



## Advisory Announcement

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### **2023 Yukon River Salmon Fall Fishery Announcement #18** **Fall Update #10, Yukon Area Salmon Fishery**

The Yukon River fall chum salmon run is the fifth lowest on record (1974–2022), while the coho salmon run is the second lowest (1995–2022). The fall chum salmon run is projected to be just under 300,000 fish compared to a historical run size of 1 million fish. The coho salmon run is projected to be near 65,000 fish compared to a historical run size of 222,000 fish.

The Teedriinjik (Chandalar River) goal of 85,000–234,000 fall chum salmon was met and subsistence fishing for fall chum salmon was opened in this river in mid-September. The other Yukon River and Canadian-origin fall chum salmon stocks are poor and unlikely to be meet escapement goals; therefore, the remainder of the middle and upper Yukon River drainage remains closed to subsistence, personal use, sport, and commercial fishing for fall chum and coho salmon. As fall chum and coho salmon runs are nearing completion in the lower Yukon River, fishing restrictions will be lifted beginning in the Lower Yukon. Closures will remain in effect in important salmon spawning drainages through December.

Daily, cumulative, and historical data for most of the assessment projects listed can be accessed online at [www.adfg.alaska.gov/yukonfishcounts](http://www.adfg.alaska.gov/yukonfishcounts).

#### **Fall Assessment Projects**

Updated with data through September 24.

##### Sonar Project near Pilot Station / ADF&G

This project concluded on September 7. Genetic mixed stock analysis (MSA) was applied to the sonar passage counts and resulted in an estimate of 290,000 fall chum salmon that have entered the river since July 19. This level of passage is below the median cumulative passage of 947,000 fall chum salmon. The cumulative passage of coho salmon is approximately 50,000, which is well below the median of 187,000 fish.

##### Teedriinjik (Chandalar) Sonar / USFWS

The sonar project began operations on August 8 and has a cumulative passage of 118,000 fall chum salmon, which is below the median passage of 168,000 fish. Historically the fall chum salmon run is 88% complete by this date. The Teedriinjik escapement goal range of 85,000–234,000 fall chum salmon has been achieved.

##### Sheenjiek River Sonar / ADF&G

The sonar project began operations on August 6 and has a cumulative passage of 12,600 fall chum salmon, which is below the median passage of 70,700 fish. Historically the fall chum salmon run is 85% complete by this date.

### Eagle Sonar / ADF&G and Department of Fisheries and Oceans (DFO)

This project transitioned to counting fall chum salmon on August 28 and has a cumulative passage of 13,700 fish, which is below the median passage of 85,400 fish. The historical median three-quarter point for fall chum salmon typically occurs on September 30 at this project.

### Porcupine River Sonar / Yukon Territory Canada / DFO

This sonar project transitioned to counting fall chum salmon on August 20 and has a cumulative passage of 11,800 fish, which is below the median passage of 21,000 fish. The historical average three-quarter point for fall chum salmon typically occurs on September 24 at this project.

### Fishing Branch River Weir/Sonar / Yukon Territory Canada / DFO

This project began operations on August 30 and the cumulative passage of 4,100 fall chum salmon, which is below the median passage of 14,500 fish. The historical median three-quarter point for fall chum salmon typically occurs on September 30 at this project.

## **Stock Identification**

Genetic mixed stock analysis on chum salmon has concluded for the season. The estimates from the entire fall season, from July 19 through September 7, that passed the mainstem Yukon River sonar, contained approximately 22% summer chum and 78% fall chum salmon. The fall component entering after July 19, were comprised of 41% Border/US (Teedriinjik/Sheenjek/Draanjik), 17% Canadian, and 42% Tanana Fall stocks. The Canadian proportion is below the long-term average and is tracking with the poorer stock composition observed for Canada in the recent three years.

## **Age, Sex, and Length Composition**

The age composition of 651 chum salmon sampled from the drift gillnets in the LYTF project through September 10, consisted of 78% age-4 and 18% age-5 fish, which compared to the 1983–2022 historical averages of 66% age-4 and 30% age-5. The percentage of female chum salmon through September 10 was 55%, which is below the 1986–2022 historical average of 58%. The average length of 572 mm is well below the 1981–2022 historical average of 592 mm. However, they are much larger than the previous two years.

The age composition of 126 coho salmon sampled from the drift gillnets in the LYTF project through September 10, consisted of 21% age-3 and 77% age-4 and 2% age-5 fish, which compared to the 1983–2022 historical averages of 16% age-3, 76% age-4, and 5% age-5. The percentage of female chum salmon through September 10 was 40%, which is below the 1986–2022 historical average of 47%. The average length of 540 mm is well below the 1981–2022 historical average of 575 mm.

## **Subsistence Management Actions**

### **Nonsalmon**

Harvest of nonsalmon with 4-inch or smaller mesh set gillnets of 60 feet or shorter length is allowed in all subsistence areas. Fishermen should fish this nonsalmon gear in areas where resident species are more likely to be encountered. Harvest of nonsalmon with 6-inch or smaller mesh set gillnets of 60 feet or shorter is allowed in Lake Minchumina and in the Tolovana River drainage, including Minto Flats (see fishing permit requirements). Other legal gear types to take nonsalmon include hook and line with a rod or pole (excluding District 6), hand line, longline, fyke net, dip net, beach seine, and spear. If closures are in place for a salmon species, they must be released alive immediately from nonsalmon gear (other than gillnets).

## Salmon

### **Coastal District and Districts 1-3** (including Chevak through Holy Cross and the Innoko River):

Effective at the dates and times listed below, subsistence fishing for all species will be open 24 hours per day, 7 days per week with 7.5-inch or smaller mesh gillnets and all other legal salmon gear. All fish caught may be retained. Gillnet lengths will no longer be restricted to 60 feet and drift gillnets are allowed.

- Effective **8:00 a.m. Sunday, October 1** in the Coastal District and District 1 (Chevak, Hooