 | | | | | 2 | 2 |
| 320 | | | | | | | | | | 1 | | | | | 1 | 1 |
| 330 | | | | | | | | | | | | | | | | 0 |
| 340 | | | | | | | | | | | | | | | | 0 |
| 350 | | | | | | | | | | | | | | | | 1 |

Mesh 1 = 25 mm  Mesh 4 = 52 mm
Mesh 2 = 32 mm  Mesh 5 = 70 mm
Mesh 3 = 41 mm  Mesh 6 = 89 mm

Total: 108 *

Appendix Table 6. Length frequency distributions of Arctic cisco caught during the 1992 Colville Delta Winter Fish Habitat Study by station and mesh size.

| Fork Length (mm) | 9201 Panel Number 1 | 2 | 3 | 4 | 5 | 6 | 9203 Panel Number 1 | 2 | 3 | 4 | 5 | 6 | 9206 Panel Number 1 | 2 | 3 | 4 | 5 | 6 | 9207 Panel Number 1 | 2 | 3 | 4 | 5 | 6 | 9208 Panel Number 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 110 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 120 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 130 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 140 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 150 | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| 160 | | | 1 | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | |
| 170 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 180 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 190 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 210 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 220 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 230 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 240 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 250 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 260 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 270 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 280 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 290 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 310 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 320 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 330 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 340 | | | | | | 1 | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 350 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 360 | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| 370 | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | |
| 380 | | | | | | | | | | | | | | | | | 1 | | | | | | 1 | | | | | | | |
| 390 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 410 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 420 | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | |
| 430 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 440 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |

Panel 1 = 25 mm
Panel 2 = 32
Panel 3 = 41
Panel 4 = 52
Panel 5 = 70
Panel = 89

Appendix Table 6. Length frequency distributions of Arctic cisco caught during the 1992 Colville Delta Winter Fish Habitat Study by station and mesh size.

| Fork Length (mm) | 9211 Panel Number 1 | 2 | 3 | 4 | 5 | 6 | 1992 Total: All Stations Panel Number 1 | 2 | 3 | 4 | 5 | 6 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 100 | | | | | | | | | | | | | 0 |
| 110 | | | | | | | | | | | | | 0 |
| 120 | | | | | | | | | | | | | 0 |
| 130 | | | | | | | | | | | | | 0 |
| 140 | | | | | | | | | | | | | 0 |
| 150 | | | | | | | | 1 | | | | | 1 |
| 160 | | | | | | | | 1 | 1 | | | | 2 |
| 170 | | | | | | | | | | | | | 0 |
| 180 | | | | | | | | | | | | | 0 |
| 190 | | | | | | | | | | | | | 0 |
| 200 | | | | | | | | | | | | | 0 |
| 210 | | | | | | | | | | | | | 0 |
| 220 | | | | | | | | | | | | | 0 |
| 230 | | | | | | | | | | | | | 0 |
| 240 | | | | | | | | | | | | | 0 |
| 250 | | | | | | | | | | | | | 0 |
| 260 | | | | | | | | | | | | | 0 |
| 270 | | | | | | | | | | | | | 0 |
| 280 | | | | | | | | | | | | | 0 |
| 290 | | | | | | | | | | | | | 0 |
| 300 | | | | | | | | | | | | | 0 |
| 310 | | | | | | | | | | | | | 0 |
| 320 | | | | | 1 | | | | | | 1 | | 1 |
| 330 | | | | | | | | | | | | | 0 |
| 340 | | | | | | | | | | | 1 | 1 | 2 |
| 350 | | | | | | | | | | | 1 | | 1 |
| 360 | | | | | | | | | | | | 1 | 1 |
| 370 | | | | | | | | | | | 1 | | 1 |
| 380 | | | | | | | | | | | 2 | | 2 |
| 390 | | | | | 1 | 1 | | | | | 1 | 1 | 2 |
| 400 | | | | | 1 | | | | | | 1 | | 1 |
| 410 | | | | | 1 | 1 | | | | | 1 | 1 | 2 |
| 420 | | | | | | 1 | | | | | | 2 | 2 |
| 430 | | | | | | 1 | | | | | | 1 | 1 |
| 440 | | | | | | | | | | | | | 0 |
| | 0 | 0 | 0 | 0 | 4 | 4 | 0 | 2 | 1 | 0 | 9 | 7 | 19 |

Appendix Table 7. Length frequency distributions of Arctic cisco caught during the 1993 Colville Delta Winter Fish Habitat Study by station and mesh size.

| Fork Length (mm) | 9301 Panel Number 1 | 2 | 3 | 4 | 5 | 6 | 9303 Panel Number 1 | 2 | 3 | 4 | 5 | 6 | 9310 Panel Number 1 | 2 | 3 | 4 | 5 | 6 | 9311 Panel Number 1 | 2 | 3 | 4 | 5 | 6 | 1993 Total: All Stations Panel Number 1 | 2 | 3 | 4 | 5 | 6 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| 110 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| 120 | | | | | | | | | | | | | 1 | | | | | | | | | | | | 1 | | | | | | 1 |
| 130 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| 140 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| 150 | | | | | | | | | | | | | | | | | | | | 1 | | | | | | 1 | | | | | 1 |
| 160 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| 170 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| 180 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| 190 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| 200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| 210 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| 220 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| 230 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| 240 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| 250 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| 260 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| 270 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| 280 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| 290 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| 300 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| 310 | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 |
| 320 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| 330 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| 340 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| 350 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| 360 | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 |
| 370 | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 |
| 380 | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 |
| 390 | | | | | 1 | | | | | | | 1 | | | | | | | | | | | | | | | | | 1 | 1 | 2 |
| 400 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| 410 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| 420 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| 430 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| 440 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| 450 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 5 | 1 | 8 |

Panel 1 = 25 mm
Panel 2 = 32
Panel 3 = 41
Panel 4 = 52
Panel 5 = 70
Panel = 89

Appendix Table 8. Length frequency distributions of least cisco caught during the 1991 Colville Delta Winter Fish Habitat Study, by station and mesh size.

| Fork Length (mm) | 9101 Panel Number | | | | | 9103 Panel Number | | | | | 9104 Panel Number | | | | | 9105 Panel Number | | | | | 9106 Panel Number | | | | | 9107 Panel Number | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 5 |
| 100 | | | | | | | | | | | 1 | | | | | | | | | | 1 | | | | | | | | | |
| 110 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | |
| 120 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | |
| 130 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 140 | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| 150 | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| 160 | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 170 | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| 180 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 190 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 210 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| 220 | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | 1 | | |
| 230 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| 240 | | | | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 250 | | | | | 1 | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| 260 | | | | 1 | 1 | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| 270 | | | | | | | | | | 1 | | | | 1 | | | | | | 1 | | | | | | | | | 1 | 1 |
| 280 | | | | | 1 | | | | 1 | 2 | | | | | | | | | | 1 | | | | | | | | | 1 | |
| 290 | | | | | | | | | | 2 | | | | | | | | | | 1 | | | | | | | | | | 1 |
| 300 | | | | | | | | | | 1 | | | | | | | | | 2 | | | | | 1 | | | | | | 1 |
| 310 | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | | | | 2 |
| 320 | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | | | | 1 |
| 330 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 340 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 350 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Mesh 1 = 25 mm
Mesh 2 = 32 mm
Mesh 3 = 41 mm
Mesh 4 = 52 mm
Mesh 5 = 70 mm
Mesh 6 = 89 mm

Appendix Table 8. Length frequency distributions of least cisco caught during the 1991 Colville Delta Winter Fish Habitat Study, by station and mesh size.

| Fork Length (mm) | 9109 Panel Number 1 | 2 | 3 | 4 | 5 | 9111 Panel Number 1 | 2 | 3 | 4 | 5 | 1991 Total: All Stations Panel Number 1 | 2 | 3 | 4 | 5 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 100 | | | | | | | | | | | 2 | | | | | 2 |
| 110 | | | | | | | | | | | 1 | | | | | 1 |
| 120 | | | | | | 1 | | | | | 2 | | | | | 2 |
| 130 | | | | | | | | | | | | | | | | 0 |
| 140 | | 1 | | | | 1 | | | | | 1 | 3 | | | | 4 |
| 150 | | | | | | | | | | | 1 | | | | | 1 |
| 160 | | | | | | | | | | | | 1 | | | | 1 |
| 170 | | 1 | 2 | | | | | 1 | | | | 1 | 4 | | | 5 |
| 180 | | | | | | | | | | | | | | | | 0 |
| 190 | | | | | | | | 5 | | | | | 5 | | | 5 |
| 200 | | | | | | | | 1 | | | | | 1 | | | 1 |
| 210 | | | 2 | | | | | 5 | | | | | 7 | 1 | | 8 |
| 220 | | | | | | | | 4 | 1 | | | | 6 | 1 | | 7 |
| 230 | | | | 1 | | | | 8 | 13 | | | | 8 | 15 | | 23 |
| 240 | | | | | | | | 22 | 35 | | | | 22 | 35 | 4 | 61 |
| 250 | | | | | | | | 7 | 21 | | | | 7 | 22 | 1 | 30 |
| 260 | | | | | | | | 1 | 11 | | | | 1 | 13 | 1 | 15 |
| 270 | | | 1 | | | | | | 2 | 2 | | | 1 | 4 | 5 | 10 |
| 280 | | | | | 1 | | | | | 1 | | | | 2 | 6 | 8 |
| 290 | | | | | 2 | | | | 3 | 1 | | | | 3 | 7 | 10 |
| 300 | | | | | | | | | | | | | | 3 | 2 | 5 |
| 310 | | | | | | | | | | 1 | | | | | 6 | 6 |
| 320 | | | | | | | | | | 2 | | | | | 6 | 6 |
| 330 | | | | | | | | | | | | | | | 1 | 1 |
| 340 | | | | | | | | | | 1 | | | | | 1 | 1 |
| 350 | | | | | | | | | | | | | | | | 0 |
| | | | | | | | | | | | | | | | Total: | 213 |

Mesh 1 = 25 mm
Mesh 2 = 32 mm
Mesh 3 = 41 mm
Mesh 4 = 52 mm
Mesh 5 = 70 mm
Mesh 6 = 89 mm

Appendix Table 9. Length frequency distributions of least cisco caught during the 1992 Colville Delta Winter Fish Habitat Study, by station and mesh size.

| Fork Length (mm) | 9203 Panel Number 1 | 2 | 3 | 4 | 5 | 6 | 9204 Panel Number 1 | 2 | 3 | 4 | 5 | 6 | 9205 Panel Number 1 | 2 | 3 | 4 | 5 | 6 | 9206 Panel Number 1 | 2 | 3 | 4 | 5 | 6 | 9207 Panel Number 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 110 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 120 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 130 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 140 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 150 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 160 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 170 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 180 | | 1 | 1 | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | |
| 190 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 200 | | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 210 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 220 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 230 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 240 | | | 1 | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | |
| 250 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 260 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 270 | | | | | | | | | | 2 | 1 | | | | | | | | | | | 4 | | | | | | | | |
| 280 | | | | | | | | | | 1 | 2 | | | | | 1 | | | | | | 4 | 1 | | | | | | | |
| 290 | | | | | | | | | | 1 | 3 | | | | | | 1 | | | | | 3 | 1 | | | | | | | |
| 300 | | | | | 1 | | | | | | | | | | | | | | | | | | 2 | | | | | | 1 | |
| 310 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 320 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 330 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| 340 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 350 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| 360 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 370 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 380 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 390 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 410 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 420 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 430 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 440 | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 450 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 0 | 4 | 6 | 1 | 0 | 0 | 0 | 1 | 0 | 4 | 8 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 11 | 5 | 0 | 0 | 0 | 0 | 0 | 3 | 0 |

Panel 1 = 25 mm  Panel 3 = 41  Panel 5 = 70
Panel 2 = 32  Panel 4 = 52  Panel = 89

Appendix Table 9. Length frequency distributions of least cisco caught during the 1992 Colville Delta Winter Fish Habitat Study, by station and mesh size.

| Fork Length (mm) | 9209 Panel Number | | | | | | 9211 Panel Number | | | | | | 9212 Panel Number | | | | | | 9213 Panel Number | | | | | | 1992 Total: All Stations Panel Number | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 1 | 2 | 3 | 4 | 5 | 6 | 1 | 2 | 3 | 4 | 5 | 6 | 1 | 2 | 3 | 4 | 5 | 6 | 1 | 2 | 3 | 4 | 5 | 6 | Total |
| 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| 110 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| 120 | | | | | | | | | | | | | 1 | | | | | | | | | | | | 1 | | | | | | 1 |
| 130 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| 140 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| 150 | | | | | | | | | | | | | | 1 | | | | | | | | | | | | 2 | | | | | 2 |
| 160 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| 170 | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 |
| 180 | | | | | | | | | | | | | | 1 | | | | | | 1 | 1 | | | | | 4 | 2 | | | | 6 |
| 190 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | 3 | | | | 3 |
| 200 | | | 1 | | | | | | | | | | | | 2 | | | | | | 1 | | | | | 1 | 6 | | | | 7 |
| 210 | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | 1 | | | | 1 |
| 220 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 |
| 230 | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | 1 | | | 1 |
| 240 | | | | | | | | | | | | | | | 1 | 8 | | | | | | | | | | | 2 | 8 | 1 | | 11 |
| 250 | | | | 1 | | | | | | | | | | | | 16 | | | | 1 | 4 | 9 | | | | 1 | 4 | 26 | | | 31 |
| 260 | | | | 1 | | | | | | | | | | | | 14 | | | | | 2 | 13 | | | | | 2 | 28 | 1 | | 31 |
| 270 | | | | 1 | | | | | | | 1 | | | | 1 | 10 | 1 | | | | | 3 | | | | | 1 | 20 | 3 | | 24 |
| 280 | | | | 2 | 1 | | | | | | | | | | | 2 | 4 | | | | | 5 | 1 | | | | | 15 | 9 | | 24 |
| 290 | | | | | | | | | | | | | | | | 2 | 10 | | | | | 1 | | | | | | 7 | 15 | | 22 |
| 300 | | | | | 2 | | | | | | | | | | | | 7 | | | | | 1 | 2 | | | | | 2 | 14 | | 16 |
| 310 | | | | | | | | | | | | | | | | 1 | | | | | | 1 | 2 | | | | | 2 | 2 | | 4 |
| 320 | | | | | 1 | | | | | | 1 | | | | | | 1 | | | | | | | | | | | | 3 | | 3 |
| 330 | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | 2 | | 2 |
| 340 | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | 2 | | 2 |
| 350 | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | 1 | 1 | | 2 |
| 360 | | | | | | | | | | | 1 | | | | | | | | | | | 1 | | | | | | 1 | 1 | | 2 |
| 370 | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | 2 | | 2 |
| 380 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| 390 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| 400 | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | 1 | 1 |
| 410 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| 420 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| 430 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| 440 | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | 0 |
| 450 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| | 0 | 0 | 3 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 1 | 2 | 5 | 55 | 24 | 0 | 0 | 2 | 8 | 34 | 6 | 0 | 1 | 9 | 22 | 111 | 56 | 1 | 200 |

Appendix Table 10. Length frequency distributions of least cisco caught during the 1993 Colville Delta Winter Fish Habitat Study, by station and mesh size.

| Fork Length (mm) | 9301 Panel Number 1 | 2 | 3 | 4 | 5 | 6 | 9303 Panel Number 1 | 2 | 3 | 4 | 5 | 6 | 9304 Panel Number 1 | 2 | 3 | 4 | 5 | 6 | 9305 Panel Number 1 | 2 | 3 | 4 | 5 | 6 | 9306 Panel Number 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 110 | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| 120 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 130 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 140 | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| 150 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 160 | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| 170 | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | 1 | | | |
| 180 | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | |
| 190 | | | | | | | | | 5 | | | | | | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| 210 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 220 | | | 1 | 1 | | | | | 1 | | | | | | | | | | | | | | | | | | | 2 | | |
| 230 | | | 2 | 2 | | | | | | 1 | | | | | | | | | | | | 1 | | | | | 3 | | | |
| 240 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 250 | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 260 | | | 1 | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 270 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 280 | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | 1 | |
| 290 | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 310 | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | |
| 320 | | | | | | | | | | | | | | | | | 2 | | | | | | 1 | | | | | | | |
| 330 | | | | | 3 | | | | | | | | | | | 1 | 4 | | | | | | | | | | | | | |
| 340 | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | |
| 350 | | | | | 1 | | | | | | | | | | | | 4 | | | | | | | | | | | | | |
| 360 | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | |
| 370 | | | | | | | | | | | 2 | | | | | | | 1 | | | | | | | | | | | | |
| 380 | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| 390 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 410 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 420 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 430 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 440 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 450 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 0 | 0 | 4 | 7 | 5 | 0 | 0 | 1 | 9 | 2 | 4 | 0 | 0 | 0 | 0 | 2 | 16 | 1 | 1 | 2 | 0 | 2 | 2 | 0 | 0 | 0 | 6 | 4 | 1 | 0 |

Panel 1 = 25 mm
Panel 2 = 32
Panel 3 = 41
Panel 4 = 52
Panel 5 = 70
Panel = 89

Appendix Table 10. Length frequency distributions of least cisco caught during the 1993 Colville Delta Winter Fish Habitat Study, by station and mesh size.

| Fork Length (mm) | 9307 Panel Number 1 | 2 | 3 | 4 | 5 | 6 | 9308 Panel Number 1 | 2 | 3 | 4 | 5 | 6 | 9309 Panel Number 1 | 2 | 3 | 4 | 5 | 6 | 9312 Panel Number 1 | 2 | 3 | 4 | 5 | 6 | 9313 Panel Number 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 110 | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 120 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 130 | 1 | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | |
| 140 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 150 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 160 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 170 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 180 | | | 1 | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | |
| 190 | | | | | | | | | 1 | | | | | | | | | | | | 1 | | | | | | | | | |
| 200 | | | 2 | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| 210 | | | | | | | | | 3 | | | | | | | | | | | | | | | | | | 1 | | | |
| 220 | | | | | | | | | 6 | 4 | | | | | | | | | | | | | | | | | 1 | | | |
| 230 | | | | | | | | | 4 | 2 | | | | | | | | | | | | | | | | | 1 | | | |
| 240 | | | 2 | | | | | | 1 | 2 | | | | | | | | | | | | | | | | | | 1 | | |
| 250 | | | 2 | | | | | | | 1 | | | | | | | | | | | | 1 | | | | | | 1 | | |
| 260 | | | | 2 | | | | | | 2 | | | | | | | | | | | | | | | | | | 1 | | |
| 270 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 280 | | | | 1 | 1 | | | | | 2 | 1 | | | | | | | | | | | | 1 | | | | | 5 | | |
| 290 | | | | | | | | | | 6 | 4 | | | | | | | | | | | | | | | | | 3 | 1 | |
| 300 | | | | 1 | | | | | | 4 | 6 | | | | | | | | | | | | | | 1 | | | 7 | 4 | |
| 310 | | | | | | | | | | 2 | 6 | | | | | | | | | | | 1 | 3 | | | | | 7 | 3 | |
| 320 | | | | 2 | 2 | | | | | | 1 | | | | | | 1 | | | | | | 4 | | | | | 5 | 6 | |
| 330 | | | | | 3 | | | | | | 1 | | | | | | | | | | | | 3 | | | | | 1 | 7 | |
| 340 | | | | | 6 | | | | | | 1 | | | | | | | | | | | | 4 | | | | | 1 | 3 | 1 |
| 350 | | | | | 3 | | | | | | | | | | | | | | | | | | | | | | | 1 | 5 | |
| 360 | | | | | 1 | 1 | | | | | 1 | | | | | | | | | | | | 1 | | | | | 1 | 4 | |
| 370 | | | | | 6 | 1 | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| 380 | | | | 1 | 3 | 1 | | | | | | 1 | | | | | | | | | | | | | | | | | 1 | 1 |
| 390 | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 400 | | | | | 1 | | | | | | | | | | | | | | | | | | 1 | | | | | | | 1 |
| 410 | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 420 | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 430 | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 440 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 450 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 0 | 7 | 7 | 28 | 6 | 1 | 0 | 16 | 25 | 21 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 2 | 17 | 0 | 2 | 0 | 3 | 36 | 35 | 3 |

Appendix Table 10. Length frequency distributions of least cisco caught during the 1993 Colville Delta Winter Fish Habitat Study, by station and mesh size.

| Fork Length (mm) | 1993 Total: All Stations Panel Number 1 | 2 | 3 | 4 | 5 | 6 | Total |
|---|---|---|---|---|---|---|---|
| 100 | | | | | | | 0 |
| 110 | 2 | | | | | | 2 |
| 120 | | | | | | | 0 |
| 130 | 2 | | | | | | 2 |
| 140 | | 1 | | | | | 1 |
| 150 | | | | | | | 0 |
| 160 | | 1 | | | | | 1 |
| 170 | | 1 | 2 | | | | 3 |
| 180 | | | 4 | | | | 4 |
| 190 | | | 7 | | | | 7 |
| 200 | | | 5 | | | | 5 |
| 210 | | | 4 | 1 | | | 5 |
| 220 | | | 9 | 7 | | | 16 |
| 230 | | | 10 | 6 | | | 16 |
| 240 | | | 3 | 4 | | | 7 |
| 250 | | | 2 | 7 | | | 9 |
| 260 | | | 1 | 6 | | | 7 |
| 270 | | | | 2 | | | 2 |
| 280 | | | | 9 | 5 | | 14 |
| 290 | | | | 9 | 6 | | 15 |
| 300 | 1 | | | 12 | 11 | | 24 |
| 310 | | | | 11 | 13 | | 24 |
| 320 | | | | 7 | 17 | | 24 |
| 330 | | | | 2 | 21 | | 23 |
| 340 | | | | 1 | 17 | 1 | 19 |
| 350 | | | | 1 | 13 | | 14 |
| 360 | | | | 1 | 9 | 1 | 11 |
| 370 | | | | | 9 | 2 | 11 |
| 380 | | | | 1 | 5 | 3 | 9 |
| 390 | | | | | 2 | | 2 |
| 400 | | | | | 2 | 1 | 3 |
| 410 | | | | | | 1 | 1 |
| 420 | | | | | | 1 | 1 |
| 430 | | | | | | 1 | 1 |
| 440 | | | | | | | 0 |
| 450 | | | | | | | 0 |
| | 5 | 3 | 47 | 87 | 130 | 11 | 283 |

Appendix Table 11. Length frequency distributions of broad whitefish caught during the 1993 Colville Delta Fish Habitat Study, by station and mesh size.

| Fork Length (mm) | 9304 Panel Number 1 | 2 | 3 | 4 | 5 | 6 | 9305 Panel Number 1 | 2 | 3 | 4 | 5 | 6 | | 9306 Panel Number 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90 | | | | | | | 1 | | | | | | | | | | | | |
| 100 | | | | | | | 3 | | | | | | | | | | | | |
| 110 | | | | | | | | | | | | | | | | | | | |
| 120 | | | | | | | | | | | | | | | | | | | |
| 130 | | | | | | | | | | | | | | | | | | | |
| 140 | | | | | | | | 1 | | | | | | | | | | | |
| 150 | | | | | | | | | 3 | | | | | | | | | | |
| 160 | | | | | | | | | 2 | | | | | | | | | | |
| 170 | | | | | | | | | | | | | | | | | | | |
| 180 | | | | | | | | | | | | | | | | | | | |
| 190 | | | | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | 1 | | | | | | | | | |
| 210 | | | | | | | | | | | | | | | | | | | |
| 220 | | | | | | | | | | | | | | | | | | | |
| 230 | | | | | | | | | | | | | | | | | | | |
| 240 | | | | | | | | | | | | | | | | | | | |
| 250 | | | | | | | | | | 1 | | | | | | | | | |
| 260 | | | | | | | | | | | | | | | | | | | |
| 270 | | | | | | | | | | | | | | | | | | 1 | |
| 280 | | | | | | | | | | | | | | | | | | 1 | |
| 290 | | | | | | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | | | | | | |
| 310 | | | | | | | | | | | | | | | | | | | |
| 320 | | | | | | | | | | | | | | | | | | | |
| 330 | | | | | | | | | | | | | | | | | | 1 | |
| 340 | | | | | 1 | | | | | | 1 | | | | | | | | |
| 350 | | | | | | | | | | | | | | | | | | | |
| 360 | | | | | | | | | | | | | | | | | | | |
| 370 | | | | | | 1 | | | | | | 1 | | | | | | | |
| 380 | | | | | | | | | | | | | | | | | | 1 | |
| 390 | | | | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | | | 1 | |
| 410 | | | | | | | | | | | | 1 | | | | | | | |
| 420 | | | | | | | | | | | | | | | | | | | 1 |
| 430 | | | | | | | | | | | | | | | | | | | |
| 440 | | | | | | | | | | | | | | | | | | | 1 |
| 450 | | | | | | | | | | | | | | | | | | | |
| 460 | | | | | | | | | 1 | | | | | | | | | | |
| 470 | | | | | | | | | | | | 1 | | | | | | | |
| 480 | | | | | | | | | | | | | | | | | | | |
| 490 | | | | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | | | | |
| 510 | | | | | | | | | | | | 1 | | | | | | | |
| | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 1 | 6 | 2 | 1 | 4 | 18 | 0 | 0 | 0 | 0 | 5 | 2 |

Panel 1 = 25 mm  Panel 3 = 41  Panel 5 = 70
Panel 2 = 32  Panel 4 = 52  Panel = 89

Appendix Table 11. Length frequency distributions of broad whitefish caught during the 1993 Colville Delta Fish Habitat Study, by station and mesh size.

| Fork Length (mm) | 9307 Panel Number 1 | 2 | 3 | 4 | 5 | 6 | 9308 Panel Number 1 | 2 | 3 | 4 | 5 | 6 | 1993 Total: All Stations Panel Number 1 | 2 | 3 | 4 | 5 | 6 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90 | | | | | | | | | | | | | 1 | | | | | | 1 |
| 100 | | | | | | | | | | | | | 3 | | | | | | 3 |
| 110 | | | | | | | | | | | | | | | | | | | 0 |
| 120 | | | | | | | | | | | | | | | | | | | 0 |
| 130 | | | | | | | | | | | | | | | | | | | 0 |
| 140 | | | | | | | | | | | | | | 1 | | | | | 1 |
| 150 | | | | | | | | | | | | | | | 3 | | | | 3 |
| 160 | | | | | | | | | | | | | | | 2 | | | | 2 |
| 170 | | | | | | | | | | | | | | | | | | | 0 |
| 180 | | | | | | | | | | | | | | | | | | | 0 |
| 190 | | | | | | | | | | | | | | | | | | | 0 |
| 200 | | | | | | | | | | | | | | | | 1 | | | 1 |
| 210 | | | | | | | | | | | | | | | | | | | 0 |
| 220 | | | | | | | | | | | | | | | | | | | 0 |
| 230 | | | | | | | | | | | | | | | | | | | 0 |
| 240 | | | | | | | | | | | | | | | | | | | 0 |
| 250 | | | | | | | | | | | | | | | | 1 | | | 1 |
| 260 | | | | | | | | | | | | | | | | | | | 0 |
| 270 | | | | | | | | | | | | | | | | | 1 | | 1 |
| 280 | | | | | | | | | | | | | | | | | 1 | | 1 |
| 290 | | | | | | | | | | | | | | | | | | | 0 |
| 300 | | | | | | | | | | | | | | | | | | | 0 |
| 310 | | | | | | | | | | | | | | | | | | | 0 |
| 320 | | | | | | | | | | | | | | | | | | | 0 |
| 330 | | | | | | | | | | | | | | | | | 1 | | 1 |
| 340 | | | | | | | | | | | | | | | | | 2 | | 2 |
| 350 | | | | | | | | | | | | | | | | | | | 0 |
| 360 | | | | | | | | | | | | | | | | | | | 0 |
| 370 | | | | | | 1 | | | | | | | | | | | | 3 | 3 |
| 380 | | | | | | | | | | | | | | | | | 1 | | 1 |
| 390 | | | | | | | | | | | | 1 | | | | | | 1 | 1 |
| 400 | | | | | | | | | | | | | | | | | 1 | | 1 |
| 410 | | | | | | | | | | | | | | | | | | 1 | 1 |
| 420 | | | | | | | | | | | | | | | | | | 1 | 1 |
| 430 | | | | | | | | | | | | 1 | | | | | | 1 | 1 |
| 440 | | | | | | | | | | | | | | | | | | 1 | 1 |
| 450 | | | | | | | | | | | | | | | | | | | 0 |
| 460 | | | | | | | | | | | | | | | 1 | | | | 1 |
| 470 | | | | | | | | | | | | | | | | | | 1 | 1 |
| 480 | | | | | | | | | | | | | | | | | | | 0 |
| 490 | | | | | | | | | | | | | | | | | | | 0 |
| 500 | | | | | | | | | | | | | | | | | | | 0 |
| 510 | | | | | | | | | | | | | | | | | | 1 | 1 |
| | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 1 | 6 | 2 | 7 | 10 | 30 |

Appendix Table 12. Length frequency distributions of Alaska blackfish caught during the 1993 Colville Delta Winter Fish Survey, by station (gillnet and minnow trap catches combined).

| Fork Length (mm) | Station Number 9302 | 9305 | 9307 | 9309 | 9310 | 9311 | Total |
|---|---|---|---|---|---|---|---|
| 50 | | | | | | | 0 |
| 55 | | | | | | | 0 |
| 60 | | | | | | | 0 |
| 65 | | | 2 | | | | 2 |
| 70 | | | | | | | 0 |
| 75 | | | 1 | | | | 1 |
| 80 | | | | | | | 0 |
| 85 | | | | 1 | | | 1 |
| 90 | | 3 | 1 | 2 | 6 | 1 | 13 |
| 95 | | 2 | 1 | 1 | 5 | | 9 |
| 100 | 1 | 1 | 1 | | 1 | | 4 |
| 105 | | 1 | | | | | 1 |
| 110 | | 1 | | | | | 1 |
| 115 | | | | | | | 0 |
| 120 | | 1 | | | 1 | | 2 |
| 125 | | 1 | | | | | 1 |
| 130 | | | | | | | 0 |
| 135 | | | | | | | 0 |
| 140 | | | | | | | 0 |
| 145 | | | | | | | 0 |
| 150 | | | | | | | 0 |
| | 1 | 10 | 6 | 4 | 13 | 1 | 35 |

Appendix Table 13. Length frequency distributions of rainbow smelt caught during the 1993 Colville Delta Fish Habitat Study, by station and mesh size.

| Fork Length (mm) | 9101 Panel Number 1 | 2 | 3 | 4 | 5 | 9102 Panel Number 1 | 2 | 3 | 4 | 5 | 9104 Panel Number 1 | 2 | 3 | 4 | 5 | 9105 Panel Number 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 100 | | | | | | | | | | | | | | | | | | | | |
| 110 | | | | | | | | | | | | | | | | | | | | |
| 120 | | | | | | | | | | | | | | | | | | | | |
| 130 | | | | | | 1 | | | | | | | | | | | | | | |
| 140 | | | | | | | | | | | | | | | | | | | | |
| 150 | | | | | | | | | | | | | | | | | | | | |
| 160 | | | | | | | | | | | | | | | | | | | | |
| 170 | | | | | | | | | | | | | | | | | | | | |
| 180 | | | | | | | | | | | | | | | | | | | | |
| 190 | | | | | | | | | | | | | | | | | | | | |
| 200 | | | | | | 1 | | | | | | | | | | | | | | |
| 210 | | | | | | | | | | | | | | | | | | | | |
| 220 | | | | | | | 1 | | | | | | | | | | | | | |
| 230 | | | | | | | | 1 | | | | | | | | | | | | |
| 240 | | | | | | | | | | | | | | | | | | | | |
| 250 | | | | | | | | | 1 | | | | | 1 | | | | | | |
| 260 | | | | | | | | | 3 | | | | | 1 | | | | 1 | 1 | |
| 270 | | | | | 1 | | | | 5 | | | | | | | | | | | |
| 280 | | | | | 1 | | | | | | | | | | | | | | | |
| 290 | | | | | | | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | | | | | | | |
| 310 | | | | | | | | | | | | | | | | | | | | |
| 320 | | | | | | | | | | | | | | | | | | | | |
| 330 | | | | | | | | | | | | | | | | | | | | |
| 340 | | | | | | | | | | | | | | | | | | | | |
| 350 | | | | | | | | | | | | | | | | | | | | |

Mesh 1 = 25 mm
Mesh 2 = 32 mm
Mesh 3 = 41 mm
Mesh 4 = 52 mm
Mesh 5 = 70 mm
Mesh 6 = 89 mm

Appendix Table 13. Length frequency distributions of rainbow smelt caught during the 1993 Colville Delta Fish Habitat Study, by station and mesh size.

| Fork Length (mm) | 9109 Panel Number 1 | 2 | 3 | 4 | 5 | 9110 Panel Number 1 | 2 | 3 | 4 | 5 | 1991 Total: All Stations Panel Number 1 | 2 | 3 | 4 | 5 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 100 | | | | | | | | | | | | | | | | 0 |
| 110 | | | | | | | | | | | | | | | | 0 |
| 120 | | | | | | | | | | | | | | | | 0 |
| 130 | | | | | | | | | | | 1 | | | | | 1 |
| 140 | | | | | | | | | | | | | | | | 0 |
| 150 | | | | | | | 1 | | | | | 1 | | | | 1 |
| 160 | | | | | | | | | | | | | | | | 0 |
| 170 | | | | | | | | | | | | | | | | 0 |
| 180 | | | | | | | 1 | | | | | 1 | | | | 1 |
| 190 | | | | | | | | | | | | | | | | 0 |
| 200 | | | | | | | | 1 | | | 1 | | 1 | | | 2 |
| 210 | | | | | | | | 1 | | | | | 1 | | | 1 |
| 220 | | | | | | | | 1 | | | | 1 | 1 | | | 2 |
| 230 | | | 1 | | | | | 1 | | | | | 3 | | | 3 |
| 240 | | | | | | | | | | | | | | | | 0 |
| 250 | | | | | | | | 1 | | | | | 1 | 2 | | 4 |
| 260 | | | | 3 | | | | | 3 | | | | 1 | 11 | | 12 |
| 270 | | | | 2 | | | | | | | | | | 7 | 1 | 8 |
| 280 | | | | | | | | | 1 | | | | | 1 | 1 | 2 |
| 290 | | | | 1 | | | | | | | | | | 1 | | 1 |
| 300 | | | | | | | | | | | | | | | | 0 |
| 310 | | | | | | | | | | | | | | | | 0 |
| 320 | | | | | | | | | | | | | | | | 0 |
| 330 | | | | | | | | | | | | | | | | 0 |
| 340 | | | | | | | | | | | | | | | | 0 |
| 350 | | | | | | | | | | | | | | | | 0 |
| | | | 1 | | | | | | | | | | | | Total: | 38 |

Mesh 1 = 25 mm
Mesh 2 = 32 mm
Mesh 3 = 41 mm
Mesh 4 = 52 mm
Mesh 5 = 70 mm
Mesh 6 = 89 mm

Appendix Table 14. Mean length by age for least cisco from tapped lakes+river channel stations compared to selected isolated lake stations.

| | Anadromous[1] | | | Tapped Lakes+River Channel | | | Station 9111 | | | Station 9203 | | | Station 9204 | | | Station 9206 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Age (years) | Mean Length (mm) | Standard Deviation | Sample Size | Mean Length (mm) | Standard Deviation | Sample Size | Mean Length (mm) | Standard Deviation | Sample Size | Mean Length (mm) | Standard Deviation | Sample Size | Mean Length (mm) | Standard Deviation | Sample Size | Mean Length (mm) | Standard Deviation | Sample Size |
| 0 | | | | | | | | | | | | | | | | | | |
| 1 | 74.3 | 8.2 | 19 | 108.0 | | 1 | | | | | | | | | | | | |
| 2 | 112.9 | 9.1 | 14 | 132.7 | 16.7 | 7 | 125.0 | | 1 | | | | | | | | | |
| 3 | 154.3 | 15.8 | 14 | 171.6 | 5.5 | 5 | | | | 162.5 | 17.7 | 2 | | | | | | |
| 4 | 187.7 | 11.7 | 7 | 187.9 | 9.0 | 8 | 192.8 | 11.0 | 4 | 195.7 | 7.5 | 3 | 188.0 | | 1 | | | |
| 5 | 218.0 | 20.0 | 4 | 220.1 | 19.2 | 7 | 205.0 | 9.2 | 5 | 182.0 | | 1 | | | | | | |
| 6 | 245.1 | 15.3 | 17 | 246.8 | 17.0 | 5 | 202.0 | 11.3 | 2 | 198.0 | 5.7 | 2 | | | | | | |
| 7 | 263.8 | 9.8 | 5 | 246.3 | 24.6 | 3 | 225.5 | 13.4 | 2 | 215.0 | 35.4 | 2 | | | | | | |
| 8 | 273.0 | 16.7 | 6 | 292.2 | 19.2 | 6 | 235.0 | 7.8 | 4 | | | | | | | 278.6 | 7.7 | 5 |
| 9 | 313.0 | 14.0 | 11 | 277.1 | 17.7 | 8 | 240.3 | 10.0 | 14 | | | | 273.0 | | 1 | 284.0 | | 1 |
| 10 | 302.8 | 15.3 | 5 | 310.0 | 19.3 | 6 | 243.4 | 3.7 | 7 | | | | | | | 272.0 | | 1 |
| 11 | 328.0 | 5.7 | 2 | 294.6 | 8.9 | 7 | 248.0 | 14.4 | 42 | | | | 320.0 | 41.0 | 2 | 276.0 | 38.2 | 2 |
| 12 | 330.5 | 13.4 | 2 | 295.2 | 16.8 | 5 | 259.0 | 21.7 | 21 | | | | 290.5 | 10.5 | 4 | 288.7 | 8.6 | 3 |
| 13 | 318.8 | 12.5 | 4 | 318.0 | 18.4 | 2 | 277.3 | 30.8 | 7 | | | | 277.4 | 6.5 | 5 | 293.5 | 5.4 | 4 |
| 14 | 350.2 | 22.0 | 5 | 291.5 | 113.8 | 2 | 287.0 | 58.0 | 2 | 303.0 | | 1 | | | | | | |
| 15 | | | | 333.7 | 17.2 | 3 | | | | | | | | | | | | |
| 16 | 357.0 | 5.3 | 3 | 370.0 | | 1 | 248.0 | | 1 | | | | | | | | | |
| 17 | 338.0 | 26.9 | 2 | | | | 276.0 | | 1 | | | | | | | | | |
| 18 | 343.0 | | 1 | 304.0 | | 1 | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | | |
| 20 | | | | 327.0 | | 1 | | | | | | | | | | | | |
| 21 | 352.0 | | 1 | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | |
| Total: | | | 122 | | | 78 | | | 113 | | | 11 | | | 13 | | | 16 |
| Growth Type | | | | | Normal | | | Stunted | | | ? | | | Normal | | | Normal | |

[1] anadromous least cisco caught during fyke net sampling in 1985 (Fawcett et al. 1986)

Appendix Table 14. Mean length by age for least cisco from tapped lakes+river channel stations compared to selected isolated lake stations.

| | Station 9209 | | | Station 9211 | | | Station 9212 | | | Station 9213 | | | Station 9301 | | | Station 9304 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Age (years) | Mean Length (mm) | Standard Deviation | Sample Size | Mean Length (mm) | Standard Deviation | Sample Size | Mean Length (mm) | Standard Deviation | Sample Size | Mean Length (mm) | Standard Deviation | Sample Size | Mean Length (mm) | Standard Deviation | Sample Size | Mean Length (mm) | Standard Deviation | Sample Size |
| 0 | | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | 119.0 | | 1 | | | | | | | | | |
| 3 | | | | | | | 159.0 | | 1 | | | | | | | | | |
| 4 | | | | | | | 180.0 | | 1 | 186.0 | | 1 | 234.5 | 12.5 | 6 | | | |
| 5 | 224.0 | | 1 | | | | 209.0 | 3.0 | 3 | 196.5 | 13.4 | 2 | 242.8 | 17.2 | 4 | 267.0 | | 1 |
| 6 | 222.0 | 33.2 | 3 | 275.0 | | 1 | | | | | | | 255.0 | | 1 | | | |
| 7 | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | 250.0 | | 1 | | | | | | | 354.0 | | 1 |
| 10 | 273.0 | | 1 | | | | 266.3 | 17.3 | 6 | 258.0 | 5.7 | 2 | | | | | | |
| 11 | 281.0 | | 1 | | | | 265.4 | 18.3 | 16 | 260.9 | 8.4 | 14 | 313.0 | 24.0 | 2 | 331.0 | | 1 |
| 12 | 284.8 | 20.6 | 5 | | | | 267.9 | 15.7 | 21 | 273.0 | 28.9 | 13 | | | | 350.3 | 18.5 | 6 |
| 13 | | | | | | | 268.0 | 21.3 | 17 | 265.4 | 10.1 | 7 | 331.0 | | 1 | 351.0 | 24.0 | 2 |
| 14 | | | | 375.0 | | 1 | 275.8 | 20.0 | 5 | 276.0 | 7.1 | 2 | 337.0 | | 1 | 344.4 | 21.1 | 5 |
| 15 | | | | 367.0 | | 1 | 279.3 | 22.3 | 4 | 314.0 | 32.5 | 2 | | | | 348.0 | | 1 |
| 16 | | | | 403.0 | | 1 | 316.4 | 26.1 | 7 | | | | | | | 338.0 | | 1 |
| 17 | 326.0 | | 1 | 325.0 | | 1 | | | | 305.0 | 7.1 | 2 | | | | | | |
| 18 | | | | | | | | | | 301.0 | | 1 | | | | | | |
| 19 | | | | | | | 295.0 | | 1 | 310.3 | 8.5 | 3 | | | | | | |
| 20 | | | | 374.0 | | 1 | 301.0 | | 1 | 287.0 | | 1 | | | | 353.0 | | 1 |
| 21 | | | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | 350.0 | | 1 | | | |
| Total: | | | 12 | | | 6 | | | 85 | | | 50 | | | 16 | | | 19 |
| Growth Type | | ? | | | Large | | | Stunted | | | Stunted | | | Normal | | | Large | |

Appendix Table 14. Mean length by age for least cisco from tapped lakes+river channel stations compared to selected isolated lake stations.

| | Station 9306 | | | Station 9307 | | | Station 9308 | | | Station 9312 | | | Station 9313 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Age (years) | Mean Length (mm) | Standard Deviation | Sample Size | Mean Length (mm) | Standard Deviation | Sample Size | Mean Length (mm) | Standard Deviation | Sample Size | Mean Length (mm) | Standard Deviation | Sample Size | Mean Length (mm) | Standard Deviation | Sample Size |
| 0 | | | | | | | | | | | | | | | |
| 1 | | | | 132.0 | | 1 | 113.0 | | 1 | | | | | | |
| 2 | | | | | | | | | | | | | | | |
| 3 | 202.3 | 22.2 | 4 | 199.7 | 10.2 | 3 | | | | 189.5 | 2.1 | 2 | 138.0 | | 1 |
| 4 | 231.8 | 4.9 | 4 | 263.0 | 20.9 | 7 | 220.0 | | 1 | 250.0 | | 1 | | | |
| 5 | | | | 301.7 | 27.1 | 3 | 222.2 | 13.4 | 12 | | | | 227.0 | 12.7 | 2 |
| 6 | 252.0 | | 2 | 338.0 | 2.8 | 2 | 226.0 | 7.2 | 8 | | | | 222.0 | | 1 |
| 7 | | | | 341.0 | 19.5 | 6 | 249.5 | 12.0 | 4 | 320.3 | 9.3 | 3 | 284.5 | 48.8 | 2 |
| 8 | | | | 356.8 | 19.8 | 9 | 259.0 | 11.3 | 2 | 295.0 | 21.2 | 2 | 280.6 | 25.9 | 5 |
| 9 | | | | 369.6 | 17.6 | 5 | | | | 332.8 | 8.2 | 4 | 293.1 | 13.7 | 9 |
| 10 | | | | 386.5 | 6.4 | 2 | 295.0 | 4.2 | 2 | 347.6 | 31.2 | 5 | 299.0 | 17.1 | 4 |
| 11 | | | | 404.0 | 13.1 | 3 | 309.0 | | 1 | 337.8 | 19.7 | 4 | 309.4 | 15.2 | 10 |
| 12 | | | | 400.0 | 38.2 | 2 | 304.7 | 9.9 | 7 | | | | 325.9 | 10.7 | 12 |
| 13 | 288.0 | | 1 | 402.5 | 38.9 | 2 | 297.2 | 5.8 | 6 | | | | 329.0 | 23.5 | 6 |
| 14 | | | | 340.0 | | 1 | 303.7 | 14.1 | 9 | | | | 345.6 | 28.0 | 7 |
| 15 | | | | 370.0 | 14.1 | 2 | 310.5 | 4.9 | 2 | | | | 322.3 | 13.5 | 6 |
| 16 | | | | | | | 366.0 | | 1 | | | | 339.7 | 9.9 | 6 |
| 17 | | | | | | | 300.3 | 12.9 | 4 | | | | 362.7 | 11.2 | 3 |
| 18 | | | | | | | | | | | | | | | |
| 19 | | | | | | | 344.0 | | 1 | | | | 361.5 | 7.8 | 2 |
| 20 | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | 383.0 | | 1 |
| 22 | | | | | | | | | | | | | 367.0 | | 1 |
| 23 | | | | | | | | | | | | | 406.0 | | 1 |
| 24 | | | | | | | 321.0 | | 1 | | | | | | |
| 25 | | | | | | | | | | | | | | | |
| Total: | | | 11 | | | 48 | | | 62 | | | | | | 79 |
| Growth Type | | ? | | | Large | | | Normal | | | Large | | | Normal | |

Appendix Table 15. Date, location and size of humpback whitefish, round whitefish and burbot captured during 1993 Colville Delta Winter Fish Habitat Study.

| Species | Station | Date | Panel No. | Stretched Mesh (mm) | Fork Length (mm) |
|---|---|---|---|---|---|
| Humpback Whitefish | | | | | |
| | 9305 | 10/31/93 | 6 | 89 | 350 |
| Round Whitefish | | | | | |
| | 9305 | 10/31/93 | 1 | 25 | 121 |
| | 9305 | 10/31/93 | 1 | 25 | 123 |
| | 9304 | 10/31/93 | 5 | 70 | 346 |
| | 9304 | 10/31/93 | 5 | 70 | 344 |
| Burbot | | | | | |
| | 9305 | 10/31/93 | Minnow Trap | -- | 56 |
| | 9305 | 10/31/93 | 6 | 89 | 379 |
| | 9304 | 10/31/93 | 6 | 89 | 500 |
| | 9304 | 10/31/93 | 5 | 70 | 400 |
| | 9306 | 11/2/93 | 4 | 52 | 647 |

Appendix Table 16. Catch data from 1991-1993 gillnet sampling in the Colville River Delta.

| Set No. | Method | Station | Habitat | Date Checked | Time Checked | Panel Number | Panel Length (ft) | Mesh (in) | Fishing Duration (hours) | Species | Number Caught | Number Sampled |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9101 | Gillnet | 9101 | RC | 11/2/91 | 1015 | 1 | 20 | 1.00 | 22 | FHSC | 1 | 0 |
| 9101 | Gillnet | 9101 | RC | 11/2/91 | 1015 | 1 | 20 | 1.00 | 22 | ARCS | 4 | 4 |
| 9101 | Gillnet | 9101 | RC | 11/2/91 | 1015 | 2 | 20 | 1.25 | 22 | NONE | 0 | 0 |
| 9101 | Gillnet | 9101 | RC | 11/2/91 | 1015 | 3 | 20 | 1.63 | 22 | NONE | 0 | 0 |
| 9101 | Gillnet | 9101 | RC | 11/2/91 | 1015 | 4 | 20 | 2.06 | 22 | LSCS | 1 | 1 |
| 9101 | Gillnet | 9101 | RC | 11/2/91 | 1015 | 4 | 20 | 2.06 | 22 | ARCS | 1 | 1 |
| 9101 | Gillnet | 9101 | RC | 11/2/91 | 1015 | 5 | 20 | 2.75 | 22 | ARCS | 1 | 1 |
| 9101 | Gillnet | 9101 | RC | 11/2/91 | 1015 | 5 | 20 | 2.75 | 22 | LSCS | 2 | 2 |
| 9101 | Gillnet | 9101 | RC | 11/2/91 | 1015 | 5 | 20 | 2.75 | 22 | RBSM | 1 | 1 |
| 9101 | Gillnet | 9101 | RC | 11/2/91 | 1015 | 6 | 20 | 3.50 | 22 | NONE | 0 | 0 |
| 9102 | Gillnet | 9101 | RC | 11/3/91 | 1000 | 1 | 20 | 1.00 | 24 | ARCS | 17 | 17 |
| 9102 | Gillnet | 9101 | RC | 11/3/91 | 1000 | 1 | 20 | 1.00 | 24 | FHSC | 1 | 0 |
| 9102 | Gillnet | 9101 | RC | 11/3/91 | 1000 | 2 | 20 | 1.25 | 24 | ARCS | 2 | 2 |
| 9102 | Gillnet | 9101 | RC | 11/3/91 | 1000 | 3 | 20 | 1.63 | 24 | ARCS | 1 | 1 |
| 9102 | Gillnet | 9101 | RC | 11/3/91 | 1000 | 3 | 20 | 1.63 | 24 | FHSC | 1 | 0 |
| 9102 | Gillnet | 9101 | RC | 11/3/91 | 1000 | 4 | 20 | 2.06 | 24 | LSCS | 4 | 4 |
| 9102 | Gillnet | 9101 | RC | 11/3/91 | 1000 | 4 | 20 | 2.06 | 24 | ARCS | 5 | 5 |
| 9102 | Gillnet | 9101 | RC | 11/3/91 | 1000 | 4 | 20 | 2.06 | 24 | RBSM | 1 | 1 |
| 9102 | Gillnet | 9101 | RC | 11/3/91 | 1000 | 4 | 20 | 2.06 | 24 | FHSC | 1 | 0 |
| 9102 | Gillnet | 9101 | RC | 11/3/91 | 1000 | 5 | 20 | 2.75 | 24 | LSCS | 1 | 1 |
| 9102 | Gillnet | 9101 | RC | 11/3/91 | 1000 | 6 | 20 | 3.50 | 24 | NONE | 0 | 0 |
| 9103 | Gillnet | 9102 | TL | 11/3/91 | 1000 | 1 | 20 | 1.00 | 23 | NONE | 0 | 0 |
| 9103 | Gillnet | 9102 | TL | 11/3/91 | 1000 | 2 | 20 | 1.25 | 23 | NONE | 0 | 0 |
| 9103 | Gillnet | 9102 | TL | 11/3/91 | 1000 | 3 | 20 | 1.63 | 23 | NONE | 0 | 0 |
| 9103 | Gillnet | 9102 | TL | 11/3/91 | 1000 | 4 | 20 | 2.06 | 23 | RBSM | 3 | 3 |
| 9103 | Gillnet | 9102 | TL | 11/3/91 | 1000 | 5 | 20 | 2.75 | 23 | NONE | 0 | 0 |
| 9103 | Gillnet | 9102 | TL | 11/3/91 | 1000 | 6 | 20 | 3.50 | 23 | NONE | 0 | 0 |
| 9104 | Gillnet | 9103 | RC | 11/3/91 | 1115 | 1 | 20 | 1.00 | 22 | ARCS | 13 | 13 |
| 9104 | Gillnet | 9103 | RC | 11/3/91 | 1115 | 1 | 20 | 1.00 | 22 | FHSC | 1 | 0 |
| 9104 | Gillnet | 9103 | RC | 11/3/91 | 1115 | 2 | 20 | 1.25 | 22 | LSCS | 2 | 2 |
| 9104 | Gillnet | 9103 | RC | 11/3/91 | 1115 | 2 | 20 | 1.25 | 22 | ARCS | 1 | 1 |
| 9104 | Gillnet | 9103 | RC | 11/3/91 | 1115 | 3 | 20 | 1.63 | 22 | LSCS | 1 | 1 |
| 9104 | Gillnet | 9103 | RC | 11/3/91 | 1115 | 3 | 20 | 1.63 | 22 | ARCS | 2 | 2 |
| 9104 | Gillnet | 9103 | RC | 11/3/91 | 1115 | 4 | 20 | 2.06 | 22 | ARCS | 2 | 2 |
| 9104 | Gillnet | 9103 | RC | 11/3/91 | 1115 | 4 | 20 | 2.06 | 22 | LSCS | 1 | 1 |
| 9104 | Gillnet | 9103 | RC | 11/3/91 | 1115 | 5 | 20 | 2.75 | 22 | ARCS | 4 | 4 |
| 9104 | Gillnet | 9103 | RC | 11/3/91 | 1115 | 5 | 20 | 2.75 | 22 | LSCS | 9 | 9 |
| 9104 | Gillnet | 9103 | RC | 11/3/91 | 1115 | 5 | 20 | 2.75 | 22 | FHSC | 2 | 0 |
| 9104 | Gillnet | 9103 | RC | 11/3/91 | 1115 | 6 | 20 | 3.50 | 22 | NONE | 0 | 0 |
| 9105 | Gillnet | 9102 | TL | 11/5/91 | 1030 | 1 | 20 | 1.00 | 48 | RBSM | 2 | 2 |
| 9105 | Gillnet | 9102 | TL | 11/5/91 | 1030 | 2 | 20 | 1.25 | 48 | RBSM | 1 | 1 |
| 9105 | Gillnet | 9102 | TL | 11/5/91 | 1030 | 3 | 20 | 1.63 | 48 | RBSM | 1 | 1 |
| 9105 | Gillnet | 9102 | TL | 11/5/91 | 1030 | 4 | 20 | 2.06 | 48 | RBSM | 6 | 6 |
| 9105 | Gillnet | 9102 | TL | 11/5/91 | 1030 | 4 | 20 | 2.06 | 48 | ARCS | 2 | 2 |
| 9105 | Gillnet | 9102 | TL | 11/5/91 | 1030 | 5 | 20 | 2.75 | 48 | NONE | 0 | 0 |
| 9105 | Gillnet | 9102 | TL | 11/5/91 | 1030 | 6 | 20 | 3.50 | 48 | NONE | 0 | 0 |
| 9106 | Gillnet | 9104 | RC | 11/5/91 | 1400 | 1 | 20 | 1.00 | 48 | ARCS | 2 | 2 |
| 9106 | Gillnet | 9104 | RC | 11/5/91 | 1400 | 2 | 20 | 1.25 | 48 | NONE | 0 | 0 |
| 9106 | Gillnet | 9104 | RC | 11/5/91 | 1400 | 3 | 20 | 1.63 | 48 | LSCS | 2 | 2 |
| 9106 | Gillnet | 9104 | RC | 11/5/91 | 1400 | 3 | 20 | 1.63 | 48 | ARCS | 3 | 3 |
| 9106 | Gillnet | 9104 | RC | 11/5/91 | 1400 | 3 | 20 | 1.63 | 48 | FHSC | 1 | 0 |
| 9106 | Gillnet | 9104 | RC | 11/5/91 | 1400 | 4 | 20 | 2.06 | 48 | ARCS | 3 | 3 |
| 9106 | Gillnet | 9104 | RC | 11/5/91 | 1400 | 4 | 20 | 2.06 | 48 | LSCS | 1 | 1 |
| 9106 | Gillnet | 9104 | RC | 11/5/91 | 1400 | 5 | 20 | 2.75 | 48 | NONE | 0 | 0 |
| 9106 | Gillnet | 9104 | RC | 11/5/91 | 1400 | 6 | 20 | 3.50 | 48 | NONE | 0 | 0 |
| 9107 | Gillnet | 9105 | TL | 11/5/91 | 1500 | 1 | 20 | 1.00 | 48 | NONE | 0 | 0 |
| 9107 | Gillnet | 9105 | TL | 11/5/91 | 1500 | 2 | 20 | 1.25 | 48 | NONE | 0 | 0 |
| 9107 | Gillnet | 9105 | TL | 11/5/91 | 1500 | 3 | 20 | 1.63 | 48 | NONE | 0 | 0 |

Appendix Table 16. Catch data from 1991-1993 gillnet sampling in the Colville River Delta.

| Set No. | Method | Station | Habitat | Date Checked | Time Checked | Panel Number | Panel Length (ft) | Mesh (in) | Fishing Duration (hours) | Species | Number Caught | Number Sampled |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9107 | Gillnet | 9105 | TL | 11/5/91 | 1500 | 4 | 20 | 2.06 | 48 | LSCS | 3 | 3 |
| 9107 | Gillnet | 9105 | TL | 11/5/91 | 1500 | 5 | 20 | 2.75 | 48 | ARCS | 2 | 2 |
| 9107 | Gillnet | 9105 | TL | 11/5/91 | 1500 | 6 | 20 | 3.50 | 48 | NONE | 0 | 0 |
| 9108 | Gillnet | 9106 | TL | 11/6/91 | 1000 | 1 | 20 | 1.00 | 22 | LSCS | 3 | 3 |
| 9108 | Gillnet | 9106 | TL | 11/6/91 | 1000 | 2 | 20 | 1.25 | 22 | NONE | 0 | 0 |
| 9108 | Gillnet | 9106 | TL | 11/6/91 | 1000 | 3 | 20 | 1.63 | 22 | NONE | 0 | 0 |
| 9108 | Gillnet | 9106 | TL | 11/6/91 | 1000 | 4 | 20 | 2.06 | 22 | LSCS | 1 | 1 |
| 9108 | Gillnet | 9106 | TL | 11/6/91 | 1000 | 5 | 20 | 2.75 | 22 | LSCS | 1 | 1 |
| 9108 | Gillnet | 9106 | TL | 11/6/91 | 1000 | 5 | 20 | 2.75 | 22 | BDWF | 3 | 3 |
| 9108 | Gillnet | 9106 | TL | 11/6/91 | 1000 | 6 | 20 | 3.50 | 22 | BDWF | 1 | 1 |
| 9109 | Gillnet | 9107 | TL | 11/6/91 | 1040 | 1 | 20 | 1.00 | 21 | ARCS | 2 | 2 |
| 9109 | Gillnet | 9107 | TL | 11/6/91 | 1040 | 1 | 20 | 1.00 | 21 | LSCS | 1 | 1 |
| 9109 | Gillnet | 9107 | TL | 11/6/91 | 1040 | 2 | 20 | 1.25 | 21 | NONE | 0 | 0 |
| 9109 | Gillnet | 9107 | TL | 11/6/91 | 1040 | 3 | 20 | 1.63 | 21 | HBWF | 1 | 1 |
| 9109 | Gillnet | 9107 | TL | 11/6/91 | 1040 | 3 | 20 | 1.63 | 21 | LSCS | 1 | 1 |
| 9109 | Gillnet | 9107 | TL | 11/6/91 | 1040 | 4 | 20 | 2.06 | 21 | ARCS | 1 | 1 |
| 9109 | Gillnet | 9107 | TL | 11/6/91 | 1040 | 4 | 20 | 2.06 | 21 | LSCS | 4 | 4 |
| 9109 | Gillnet | 9107 | TL | 11/6/91 | 1040 | 5 | 20 | 2.75 | 21 | BDWF | 2 | 2 |
| 9109 | Gillnet | 9107 | TL | 11/6/91 | 1040 | 5 | 20 | 2.75 | 21 | LSCS | 7 | 7 |
| 9109 | Gillnet | 9107 | TL | 11/6/91 | 1040 | 5 | 20 | 2.75 | 21 | FHSC | 1 | 0 |
| 9109 | Gillnet | 9107 | TL | 11/6/91 | 1040 | 6 | 20 | 3.50 | 21 | BDWF | 2 | 2 |
| 9110 | Gillnet | 9104 | RC | 11/6/91 | 1115 | 1 | 20 | 1.00 | 21 | NONE | 0 | 0 |
| 9110 | Gillnet | 9104 | RC | 11/6/91 | 1115 | 2 | 20 | 1.25 | 21 | NONE | 0 | 0 |
| 9110 | Gillnet | 9104 | RC | 11/6/91 | 1115 | 3 | 20 | 1.63 | 21 | NONE | 0 | 0 |
| 9110 | Gillnet | 9104 | RC | 11/6/91 | 1115 | 4 | 20 | 2.06 | 21 | RBSM | 1 | 1 |
| 9110 | Gillnet | 9104 | RC | 11/6/91 | 1115 | 4 | 20 | 2.06 | 21 | ARCS | 1 | 1 |
| 9110 | Gillnet | 9104 | RC | 11/6/91 | 1115 | 5 | 20 | 2.75 | 21 | ARCS | 2 | 2 |
| 9110 | Gillnet | 9104 | RC | 11/6/91 | 1115 | 6 | 20 | 3.50 | 21 | RBSM | 1 | 1 |
| 9110 | Gillnet | 9104 | RC | 11/6/91 | 1115 | 6 | 20 | 3.50 | 21 | ARCS | 1 | 1 |
| 9111 | Gillnet | 9105 | TL | 11/6/91 | 1145 | 1 | 20 | 1.00 | 20 | NONE | 0 | 0 |
| 9111 | Gillnet | 9105 | TL | 11/6/91 | 1145 | 2 | 20 | 1.25 | 20 | NONE | 0 | 0 |
| 9111 | Gillnet | 9105 | TL | 11/6/91 | 1145 | 3 | 20 | 1.63 | 20 | RBSM | 1 | 1 |
| 9111 | Gillnet | 9105 | TL | 11/6/91 | 1145 | 4 | 20 | 2.06 | 20 | ARCS | 2 | 2 |
| 9111 | Gillnet | 9105 | TL | 11/6/91 | 1145 | 4 | 20 | 2.06 | 20 | RBSM | 1 | 1 |
| 9111 | Gillnet | 9105 | TL | 11/6/91 | 1145 | 5 | 20 | 2.75 | 20 | LSCS | 3 | 3 |
| 9111 | Gillnet | 9105 | TL | 11/6/91 | 1145 | 6 | 20 | 3.50 | 20 | NONE | 0 | 0 |
| 9112 | Gillnet | 9106 | TL | 11/7/91 | 1000 | 1 | 20 | 1.00 | 24 | NONE | 0 | 0 |
| 9112 | Gillnet | 9106 | TL | 11/7/91 | 1000 | 2 | 20 | 1.25 | 24 | NONE | 0 | 0 |
| 9112 | Gillnet | 9106 | TL | 11/7/91 | 1000 | 3 | 20 | 1.63 | 24 | NONE | 0 | 0 |
| 9112 | Gillnet | 9106 | TL | 11/7/91 | 1000 | 4 | 20 | 2.06 | 24 | NONE | 0 | 0 |
| 9112 | Gillnet | 9106 | TL | 11/7/91 | 1000 | 5 | 20 | 2.75 | 24 | LSCS | 2 | 2 |
| 9112 | Gillnet | 9106 | TL | 11/7/91 | 1000 | 5 | 20 | 2.75 | 24 | BDWF | 1 | 1 |
| 9112 | Gillnet | 9106 | TL | 11/7/91 | 1000 | 6 | 20 | 3.50 | 24 | NONE | 0 | 0 |
| 9113 | Gillnet | 9104 | RC | 11/7/91 | 1020 | 1 | 20 | 1.00 | 23 | ARCS | 1 | 1 |
| 9113 | Gillnet | 9104 | RC | 11/7/91 | 1020 | 1 | 20 | 1.00 | 23 | LSCS | 1 | 1 |
| 9113 | Gillnet | 9104 | RC | 11/7/91 | 1020 | 2 | 20 | 1.25 | 23 | NONE | 0 | 0 |
| 9113 | Gillnet | 9104 | RC | 11/7/91 | 1020 | 3 | 20 | 1.63 | 23 | NONE | 0 | 0 |
| 9113 | Gillnet | 9104 | RC | 11/7/91 | 1020 | 4 | 20 | 2.06 | 23 | LSCS | 1 | 1 |
| 9113 | Gillnet | 9104 | RC | 11/7/91 | 1020 | 4 | 20 | 2.06 | 23 | RBSM | 1 | 1 |
| 9113 | Gillnet | 9104 | RC | 11/7/91 | 1020 | 5 | 20 | 2.75 | 23 | NONE | 0 | 0 |
| 9113 | Gillnet | 9104 | RC | 11/7/91 | 1020 | 6 | 20 | 3.50 | 23 | NONE | 0 | 0 |
| 9114 | Gillnet | 9105 | TL | 11/6/91 | 1430 | 1 | 20 | 1.00 | 2 | NONE | 0 | 0 |
| 9114 | Gillnet | 9105 | TL | 11/6/91 | 1430 | 2 | 20 | 1.25 | 2 | NONE | 0 | 0 |
| 9115 | Gillnet | 9108 | RC | 11/7/91 | 1045 | 1 | 20 | 1.00 | 21 | NONE | 0 | 0 |
| 9115 | Gillnet | 9108 | RC | 11/7/91 | 1045 | 2 | 20 | 1.25 | 21 | NONE | 0 | 0 |
| 9115 | Gillnet | 9108 | RC | 11/7/91 | 1045 | 3 | 20 | 1.63 | 21 | NONE | 0 | 0 |
| 9115 | Gillnet | 9108 | RC | 11/7/91 | 1045 | 4 | 20 | 2.06 | 21 | NONE | 0 | 0 |
| 9115 | Gillnet | 9108 | RC | 11/7/91 | 1045 | 5 | 20 | 2.75 | 21 | NONE | 0 | 0 |

Appendix Table 16. Catch data from 1991-1993 gillnet sampling in the Colville River Delta.

| Set No. | Method | Station | Habitat | Date Checked | Time Checked | Panel Number | Panel Length (ft) | Mesh (in) | Fishing Duration (hours) | Species | Number Caught | Number Sampled |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9115 | Gillnet | 9108 | RC | 11/7/91 | 1045 | 6 | 20 | 3.50 | 21 | NONE | 0 | 0 |
| 9116 | Gillnet | 9109 | RC | 11/7/91 | 1115 | 1 | 20 | 1.00 | 20 | ARCS | 2 | 2 |
| 9116 | Gillnet | 9109 | RC | 11/7/91 | 1115 | 2 | 20 | 1.25 | 20 | LSCS | 2 | 2 |
| 9116 | Gillnet | 9109 | RC | 11/7/91 | 1115 | 3 | 20 | 1.63 | 20 | ARCS | 2 | 2 |
| 9116 | Gillnet | 9109 | RC | 11/7/91 | 1115 | 3 | 20 | 1.63 | 20 | LSCS | 4 | 4 |
| 9116 | Gillnet | 9109 | RC | 11/7/91 | 1115 | 4 | 20 | 2.06 | 20 | RBSM | 3 | 3 |
| 9116 | Gillnet | 9109 | RC | 11/7/91 | 1115 | 4 | 20 | 2.06 | 20 | ARCS | 2 | 2 |
| 9116 | Gillnet | 9109 | RC | 11/7/91 | 1115 | 4 | 20 | 2.06 | 20 | FHSC | 1 | 0 |
| 9116 | Gillnet | 9109 | RC | 11/7/91 | 1115 | 5 | 20 | 2.75 | 20 | ARCS | 1 | 1 |
| 9116 | Gillnet | 9109 | RC | 11/7/91 | 1115 | 6 | 20 | 3.50 | 20 | NONE | 0 | 0 |
| 9117 | Gillnet | 9108 | RC | 11/9/91 | 1245 | 1 | 20 | 1.00 | 50 | NONE | 0 | 0 |
| 9117 | Gillnet | 9108 | RC | 11/9/91 | 1245 | 2 | 20 | 1.25 | 50 | NONE | 0 | 0 |
| 9117 | Gillnet | 9108 | RC | 11/9/91 | 1245 | 3 | 20 | 1.63 | 50 | NONE | 0 | 0 |
| 9117 | Gillnet | 9108 | RC | 11/9/91 | 1245 | 4 | 20 | 2.06 | 50 | NONE | 0 | 0 |
| 9117 | Gillnet | 9108 | RC | 11/9/91 | 1245 | 5 | 20 | 2.75 | 50 | NONE | 0 | 0 |
| 9117 | Gillnet | 9108 | RC | 11/9/91 | 1245 | 6 | 20 | 3.50 | 50 | NONE | 0 | 0 |
| 9118 | Gillnet | 9109 | RC | 11/9/91 | 1215 | 1 | 20 | 1.00 | 49 | NONE | 0 | 0 |
| 9118 | Gillnet | 9109 | RC | 11/9/91 | 1215 | 2 | 20 | 1.25 | 49 | ARCS | 2 | 2 |
| 9118 | Gillnet | 9109 | RC | 11/9/91 | 1215 | 3 | 20 | 1.63 | 49 | ARCS | 4 | 4 |
| 9118 | Gillnet | 9109 | RC | 11/9/91 | 1215 | 3 | 20 | 1.63 | 49 | LSCS | 1 | 1 |
| 9118 | Gillnet | 9109 | RC | 11/9/91 | 1215 | 3 | 20 | 1.63 | 49 | RBSM | 1 | 1 |
| 9118 | Gillnet | 9109 | RC | 11/9/91 | 1215 | 4 | 20 | 2.06 | 49 | ARCS | 1 | 1 |
| 9118 | Gillnet | 9109 | RC | 11/9/91 | 1215 | 4 | 20 | 2.06 | 49 | LSCS | 1 | 1 |
| 9118 | Gillnet | 9109 | RC | 11/9/91 | 1215 | 4 | 20 | 2.06 | 49 | RBSM | 3 | 3 |
| 9118 | Gillnet | 9109 | RC | 11/9/91 | 1215 | 5 | 20 | 2.75 | 49 | ARCS | 1 | 1 |
| 9118 | Gillnet | 9109 | RC | 11/9/91 | 1215 | 5 | 20 | 2.75 | 49 | FHSC | 1 | 1 |
| 9118 | Gillnet | 9109 | RC | 11/9/91 | 1215 | 5 | 20 | 2.75 | 49 | LSCS | 3 | 3 |
| 9118 | Gillnet | 9109 | RC | 11/9/91 | 1215 | 6 | 20 | 3.50 | 49 | NONE | 0 | 0 |
| 9119 | Gillnet | 9110 | RC | 11/9/91 | 1145 | 1 | 20 | 1.00 | 47 | NONE | 0 | 0 |
| 9119 | Gillnet | 9110 | RC | 11/9/91 | 1145 | 2 | 20 | 1.25 | 47 | RBSM | 1 | 1 |
| 9119 | Gillnet | 9110 | RC | 11/9/91 | 1145 | 3 | 20 | 1.63 | 47 | RBSM | 6 | 5 |
| 9119 | Gillnet | 9110 | RC | 11/9/91 | 1145 | 4 | 20 | 2.06 | 47 | ARCS | 10 | 10 |
| 9119 | Gillnet | 9110 | RC | 11/9/91 | 1145 | 4 | 20 | 2.06 | 47 | RBSM | 2 | 2 |
| 9119 | Gillnet | 9110 | RC | 11/9/91 | 1145 | 5 | 20 | 2.75 | 47 | ARCS | 4 | 4 |
| 9119 | Gillnet | 9110 | RC | 11/9/91 | 1145 | 6 | 20 | 3.50 | 47 | NONE | 0 | 0 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 1 | 20 | 1.00 | 44 | LSCS | 2 | 2 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 2 | 20 | 1.25 | 44 | NONE | 0 | 0 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 20 | 1.63 | 44 | LSCS | 54 | 54 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 20 | 2.06 | 44 | LSCS | 86 | 86 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 5 | 20 | 2.75 | 44 | LSCS | 8 | 8 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 6 | 20 | 3.50 | 44 | NONE | 0 | 0 |
| 9121 | Gillnet | 9110 | RC | 11/10/91 | 1045 | 1 | 20 | 1.00 | 23 | NONE | 0 | 0 |
| 9121 | Gillnet | 9110 | RC | 11/10/91 | 1045 | 2 | 20 | 1.25 | 23 | RBSM | 1 | 0 |
| 9121 | Gillnet | 9110 | RC | 11/10/91 | 1045 | 3 | 20 | 1.63 | 23 | ARCS | 2 | 2 |
| 9121 | Gillnet | 9110 | RC | 11/10/91 | 1045 | 4 | 20 | 2.06 | 23 | ARCS | 1 | 1 |
| 9121 | Gillnet | 9110 | RC | 11/10/91 | 1045 | 4 | 20 | 2.06 | 23 | RBSM | 2 | 2 |
| 9121 | Gillnet | 9110 | RC | 11/10/91 | 1045 | 5 | 20 | 2.75 | 23 | NONE | 0 | 0 |
| 9121 | Gillnet | 9110 | RC | 11/10/91 | 1045 | 6 | 20 | 3.50 | 23 | NONE | 0 | 0 |
| 9122 | Gillnet | 9109 | RC | 11/10/91 | 1030 | 1 | 20 | 1.00 | 22 | NONE | 0 | 0 |
| 9122 | Gillnet | 9109 | RC | 11/10/91 | 1030 | 2 | 20 | 1.25 | 22 | NONE | 0 | 0 |
| 9122 | Gillnet | 9109 | RC | 11/10/91 | 1030 | 3 | 20 | 1.63 | 22 | ARCS | 1 | 1 |
| 9122 | Gillnet | 9109 | RC | 11/10/91 | 1030 | 4 | 20 | 2.06 | 22 | FHSC | 1 | 0 |
| 9122 | Gillnet | 9109 | RC | 11/10/91 | 1030 | 5 | 20 | 2.75 | 22 | NONE | 0 | 0 |
| 9122 | Gillnet | 9109 | RC | 11/10/91 | 1030 | 6 | 20 | 3.50 | 22 | NONE | 0 | 0 |
| 9201 | Gillnet | 9203 | IL | 10/30/92 | 1030 | 1 | 20 | 1.00 | 46.5 | NONE | 0 | 0 |
| 9201 | Gillnet | 9203 | IL | 10/30/92 | 1030 | 2 | 20 | 1.25 | 46.5 | ARCS | 1 | 1 |
| 9201 | Gillnet | 9203 | IL | 10/30/92 | 1030 | 2 | 20 | 1.25 | 46.5 | LSCS | 4 | 4 |
| 9201 | Gillnet | 9203 | IL | 10/30/92 | 1030 | 3 | 20 | 1.63 | 46.5 | BDWF | 1 | 1 |

Appendix Table 16. Catch data from 1991-1993 gillnet sampling in the Colville River Delta.

| Set No. | Method | Station | Habitat | Date Checked | Time Checked | Panel Number | Panel Length (ft) | Mesh (in) | Fishing Duration (hours) | Species | Number Caught | Number Sampled |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9201 | Gillnet | 9203 | IL | 10/30/92 | 1030 | 3 | 20 | 1.63 | 46.5 | LSCS | 6 | 6 |
| 9201 | Gillnet | 9203 | IL | 10/30/92 | 1030 | 4 | 20 | 2.06 | 46.5 | LSCS | 1 | 1 |
| 9201 | Gillnet | 9203 | IL | 10/30/92 | 1030 | 5 | 20 | 2.75 | 46.5 | ARCS | 2 | 2 |
| 9201 | Gillnet | 9203 | IL | 10/30/92 | 1030 | 6 | 20 | 3.50 | 46.5 | ARCS | 1 | 1 |
| 9202 | Gillnet | 9202 | IL | 10/30/92 | 1000 | 1 | 20 | 1.00 | 43.8 | NONE | 0 | 0 |
| 9202 | Gillnet | 9202 | IL | 10/30/92 | 1000 | 2 | 20 | 1.25 | 43.8 | NONE | 0 | 0 |
| 9202 | Gillnet | 9202 | IL | 10/30/92 | 1000 | 3 | 20 | 1.63 | 43.8 | NONE | 0 | 0 |
| 9202 | Gillnet | 9202 | IL | 10/30/92 | 1000 | 4 | 20 | 2.06 | 43.8 | NONE | 0 | 0 |
| 9202 | Gillnet | 9202 | IL | 10/30/92 | 1000 | 5 | 20 | 2.75 | 43.8 | NONE | 0 | 0 |
| 9202 | Gillnet | 9202 | IL | 10/30/92 | 1000 | 6 | 20 | 3.50 | 43.8 | NONE | 0 | 0 |
| 9203 | Gillnet | 9205 | IL | 10/31/92 | 1030 | 1 | 20 | 1.00 | 22.0 | NONE | 0 | 0 |
| 9203 | Gillnet | 9205 | IL | 10/31/92 | 1030 | 2 | 20 | 1.25 | 22.0 | NONE | 0 | 0 |
| 9203 | Gillnet | 9205 | IL | 10/31/92 | 1030 | 3 | 20 | 1.63 | 22.0 | NONE | 0 | 0 |
| 9203 | Gillnet | 9205 | IL | 10/31/92 | 1030 | 4 | 20 | 2.06 | 22.0 | LSCS | 1 | 1 |
| 9203 | Gillnet | 9205 | IL | 10/31/92 | 1030 | 5 | 20 | 2.75 | 22.0 | LSCS | 1 | 1 |
| 9203 | Gillnet | 9205 | IL | 10/31/92 | 1030 | 6 | 20 | 3.50 | 22.0 | NONE | 0 | 0 |
| 9204 | Gillnet | 9206 | IL | 10/31/92 | 1050 | 1 | 20 | 1.00 | 18.5 | NONE | 0 | 0 |
| 9204 | Gillnet | 9206 | IL | 10/31/92 | 1050 | 2 | 20 | 1.25 | 18.5 | NONE | 0 | 0 |
| 9204 | Gillnet | 9206 | IL | 10/31/92 | 1050 | 3 | 20 | 1.63 | 18.5 | NONE | 0 | 0 |
| 9204 | Gillnet | 9206 | IL | 10/31/92 | 1050 | 4 | 20 | 2.06 | 18.5 | LSCS | 11 | 11 |
| 9204 | Gillnet | 9206 | IL | 10/31/92 | 1050 | 5 | 20 | 2.75 | 18.5 | ARCS | 1 | 1 |
| 9204 | Gillnet | 9206 | IL | 10/31/92 | 1050 | 5 | 20 | 2.75 | 18.5 | LSCS | 5 | 5 |
| 9204 | Gillnet | 9206 | IL | 10/31/92 | 1050 | 6 | 20 | 3.50 | 18.5 | NONE | 0 | 0 |
| 9205 | Gillnet | 9207 | TL | 11/1/92 | 1600 | 1 | 20 | 1.00 | 27.5 | NONE | 0 | 0 |
| 9205 | Gillnet | 9207 | TL | 11/1/92 | 1600 | 2 | 20 | 1.25 | 27.5 | HBWF | 1 | 1 |
| 9205 | Gillnet | 9207 | TL | 11/1/92 | 1600 | 3 | 20 | 1.63 | 27.5 | NONE | 0 | 0 |
| 9205 | Gillnet | 9207 | TL | 11/1/92 | 1600 | 4 | 20 | 2.06 | 27.5 | NONE | 0 | 0 |
| 9205 | Gillnet | 9207 | TL | 11/1/92 | 1600 | 5 | 20 | 2.75 | 27.5 | LSCS | 3 | 3 |
| 9205 | Gillnet | 9207 | TL | 11/1/92 | 1600 | 5 | 20 | 2.75 | 27.5 | ARCS | 2 | 2 |
| 9205 | Gillnet | 9207 | TL | 11/1/92 | 1600 | 5 | 20 | 2.75 | 27.5 | BDWF | 2 | 2 |
| 9205 | Gillnet | 9207 | TL | 11/1/92 | 1600 | 6 | 20 | 3.50 | 27.5 | BDWF | 1 | 1 |
| 9205 | Gillnet | 9207 | TL | 11/1/92 | 1600 | 6 | 20 | 3.50 | 27.5 | ARCS | 1 | 1 |
| 9206 | Gillnet | 9208 | IL | 11/2/92 | 1100 | 1 | 20 | 1.00 | 23.0 | NONE | 0 | 0 |
| 9206 | Gillnet | 9208 | IL | 11/2/92 | 1100 | 2 | 20 | 1.25 | 23.0 | ARCS | 1 | 1 |
| 9206 | Gillnet | 9208 | IL | 11/2/92 | 1100 | 3 | 20 | 1.63 | 23.0 | NONE | 0 | 0 |
| 9206 | Gillnet | 9208 | IL | 11/2/92 | 1100 | 4 | 20 | 2.06 | 23.0 | NONE | 0 | 0 |
| 9206 | Gillnet | 9208 | IL | 11/2/92 | 1100 | 5 | 20 | 2.75 | 23.0 | BDWF | 1 | 1 |
| 9206 | Gillnet | 9208 | IL | 11/2/92 | 1100 | 6 | 20 | 3.50 | 23.0 | HBWF | 1 | 1 |
| 9207 | Gillnet | 9209 | IL | 11/2/92 | 1130 | 1 | 20 | 1.00 | 20.5 | NONE | 0 | 0 |
| 9207 | Gillnet | 9209 | IL | 11/2/92 | 1130 | 2 | 20 | 1.25 | 20.5 | NONE | 0 | 0 |
| 9207 | Gillnet | 9209 | IL | 11/2/92 | 1130 | 3 | 20 | 1.63 | 20.5 | LSCS | 3 | 3 |
| 9207 | Gillnet | 9209 | IL | 11/2/92 | 1130 | 4 | 20 | 2.06 | 20.5 | LSCS | 5 | 5 |
| 9207 | Gillnet | 9209 | IL | 11/2/92 | 1130 | 5 | 20 | 2.75 | 20.5 | LSCS | 4 | 4 |
| 9207 | Gillnet | 9209 | IL | 11/2/92 | 1130 | 6 | 20 | 3.50 | 20.5 | BDWF | 2 | 2 |
| 9208 | Gillnet | 9204 | IL | 11/3/92 | 1530 | 1 | 20 | 1.00 | 25.0 | NONE | 0 | 0 |
| 9208 | Gillnet | 9204 | IL | 11/3/92 | 1530 | 2 | 20 | 1.25 | 25.0 | LSCS | 1 | 1 |
| 9208 | Gillnet | 9204 | IL | 11/3/92 | 1530 | 3 | 20 | 1.63 | 25.0 | NONE | 0 | 0 |
| 9208 | Gillnet | 9204 | IL | 11/3/92 | 1530 | 4 | 20 | 2.06 | 25.0 | LSCS | 4 | 4 |
| 9208 | Gillnet | 9204 | IL | 11/3/92 | 1530 | 5 | 20 | 2.75 | 25.0 | LSCS | 8 | 8 |
| 9208 | Gillnet | 9204 | IL | 11/3/92 | 1530 | 6 | 20 | 3.50 | 25.0 | NONE | 0 | 0 |
| 9209 | Gillnet | 9210 | IL | 11/4/92 | 1700 | 1 | 20 | 1.00 | 30.5 | NONE | 0 | 0 |
| 9209 | Gillnet | 9210 | IL | 11/4/92 | 1700 | 2 | 20 | 1.25 | 30.5 | NONE | 0 | 0 |
| 9209 | Gillnet | 9210 | IL | 11/4/92 | 1700 | 3 | 20 | 1.63 | 30.5 | NONE | 0 | 0 |
| 9209 | Gillnet | 9210 | IL | 11/4/92 | 1700 | 4 | 20 | 2.06 | 30.5 | NONE | 0 | 0 |
| 9209 | Gillnet | 9210 | IL | 11/4/92 | 1700 | 5 | 20 | 2.75 | 30.5 | NONE | 0 | 0 |
| 9209 | Gillnet | 9210 | IL | 11/4/92 | 1700 | 6 | 20 | 3.50 | 30.5 | NONE | 0 | 0 |
| 9210 | Gillnet | 9211 | IL | 11/4/92 | 1630 | 1 | 20 | 1.00 | 26.0 | NONE | 0 | 0 |
| 9210 | Gillnet | 9211 | IL | 11/4/92 | 1630 | 2 | 20 | 1.25 | 26.0 | NONE | 0 | 0 |

Appendix Table 16. Catch data from 1991-1993 gillnet sampling in the Colville River Delta.

| Set No. | Method | Station | Habitat | Date Checked | Time Checked | Panel Number | Panel Length (ft) | Mesh (in) | Fishing Duration (hours) | Species | Number Caught | Number Sampled |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9210 | Gillnet | 9211 | IL | 11/4/92 | 1630 | 3 | 20 | 1.63 | 26.0 | NONE | 0 | 0 |
| 9210 | Gillnet | 9211 | IL | 11/4/92 | 1630 | 4 | 20 | 2.06 | 26.0 | NONE | 0 | 0 |
| 9210 | Gillnet | 9211 | IL | 11/4/92 | 1630 | 5 | 20 | 2.75 | 26.0 | ARCS | 4 | 4 |
| 9210 | Gillnet | 9211 | IL | 11/4/92 | 1630 | 5 | 20 | 2.75 | 26.0 | LSCS | 5 | 5 |
| 9210 | Gillnet | 9211 | IL | 11/4/92 | 1630 | 6 | 20 | 3.50 | 26.0 | ARCS | 4 | 4 |
| 9210 | Gillnet | 9211 | IL | 11/4/92 | 1630 | 6 | 20 | 3.50 | 26.0 | LSCS | 1 | 1 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 1 | 20 | 1.00 | 22.0 | NONE | 0 | 0 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 2 | 20 | 1.25 | 22.0 | LSCS | 2 | 2 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 3 | 20 | 1.63 | 22.0 | LSCS | 8 | 8 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 4 | 20 | 2.06 | 22.0 | LSCS | 34 | 34 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 5 | 20 | 2.75 | 22.0 | LSCS | 6 | 6 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 6 | 20 | 3.50 | 22.0 | NONE | 0 | 0 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 1 | 20 | 1.00 | 20.0 | LSCS | 1 | 1 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 2 | 20 | 1.25 | 20.0 | LSCS | 2 | 2 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 3 | 20 | 1.63 | 20.0 | LSCS | 5 | 5 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 20 | 2.06 | 20.0 | LSCS | 55 | 55 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 5 | 20 | 2.75 | 20.0 | LSCS | 24 | 24 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 6 | 20 | 3.50 | 20.0 | NONE | 0 | 0 |
| 9213 | Gillnet | 9201 | TL | 11/7/92 | 1130 | 1 | 20 | 1.00 | 23.0 | NONE | 0 | 0 |
| 9213 | Gillnet | 9201 | TL | 11/7/92 | 1130 | 2 | 20 | 1.25 | 23.0 | NONE | 0 | 0 |
| 9213 | Gillnet | 9201 | TL | 11/7/92 | 1130 | 3 | 20 | 1.63 | 23.0 | ARCS | 1 | 1 |
| 9213 | Gillnet | 9201 | TL | 11/7/92 | 1130 | 4 | 20 | 2.06 | 23.0 | NONE | 0 | 0 |
| 9213 | Gillnet | 9201 | TL | 11/7/92 | 1130 | 5 | 20 | 2.75 | 23.0 | NONE | 0 | 0 |
| 9213 | Gillnet | 9201 | TL | 11/7/92 | 1130 | 6 | 20 | 3.50 | 23.0 | ARCS | 1 | 1 |
| 9301 | Gillnet | 9301 | IL | 10/28/93 | 10:30 | 1 | 20 | 1.00 | 22.3 | NONE | 0 | 0 |
| 9301 | Gillnet | 9301 | IL | 10/28/93 | 10:30 | 2 | 20 | 1.25 | 22.3 | NONE | 0 | 0 |
| 9301 | Gillnet | 9301 | IL | 10/28/93 | 10:30 | 3 | 20 | 1.63 | 22.3 | LSCS | 4 | 4 |
| 9301 | Gillnet | 9301 | IL | 10/28/93 | 10:30 | 4 | 20 | 2.06 | 22.3 | LSCS | 7 | 7 |
| 9301 | Gillnet | 9301 | IL | 10/28/93 | 10:30 | 5 | 20 | 2.75 | 22.3 | ARCS | 4 | 4 |
| 9301 | Gillnet | 9301 | IL | 10/28/93 | 10:30 | 5 | 20 | 2.75 | 22.3 | LSCS | 5 | 5 |
| 9301 | Gillnet | 9301 | IL | 10/28/93 | 10:30 | 6 | 20 | 3.50 | 22.3 | ARCS | 1 | 1 |
| 9301 | MinTrap | 9301 | IL | 10/28/93 | 10:30 | | | | 22.3 | NONE | 0 | 0 |
| 9302 | Gillnet | 9303 | TL | 10/28/93 | 11:45 | 1 | 20 | 1.00 | 21.6 | NONE | 0 | 0 |
| 9302 | Gillnet | 9303 | TL | 10/28/93 | 11:45 | 2 | 20 | 1.25 | 21.6 | LSCS | 1 | 1 |
| 9302 | Gillnet | 9303 | TL | 10/28/93 | 11:45 | 3 | 20 | 1.63 | 21.6 | LSCS | 9 | 9 |
| 9302 | Gillnet | 9303 | TL | 10/28/93 | 11:45 | 4 | 20 | 2.06 | 21.6 | LSCS | 2 | 2 |
| 9302 | Gillnet | 9303 | TL | 10/28/93 | 11:45 | 5 | 20 | 2.75 | 21.6 | LSCS | 4 | 4 |
| 9302 | Gillnet | 9303 | TL | 10/28/93 | 11:45 | 6 | 20 | 3.50 | 21.6 | ARCS | 1 | 1 |
| 9302 | MinTrap | 9303 | TL | 10/28/93 | 11:45 | | | | 21.6 | NONE | 0 | 0 |
| 9303 | Gillnet | 9302 | IL | 10/28/93 | 11:00 | 1 | 20 | 1.00 | 19.2 | BKFH | 1 | 1 |
| 9303 | Gillnet | 9302 | IL | 10/28/93 | 11:00 | 2 | 20 | 1.25 | 19.2 | NONE | 0 | 0 |
| 9303 | Gillnet | 9302 | IL | 10/28/93 | 11:00 | 3 | 20 | 1.63 | 19.2 | NONE | 0 | 0 |
| 9303 | Gillnet | 9302 | IL | 10/28/93 | 11:00 | 4 | 20 | 2.06 | 19.2 | NONE | 0 | 0 |
| 9303 | Gillnet | 9302 | IL | 10/28/93 | 11:00 | 5 | 20 | 2.75 | 19.2 | NONE | 0 | 0 |
| 9303 | Gillnet | 9302 | IL | 10/28/93 | 11:00 | 6 | 20 | 3.50 | 19.2 | NONE | 0 | 0 |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 1 | 20 | 1.00 | 73.5 | BKFH | 8 | 8 |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 1 | 20 | 1.00 | 73.5 | LSCS | 1 | 1 |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 1 | 20 | 1.00 | 73.5 | RDWF | 2 | 2 |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 1 | 20 | 1.00 | 73.5 | BDWF | 4 | 4 |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 2 | 20 | 1.25 | 73.5 | BKFH | 1 | 1 |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 2 | 20 | 1.25 | 73.5 | LSCS | 2 | 2 |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 2 | 20 | 1.25 | 73.5 | BDWF | 1 | 1 |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 3 | 20 | 1.63 | 73.5 | BKFH | 1 | 1 |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 3 | 20 | 1.63 | 73.5 | BDWF | 6 | 6 |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 4 | 20 | 2.06 | 73.5 | LSCS | 2 | 2 |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 4 | 20 | 2.06 | 73.5 | BDWF | 2 | 2 |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 5 | 20 | 2.75 | 73.5 | LSCS | 2 | 2 |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 5 | 20 | 2.75 | 73.5 | BDWF | 1 | 1 |

Appendix Table 16. Catch data from 1991-1993 gillnet sampling in the Colville River Delta.

| Set No. | Method | Station | Habitat | Date Checked | Time Checked | Panel Number | Panel Length (ft) | Mesh (in) | Fishing Duration (hours) | Species | Number Caught | Number Sampled |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 6 | 20 | 3.50 | 73.5 | BDWF | 4 | 4 |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 6 | 20 | 3.50 | 73.5 | HBWF | 1 | 1 |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 6 | 20 | 3.50 | 73.5 | BRBT | 1 | 1 |
| 9304 | MinTrap | 9305 | IL | 10/31/93 | 15:30 | | | | 73.5 | BRBT | 1 | 1 |
| 9305 | Gillnet | 9304 | IL | 10/31/93 | 14:15 | 1 | 20 | 1.00 | 70.5 | NONE | 0 | 0 |
| 9305 | Gillnet | 9304 | IL | 10/31/93 | 14:15 | 2 | 20 | 1.25 | 70.5 | NONE | 0 | 0 |
| 9305 | Gillnet | 9304 | IL | 10/31/93 | 14:15 | 3 | 20 | 1.63 | 70.5 | NONE | 0 | 0 |
| 9305 | Gillnet | 9304 | IL | 10/31/93 | 14:15 | 4 | 20 | 2.06 | 70.5 | LSCS | 2 | 2 |
| 9305 | Gillnet | 9304 | IL | 10/31/93 | 14:15 | 5 | 20 | 2.75 | 70.5 | LSCS | 17 | 17 |
| 9305 | Gillnet | 9304 | IL | 10/31/93 | 14:15 | 5 | 20 | 2.75 | 70.5 | BDWF | 1 | 1 |
| 9305 | Gillnet | 9304 | IL | 10/31/93 | 14:15 | 5 | 20 | 2.75 | 70.5 | RDWF | 2 | 2 |
| 9305 | Gillnet | 9304 | IL | 10/31/93 | 14:15 | 5 | 20 | 2.75 | 70.5 | BRBT | 1 | 1 |
| 9305 | Gillnet | 9304 | IL | 10/31/93 | 14:15 | 6 | 20 | 3.50 | 70.5 | BRBT | 1 | 1 |
| 9305 | Gillnet | 9304 | IL | 10/31/93 | 14:15 | 6 | 20 | 3.50 | 70.5 | BDWF | 1 | 1 |
| 9305 | Gillnet | 9304 | IL | 10/31/93 | 14:15 | 6 | 20 | 3.50 | 70.5 | LSCS | 1 | 1 |
| 9305 | MinTrap | 9304 | IL | 10/31/93 | 14:15 | | | | 70.5 | NONE | 0 | 0 |
| 9306 | Gillnet | 9306 | IL | 11/2/93 | 10:15 | 1 | 20 | 1.00 | 21.8 | NONE | 0 | 0 |
| 9306 | Gillnet | 9306 | IL | 11/2/93 | 10:15 | 2 | 20 | 1.25 | 21.8 | NONE | 0 | 0 |
| 9306 | Gillnet | 9306 | IL | 11/2/93 | 10:15 | 3 | 20 | 1.63 | 21.8 | LSCS | 6 | 6 |
| 9306 | Gillnet | 9306 | IL | 11/2/93 | 10:15 | 4 | 20 | 2.06 | 21.8 | LSCS | 4 | 4 |
| 9306 | Gillnet | 9306 | IL | 11/2/93 | 10:15 | 4 | 20 | 2.06 | 21.8 | BRBT | 1 | 1 |
| 9306 | Gillnet | 9306 | IL | 11/2/93 | 10:15 | 5 | 20 | 2.75 | 21.8 | LSCS | 1 | 1 |
| 9306 | Gillnet | 9306 | IL | 11/2/93 | 10:15 | 5 | 20 | 2.75 | 21.8 | BDWF | 5 | 5 |
| 9306 | Gillnet | 9306 | IL | 11/2/93 | 10:15 | 6 | 20 | 3.50 | 21.8 | BDWF | 2 | 2 |
| 9306 | MinTrap | 9306 | IL | 11/2/93 | 10:15 | | | | 21.8 | NONE | 0 | 0 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 1 | 20 | 1.00 | 20.5 | LSCS | 1 | 1 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 1 | 20 | 1.00 | 20.5 | BKFH | 1 | 1 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 2 | 20 | 1.25 | 20.5 | NONE | 0 | 0 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 3 | 20 | 1.63 | 20.5 | LSCS | 7 | 7 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 4 | 20 | 2.06 | 20.5 | LSCS | 7 | 7 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 5 | 20 | 2.75 | 20.5 | LSCS | 28 | 28 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 6 | 20 | 3.50 | 20.5 | LSCS | 5 | 5 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 6 | 20 | 3.50 | 20.5 | BDWF | 1 | 1 |
| 9307 | MinTrap | 9307 | IL | 11/2/93 | 11:00 | | | | 20.5 | BKFH | 5 | 5 |
| 9308 | Gillnet | 9309 | IL | 11/3/93 | 11:15 | 1 | 20 | 1.00 | 22.5 | BKFH | 1 | 1 |
| 9308 | Gillnet | 9309 | IL | 11/3/93 | 11:15 | 2 | 20 | 1.25 | 22.5 | NONE | 0 | 0 |
| 9308 | Gillnet | 9309 | IL | 11/3/93 | 11:15 | 3 | 20 | 1.63 | 22.5 | NONE | 0 | 0 |
| 9308 | Gillnet | 9309 | IL | 11/3/93 | 11:15 | 4 | 20 | 2.06 | 22.5 | NONE | 0 | 0 |
| 9308 | Gillnet | 9309 | IL | 11/3/93 | 11:15 | 5 | 20 | 2.75 | 22.5 | LSCS | 1 | 1 |
| 9308 | Gillnet | 9309 | IL | 11/3/93 | 11:15 | 6 | 20 | 3.50 | 22.5 | NONE | 0 | 0 |
| 9308 | MinTrap | 9309 | IL | 11/3/93 | 11:15 | | | | 22.5 | BKFH | 3 | 3 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 10:30 | 1 | 20 | 1.00 | 20.3 | LSCS | 1 | 1 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 10:30 | 2 | 20 | 1.25 | 20.3 | NONE | 0 | 0 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 10:30 | 3 | 20 | 1.63 | 20.3 | LSCS | 16 | 16 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 10:30 | 4 | 20 | 2.06 | 20.3 | LSCS | 25 | 25 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 10:30 | 5 | 20 | 2.75 | 20.3 | LSCS | 21 | 21 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 10:30 | 6 | 20 | 3.50 | 20.3 | LSCS | 1 | 1 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 10:30 | 6 | 20 | 3.50 | 20.3 | BDWF | 2 | 2 |
| 9309 | MinTrap | 9308 | IL | 11/3/93 | 10:30 | | | | 20.3 | NONE | 0 | 0 |
| 9310 | Gillnet | 9310 | IL | 11/4/93 | 10:40 | 1 | 20 | 1.00 | 21.7 | BKFH | 11 | 11 |
| 9310 | Gillnet | 9310 | IL | 11/4/93 | 10:40 | 1 | 20 | 1.00 | 21.7 | ARCS | 1 | 1 |
| 9310 | Gillnet | 9310 | IL | 11/4/93 | 10:40 | 2 | 20 | 1.25 | 21.7 | BKFH | 1 | 1 |
| 9310 | Gillnet | 9310 | IL | 11/4/93 | 10:40 | 3 | 20 | 1.63 | 21.7 | NONE | 0 | 0 |
| 9310 | Gillnet | 9310 | IL | 11/4/93 | 10:40 | 4 | 20 | 2.06 | 21.7 | NONE | 0 | 0 |
| 9310 | Gillnet | 9310 | IL | 11/4/93 | 10:40 | 5 | 20 | 2.75 | 21.7 | NONE | 0 | 0 |
| 9310 | Gillnet | 9310 | IL | 11/4/93 | 10:40 | 6 | 20 | 3.50 | 21.7 | NONE | 0 | 0 |
| 9310 | MinTrap | 9310 | IL | 11/4/93 | 10:40 | | | | 21.7 | BKFH | 1 | 1 |
| 9311 | Gillnet | 9311 | TL | 11/4/93 | 10:10 | 1 | 20 | 1.00 | 19.3 | BKFH | 1 | 1 |

Appendix Table 16. Catch data from 1991-1993 gillnet sampling in the Colville River Delta.

| Set No. | Method | Station | Habitat | Date Checked | Time Checked | Panel Number | Panel Length (ft) | Mesh (in) | Fishing Duration (hours) | Species | Number Caught | Number Sampled |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9311 | Gillnet | 9311 | TL | 11/4/93 | 10:10 | 2 | 20 | 1.25 | 19.3 | ARCS | 1 | 1 |
| 9311 | Gillnet | 9311 | TL | 11/4/93 | 10:10 | 3 | 20 | 1.63 | 19.3 | NONE | 0 | 0 |
| 9311 | Gillnet | 9311 | TL | 11/4/93 | 10:10 | 4 | 20 | 2.06 | 19.3 | NONE | 0 | 0 |
| 9311 | Gillnet | 9311 | TL | 11/4/93 | 10:10 | 5 | 20 | 2.75 | 19.3 | NONE | 0 | 0 |
| 9311 | Gillnet | 9311 | TL | 11/4/93 | 10:10 | 6 | 20 | 3.50 | 19.3 | NONE | 0 | 0 |
| 9311 | MinTrap | 9311 | TL | 11/4/93 | 10:10 | | | | 19.3 | NONE | 0 | 0 |
| 9312 | Gillnet | 9312 | IL | 11/5/93 | 10:10 | 1 | 20 | 1.00 | 22.0 | NONE | 0 | 0 |
| 9312 | Gillnet | 9312 | IL | 11/5/93 | 10:10 | 2 | 20 | 1.25 | 22.0 | NONE | 0 | 0 |
| 9312 | Gillnet | 9312 | IL | 11/5/93 | 10:10 | 3 | 20 | 1.63 | 22.0 | LSCS | 2 | 2 |
| 9312 | Gillnet | 9312 | IL | 11/5/93 | 10:10 | 4 | 20 | 2.06 | 22.0 | LSCS | 2 | 2 |
| 9312 | Gillnet | 9312 | IL | 11/5/93 | 10:10 | 5 | 20 | 2.75 | 22.0 | LSCS | 17 | 17 |
| 9312 | Gillnet | 9312 | IL | 11/5/93 | 10:10 | 6 | 20 | 3.50 | 22.0 | NONE | 0 | 0 |
| 9312 | MinTrap | 9312 | IL | 11/5/93 | 10:10 | | | | 22.0 | NONE | 0 | 0 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 1 | 20 | 1.00 | 20.7 | LSCS | 2 | 2 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 2 | 20 | 1.25 | 20.7 | NONE | 0 | 0 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 3 | 20 | 1.63 | 20.7 | LSCS | 3 | 3 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 4 | 20 | 2.06 | 20.7 | LSCS | 36 | 36 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 5 | 20 | 2.75 | 20.7 | LSCS | 35 | 35 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 6 | 20 | 3.50 | 20.7 | LSCS | 3 | 3 |
| 9313 | MinTrap | 9313 | IL | 11/5/93 | 10:40 | | | | 20.7 | NONE | 0 | 0 |

Species:
ARCS = Arctic cisco
LSCS = least cisco
BDWF = broad whitefish
HBWF = humpback whitefish
RDWF = round whitefish
BKFH = Alaska blackfish
BRBT = burbot
RBSM = rainbow smelt
FHSC = fourhorn sculpin

Method:
Gillnet = variable mesh gillnet
MinTrap = minnow trap

Habitat:
RC = river channel
TL = lake connected to a river channel
IL = lake not connected to a river channel

Appendix Table 17. Biological data obtained from fish collected during 1991-1993 gillnet sampling in the Colville River delta.

| Set Number | Method | Station | Habitat | Date Checked | Time Checked | Panel Number | Fish Number | Species | Fork Length (mm) | Weight (gm) | Sex | Maturity | Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9101 | Gillnet | 9101 | RC | 11/2/91 | 1015 | 1 | 1 | ARCS | 129. | | | | |
| 9101 | Gillnet | 9101 | RC | 11/2/91 | 1015 | 1 | 2 | ARCS | 134 | | | | |
| 9101 | Gillnet | 9101 | RC | 11/2/91 | 1015 | 1 | 3 | ARCS | 130 | | | | |
| 9101 | Gillnet | 9101 | RC | 11/2/91 | 1015 | 1 | 4 | ARCS | 110 | | | | |
| 9101 | Gillnet | 9101 | RC | 11/2/91 | 1015 | 4 | 5 | ARCS | 274 | | | | |
| 9101 | Gillnet | 9101 | RC | 11/2/91 | 1015 | 4 | 6 | LSCS | 262 | | | | |
| 9101 | Gillnet | 9101 | RC | 11/2/91 | 1015 | 5 | 7 | RBSM | 279 | | | | |
| 9101 | Gillnet | 9101 | RC | 11/2/91 | 1015 | 5 | 8 | ARCS | 288 | | | | |
| 9101 | Gillnet | 9101 | RC | 11/2/91 | 1015 | 5 | 9 | LSCS | 250 | | | | |
| 9101 | Gillnet | 9101 | RC | 11/2/91 | 1015 | 5 | 10 | LSCS | 261 | | | | |
| 9102 | Gillnet | 9101 | RC | 11/3/91 | 1030 | 3 | 1 | ARCS | 190 | | | | 3 |
| 9102 | Gillnet | 9101 | RC | 11/3/91 | 1030 | 2 | 2 | ARCS | 125 | | | | 1 |
| 9102 | Gillnet | 9101 | RC | 11/3/91 | 1030 | 2 | 3 | ARCS | 124 | | | | 1 |
| 9102 | Gillnet | 9101 | RC | 11/3/91 | 1030 | 1 | 4 | ARCS | 119 | | | | 1 |
| 9102 | Gillnet | 9101 | RC | 11/3/91 | 1030 | 1 | 5 | ARCS | 123 | | | | 1 |
| 9102 | Gillnet | 9101 | RC | 11/3/91 | 1030 | 1 | 6 | ARCS | 124 | | | | 1 |
| 9102 | Gillnet | 9101 | RC | 11/3/91 | 1030 | 1 | 7 | ARCS | 116 | | | | 1 |
| 9102 | Gillnet | 9101 | RC | 11/3/91 | 1030 | 1 | 8 | ARCS | 111 | | | | 1 |
| 9102 | Gillnet | 9101 | RC | 11/3/91 | 1030 | 1 | 9 | ARCS | 121 | | | | 1 |
| 9102 | Gillnet | 9101 | RC | 11/3/91 | 1030 | 1 | 10 | ARCS | 116 | | | | 1 |
| 9102 | Gillnet | 9101 | RC | 11/3/91 | 1030 | 1 | 11 | ARCS | 112 | | | | 1 |
| 9102 | Gillnet | 9101 | RC | 11/3/91 | 1030 | 1 | 12 | ARCS | 118 | | | | 1 |
| 9102 | Gillnet | 9101 | RC | 11/3/91 | 1030 | 1 | 13 | ARCS | 120 | | | | 1 |
| 9102 | Gillnet | 9101 | RC | 11/3/91 | 1030 | 1 | 14 | ARCS | 104 | | | | 1 |
| 9102 | Gillnet | 9101 | RC | 11/3/91 | 1030 | 1 | 15 | ARCS | 121 | | | | 1 |
| 9102 | Gillnet | 9101 | RC | 11/3/91 | 1030 | 1 | 16 | ARCS | 116 | | | | 1 |
| 9102 | Gillnet | 9101 | RC | 11/3/91 | 1030 | 1 | 17 | ARCS | 122 | | | | 1 |
| 9102 | Gillnet | 9101 | RC | 11/3/91 | 1030 | 1 | 18 | ARCS | 131 | | | | 1 |
| 9102 | Gillnet | 9101 | RC | 11/3/91 | 1030 | 1 | 19 | ARCS | 112 | | | | 1 |
| 9102 | Gillnet | 9101 | RC | 11/3/91 | 1030 | 1 | 20 | ARCS | 111 | | | | 1 |
| 9102 | Gillnet | 9101 | RC | 11/3/91 | 1030 | 5 | 21 | LSCS | 285 | | | | 11 |
| 9102 | Gillnet | 9101 | RC | 11/3/91 | 1030 | 5 | 22 | LSCS | 240 | | | | 6 |
| 9102 | Gillnet | 9101 | RC | 11/3/91 | 1030 | 5 | 23 | LSCS | 241 | | | | 6 |
| 9102 | Gillnet | 9101 | RC | 11/3/91 | 1030 | 5 | 24 | LSCS | 244 | | | | 7 |
| 9102 | Gillnet | 9101 | RC | 11/3/91 | 1030 | 5 | 25 | LSCS | 245 | | | | 6 |
| 9102 | Gillnet | 9101 | RC | 11/3/91 | 1030 | 5 | 26 | ARCS | 272 | | | | 5 |
| 9102 | Gillnet | 9101 | RC | 11/3/91 | 1030 | 5 | 27 | ARCS | 251 | | | | 5 |
| 9102 | Gillnet | 9101 | RC | 11/3/91 | 1030 | 5 | 28 | ARCS | 287 | | | | 5 |
| 9102 | Gillnet | 9101 | RC | 11/3/91 | 1030 | 5 | 29 | ARCS | 251 | | | | 4 |
| 9102 | Gillnet | 9101 | RC | 11/3/91 | 1030 | 5 | 30 | ARCS | 246 | | | | 4 |
| 9102 | Gillnet | 9101 | RC | 11/3/91 | 1030 | 5 | 31 | RBSM | 282 | | | | |
| 9103 | Gillnet | 9102 | TL | 11/3/91 | 1030 | 4 | 1 | RBSM | 264 | | | | |
| 9103 | Gillnet | 9102 | TL | 11/3/91 | 1030 | 4 | 2 | RBSM | 272 | | | | |
| 9103 | Gillnet | 9102 | TL | 11/3/91 | 1030 | 4 | 3 | RBSM | 265 | | | | |
| 9104 | Gillnet | 9103 | RC | 11/3/91 | 1115 | 1 | 1 | ARCS | 132 | | | | 1 |
| 9104 | Gillnet | 9103 | RC | 11/3/91 | 1115 | 1 | 2 | ARCS | 121 | | | | 1 |
| 9104 | Gillnet | 9103 | RC | 11/3/91 | 1115 | 1 | 3 | ARCS | 125 | | | | 1 |
| 9104 | Gillnet | 9103 | RC | 11/3/91 | 1115 | 1 | 4 | ARCS | 123 | | | | 1 |

Appendix Table 17. Biological data obtained from fish collected during 1991-1993 gillnet sampling in the Colville River delta.

| Set Number | Method | Station | Habitat | Date Checked | Time Checked | Panel Number | Fish Number | Species | Fork Length (mm) | Weight (gm) | Sex | Maturity | Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9104 | Gillnet | 9103 | RC | 11/3/91 | 1115 | 1 | 5 | ARCS | 132 | | | | 1 |
| 9104 | Gillnet | 9103 | RC | 11/3/91 | 1115 | 1 | 6 | ARCS | 126 | | | | 1 |
| 9104 | Gillnet | 9103 | RC | 11/3/91 | 1115 | 1 | 7 | ARCS | 127 | | | | 1 |
| 9104 | Gillnet | 9103 | RC | 11/3/91 | 1115 | 1 | 8 | ARCS | 114 | | | | 1 |
| 9104 | Gillnet | 9103 | RC | 11/3/91 | 1115 | 1 | 9 | ARCS | 132 | | | | 1 |
| 9104 | Gillnet | 9103 | RC | 11/3/91 | 1115 | 1 | 10 | ARCS | 123 | | | | 1 |
| 9104 | Gillnet | 9103 | RC | 11/3/91 | 1115 | 1 | 11 | ARCS | 121 | | | | 1 |
| 9104 | Gillnet | 9103 | RC | 11/3/91 | 1115 | 1 | 12 | ARCS | 122 | | | | 1 |
| 9104 | Gillnet | 9103 | RC | 11/3/91 | 1115 | 1 | 13 | ARCS | 111 | | | | 1 |
| 9104 | Gillnet | 9103 | RC | 11/3/91 | 1115 | 2 | 14 | ARCS | 134 | | | | 1 |
| 9104 | Gillnet | 9103 | RC | 11/3/91 | 1115 | 2 | 15 | LSCS | 142 | | | | 2 |
| 9104 | Gillnet | 9103 | RC | 11/3/91 | 1115 | 2 | 16 | LSCS | 141 | | | | 2 |
| 9104 | Gillnet | 9103 | RC | 11/3/91 | 1115 | 3 | 17 | LSCS | 164 | | | | 3 |
| 9104 | Gillnet | 9103 | RC | 11/3/91 | 1115 | 3 | 18 | ARCS | 182 | | | | 3 |
| 9104 | Gillnet | 9103 | RC | 11/3/91 | 1115 | 3 | 19 | ARCS | 171 | | | | 3 |
| 9104 | Gillnet | 9103 | RC | 11/3/91 | 1115 | 4 | 20 | ARCS | 222 | | | | 4 |
| 9104 | Gillnet | 9103 | RC | 11/3/91 | 1115 | 4 | 21 | ARCS | 250 | | | | 4 |
| 9104 | Gillnet | 9103 | RC | 11/3/91 | 1115 | 4 | 22 | LSCS | 283 | | | | 10 |
| 9104 | Gillnet | 9103 | RC | 11/3/91 | 1115 | 5 | 23 | ARCS | 292 | | | | 5 |
| 9104 | Gillnet | 9103 | RC | 11/3/91 | 1115 | 5 | 24 | ARCS | 286 | | | | 5 |
| 9104 | Gillnet | 9103 | RC | 11/3/91 | 1115 | 5 | 25 | ARCS | 307 | | | | 5 |
| 9104 | Gillnet | 9103 | RC | 11/3/91 | 1115 | 5 | 26 | ARCS | 272 | | | | 5 |
| 9104 | Gillnet | 9103 | RC | 11/3/91 | 1115 | 5 | 27 | LSCS | 278 | | | | 9 |
| 9104 | Gillnet | 9103 | RC | 11/3/91 | 1115 | 5 | 28 | LSCS | 310 | | | | 10 |
| 9104 | Gillnet | 9103 | RC | 11/3/91 | 1115 | 5 | 29 | LSCS | 289 | | | | 9 |
| 9104 | Gillnet | 9103 | RC | 11/3/91 | 1115 | 5 | 30 | LSCS | 292 | | | | 8 |
| 9104 | Gillnet | 9103 | RC | 11/3/91 | 1115 | 5 | 31 | LSCS | 304 | | | | 12 |
| 9104 | Gillnet | 9103 | RC | 11/3/91 | 1115 | 5 | 32 | LSCS | 285 | | | | 12 |
| 9104 | Gillnet | 9103 | RC | 11/3/91 | 1115 | 5 | 33 | LSCS | 310 | | | | 8 |
| 9104 | Gillnet | 9103 | RC | 11/3/91 | 1115 | 5 | 34 | LSCS | 297 | | | | 10 |
| 9104 | Gillnet | 9103 | RC | 11/3/91 | 1115 | 5 | 35 | LSCS | 315 | | | | 12 |
| 9105 | Gillnet | 9102 | TL | 11/5/91 | 1030 | 1 | 1 | RBSM | 137 | | | | |
| 9105 | Gillnet | 9102 | TL | 11/5/91 | 1030 | 1 | 2 | RBSM | 204 | | – | | |
| 9105 | Gillnet | 9102 | TL | 11/5/91 | 1030 | 3 | 3 | RBSM | 231 | | | | |
| 9105 | Gillnet | 9102 | TL | 11/5/91 | 1030 | 2 | 4 | RBSM | 223 | | | | |
| 9105 | Gillnet | 9102 | TL | 11/5/91 | 1030 | 4 | 5 | RBSM | 267 | | | | |
| 9105 | Gillnet | 9102 | TL | 11/5/91 | 1030 | 4 | 6 | RBSM | 274 | | | | |
| 9105 | Gillnet | 9102 | TL | 11/5/91 | 1030 | 4 | 7 | RBSM | 278 | | | | |
| 9105 | Gillnet | 9102 | TL | 11/5/91 | 1030 | 4 | 8 | RBSM | 253 | | | | |
| 9105 | Gillnet | 9102 | TL | 11/5/91 | 1030 | 4 | 9 | RBSM | 274 | | | | |
| 9105 | Gillnet | 9102 | TL | 11/5/91 | 1030 | 4 | 10 | RBSM | 274 | | | | |
| 9105 | Gillnet | 9102 | TL | 11/5/91 | 1030 | 4 | 11 | ARCS | 252 | | | | 4 |
| 9105 | Gillnet | 9102 | TL | 11/5/91 | 1030 | 4 | 12 | ARCS | 241 | | | | 4 |
| 9106 | Gillnet | 9104 | RC | 11/5/91 | 1400 | 1 | 1 | ARCS | 135 | | | | 1 |
| 9106 | Gillnet | 9104 | RC | 11/5/91 | 1400 | 1 | 2 | ARCS | 116 | | | | 1 |
| 9106 | Gillnet | 9104 | RC | 11/5/91 | 1400 | 3 | 3 | ARCS | 178 | | | | 3 |
| 9106 | Gillnet | 9104 | RC | 11/5/91 | 1400 | 3 | 4 | ARCS | 182 | | | | 3 |
| 9106 | Gillnet | 9104 | RC | 11/5/91 | 1400 | 3 | 5 | ARCS | 180 | | | | 3 |

Appendix Table 17. Biological data obtained from fish collected during 1991-1993 gillnet sampling in the Colville River delta.

| Set Number | Method | Station | Habitat | Date Checked | Time Checked | Panel Number | Fish Number | Species | Fork Length (mm) | Weight (gm) | Sex | Maturity | Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9106 | Gillnet | 9104 | RC | 11/5/91 | 1400 | 3 | 6 | LSCS | 170 | | | | 3 |
| 9106 | Gillnet | 9104 | RC | 11/5/91 | 1400 | 3 | 7 | LSCS | 220 | | | | 5 |
| 9106 | Gillnet | 9104 | RC | 11/5/91 | 1400 | 4 | 8 | LSCS | 271 | | | | 8 |
| 9106 | Gillnet | 9104 | RC | 11/5/91 | 1400 | 4 | 9 | ARCS | 268 | | | | 5 |
| 9106 | Gillnet | 9104 | RC | 11/5/91 | 1400 | 4 | 10 | ARCS | 275 | | | | 5 |
| 9106 | Gillnet | 9104 | RC | 11/5/91 | 1400 | 4 | 11 | ARCS | 211 | | | | 3 |
| 9107 | Gillnet | 9105 | TL | 11/5/91 | 1500 | 4 | 1 | LSCS | 305 | | | | 13 |
| 9107 | Gillnet | 9105 | TL | 11/5/91 | 1500 | 4 | 2 | LSCS | 266 | | | | 9 |
| 9107 | Gillnet | 9105 | TL | 11/5/91 | 1500 | 4 | 3 | LSCS | 302 | | | | 11 |
| 9107 | Gillnet | 9105 | TL | 11/5/91 | 1500 | 5 | 4 | ARCS | 304 | | | | 6 |
| 9107 | Gillnet | 9105 | TL | 11/5/91 | 1500 | 5 | 5 | ARCS | 282 | | | | 5 |
| 9108 | Gillnet | 9106 | TL | 11/6/91 | 1000 | 1 | 1 | LSCS | 126 | | | | 2 |
| 9108 | Gillnet | 9106 | TL | 11/6/91 | 1000 | 1 | 2 | LSCS | 117 | | | | 2 |
| 9108 | Gillnet | 9106 | TL | 11/6/91 | 1000 | 1 | 3 | LSCS | 106 | | | | 2 |
| 9108 | Gillnet | 9106 | TL | 11/6/91 | 1000 | 5 | 4 | BDWF | 313 | | | | 13 |
| 9108 | Gillnet | 9106 | TL | 11/6/91 | 1000 | 5 | 5 | BDWF | 335 | | | | 11 |
| 9108 | Gillnet | 9106 | TL | 11/6/91 | 1000 | 5 | 6 | BDWF | 312 | | | | 10 |
| 9108 | Gillnet | 9106 | TL | 11/6/91 | 1000 | 5 | 6 | LSCS | 327 | | | | 20 |
| 9108 | Gillnet | 9106 | TL | 11/6/91 | 1000 | 6 | 8 | BDWF | 453 | | | | 17 |
| 9108 | Gillnet | 9106 | TL | 11/6/91 | 1000 | 4 | 9 | LSCS | 300 | | | | 12 |
| 9109 | Gillnet | 9107 | TL | 11/6/91 | 1040 | 3 | 1 | LSCS | 220 | | | | 5 |
| 9109 | Gillnet | 9107 | TL | 11/6/91 | 1040 | 3 | 2 | HBWF | 164 | | | | 2 |
| 9109 | Gillnet | 9107 | TL | 11/6/91 | 1040 | 1 | 3 | LSCS | 151 | | | | 2 |
| 9109 | Gillnet | 9107 | TL | 11/6/91 | 1040 | 1 | 4 | ARCS | 114 | | | | 1 |
| 9109 | Gillnet | 9107 | TL | 11/6/91 | 1040 | 1 | 5 | ARCS | 124 | | | | 1 |
| 9109 | Gillnet | 9107 | TL | 11/6/91 | 1040 | 5 | 6 | BDWF | 350 | | | | 9 |
| 9109 | Gillnet | 9107 | TL | 11/6/91 | 1040 | 5 | 7 | BDWF | 343 | | | | 9 |
| 9109 | Gillnet | 9107 | TL | 11/6/91 | 1040 | 5 | 8 | LSCS | 304 | | | | 18 |
| 9109 | Gillnet | 9107 | TL | 11/6/91 | 1040 | 5 | 9 | LSCS | 276 | | | | 6 |
| 9109 | Gillnet | 9107 | TL | 11/6/91 | 1040 | 5 | 10 | LSCS | 335 | | | | 10 |
| 9109 | Gillnet | 9107 | TL | 11/6/91 | 1040 | 5 | 11 | LSCS | 292 | | | | 9 |
| 9109 | Gillnet | 9107 | TL | 11/6/91 | 1040 | 5 | 12 | LSCS | 320 | | | | 15 |
| 9109 | Gillnet | 9107 | TL | 11/6/91 | 1040 | 5 | 13 | LSCS | 310 | | | | 11 |
| 9109 | Gillnet | 9107 | TL | 11/6/91 | 1040 | 5 | 14 | LSCS | 319 | | | | 8 |
| 9109 | Gillnet | 9107 | TL | 11/6/91 | 1040 | 6 | 15 | BDWF | 370 | | | | 11 |
| 9109 | Gillnet | 9107 | TL | 11/6/91 | 1040 | 6 | 16 | BDWF | 368 | | | | 13 |
| 9109 | Gillnet | 9107 | TL | 11/6/91 | 1040 | 4 | 17 | LSCS | 286 | | | | 11 |
| 9109 | Gillnet | 9107 | TL | 11/6/91 | 1040 | 4 | 18 | LSCS | 272 | | | | 7 |
| 9109 | Gillnet | 9107 | TL | 11/6/91 | 1040 | 4 | 19 | LSCS | 238 | | | | 9 |
| 9109 | Gillnet | 9107 | TL | 11/6/91 | 1040 | 4 | 20 | LSCS | 211 | | | | 14 |
| 9109 | Gillnet | 9107 | TL | 11/6/91 | 1040 | 4 | 21 | ARCS | 245 | | | | 5 |
| 9110 | Gillnet | 9104 | RC | 11/6/91 | 1115 | 6 | 1 | ARCS | 350 | | | | 8 |
| 9110 | Gillnet | 9104 | RC | 11/6/91 | 1115 | 6 | 2 | RBSM | 251 | | | | |
| 9110 | Gillnet | 9104 | RC | 11/6/91 | 1115 | 4 | 3 | RBSM | 260 | | | | |
| 9110 | Gillnet | 9104 | RC | 11/6/91 | 1115 | 4 | 4 | ARCS | 245 | | | | 4 |
| 9110 | Gillnet | 9104 | RC | 11/6/91 | 1115 | 5 | 5 | ARCS | 315 | | | | 5 |
| 9110 | Gillnet | 9104 | RC | 11/6/91 | 1115 | 5 | 6 | ARCS | 276 | | | | 5 |
| 9111 | Gillnet | 9105 | TL | 11/6/91 | 1145 | 3 | 1 | RBSM | 265 | | | | |

Appendix Table 17. Biological data obtained from fish collected during 1991-1993 gillnet sampling in the Colville River delta.

| Set Number | Method | Station | Habitat | Date Checked | Time Checked | Panel Number | Fish Number | Species | Fork Length (mm) | Weight (gm) | Sex | Maturity | Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9111 | Gillnet | 9105 | TL | 11/6/91 | 1145 | 4 | 2 | RBSM | 264 | | | | |
| 9111 | Gillnet | 9105 | TL | 11/6/91 | 1145 | 4 | 3 | ARCS | 244 | | | | 4 |
| 9111 | Gillnet | 9105 | TL | 11/6/91 | 1145 | 4 | 4 | ARCS | 297 | | | | 5 |
| 9111 | Gillnet | 9105 | TL | 11/6/91 | 1145 | 5 | 5 | LSCS | 285 | | | | 9 |
| 9111 | Gillnet | 9105 | TL | 11/6/91 | 1145 | 5 | 6 | LSCS | 294 | | | | 11 |
| 9111 | Gillnet | 9105 | TL | 11/6/91 | 1145 | 5 | 7 | LSCS | 274 | | | | 8 |
| 9112 | Gillnet | 9106 | TL | 11/7/91 | 1000 | 5 | 1 | LSCS | 328 | | | | 10 |
| 9112 | Gillnet | 9106 | TL | 11/7/91 | 1000 | 5 | 2 | LSCS | 328 | | | | 15 |
| 9112 | Gillnet | 9106 | TL | 11/7/91 | 1000 | 5 | 3 | BDWF | 310 | | | | 7 |
| 9113 | Gillnet | 9104 | RC | 11/7/91 | 1020 | 1 | 1 | ARCS | 123 | | | | 1 |
| 9113 | Gillnet | 9104 | RC | 11/7/91 | 1020 | 1 | 2 | LSCS | 108 | | | | 1 |
| 9113 | Gillnet | 9104 | RC | 11/7/91 | 1020 | 4 | 3 | RBSM | 252 | | | | |
| 9113 | Gillnet | 9104 | RC | 11/7/91 | 1020 | 4 | 4 | LSCS | 253 | | | | 5 |
| 9116 | Gillnet | 9109 | RC | 11/7/91 | 1115 | 5 | 1 | ARCS | 286 | | | | 5 |
| 9116 | Gillnet | 9109 | RC | 11/7/91 | 1115 | 4 | 2 | RBSM | 268 | | | | |
| 9116 | Gillnet | 9109 | RC | 11/7/91 | 1115 | 4 | 3 | RBSM | 260 | | | | |
| 9116 | Gillnet | 9109 | RC | 11/7/91 | 1115 | 4 | 4 | RBSM | 291 | | | | |
| 9116 | Gillnet | 9109 | RC | 11/7/91 | 1115 | 4 | 5 | ARCS | 264 | | | | 4 |
| 9116 | Gillnet | 9109 | RC | 11/7/91 | 1115 | 4 | 6 | ARCS | 232 | | | | 5 |
| 9116 | Gillnet | 9109 | RC | 11/7/91 | 1115 | 3 | 7 | LSCS | 211 | | | | 5 |
| 9116 | Gillnet | 9109 | RC | 11/7/91 | 1115 | 3 | 8 | LSCS | 216 | | | | 5 |
| 9116 | Gillnet | 9109 | RC | 11/7/91 | 1115 | 3 | 9 | LSCS | 174 | | | | 3 |
| 9116 | Gillnet | 9109 | RC | 11/7/91 | 1115 | 3 | 10 | LSCS | 179 | | | | 3 |
| 9116 | Gillnet | 9109 | RC | 11/7/91 | 1115 | 3 | 11 | ARCS | 191 | | | | 3 |
| 9116 | Gillnet | 9109 | RC | 11/7/91 | 1115 | 3 | 12 | ARCS | 163 | | | | 2 |
| 9116 | Gillnet | 9109 | RC | 11/7/91 | 1115 | 2 | 13 | LSCS | 171 | | | | 3 |
| 9116 | Gillnet | 9109 | RC | 11/7/91 | 1115 | 2 | 14 | LSCS | 146 | | | | 2 |
| 9116 | Gillnet | 9109 | RC | 11/7/91 | 1115 | 1 | 15 | ARCS | 117 | | | | 1 |
| 9116 | Gillnet | 9109 | RC | 11/7/91 | 1115 | 1 | 16 | ARCS | 121 | | | | 1 |
| 9118 | Gillnet | 9109 | RC | 11/9/91 | 1215 | 3 | 1 | RBSM | 231 | | | | |
| 9118 | Gillnet | 9109 | RC | 11/9/91 | 1215 | 3 | 2 | LSCS | 272 | | | | 12 |
| 9118 | Gillnet | 9109 | RC | 11/9/91 | 1215 | 3 | 3 | ARCS | 270 | | | | 4 |
| 9118 | Gillnet | 9109 | RC | 11/9/91 | 1215 | 3 | 4 | ARCS | 182 | | – | | 3 |
| 9118 | Gillnet | 9109 | RC | 11/9/91 | 1215 | 3 | 5 | ARCS | 172 | | | | 2 |
| 9118 | Gillnet | 9109 | RC | 11/9/91 | 1215 | 3 | 6 | ARCS | 180 | | | | 3 |
| 9118 | Gillnet | 9109 | RC | 11/9/91 | 1215 | 4 | 7 | RBSM | 274 | | | | |
| 9118 | Gillnet | 9109 | RC | 11/9/91 | 1215 | 4 | 8 | RBSM | 268 | | | | |
| 9118 | Gillnet | 9109 | RC | 11/9/91 | 1215 | 4 | 9 | RBSM | 270 | | | | |
| 9118 | Gillnet | 9109 | RC | 11/9/91 | 1215 | 4 | 10 | LSCS | 232 | | | | 6 |
| 9118 | Gillnet | 9109 | RC | 11/9/91 | 1215 | 4 | 11 | ARCS | 262 | | | | 4 |
| 9118 | Gillnet | 9109 | RC | 11/9/91 | 1215 | 5 | 12 | ARCS | 227 | | | | 6 |
| 9118 | Gillnet | 9109 | RC | 11/9/91 | 1215 | 5 | 13 | LSCS | 294 | | | | 11 |
| 9118 | Gillnet | 9109 | RC | 11/9/91 | 1215 | 5 | 14 | LSCS | 287 | | | | 8 |
| 9118 | Gillnet | 9109 | RC | 11/9/91 | 1215 | 5 | 15 | LSCS | 291 | | | | 11 |
| 9118 | Gillnet | 9109 | RC | 11/9/91 | 1215 | 2 | 16 | ARCS | 122 | | | | 1 |
| 9118 | Gillnet | 9109 | RC | 11/9/91 | 1215 | 2 | 17 | ARCS | 126 | | | | 1 |
| 9119 | Gillnet | 9110 | RC | 11/9/91 | 1145 | 2 | 1 | RBSM | 152 | | | | |
| 9119 | Gillnet | 9110 | RC | 11/9/91 | 1145 | 4 | 2 | RBSM | 264 | | | | |

Appendix Table 17. Biological data obtained from fish collected during 1991-1993 gillnet sampling in the Colville River delta.

| Set Number | Method | Station | Habitat | Date Checked | Time Checked | Panel Number | Fish Number | Species | Fork Length (mm) | Weight (gm) | Sex | Maturity | Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9119 | Gillnet | 9110 | RC | 11/9/91 | 1145 | 4 | 3 | RBSM | 266 | | | | |
| 9119 | Gillnet | 9110 | RC | 11/9/91 | 1145 | 4 | 4 | ARCS | 271 | | | | 4 |
| 9119 | Gillnet | 9110 | RC | 11/9/91 | 1145 | 4 | 5 | ARCS | 280 | | | | 4 |
| 9119 | Gillnet | 9110 | RC | 11/9/91 | 1145 | 4 | 6 | ARCS | 264 | | | | 5 |
| 9119 | Gillnet | 9110 | RC | 11/9/91 | 1145 | 4 | 7 | ARCS | 279 | | | | 5 |
| 9119 | Gillnet | 9110 | RC | 11/9/91 | 1145 | 4 | 8 | ARCS | 228 | | | | 4 |
| 9119 | Gillnet | 9110 | RC | 11/9/91 | 1145 | 4 | 9 | ARCS | 223. | | | | 4 |
| 9119 | Gillnet | 9110 | RC | 11/9/91 | 1145 | 4 | 10 | ARCS | 246 | | | | 4 |
| 9119 | Gillnet | 9110 | RC | 11/9/91 | 1145 | 4 | 11 | ARCS | 237 | | | | 4 |
| 9119 | Gillnet | 9110 | RC | 11/9/91 | 1145 | 4 | 12 | ARCS | 255 | | | | 4 |
| 9119 | Gillnet | 9110 | RC | 11/9/91 | 1145 | 4 | 13 | ARCS | 244 | | | | 5 |
| 9119 | Gillnet | 9110 | RC | 11/9/91 | 1145 | 3 | 14 | RBSM | 215 | | | | |
| 9119 | Gillnet | 9110 | RC | 11/9/91 | 1145 | 3 | 15 | RBSM | 235 | | | | |
| 9119 | Gillnet | 9110 | RC | 11/9/91 | 1145 | 3 | 16 | RBSM | 226 | | | | |
| 9119 | Gillnet | 9110 | RC | 11/9/91 | 1145 | 3 | 17 | RBSM | 207 | | | | |
| 9119 | Gillnet | 9110 | RC | 11/9/91 | 1145 | 3 | 18 | RBSM | 250 | | | | |
| 9119 | Gillnet | 9110 | RC | 11/9/91 | 1145 | 5 | 19 | ARCS | 283 | | | | 4 |
| 9119 | Gillnet | 9110 | RC | 11/9/91 | 1145 | 5 | 20 | ARCS | 321 | | | | 6 |
| 9119 | Gillnet | 9110 | RC | 11/9/91 | 1145 | 5 | 21 | ARCS | 311 | | | | 6 |
| 9119 | Gillnet | 9110 | RC | 11/9/91 | 1145 | 5 | 22 | ARCS | 296 | | | | 5 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 1 | LSCS | 229 | | | | 9 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 2 | LSCS | 255 | | | | 11 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 3 | LSCS | 246 | | | | 10 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 4 | LSCS | 236 | | M | 1 | 9 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 5 | LSCS | 240 | | F | 5 | 9 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 6 | LSCS | 213 | | | | 5 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 7 | LSCS | 248 | | M | | 16 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 8 | LSCS | 242 | | F | | 10 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 9 | LSCS | 234 | | F | | 8 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 10 | LSCS | 250 | | F | | 11 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 11 | LSCS | 250 | | M | | 9 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 12 | LSCS | 226 | | F | 1 | 8 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 13 | LSCS | 224 | | M | 1 | 12 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 14 | LSCS | 235 | | M | | 8 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 15 | LSCS | 246 | | F | 2 | 11 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 16 | LSCS | 247 | | M | 2 | 11 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 17 | LSCS | 248 | | M | 2 | 12 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 18 | LSCS | 240 | | M | 2 | 11 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 19 | LSCS | 240 | | F | 5 | 10 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 20 | LSCS | 250 | | F | 5 | 10 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 21 | LSCS | 221 | | M | 1 | 9 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 22 | LSCS | 236 | | F | 2 | 9 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 23 | LSCS | 245 | | M | 2 | 8 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 24 | LSCS | 232 | | F | 1 | 11 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 25 | LSCS | 194 | | J | 1 | 5 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 26 | LSCS | 210 | | F | 1 | 5 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 27 | LSCS | 248 | | F | 2 | 11 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 28 | LSCS | 194 | | J | 1 | 6 |

Appendix Table 17. Biological data obtained from fish collected during 1991-1993 gillnet sampling in the Colville River delta.

| Set Number | Method | Station | Habitat | Date Checked | Time Checked | Panel Number | Fish Number | Species | Fork Length (mm) | Weight (gm) | Sex | Maturity | Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 29 | LSCS | 236 | | M | 1 | 9 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 30 | LSCS | 251 | | F | 2 | 11 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 31 | LSCS | 216 | | M | 1 | 7 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 32 | LSCS | 242 | | F | 3 | 11 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 33 | LSCS | 242 | | F | 3 | 12 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 34 | LSCS | 263 | | F | 5 | 13 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 35 | LSCS | 245 | | M | 2 | 10 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 36 | LSCS | 246 | | M | 2 | 9 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 37 | LSCS | 193 | | J | 1 | 4 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 38 | LSCS | 193 | | M | 1 | 4 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 39 | LSCS | 212 | | F | 1 | 5 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 40 | LSCS | 196 | | J | 1 | 5 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 41 | LSCS | 179 | | J | 1 | 4 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 42 | LSCS | 252 | | F | 2 | 9 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 43 | LSCS | 245 | | F | 2 | 11 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 44 | LSCS | 206 | | F | 1 | 4 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 45 | LSCS | 240 | | F | 3 | 11 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 46 | LSCS | 242 | | F | 3 | |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 47 | LSCS | 246 | | F | 3 | 12 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 48 | LSCS | 251 | | M | 2 | 13 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 49 | LSCS | 232 | | M | 2 | 12 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 50 | LSCS | 246 | | M | 2 | 11 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 51 | LSCS | 237 | | M | 2 | 9 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 52 | LSCS | 242 | | F | 1 | 9 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 53 | LSCS | 210 | | J | 1 | 6 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 3 | 54 | LSCS | 241 | | F | 3 | 11 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 1 | 55 | LSCS | 145 | | J | 1 | |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 1 | 56 | LSCS | 125 | | J | 1 | 2 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 5 | 57 | LSCS | 340 | | F | 5 | 13 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 5 | 58 | LSCS | 276 | | F | 3 | 11 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 5 | 59 | LSCS | 328 | | F | 3 | 14 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 5 | 60 | LSCS | 276 | | M | 2 | 17 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 5 | 61 | LSCS | 280 | | M | 2 | 12 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 5 | 62 | LSCS | 296 | | F | 3 | |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 5 | 63 | LSCS | 316 | | M | 2 | 12 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 5 | 64 | LSCS | 325 | | M | 3 | 11 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 65 | LSCS | 260 | | F | 2 | 9 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 66 | LSCS | 241 | | F | 3 | 11 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 67 | LSCS | 236 | | F | 1 | 11 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 68 | LSCS | 240 | | M | 2 | 11 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 69 | LSCS | 236 | | F | 3 | 11 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 70 | LSCS | 260 | | M | 3 | 12 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 71 | LSCS | 245 | | F | 2 | 11 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 72 | LSCS | 291 | | M | 2 | 13 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 73 | LSCS | 240 | | F | 2 | 10 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 74 | LSCS | 296 | | M | 2 | 12 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 75 | LSCS | 248 | | M | 2 | 11 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 76 | LSCS | 233 | | F | 3 | 9 |

Appendix Table 17. Biological data obtained from fish collected during 1991-1993 gillnet sampling in the Colville River delta.

| Set Number | Method | Station | Habitat | Date Checked | Time Checked | Panel Number | Fish Number | Species | Fork Length (mm) | Weight (gm) | Sex | Maturity | Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 77 | LSCS | 244 | | M | 2 | 11 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 78 | LSCS | 252 | | M | 2 | 11 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 79 | LSCS | 246 | | M | 2 | 11 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 80 | LSCS | 256 | | F | 3 | 11 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 81 | LSCS | 241 | | F | 3 | 10 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 82 | LSCS | 249 | | F | 5 | 11 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 83 | LSCS | 244 | | F | 2 | 11 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 84 | LSCS | 250 | | F | 2 | 11 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 85 | LSCS | 243 | | F | 3 | 12 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 86 | LSCS | 246 | | F | 1 | 11 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 87 | LSCS | 261 | | F | 1 | 12 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 88 | LSCS | 242 | | M | 3 | 11 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 89 | LSCS | 275 | | M | 2 | 13 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 90 | LSCS | 266 | | F | 2 | 12 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 91 | LSCS | 242 | | F | 3 | 11 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 92 | LSCS | 291 | | M | 2 | 12 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 93 | LSCS | 245 | | F | 2 | 12 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 94 | LSCS | 233 | | M | 2 | 11 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 95 | LSCS | 242 | | F | 2 | 11 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 96 | LSCS | 250 | | M | 1 | 12 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 97 | LSCS | 260 | | M | 2 | 12 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 98 | LSCS | 251 | | M | 3 | 11 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 99 | LSCS | 264 | | F | 3 | 12 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 100 | LSCS | 235 | | M | 3 | 7 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 101 | LSCS | 268 | | F | 3 | 13 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 102 | LSCS | 245 | | F | 2 | 11 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 103 | LSCS | 236 | | M | 2 | 11 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 104 | LSCS | 253 | | F | 2 | 13 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 105 | LSCS | 258 | | M | 2 | 12 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 106 | LSCS | 276 | | F | 3 | |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 107 | LSCS | 261 | | F | 3 | 11 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 108 | LSCS | 255 | | F | 3 | 12 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 109 | LSCS | 246 | | M | 2 | 14 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 110 | LSCS | 246 | | M | 2 | 9 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 111 | LSCS | 246 | | F | 2 | 11 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 112 | LSCS | 250 | | F | 3 | 11 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 113 | LSCS | 254 | | M | 2 | 12 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 114 | LSCS | 251 | | M | 2 | 11 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 115 | LSCS | 249 | | F | 2 | 11 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 116 | LSCS | 251 | | F | 3 | 11 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 117 | LSCS | 248 | | F | 2 | 12 |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 118 | LSCS | 245 | | F | 2 | |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 119 | LSCS | 243 | | F | 3 | |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 120 | LSCS | 252 | | M | 5 | |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 121 | LSCS | 256 | | F | 5 | |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 122 | LSCS | 241 | | M | 2 | |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 123 | LSCS | 243 | | M | 2 | |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 124 | LSCS | 254 | | M | 2 | |

Appendix Table 17. Biological data obtained from fish collected during 1991-1993 gillnet sampling in the Colville River delta.

| Set Number | Method | Station | Habitat | Date Checked | Time Checked | Panel Number | Fish Number | Species | Fork Length (mm) | Weight (gm) | Sex | Maturity | Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 125 | LSCS | 244 | | M | 2 | |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 126 | LSCS | 246 | | M | 2 | |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 127 | LSCS | 260 | | M | 2 | |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 128 | LSCS | 244 | | M | 2 | |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 129 | LSCS | 233 | | M | 2 | |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 130 | LSCS | 244 | | M | 2 | |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 131 | LSCS | 229 | | F | 1 | |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 132 | LSCS | 251 | | M | 1 | |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 133 | LSCS | 234 | | M | 2 | |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 134 | LSCS | 237 | | M | 2 | |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 135 | LSCS | 262 | | M | 2 | |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 136 | LSCS | 234 | | F | 1 | |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 137 | LSCS | 249 | | M | 2 | |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 138 | LSCS | 250 | | F | 3 | |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 139 | LSCS | 243 | | M | 2 | |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 140 | LSCS | 241 | | | | |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 141 | LSCS | 258 | | M | 2 | |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 142 | LSCS | 252 | | M | 2 | |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 143 | LSCS | 235 | | M | 3 | |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 144 | LSCS | 244 | | F | 5 | |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 145 | LSCS | 256 | | F | 3 | |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 146 | LSCS | 239 | | F | 3 | |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 147 | LSCS | 246 | | F | 2 | |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 148 | LSCS | 261 | | F | 2 | |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 149 | LSCS | 254 | | F | 2 | |
| 9120 | Gillnet | 9111 | IL | 11/9/91 | 1045 | 4 | 150 | LSCS | 234 | | F | 5 | |
| 9121 | Gillnet | 9110 | RC | 11/10/91 | 1045 | 2 | 1 | RBSM | 184 | | | | |
| 9121 | Gillnet | 9110 | RC | 11/10/91 | 1045 | 3 | 2 | ARCS | 206 | | | | |
| 9121 | Gillnet | 9110 | RC | 11/10/91 | 1045 | 3 | 3 | ARCS | 192 | | | | |
| 9121 | Gillnet | 9110 | RC | 11/10/91 | 1045 | 4 | 4 | ARCS | 291 | | | | |
| 9121 | Gillnet | 9110 | RC | 11/10/91 | 1045 | 4 | 5 | RBSM | 260 | | | | |
| 9121 | Gillnet | 9110 | RC | 11/10/91 | 1045 | 4 | 6 | RBSM | 285 | | | | |
| 9122 | Gillnet | 9109 | RC | 11/10/91 | 1030 | 3 | 1 | ARCS | 176 | | – | | |
| 9201 | Gillnet | 9203 | IL | 10/30/92 | 1030 | 2 | 1 | ARCS | 160 | | I | 1 | 3 |
| 9201 | Gillnet | 9203 | IL | 10/30/92 | 1030 | 2 | 2 | LSCS | 187 | | M | 1 | 4 |
| 9201 | Gillnet | 9203 | IL | 10/30/92 | 1030 | 2 | 3 | LSCS | 200 | | F | 1 | 4 |
| 9201 | Gillnet | 9203 | IL | 10/30/92 | 1030 | 2 | 4 | LSCS | 175 | | F | 1 | 3 |
| 9201 | Gillnet | 9203 | IL | 10/30/92 | 1030 | 2 | 5 | LSCS | 150 | | M | 1 | 3 |
| 9201 | Gillnet | 9203 | IL | 10/30/92 | 1030 | 3 | 6 | BDWF | 183 | | F | 1 | 3 |
| 9201 | Gillnet | 9203 | IL | 10/30/92 | 1030 | 3 | 7 | LSCS | 240 | | F | 2 | 7 |
| 9201 | Gillnet | 9203 | IL | 10/30/92 | 1030 | 3 | 8 | LSCS | 200 | | F | 2 | 4 |
| 9201 | Gillnet | 9203 | IL | 10/30/92 | 1030 | 3 | 9 | LSCS | 202 | | F | 1 | 6 |
| 9201 | Gillnet | 9203 | IL | 10/30/92 | 1030 | 3 | 10 | LSCS | 194 | | M | 1 | 6 |
| 9201 | Gillnet | 9203 | IL | 10/30/92 | 1030 | 3 | 11 | LSCS | 190 | | M | 2 | 7 |
| 9201 | Gillnet | 9203 | IL | 10/30/92 | 1030 | 3 | 12 | LSCS | 182 | | M | 2 | 5 |
| 9201 | Gillnet | 9203 | IL | 10/30/92 | 1030 | 4 | 13 | LSCS | 303 | | F | 5 | 14 |
| 9201 | Gillnet | 9203 | IL | 10/30/92 | 1030 | 5 | 14 | ARCS | 343 | | M | 5 | 15 |
| 9201 | Gillnet | 9203 | IL | 10/30/92 | 1030 | 5 | 15 | ARCS | 357 | | F | 5 | 10 |

Appendix Table 17. Biological data obtained from fish collected during 1991-1993 gillnet sampling in the Colville River delta.

| Set Number | Method | Station | Habitat | Date Checked | Time Checked | Panel Number | Fish Number | Species | Fork Length (mm) | Weight (gm) | Sex | Maturity | Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9201 | Gillnet | 9203 | IL | 10/30/92 | 1030 | 6 | 16 | ARCS | 363 | | M | 5 | 14 |
| 9203 | Gillnet | 9205 | IL | 10/31/92 | 1030 | 4 | 1 | LSCS | 280 | | F | 4 | 13 |
| 9203 | Gillnet | 9205 | IL | 10/31/92 | 1030 | 5 | 2 | LSCS | 290 | | M | 5 | 12 |
| 9204 | Gillnet | 9206 | IL | 10/31/92 | 1050 | 5 | 1 | ARCS | 380 | | F | 4 | 12 |
| 9204 | Gillnet | 9206 | IL | 10/31/92 | 1050 | 5 | 2 | LSCS | 294 | | F | 5 | 13 |
| 9204 | Gillnet | 9206 | IL | 10/31/92 | 1050 | 5 | 3 | LSCS | 249 | | F | 4 | 11 |
| 9204 | Gillnet | 9206 | IL | 10/31/92 | 1050 | 5 | 4 | LSCS | 303 | | F | 4 | 11 |
| 9204 | Gillnet | 9206 | IL | 10/31/92 | 1050 | 5 | 5 | LSCS | 301 | | F | 4 | 13 |
| 9204 | Gillnet | 9206 | IL | 10/31/92 | 1050 | 5 | 6 | LSCS | 289 | | M | 5 | 13 |
| 9204 | Gillnet | 9206 | IL | 10/31/92 | 1050 | 4 | 7 | LSCS | 298 | | M | 5 | 12 |
| 9204 | Gillnet | 9206 | IL | 10/31/92 | 1050 | 4 | 8 | LSCS | 284 | | M | 5 | 9 |
| 9204 | Gillnet | 9206 | IL | 10/31/92 | 1050 | 4 | 9 | LSCS | 290 | | M | 5 | 13 |
| 9204 | Gillnet | 9206 | IL | 10/31/92 | 1050 | 4 | 10 | LSCS | 276. | | M | 5 | 8 |
| 9204 | Gillnet | 9206 | IL | 10/31/92 | 1050 | 4 | 11 | LSCS | 270 | | F | 5 | 8 |
| 9204 | Gillnet | 9206 | IL | 10/31/92 | 1050 | 4 | 12 | LSCS | 281 | | M | 5 | 12 |
| 9204 | Gillnet | 9206 | IL | 10/31/92 | 1050 | 4 | 13 | LSCS | 287 | | M | 5 | 12 |
| 9204 | Gillnet | 9206 | IL | 10/31/92 | 1050 | 4 | 14 | LSCS | 290 | | M | 5 | 8 |
| 9204 | Gillnet | 9206 | IL | 10/31/92 | 1050 | 4 | 15 | LSCS | 275 | | M | 5 | 8 |
| 9204 | Gillnet | 9206 | IL | 10/31/92 | 1050 | 4 | 16 | LSCS | 272 | | M | 5 | 10 |
| 9204 | Gillnet | 9206 | IL | 10/31/92 | 1050 | 4 | 17 | LSCS | 282 | | | | 8 |
| 9205 | Gillnet | 9207 | TL | 11/1/92 | 1600 | 6 | 1 | BDWF | 505 | | M | 2 | 13 |
| 9205 | Gillnet | 9207 | TL | 11/1/92 | 1600 | 6 | 2 | ARCS | 429 | | F | 5 | 12 |
| 9205 | Gillnet | 9207 | TL | 11/1/92 | 1600 | 2 | 3 | HBWF | 168 | | I | 1 | 3 |
| 9205 | Gillnet | 9207 | TL | 11/1/92 | 1600 | 5 | 4 | LSCS | 331 | | M | 4 | 13 |
| 9205 | Gillnet | 9207 | TL | 11/1/92 | 1600 | 5 | 5 | LSCS | 353 | | F | 5 | 15 |
| 9205 | Gillnet | 9207 | TL | 11/1/92 | 1600 | 5 | 6 | LSCS | 303 | | M | 4 | |
| 9205 | Gillnet | 9207 | TL | 11/1/92 | 1600 | 5 | 7 | ARCS | 385 | | M | 5 | 9 |
| 9205 | Gillnet | 9207 | TL | 11/1/92 | 1600 | 5 | 8 | ARCS | 372 | | F | 5 | 13 |
| 9205 | Gillnet | 9207 | TL | 11/1/92 | 1600 | 5 | 9 | BDWF | 398 | | M | 2 | 6 |
| 9205 | Gillnet | 9207 | TL | 11/1/92 | 1600 | 5 | 10 | BDWF | 475 | | F | 5 | 12 |
| 9206 | Gillnet | 9208 | IL | 11/2/92 | 1100 | 2 | 1 | ARCS | 157 | | I | 1 | 2 |
| 9206 | Gillnet | 9208 | IL | 11/2/92 | 1100 | 5 | 2 | BDWF | 354 | | F | 2 | 12 |
| 9206 | Gillnet | 9208 | IL | 11/2/92 | 1100 | 5 | 3 | HBWF | 420 | | F | 5 | 19 |
| 9207 | Gillnet | 9209 | IL | 11/2/92 | 1130 | 3 | 1 | LSCS | 224 | | M | 2 | 5 |
| 9207 | Gillnet | 9209 | IL | 11/2/92 | 1130 | 3 | 2 | LSCS | 199 | | F | 2 | 6 |
| 9207 | Gillnet | 9209 | IL | 11/2/92 | 1130 | 3 | 3 | LSCS | 207 | | M | 2 | 6 |
| 9207 | Gillnet | 9209 | IL | 11/2/92 | 1130 | 4 | 4 | LSCS | 282 | | F | 5 | 12 |
| 9207 | Gillnet | 9209 | IL | 11/2/92 | 1130 | 4 | 5 | LSCS | 273 | | M | 5 | 10 |
| 9207 | Gillnet | 9209 | IL | 11/2/92 | 1130 | 4 | 6 | LSCS | 283 | | F | 5 | 12 |
| 9207 | Gillnet | 9209 | IL | 11/2/92 | 1130 | 4 | 7 | LSCS | 260 | | M | 2 | 6 |
| 9207 | Gillnet | 9209 | IL | 11/2/92 | 1130 | 4 | 8 | LSCS | 253 | | M | 5 | 12 |
| 9207 | Gillnet | 9209 | IL | 11/2/92 | 1130 | 5 | 9 | LSCS | 326 | | F | 4 | 17 |
| 9207 | Gillnet | 9209 | IL | 11/2/92 | 1130 | 5 | 10 | LSCS | 300 | | M | 4 | 12 |
| 9207 | Gillnet | 9209 | IL | 11/2/92 | 1130 | 5 | 11 | LSCS | 281 | | M | 5 | 11 |
| 9207 | Gillnet | 9209 | IL | 11/2/92 | 1130 | 5 | 12 | LSCS | 306 | | M | 5 | 12 |
| 9207 | Gillnet | 9209 | IL | 11/2/92 | 1130 | 6 | 13 | BDWF | 497 | | M | 5 | 20 |
| 9207 | Gillnet | 9209 | IL | 11/2/92 | 1130 | 6 | 14 | BDWF | 415 | | M | 2 | 14 |
| 9208 | Gillnet | 9204 | IL | 11/3/92 | 1530 | 2 | 1 | LSCS | 188 | | M | 1 | 4 |

Appendix Table 17. Biological data obtained from fish collected during 1991-1993 gillnet sampling in the Colville River delta.

| Set Number | Method | Station | Habitat | Date Checked | Time Checked | Panel Number | Fish Number | Species | Fork Length (mm) | Weight (gm) | Sex | Maturity | Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9208 | Gillnet | 9204 | IL | 11/3/92 | 1530 | 4 | 2 | LSCS | 274 | | F | 5 | 13 |
| 9208 | Gillnet | 9204 | IL | 11/3/92 | 1530 | 4 | 3 | LSCS | 285 | | F | 5 | 13 |
| 9208 | Gillnet | 9204 | IL | 11/3/92 | 1530 | 4 | 4 | LSCS | 293 | | F | 4 | 12 |
| 9208 | Gillnet | 9204 | IL | 11/3/92 | 1530 | 4 | 5 | LSCS | 275 | | M | 4 | 12 |
| 9208 | Gillnet | 9204 | IL | 11/3/92 | 1530 | 5 | 6 | LSCS | 349 | | F | 5 | 11 |
| 9208 | Gillnet | 9204 | IL | 11/3/92 | 1530 | 5 | 7 | LSCS | 280 | | M | 5 | 13 |
| 9208 | Gillnet | 9204 | IL | 11/3/92 | 1530 | 5 | 8 | LSCS | 280 | | M | 5 | 13 |
| 9208 | Gillnet | 9204 | IL | 11/3/92 | 1530 | 5 | 9 | LSCS | 298 | | F | 5 | 12 |
| 9208 | Gillnet | 9204 | IL | 11/3/92 | 1530 | 5 | 10 | LSCS | 273 | | M | 5 | 9 |
| 9208 | Gillnet | 9204 | IL | 11/3/92 | 1530 | 5 | 11 | LSCS | 296 | | F | 5 | 12 |
| 9208 | Gillnet | 9204 | IL | 11/3/92 | 1530 | 5 | 12 | LSCS | 268 | | M | 5 | 13 |
| 9208 | Gillnet | 9204 | IL | 11/3/92 | 1530 | 5 | 13 | LSCS | 291 | | F | 5 | 11 |
| 9210 | Gillnet | 9211 | IL | 11/4/92 | 1630 | 6 | 1 | ARCS | 430 | | F | 2 | 18 |
| 9210 | Gillnet | 9211 | IL | 11/4/92 | 1630 | 6 | 2 | ARCS | 422 | | M | 2 | 15 |
| 9210 | Gillnet | 9211 | IL | 11/4/92 | 1630 | 6 | 3 | LSCS | 403 | | F | 4 | 16 |
| 9210 | Gillnet | 9211 | IL | 11/4/92 | 1630 | 6 | 4 | ARCS | 414 | | M | 2 | 15 |
| 9210 | Gillnet | 9211 | IL | 11/4/92 | 1630 | 6 | 5 | ARCS | 396 | | M | 2 | 16 |
| 9210 | Gillnet | 9211 | IL | 11/4/92 | 1630 | 5 | 6 | ARCS | 320 | | M | 3 | 8 |
| 9210 | Gillnet | 9211 | IL | 11/4/92 | 1630 | 5 | 7 | ARCS | 415 | | M | 2 | 16 |
| 9210 | Gillnet | 9211 | IL | 11/4/92 | 1630 | 5 | 8 | ARCS | 408 | | M | 2 | 17 |
| 9210 | Gillnet | 9211 | IL | 11/4/92 | 1630 | 5 | 9 | ARCS | 390 | | M | 2 | 18 |
| 9210 | Gillnet | 9211 | IL | 11/4/92 | 1630 | 5 | 10 | LSCS | 375 | | M | 4 | 14 |
| 9210 | Gillnet | 9211 | IL | 11/4/92 | 1630 | 5 | 11 | LSCS | 374 | | M | 5 | 20 |
| 9210 | Gillnet | 9211 | IL | 11/4/92 | 1630 | 5 | 12 | LSCS | 367 | | M | 4 | 15 |
| 9210 | Gillnet | 9211 | IL | 11/4/92 | 1630 | 5 | 13 | LSCS | 325 | | M | 4 | 17 |
| 9210 | Gillnet | 9211 | IL | 11/4/92 | 1630 | 5 | 14 | LSCS | 275 | | M | 2 | 6 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 2 | 1 | LSCS | 254 | | M | 2 | 10 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 2 | 2 | LSCS | 186 | | F | 2 | 4 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 3 | 3 | LSCS | 258 | | M | 2 | 12 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 3 | 4 | LSCS | 206 | | F | 2 | 5 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 3 | 5 | LSCS | 261 | | M | 5 | 13 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 3 | 6 | LSCS | 262 | | F | 2 | 11 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 3 | 7 | LSCS | 250 | | M | 2 | 12 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 3 | 8 | LSCS | 187 | | F | 2 | 5 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 3 | 9 | LSCS | 255 | | M | 2 | 11 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 3 | 10 | LSCS | 254 | | F | 2 | 11 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 5 | 11 | LSCS | 337 | | F | 4 | 15 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 5 | 12 | LSCS | 310 | | M | 4 | 17 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 5 | 13 | LSCS | 310 | | F | 4 | 19 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 5 | 14 | LSCS | 301 | | M | 4 | 18 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 5 | 15 | LSCS | 302 | | M | 5 | 19 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 5 | 16 | LSCS | 287 | | M | 4 | 20 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 4 | 17 | LSCS | 300 | | M | 5 | 17 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 4 | 18 | LSCS | 277 | | M | 2 | 12 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 4 | 19 | LSCS | 291 | | M | 4 | 15 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 4 | 20 | LSCS | 268 | | F | 2 | 12 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 4 | 21 | LSCS | 269 | | F | 2 | 13 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 4 | 22 | LSCS | 261 | | F | 2 | 11 |

Appendix Table 17. Biological data obtained from fish collected during 1991-1993 gillnet sampling in the Colville River delta.

| Set Number | Method | Station | Habitat | Date Checked | Time Checked | Panel Number | Fish Number | Species | Fork Length (mm) | Weight (gm) | Sex | Maturity | Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 4 | 23 | LSCS | 267 | | F | 2 | 11 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 4 | 24 | LSCS | 263 | | M | 2 | 11 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 4 | 25 | LSCS | 264 | | M | 2 | 11 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 4 | 26 | LSCS | 258 | | M | 5 | 12 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 4 | 27 | LSCS | 275 | | F | 2 | 13 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 4 | 28 | LSCS | 258 | | F | 2 | 11 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 4 | 29 | LSCS | 268 | | M | 5 | 12 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 4 | 30 | LSCS | 280 | | F | 5 | 13 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 4 | 31 | LSCS | 271 | | M | 5 | 14 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 4 | 32 | LSCS | 263 | | F | 5 | 11 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 4 | 33 | LSCS | 281 | | M | 5 | 14 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 4 | 34 | LSCS | 283 | | F | 2 | 12 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 4 | 35 | LSCS | 319 | | M | 5 | 19 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 4 | 36 | LSCS | 285 | | M | 4 | 11 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 4 | 37 | LSCS | 288 | | F | 4 | 12 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 4 | 38 | LSCS | 259 | | F | 2 | 12 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 4 | 39 | LSCS | 269 | | F | 2 | 12 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 4 | 40 | LSCS | 260 | | M | 2 | 11 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 4 | 41 | LSCS | 257 | | F | 5 | 11 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 4 | 42 | LSCS | 263 | | M | 5 | 13 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 4 | 43 | LSCS | 262 | | F | 5 | 10 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 4 | 44 | LSCS | 260 | | M | 2 | 13 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 4 | 45 | LSCS | 259 | | F | 5 | 12 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 4 | 46 | LSCS | 361 | | F | 5 | 12 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 4 | 47 | LSCS | 251 | | M | 2 | 12 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 4 | 48 | LSCS | 253 | | M | 5 | 11 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 4 | 49 | LSCS | 250 | | M | 5 | 11 |
| 9211 | Gillnet | 9213 | IL | 11/5/92 | 1100 | 4 | 50 | LSCS | 250 | | M | 4 | 13 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 1 | LSCS | 265 | | M | 5 | 11 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 2 | LSCS | 272 | | M | 4 | 11 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 3 | LSCS | 283 | | M | 4 | 12 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 4 | LSCS | 277 | | M | 5 | 11 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 5 | LSCS | 246 | | M | 4 | 15 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 6 | LSCS | 310 | | M | 4 | 13 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 7 | LSCS | 266 | | M | 4 | 14 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 8 | LSCS | 250 | | M | 5 | 11 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 9 | LSCS | 280 | | M | 4 | 13 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 10 | LSCS | 255 | | M | 5 | 11 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 11 | LSCS | 257 | | F | 5 | 11 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 12 | LSCS | 240 | | M | 2 | 11 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 13 | LSCS | 269 | | M | 2 | 11 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 14 | LSCS | 275 | | F | 4 | 12 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 15 | LSCS | 259 | | F | 4 | 10 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 16 | LSCS | 260 | | M | 5 | 11 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 17 | LSCS | 275 | | F | 5 | 10 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 18 | LSCS | 245 | | M | 5 | 12 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 19 | LSCS | 240 | | M | 5 | 13 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 20 | LSCS | 255 | | M | 4 | 12 |

Appendix Table 17. Biological data obtained from fish collected during 1991-1993 gillnet sampling in the Colville River delta.

| Set Number | Method | Station | Habitat | Date Checked | Time Checked | Panel Number | Fish Number | Species | Fork Length (mm) | Weight (gm) | Sex | Maturity | Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 21 | LSCS | 355 | | M | 4 | 16 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 22 | LSCS | 260 | | M | 4 | 12 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 23 | LSCS | 277 | | F | 5 | 11 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 24 | LSCS | 267 | | M | 5 | 10 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 25 | LSCS | 295 | | M | 5 | 19 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 26 | LSCS | 268 | | M | 5 | 12 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 27 | LSCS | 263 | | M | 5 | 13 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 28 | LSCS | 261 | | M | 5 | 12 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 29 | LSCS | 275 | | M | 5 | 11 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 30 | LSCS | 295 | | M | 4 | 16 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 31 | LSCS | 257 | | M | 5 | 10 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 32 | LSCS | 271 | | F | 4 | 13 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 33 | LSCS | 261 | | M | 5 | 12 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 34 | LSCS | 250 | | M | 5 | 13 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 35 | LSCS | 255 | | M | 4 | 13 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 36 | LSCS | 249 | | M | 5 | 11 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 37 | LSCS | 274 | | M | 4 | 12 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 38 | LSCS | 243 | | M | 5 | 11 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 39 | LSCS | 255 | | M | 4 | 13 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 40 | LSCS | 254 | | M | 5 | 12 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 41 | LSCS | 263 | | F | 5 | 13 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 42 | LSCS | 271 | | M | 5 | 13 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 43 | LSCS | 255 | | F | 5 | 11 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 44 | LSCS | 255 | | M | 5 | 12 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 45 | LSCS | 261 | | M | 5 | 13 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 46 | LSCS | 247 | | M | 5 | 13 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 47 | LSCS | 234 | | M | 5 | 13 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 48 | LSCS | 265 | | M | 5 | 12 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 49 | LSCS | 256 | | F | 2 | 12 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 50 | LSCS | 245 | | M | 5 | 10 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 51 | LSCS | 252 | | M | 5 | 12 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 52 | LSCS | 276 | | F | 5 | 12 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 53 | LSCS | 250 | | F | 5 | 9 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 54 | LSCS | 264 | | M | 4 | 12 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 4 | 55 | LSCS | 255 | | M | 5 | 12 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 1 | 56 | LSCS | 119 | | I | 1 | 2 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 3 | 57 | LSCS | 279 | | M | 4 | 12 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 3 | 58 | LSCS | 249 | | M | 5 | 14 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 3 | 59 | LSCS | 212 | | M | 2 | 5 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 3 | 60 | LSCS | 209 | | M | 5 | 5 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 3 | 61 | LSCS | 206 | | M | 2 | 5 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 2 | 62 | LSCS | 159 | | F | 1 | 3 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 2 | 63 | LSCS | 180 | | F | 1 | 4 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 5 | 64 | LSCS | 294 | | M | 5 | 16 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 5 | 65 | LSCS | 347 | | M | 5 | 16 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 5 | 66 | LSCS | 272 | | M | 5 | 13 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 5 | 67 | LSCS | 301 | | F | 4 | 20 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 5 | 68 | LSCS | 301 | | F | 4 | |

Appendix Table 17. Biological data obtained from fish collected during 1991-1993 gillnet sampling in the Colville River delta.

| Set Number | Method | Station | Habitat | Date Checked | Time Checked | Panel Number | Fish Number | Species | Fork Length (mm) | Weight (gm) | Sex | Maturity | Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 5 | 69 | LSCS | 299 | | M | 5 | 13 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 5 | 70 | LSCS | 305 | | M | 5 | 11 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 5 | 71 | LSCS | 280 | | M | 5 | 14 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 5 | 72 | LSCS | 281 | | M | 4 | 14 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 5 | 73 | LSCS | 295 | | M | 4 | 10 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 5 | 74 | LSCS | 296 | | M | 5 | 16 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 5 | 75 | LSCS | 291 | | M | 5 | 13 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 5 | 76 | LSCS | 292 | | M | 4 | 15 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 5 | 77 | LSCS | 289 | | F | 5 | 12 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 5 | 78 | LSCS | 298 | | M | 5 | 11 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 5 | 79 | LSCS | 292 | | M | 4 | 15 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 5 | 80 | LSCS | 294 | | M | 5 | 13 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 5 | 81 | LSCS | 307 | | M | 4 | |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 5 | 82 | LSCS | 302 | | M | 5 | 16 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 5 | 83 | LSCS | 326 | | F | 4 | 16 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 5 | 84 | LSCS | 309 | | F | 5 | 12 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 5 | 85 | LSCS | 290 | | M | 5 | 12 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 5 | 86 | LSCS | 303 | | F | 4 | 14 |
| 9212 | Gillnet | 9212 | IL | 11/5/92 | 1200 | 5 | 87 | LSCS | 287 | | M | 4 | 15 |
| 9213 | Gillnet | 9201 | TL | 11/7/92 | 1130 | 3 | 1 | ARCS | 161 | | I | 1 | 2 |
| 9213 | Gillnet | 9201 | TL | 11/7/92 | 1130 | 6 | 2 | ARCS | 343 | | M | 2 | 7 |
| 9301 | Gillnet | 9301 | IL | 10/28/93 | 10:30 | 6 | 1 | ARCS | 386 | 617 | M | 2 | 9 |
| 9301 | Gillnet | 9301 | IL | 10/28/93 | 10:30 | 5 | 2 | LSCS | 337 | 347 | F | 4 | 14 |
| 9301 | Gillnet | 9301 | IL | 10/28/93 | 10:30 | 5 | 3 | LSCS | 350 | 361 | M | 4 | 25 |
| 9301 | Gillnet | 9301 | IL | 10/28/93 | 10:30 | 5 | 4 | ARCS | 370 | 580 | F | 2 | 7 |
| 9301 | Gillnet | 9301 | IL | 10/28/93 | 10:30 | 5 | 5 | ARCS | 367 | 575 | M | 2 | 11 |
| 9301 | Gillnet | 9301 | IL | 10/28/93 | 10:30 | 5 | 6 | LSCS | 296 | 287 | M | 5 | 11 |
| 9301 | Gillnet | 9301 | IL | 10/28/93 | 10:30 | 5 | 7 | ARCS | 318 | 332 | M | 2 | 6 |
| 9301 | Gillnet | 9301 | IL | 10/28/93 | 10:30 | 5 | 8 | LSCS | 330 | 358 | M | 5 | 11 |
| 9301 | Gillnet | 9301 | IL | 10/28/93 | 10:30 | 5 | 9 | ARCS | 394 | 743 | F | 3 | 10 |
| 9301 | Gillnet | 9301 | IL | 10/28/93 | 10:30 | 5 | 10 | LSCS | 331 | 359 | M | 5 | 13 |
| 9301 | Gillnet | 9301 | IL | 10/28/93 | 10:30 | 4 | 11 | LSCS | 245 | 144 | F | 2 | 5 |
| 9301 | Gillnet | 9301 | IL | 10/28/93 | 10:30 | 4 | 12 | LSCS | 218 | 100 | M | 2 | 4 |
| 9301 | Gillnet | 9301 | IL | 10/28/93 | 10:30 | 4 | 13 | LSCS | 255 | 148 | F | 2 | 6 |
| 9301 | Gillnet | 9301 | IL | 10/28/93 | 10:30 | 4 | 14 | LSCS | 234 | 135 | M | 5 | 4 |
| 9301 | Gillnet | 9301 | IL | 10/28/93 | 10:30 | 4 | 15 | LSCS | 226 | 114 | M | 2 | 4 |
| 9301 | Gillnet | 9301 | IL | 10/28/93 | 10:30 | 4 | 16 | LSCS | 255 | 169 | M | 5 | 4 |
| 9301 | Gillnet | 9301 | IL | 10/28/93 | 10:30 | 4 | 17 | LSCS | 239 | 128 | M | 2 | 4 |
| 9301 | Gillnet | 9301 | IL | 10/28/93 | 10:30 | 3 | 18 | LSCS | 227 | 118 | M | 2 | 5 |
| 9301 | Gillnet | 9301 | IL | 10/28/93 | 10:30 | 3 | 19 | LSCS | 266 | 217 | F | 4 | 5 |
| 9301 | Gillnet | 9301 | IL | 10/28/93 | 10:30 | 3 | 20 | LSCS | 235 | | F | 2 | 4 |
| 9301 | Gillnet | 9301 | IL | 10/28/93 | 10:30 | 3 | 21 | LSCS | 233 | 112 | F | 1 | 5 |
| 9302 | Gillnet | 9303 | TL | 10/28/93 | 11:45 | 3 | 1 | LSCS | 182 | 59 | F | 1 | 4 |
| 9302 | Gillnet | 9303 | TL | 10/28/93 | 11:45 | 3 | 2 | LSCS | 190 | 68 | F | 2 | 5 |
| 9302 | Gillnet | 9303 | TL | 10/28/93 | 11:45 | 3 | 3 | LSCS | 223 | 115 | M | 2 | 7 |
| 9302 | Gillnet | 9303 | TL | 10/28/93 | 11:45 | 3 | 4 | LSCS | 186 | 61 | M | 1 | 4 |
| 9302 | Gillnet | 9303 | TL | 10/28/93 | 11:45 | 3 | 5 | LSCS | 191 | 69 | M | 1 | 4 |
| 9302 | Gillnet | 9303 | TL | 10/28/93 | 11:45 | 3 | 6 | LSCS | 176 | 47 | M | 1 | 4 |

Appendix Table 17. Biological data obtained from fish collected during 1991-1993 gillnet sampling in the Colville River delta.

| Set Number | Method | Station | Habitat | Date Checked | Time Checked | Panel Number | Fish Number | Species | Fork Length (mm) | Weight (gm) | Sex | Maturity | Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9302 | Gillnet | 9303 | TL | 10/28/93 | 11:45 | 3 | 7 | LSCS | 198 | 72 | F | 1 | 4 |
| 9302 | Gillnet | 9303 | TL | 10/28/93 | 11:45 | 3 | 8 | LSCS | 195 | 68 | M | 1 | 4 |
| 9302 | Gillnet | 9303 | TL | 10/28/93 | 11:45 | 3 | 9 | LSCS | 198 | 76 | M | 2 | 4 |
| 9302 | Gillnet | 9303 | TL | 10/28/93 | 11:45 | 2 | 10 | LSCS | 177 | 50 | F | 1 | 4 |
| 9302 | Gillnet | 9303 | TL | 10/28/93 | 11:45 | 4 | 11 | LSCS | 231 | 138 | F | 1 | 5 |
| 9302 | Gillnet | 9303 | TL | 10/28/93 | 11:45 | 4 | 12 | LSCS | 287 | 239 | F | 2 | 9 |
| 9302 | Gillnet | 9303 | TL | 10/28/93 | 11:45 | 5 | 13 | LSCS | 372 | 395 | M | 5 | 14 |
| 9302 | Gillnet | 9303 | TL | 10/28/93 | 11:45 | 5 | 14 | LSCS | 370 | 541 | M | 5 | 16 |
| 9302 | Gillnet | 9303 | TL | 10/28/93 | 11:45 | 5 | 15 | LSCS | 282 | 232 | M | 5 | 9 |
| 9302 | Gillnet | 9303 | TL | 10/28/93 | 11:45 | 5 | 16 | LSCS | 307 | 279 | F | 5 | 10 |
| 9302 | Gillnet | 9303 | TL | 10/28/93 | 11:45 | 6 | 17 | ARCS | 390 | 713 | M | 2 | 13 |
| 9303 | Gillnet | 9302 | IL | 10/28/93 | 11:00 | 1 | 1 | BKFH | 100 | | | | |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 1 | 1 | BKFH | 107 | 13 | | | |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 1 | 2 | BKFH | 94 | 11 | | | |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 1 | 3 | BKFH | 90 | 9 | | | |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 1 | 4 | BKFH | 97 | 12 | | | |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 1 | 5 | BKFH | 101 | 11 | | | |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 1 | 6 | BKFH | 111 | 14 | | | |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 1 | 7 | BKFH | 95 | 11 | | | |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 1 | 8 | BKFH | 93 | 9 | | | |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 1 | 9 | LSCS | 111 | 12 | I | 1 | 1 |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 1 | 10 | RDWF | 121 | 15 | F | | 1 |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 1 | 11 | RDWF | 123 | 17 | M | | |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 1 | 12 | BDWF | 95 | 9 | I | 1 | 0 |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 1 | 13 | BDWF | 101 | 12 | I | 1 | 0 |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 1 | 14 | BDWF | 100 | 12 | I | 1 | 0 |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 1 | 15 | BDWF | 100 | 12 | I | 1 | 0 |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 2 | 16 | BKFH | 125 | 26 | | | |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 2 | 17 | LSCS | 147 | 33 | F | 1 | 1 |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 2 | 18 | LSCS | 160 | 40 | F | 1 | 2 |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 2 | 19 | BDWF | 145 | 35 | M | 1 | 1 |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 3 | 20 | BKFH | 122 | 23 | | | |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 3 | 21 | BDWF | 152 | 40 | F | 1 | 1 |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 3 | 22 | BDWF | 162 | 53 | M | 1 | 1 |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 3 | 23 | BDWF | 166 | 58 | F | 1 | 1 |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 3 | 24 | BDWF | 152 | 46 | M | 1 | 1 |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 3 | 25 | BDWF | 462 | 1456 | M | 1 | 10 |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 3 | 26 | BDWF | 157 | 43 | M | 1 | 1 |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 4 | 27 | LSCS | 234 | 157 | M | 1 | 4 |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 4 | 28 | LSCS | 317 | 444 | F | 3 | 8 |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 4 | 29 | BDWF | 204 | 105 | M | 1 | 2 |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 4 | 30 | BDWF | 251 | 213 | F | 1 | 4 |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 5 | 31 | BDWF | 341 | 589 | M | 1 | 7 |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 5 | 32 | LSCS | 317 | 398 | F | 2 | 5 |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 5 | 33 | LSCS | 321 | 345 | F | 5 | 13 |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 6 | 34 | BDWF | 513 | 2123 | M | 2 | 23 |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 6 | 35 | BDWF | 477 | 1634 | M | 1 | 14 |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 6 | 36 | BDWF | 411 | 1048 | F | 1 | 9 |

Appendix Table 17. Biological data obtained from fish collected during 1991-1993 gillnet sampling in the Colville River delta.

| Set Number | Method | Station | Habitat | Date Checked | Time Checked | Panel Number | Fish Number | Species | Fork Length (mm) | Weight (gm) | Sex | Maturity | Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 6 | 37 | HBWF | 350 | 664 | F | 2 | 10 |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 6 | 38 | BDWF | 372 | 735 | M | 1 | 7 |
| 9304 | Gillnet | 9305 | IL | 10/31/93 | 15:30 | 6 | 39 | BRBT | 379 | 310 | F | 1 | 4 |
| 9304 | MinTrap | 9305 | IL | 10/31/93 | 15:30 | M | 40 | BRBT | 56 | 2 | I | 1 | 0 |
| 9305 | Gillnet | 9304 | IL | 10/31/93 | 14:15 | 4 | 1 | LSCS | 338 | 283 | F | 2 | 16 |
| 9305 | Gillnet | 9304 | IL | 10/31/93 | 14:15 | 4 | 2 | LSCS | 267 | 169 | M | 2 | 5 |
| 9305 | Gillnet | 9304 | IL | 10/31/93 | 14:15 | 6 | 3 | BRBT | 500 | 742 | F | 1 | 7 |
| 9305 | Gillnet | 9304 | IL | 10/31/93 | 14:15 | 6 | 4 | BDWF | 377 | 726 | M | 1 | 6 |
| 9305 | Gillnet | 9304 | IL | 10/31/93 | 14:15 | 6 | 5 | LSCS | 373 | 583 | M | 5 | 14 |
| 9305 | Gillnet | 9304 | IL | 10/31/93 | 14:15 | 5 | 6 | LSCS | 326 | 359 | F | 3 | 14 |
| 9305 | Gillnet | 9304 | IL | 10/31/93 | 14:15 | 5 | 7 | LSCS | 368 | 504 | F | 2 | 13 |
| 9305 | Gillnet | 9304 | IL | 10/31/93 | 14:15 | 5 | 8 | LSCS | 380 | 447 | M | 5 | 12 |
| 9305 | Gillnet | 9304 | IL | 10/31/93 | 14:15 | 5 | 9 | LSCS | 354 | 414 | M | 5 | 9 |
| 9305 | Gillnet | 9304 | IL | 10/31/93 | 14:15 | 5 | 10 | LSCS | 353 | 352 | M | 5 | 20 |
| 9305 | Gillnet | 9304 | IL | 10/31/93 | 14:15 | 5 | 11 | LSCS | 357 | 460 | M | 5 | 14 |
| 9305 | Gillnet | 9304 | IL | 10/31/93 | 14:15 | 5 | 12 | LSCS | 334 | 380 | M | 5 | 13 |
| 9305 | Gillnet | 9304 | IL | 10/31/93 | 14:15 | 5 | 13 | LSCS | 353 | 463 | M | 5 | 12 |
| 9305 | Gillnet | 9304 | IL | 10/31/93 | 14:15 | 5 | 14 | LSCS | 348 | 391 | M | 5 | 15 |
| 9305 | Gillnet | 9304 | IL | 10/31/93 | 14:15 | 5 | 15 | LSCS | 331 | 346 | F | 2 | 11 |
| 9305 | Gillnet | 9304 | IL | 10/31/93 | 14:15 | 5 | 16 | LSCS | 343 | 397 | M | 2 | 12 |
| 9305 | Gillnet | 9304 | IL | 10/31/93 | 14:15 | 5 | 17 | LSCS | 335 | 363 | F | 3 | 12 |
| 9305 | Gillnet | 9304 | IL | 10/31/93 | 14:15 | 5 | 18 | LSCS | 330 | 352 | M | 2 | 12 |
| 9305 | Gillnet | 9304 | IL | 10/31/93 | 14:15 | 5 | 19 | LSCS | 323 | 352 | M | 2 | 14 |
| 9305 | Gillnet | 9304 | IL | 10/31/93 | 14:15 | 5 | 20 | LSCS | 343 | 415 | M | 5 | 14 |
| 9305 | Gillnet | 9304 | IL | 10/31/93 | 14:15 | 5 | 21 | LSCS | 361 | 404 | M | 2 | 12 |
| 9305 | Gillnet | 9304 | IL | 10/31/93 | 14:15 | 5 | 22 | RDWF | 346 | 425 | F | 2 | 7 |
| 9305 | Gillnet | 9304 | IL | 10/31/93 | 14:15 | 5 | 23 | RDWF | 344 | 463 | M | 1 | 7 |
| 9305 | Gillnet | 9304 | IL | 10/31/93 | 14:15 | 5 | 24 | BDWF | 343 | 524 | M | 1 | 5 |
| 9305 | Gillnet | 9304 | IL | 10/31/93 | 14:15 | 5 | 25 | BRBT | 400 | 358 | M | 1 | 6 |
| 9306 | Gillnet | 9306 | IL | 11/2/93 | 10:15 | 3 | 1 | LSCS | 204 | 85 | M | 1 | 3 |
| 9306 | Gillnet | 9306 | IL | 11/2/93 | 10:15 | 3 | 2 | LSCS | 231 | 117 | F | 1 | 4 |
| 9306 | Gillnet | 9306 | IL | 11/2/93 | 10:15 | 3 | 3 | LSCS | 238 | 125 | M | 1 | 4 |
| 9306 | Gillnet | 9306 | IL | 11/2/93 | 10:15 | 3 | 4 | LSCS | 232 | 121 | F | 1 | 4 |
| 9306 | Gillnet | 9306 | IL | 11/2/93 | 10:15 | 3 | 5 | LSCS | 205 | 78 | M | 1 | 3 |
| 9306 | Gillnet | 9306 | IL | 11/2/93 | 10:15 | 3 | 6 | LSCS | 173 | 51 | M | 1 | 3 |
| 9306 | Gillnet | 9306 | IL | 11/2/93 | 10:15 | 4 | 7 | LSCS | 227 | 107 | M | 1 | 3 |
| 9306 | Gillnet | 9306 | IL | 11/2/93 | 10:15 | 4 | 8 | LSCS | 226 | 117 | F | 1 | 4 |
| 9306 | Gillnet | 9306 | IL | 11/2/93 | 10:15 | 4 | 9 | LSCS | 252 | 158 | M | 2 | 6 |
| 9306 | Gillnet | 9306 | IL | 11/2/93 | 10:15 | 4 | 10 | LSCS | 252 | 147 | F | 1 | 6 |
| 9306 | Gillnet | 9306 | IL | 11/2/93 | 10:15 | 5 | 11 | LSCS | 288 | 246 | M | 2 | 13 |
| 9306 | Gillnet | 9306 | IL | 11/2/93 | 10:15 | 5 | 12 | BDWF | 280 | 296 | F | 1 | 5 |
| 9306 | Gillnet | 9306 | IL | 11/2/93 | 10:15 | 5 | 13 | BDWF | 335 | 480 | F | 1 | 8 |
| 9306 | Gillnet | 9306 | IL | 11/2/93 | 10:15 | 5 | 14 | BDWF | 273 | 261 | M | 1 | 5 |
| 9306 | Gillnet | 9306 | IL | 11/2/93 | 10:15 | 5 | 15 | BDWF | 406 | 852 | M | 1 | 12 |
| 9306 | Gillnet | 9306 | IL | 11/2/93 | 10:15 | 5 | 16 | BDWF | 388 | 727 | F | 1 | 14 |
| 9306 | Gillnet | 9306 | IL | 11/2/93 | 10:15 | 6 | 17 | BDWF | 445 | 1250 | F | 2 | 13 |
| 9306 | Gillnet | 9306 | IL | 11/2/93 | 10:15 | 6 | 18 | BDWF | 420 | 801 | M | 1 | 12 |
| 9306 | Gillnet | 9306 | IL | 11/2/93 | 10:15 | 4 | 19 | BRBT | 647 | 1495 | F | 2 | 17 |

Appendix Table 17. Biological data obtained from fish collected during 1991-1993 gillnet sampling in the Colville River delta.

| Set Number | Method | Station | Habitat | Date Checked | Time Checked | Panel Number | Fish Number | Species | Fork Length (mm) | Weight (gm) | Sex | Maturity | Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 5 | 1 | LSCS | 402 | 851 | F | 3 | 11 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 5 | 2 | LSCS | 385 | 618 | F | 2 | 9 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 5 | 3 | LSCS | 372 | 681 | F | 4 | 8 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 5 | 4 | LSCS | 373 | 797 | F | 4 | 12 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 5 | 5 | LSCS | 370 | 518 | M | 5 | 7 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 5 | 6 | LSCS | 345 | 469 | M | 5 | 8 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 5 | 7 | LSCS | 354 | 496 | M | 5 | 8 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 5 | 8 | LSCS | 340 | 403 | M | 5 | 14 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 5 | 9 | LSCS | 336 | 426 | M | 5 | 8 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 5 | 10 | LSCS | 340 | 418 | F | 2 | 6 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 5 | 11 | LSCS | 336 | 381 | F | 2 | 6 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 5 | 12 | LSCS | 325 | 348 | F | 1 | 7 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 5 | 13 | LSCS | 286 | 235 | M | 1 | 5 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 5 | 14 | LSCS | 382 | 700 | M | 5 | 10 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 5 | 15 | LSCS | 392 | 758 | M | 5 | 11 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 5 | 16 | LSCS | 375 | 624 | F | 4 | 9 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 5 | 17 | LSCS | 378 | 706 | M | 4 | 8 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 5 | 18 | LSCS | 391 | 695 | F | 4 | 10 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 5 | 19 | LSCS | 386 | 665 | M | 4 | 9 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 5 | 20 | LSCS | 375 | 578 | M | 4 | 13 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 5 | 21 | LSCS | 360 | 533 | M | 4 | 15 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 5 | 22 | LSCS | 342 | 473 | M | 5 | 8 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 5 | 23 | LSCS | 343 | 531 | F | 4 | 7 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 5 | 24 | LSCS | 354 | 490 | F | 2 | 9 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 5 | 25 | LSCS | 358 | 452 | M | 5 | 7 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 5 | 26 | LSCS | 348 | 449 | | | 9 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 5 | 27 | LSCS | 329 | 388 | | | 8 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 5 | 28 | LSCS | 333 | 406 | | | 5 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 6 | 29 | LSCS | 430 | 1099 | | | 13 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 6 | 30 | LSCS | 427 | 883 | | | 12 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 6 | 31 | LSCS | 418 | 844 | | | 11 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 6 | 32 | LSCS | 374 | 681 | | | 8 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 6 | 33 | LSCS | 368 | 572 | | | |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 6 | 34 | LSCS | 380 | 687 | | | 15 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 6 | 35 | BDWF | 370 | 711 | | | 5 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 4 | 36 | LSCS | 381 | 609 | | | 8 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 4 | 37 | LSCS | 325 | 397 | | | 7 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 4 | 38 | LSCS | 325 | 301 | | | 7 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 4 | 39 | LSCS | 267 | 205 | | | 4 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 4 | 40 | LSCS | 286 | 252 | | | 5 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 4 | 41 | LSCS | 307 | 287 | | | 4 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 4 | 42 | LSCS | 263 | 174 | | | 4 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 3 | 43 | LSCS | 256 | 171 | | | 4 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 3 | 44 | LSCS | 248 | 167 | | | 4 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 3 | 45 | LSCS | 255 | 178 | | | 4 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 3 | 46 | LSCS | 188 | 75 | | | 3 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 3 | 47 | LSCS | 204 | 85 | | | 3 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 3 | 48 | LSCS | 245 | 149 | | | 4 |

Appendix Table 17. Biological data obtained from fish collected during 1991-1993 gillnet sampling in the Colville River delta.

| Set Number | Method | Station | Habitat | Date Checked | Time Checked | Panel Number | Fish Number | Species | Fork Length (mm) | Weight (gm) | Sex | Maturity | Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 3 | 49 | LSCS | 207 | 92 | | | 3 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 1 | 50 | LSCS | 132 | 26 | | | 1 |
| 9307 | Gillnet | 9307 | IL | 11/2/93 | 11:00 | 1 | 51 | BKFH | 99 | 14 | | | |
| 9307 | MinTrap | 9307 | IL | 11/2/93 | 11:00 | M | 52 | BKFH | 67 | 5 | | | |
| 9307 | MinTrap | 9307 | IL | 11/2/93 | 11:00 | M | 53 | BKFH | 100 | 13 | | | |
| 9307 | MinTrap | 9307 | IL | 11/2/93 | 11:00 | M | 54 | BKFH | 94 | 10 | | | |
| 9307 | MinTrap | 9307 | IL | 11/2/93 | 11:00 | M | 55 | BKFH | 76 | 6 | | | |
| 9307 | MinTrap | 9307 | IL | 11/2/93 | 11:00 | M | 56 | BKFH | 67 | 4 | | | |
| 9308 | Gillnet | 9309 | IL | 11/3/93 | 10:30 | 1 | 1 | BKFH | 97 | 12 | | | |
| 9308 | Gillnet | 9309 | IL | 11/3/93 | 10:30 | 5 | 2 | LSCS | 326 | 390 | F | 3 | 11 |
| 9308 | MinTrap | 9309 | IL | 11/3/93 | 10:30 | M | 3 | BKFH | 87 | 7 | | | |
| 9308 | MinTrap | 9309 | IL | 11/3/93 | 10:30 | M | 4 | BKFH | 94 | 10 | | | |
| 9308 | MinTrap | 9309 | IL | 11/3/93 | 10:30 | M | 5 | BKFH | 91 | 9 | | | |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 3 | 1 | LSCS | 233 | 122 | F | 1 | 6 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 3 | 2 | LSCS | 220 | 103 | F | 1 | 4 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 3 | 3 | LSCS | 240 | 147 | M | 2 | 7 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 3 | 4 | LSCS | 220 | 109 | M | 1 | 5 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 3 | 5 | LSCS | 233 | 132 | F | 1 | 5 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 3 | 6 | LSCS | 208 | 92 | M | 1 | 5 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 3 | 7 | LSCS | 229 | 114 | F | 2 | 5 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 3 | 8 | LSCS | 219 | 109 | F | 1 | 5 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 3 | 9 | LSCS | 220 | 110 | F | 1 | 6 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 3 | 10 | LSCS | 210 | 96 | M | 1 | 5 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 3 | 11 | LSCS | 237 | 139 | M | 2 | 5 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 3 | 12 | LSCS | 235 | 138 | M | 2 | 5 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 3 | 13 | LSCS | 214 | 113 | M | 1 | 6 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 3 | 14 | LSCS | 193 | 70 | M | 1 | 5 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 3 | 15 | LSCS | 225 | 123 | M | 2 | 6 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 3 | 16 | LSCS | 221 | 114 | M | 1 | 5 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 1 | 17 | LSCS | 113 | 14 | M | 1 | 1 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 4 | 18 | LSCS | 312 | 283 | M | 5 | 17 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 4 | 19 | LSCS | 298 | 273 | F | 3 | 10 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 4 | 20 | LSCS | 267 | 187 | F | 1 | 8 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 4 | 21 | LSCS | 291 | 226 | M | 3 | 14 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 4 | 22 | LSCS | 283 | 221 | M | 3 | 17 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 4 | 23 | LSCS | 300 | 252 | M | 3 | 12 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 4 | 24 | LSCS | 295 | 238 | M | 2 | 14 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 4 | 25 | LSCS | 296 | 352 | M | 3 | 14 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 4 | 26 | LSCS | 301 | 251 | M | 3 | 14 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 4 | 27 | LSCS | 310 | 274 | F | 5 | 12 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 4 | 28 | LSCS | 301 | 270 | M | 5 | 12 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 4 | 29 | LSCS | 224 | 119 | F | 1 | 5 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 4 | 30 | LSCS | 292 | 273 | F | 3 | 10 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 4 | 31 | LSCS | 228 | 124 | F | 1 | 6 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 4 | 32 | LSCS | 267 | 196 | M | 5 | 7 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 4 | 33 | LSCS | 288 | 234 | M | 2 | 12 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 4 | 34 | LSCS | 245 | 151 | F | 1 | 7 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 4 | 35 | LSCS | 246 | 155 | M | 1 | 7 |

Appendix Table 17. Biological data obtained from fish collected during 1991-1993 gillnet sampling in the Colville River delta.

| Set Number | Method | Station | Habitat | Date Checked | Time Checked | Panel Number | Fish Number | Species | Fork Length (mm) | Weight (gm) | Sex | Maturity | Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 4 | 36 | LSCS | 251 | 167 | M | 2 | 8 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 4 | 37 | LSCS | 237 | 140 | M | 2 | 6 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 4 | 38 | LSCS | 224 | 117 | F | 1 | 6 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 4 | 39 | LSCS | 302 | 270 | F | 2 | 14 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 4 | 40 | LSCS | 295 | 255 | M | 3 | 13 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 4 | 41 | LSCS | 227 | 129 | M | 1 | 6 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 4 | 42 | LSCS | 237 | 131 | F | 1 | 5 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 5 | 43 | LSCS | 307 | 299 | M | 5 | 15 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 5 | 44 | LSCS | 312 | 300 | M | 3 | |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 5 | 45 | LSCS | 334 | 359 | F | 2 | 14 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 5 | 46 | LSCS | 314 | 326 | M | 3 | 15 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 5 | 47 | LSCS | 314 | 289 | M | 2 | 14 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 5 | 48 | LSCS | 298 | 252 | M | 3 | 17 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 5 | 49 | LSCS | 344 | 429 | M | 3 | 19 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 5 | 50 | LSCS | 290 | 258 | M | 2 | 13 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 5 | 51 | LSCS | 296 | 303 | M | 3 | 13 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 5 | 52 | LSCS | 311 | 304 | M | 2 | 14 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 5 | 53 | LSCS | 317 | 319 | M | 3 | 12 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 5 | 54 | LSCS | 314 | 309 | M | 2 | 12 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 5 | 55 | LSCS | 309 | 331 | M | 5 | 11 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 5 | 56 | LSCS | 307 | 282 | M | 3 | 13 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 5 | 57 | LSCS | 295 | 277 | M | 3 | 13 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 5 | 58 | LSCS | 300 | 257 | M | 2 | 13 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 5 | 59 | LSCS | 303 | 298 | F | 2 | 12 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 5 | 60 | LSCS | 308 | 281 | M | 2 | 17 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 5 | 61 | LSCS | 289 | 266 | F | 2 | 14 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 5 | 62 | LSCS | 321 | 335 | M | 3 | 24 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 5 | 63 | LSCS | 366 | 644 | F | 4 | 16 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 6 | 64 | LSCS | 380 | 631 | F | 5 | 31 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 6 | 65 | BDWF | 390 | 776 | M | 1 | 9 |
| 9309 | Gillnet | 9308 | IL | 11/3/93 | 11:15 | 6 | 66 | BDWF | 430 | 1119 | M | 1 | 14 |
| 9310 | Gillnet | 9310 | IL | 11/4/93 | 10:40 | 2 | 1 | BKFH | 122 | 28 | | | |
| 9310 | Gillnet | 9310 | IL | 11/4/93 | 10:40 | M | 2 | BKFH | 93 | 9 | – | | |
| 9310 | Gillnet | 9310 | IL | 11/4/93 | 10:40 | 1 | 3 | ARCS | 122 | 18 | M | 1 | 1 |
| 9310 | Gillnet | 9310 | IL | 11/4/93 | 10:40 | 1 | 4 | BKFH | 91 | 10 | | | |
| 9310 | Gillnet | 9310 | IL | 11/4/93 | 10:40 | 1 | 5 | BKFH | 98 | 12 | | | |
| 9310 | Gillnet | 9310 | IL | 11/4/93 | 10:40 | 1 | 6 | BKFH | 95 | 10 | | | |
| 9310 | Gillnet | 9310 | IL | 11/4/93 | 10:40 | 1 | 7 | BKFH | 93 | 9 | | | |
| 9310 | Gillnet | 9310 | IL | 11/4/93 | 10:40 | 1 | 8 | BKFH | 101 | 14 | | | |
| 9310 | Gillnet | 9310 | IL | 11/4/93 | 10:40 | 1 | 9 | BKFH | 96 | 11 | | | |
| 9310 | Gillnet | 9310 | IL | 11/4/93 | 10:40 | 1 | 10 | BKFH | 98 | 11 | | | |
| 9310 | Gillnet | 9310 | IL | 11/4/93 | 10:40 | 1 | 11 | BKFH | 90 | 9 | | | |
| 9310 | Gillnet | 9310 | IL | 11/4/93 | 10:40 | 1 | 12 | BKFH | 95 | 11 | | | |
| 9310 | Gillnet | 9310 | IL | 11/4/93 | 10:40 | 1 | 13 | BKFH | 91 | 10 | | | |
| 9310 | Gillnet | 9310 | IL | 11/4/93 | 10:40 | 1 | 14 | BKFH | 94 | 11 | | | |
| 9311 | Gillnet | 9311 | TL | 11/4/93 | 10:10 | 2 | 1 | ARCS | 154 | 42 | M | 1 | 1 |
| 9311 | Gillnet | 9311 | TL | 11/4/93 | 10:10 | 1 | 2 | BKFH | 92 | 11 | | | |
| 9312 | Gillnet | 9312 | IL | 11/5/93 | 10:10 | 3 | 1 | LSCS | 191 | 65 | F | 1 | 3 |

Appendix Table 17. Biological data obtained from fish collected during 1991-1993 gillnet sampling in the Colville River delta.

| Set Number | Method | Station | Habitat | Date Checked | Time Checked | Panel Number | Fish Number | Species | Fork Length (mm) | Weight (gm) | Sex | Maturity | Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9312 | Gillnet | 9312 | IL | 11/5/93 | 10:10 | 3 | 2 | LSCS | 188 | 54 | F | 1 | 3 |
| 9312 | Gillnet | 9312 | IL | 11/5/93 | 10:10 | 4 | 3 | LSCS | 250 | 160 | M | 1 | 4 |
| 9312 | Gillnet | 9312 | IL | 11/5/93 | 10:10 | 4 | 4 | LSCS | 312 | 328 | M | 4 | 11 |
| 9312 | Gillnet | 9312 | IL | 11/5/93 | 10:10 | 5 | 5 | LSCS | 400 | 696 | F | 5 | 10 |
| 9312 | Gillnet | 9312 | IL | 11/5/93 | 10:10 | 5 | 6 | LSCS | 323 | 362 | M | 5 | 7 |
| 9312 | Gillnet | 9312 | IL | 11/5/93 | 10:10 | 5 | 7 | LSCS | 280 | 244 | M | 2 | 8 |
| 9312 | Gillnet | 9312 | IL | 11/5/93 | 10:10 | 5 | 8 | LSCS | 316 | 327 | M | 2 | 10 |
| 9312 | Gillnet | 9312 | IL | 11/5/93 | 10:10 | 5 | 9 | LSCS | 342 | 379 | F | 2 | 9 |
| 9312 | Gillnet | 9312 | IL | 11/5/93 | 10:10 | 5 | 10 | LSCS | 340 | 397 | F | 4 | 10 |
| 9312 | Gillnet | 9312 | IL | 11/5/93 | 10:10 | 5 | 11 | LSCS | 360 | 479 | F | 2 | 11 |
| 9312 | Gillnet | 9312 | IL | 11/5/93 | 10:10 | 5 | 12 | LSCS | 343 | 417 | F | 5 | 10 |
| 9312 | Gillnet | 9312 | IL | 11/5/93 | 10:10 | 5 | 13 | LSCS | 337 | 354 | F | 5 | 9 |
| 9312 | Gillnet | 9312 | IL | 11/5/93 | 10:10 | 5 | 14 | LSCS | 340 | 414 | M | 5 | 11 |
| 9312 | Gillnet | 9312 | IL | 11/5/93 | 10:10 | 5 | 15 | LSCS | 339 | 382 | M | 5 | 11 |
| 9312 | Gillnet | 9312 | IL | 11/5/93 | 10:10 | 5 | 16 | LSCS | 339 | 480 | F | 4 | 10 |
| 9312 | Gillnet | 9312 | IL | 11/5/93 | 10:10 | 5 | 17 | LSCS | 310 | 319 | M | 2 | 8 |
| 9312 | Gillnet | 9312 | IL | 11/5/93 | 10:10 | 5 | 18 | LSCS | 328 | 344 | F | 5 | 7 |
| 9312 | Gillnet | 9312 | IL | 11/5/93 | 10:10 | 5 | 19 | LSCS | 324 | 335 | F | 3 | 9 |
| 9312 | Gillnet | 9312 | IL | 11/5/93 | 10:10 | 5 | 20 | LSCS | 328 | 402 | F | 4 | 9 |
| 9312 | Gillnet | 9312 | IL | 11/5/93 | 10:10 | 5 | 21 | LSCS | 310 | 338 | F | 2 | 7 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 1 | 1 | LSCS | 138 | 20 | M | 1 | 3 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 1 | 2 | LSCS | 303 | 282 | F | 4 | 11 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 3 | 3 | LSCS | 218 | 96 | M | 1 | 5 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 3 | 4 | LSCS | 222 | 93 | F | 1 | 6 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 3 | 5 | LSCS | 236 | 112 | F | 1 | 5 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 6 | 6 | LSCS | 343 | 751 | F | 4 | 16 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 6 | 7 | LSCS | 386 | 618 | F | 5 | 14 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 6 | 8 | LSCS | 406 | 625 | F | 5 | 23 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 4 | 9 | LSCS | 309 | 246 | M | 5 | 15 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 4 | 10 | LSCS | 301 | 233 | M | 4 | 13 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 4 | 11 | LSCS | 363 | 478 | F | 4 | 13 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 4 | 12 | LSCS | 320 | 294 | M | 4 | 12 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 4 | 13 | LSCS | 310 | 265 | F | 4 | 11 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 4 | 14 | LSCS | 312 | 286 | M | 4 | 9 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 4 | 15 | LSCS | 338 | 356 | F | 4 | 11 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 4 | 16 | LSCS | 275 | 162 | F | 2 | 9 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 4 | 17 | LSCS | 313 | 256 | F | 1 | 8 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 4 | 18 | LSCS | 304 | 257 | M | 2 | 15 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 4 | 19 | LSCS | 282 | 155 | M | 2 | 8 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 4 | 20 | LSCS | 294 | 221 | M | 5 | 9 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 4 | 21 | LSCS | 326 | 356 | F | 2 | 15 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 4 | 22 | LSCS | 343 | 351 | M | 5 | 12 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 4 | 23 | LSCS | 301 | 226 | M | 5 | 11 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 4 | 24 | LSCS | 288 | 208 | F | 4 | 11 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 4 | 25 | LSCS | 328 | 357 | F | 4 | 13 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 4 | 26 | LSCS | 351 | 359 | F | 5 | 14 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 4 | 27 | LSCS | 301 | 267 | M | 5 | 9 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 4 | 28 | LSCS | 318 | 289 | F | 2 | 12 |

Appendix Table 17. Biological data obtained from fish collected during 1991-1993 gillnet sampling in the Colville River delta.

| Set Number | Method | Station | Habitat | Date Checked | Time Checked | Panel Number | Fish Number | Species | Fork Length (mm) | Weight (gm) | Sex | Maturity | Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 4 | 29 | LSCS | 292 | 240 | M | 2 | 9 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 4 | 30 | LSCS | 268 | 164 | M | 2 | 8 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 4 | 31 | LSCS | 305 | 223 | F | 1 | 11 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 4 | 32 | LSCS | 315 | 303 | M | 5 | 11 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 4 | 33 | LSCS | 319 | 290 | M | 5 | 7 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 4 | 34 | LSCS | 281 | 196 | M | 4 | 9 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 4 | 35 | LSCS | 310 | 288 | F | 2 | 14 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 4 | 36 | LSCS | 300 | 252 | M | 2 | 9 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 4 | 37 | LSCS | 275 | 160 | M | 1 | 9 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 4 | 38 | LSCS | 285 | 210 | M | 2 | 10 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 4 | 39 | LSCS | 284 | 190 | F | 5 | 10 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 4 | 40 | LSCS | 326 | 325 | M | 4 | 12 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 4 | 41 | LSCS | 291 | 192 | F | 1 | 11 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 4 | 42 | LSCS | 245 | 129 | F | 1 | 8 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 4 | 43 | LSCS | 250 | 132 | F | 1 | 7 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 4 | 44 | LSCS | 320 | 267 | F | 2 | 13 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 5 | 45 | LSCS | 367 | 524 | M | 5 | 19 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 5 | 46 | LSCS | 318 | 342 | F | 4 | 10 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 5 | 47 | LSCS | 323 | 316 | M | 1 | 11 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 5 | 48 | LSCS | 367 | 441 | F | 5 | 22 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 5 | 49 | LSCS | 356 | 446 | F | 5 | 19 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 5 | 50 | LSCS | 325 | 313 | M | 5 | 16 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 5 | 51 | LSCS | 312 | 289 | F | 2 | 13 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 5 | 52 | LSCS | 335 | 348 | F | 5 | 12 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 5 | 53 | LSCS | 326 | 298 | M | 4 | 12 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 5 | 54 | LSCS | 315 | 310 | M | 2 | 12 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 5 | 55 | LSCS | 383 | 597 | M | 5 | 21 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 5 | 56 | LSCS | 351 | 454 | F | 4 | 14 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 5 | 57 | LSCS | 295 | 269 | M | 5 | 8 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 5 | 58 | LSCS | 308 | 269 | M | 5 | 9 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 5 | 59 | LSCS | 334 | 361 | M | 4 | 16 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 5 | 60 | LSCS | 330 | 369 | F | 4 | 12 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 5 | 61 | LSCS | 346 | 412 | F | 5 | 14 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 5 | 62 | LSCS | 330 | 304 | F | 1 | 12 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 5 | 63 | LSCS | 351 | 378 | F | 5 | 16 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 5 | 64 | LSCS | 349 | 459 | F | 4 | 16 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 5 | 65 | LSCS | 304 | 266 | M | 5 | 12 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 5 | 66 | LSCS | 330 | 342 | M | 2 | 15 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 5 | 67 | LSCS | 350 | 413 | M | 4 | 13 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 5 | 68 | LSCS | 366 | 513 | M | 5 | 14 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 5 | 69 | LSCS | 309 | 263 | M | 5 | 14 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 5 | 70 | LSCS | 320 | 342 | M | 4 | 11 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 5 | 71 | LSCS | 338 | 415 | F | 4 | 12 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 5 | 72 | LSCS | 367 | 514 | M | 5 | 17 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 5 | 73 | LSCS | 325 | 357 | M | 5 | 15 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 5 | 74 | LSCS | 350 | 365 | F | 5 | 17 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 5 | 75 | LSCS | 336 | 448 | M | 5 | 16 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 5 | 76 | LSCS | 326 | 331 | M | 5 | 12 |

Appendix Table 17. Biological data obtained from fish collected during 1991-1993 gillnet sampling in the Colville River delta.

| Set Number | Method | Station | Habitat | Date Checked | Time Checked | Panel Number | Fish Number | Species | Fork Length (mm) | Weight (gm) | Sex | Maturity | Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 5 | 77 | LSCS | 309 | 282 | F | 4 | 10 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 5 | 78 | LSCS | 340 | 412 | F | 4 | 15 |
| 9313 | Gillnet | 9313 | IL | 11/5/93 | 10:40 | 5 | 79 | LSCS | 371 | 555 | M | 5 | 17 |

Species:
ARCS = Arctic cisco
LSCS = least cisco
BDWF = broad whitefish
HBWF = humpback whitefish
RDWF = round whitefish
BKFH = Alaska blackfish
BRBT = burbot
RBSM = rainbow smelt
FHSC = fourhorn sculpin

Panel 1 = 1.00 in (25 mm) mesh
Panel 2 = 1.25 in (32 mm)
Panel 3 = 1.63 in (41 mm)
Panel 4 = 2.06 in (52 mm)
Panel 5 = 2.75 in (70 mm)
Panel 6 = 3.50 in (89 mm)

Method:
Gillnet = variable mesh gillnet
MinTrap = minnow trap

Habitat:
RC = river channel
TL = lake connected to a river channel
IL = lake not connected to a river channel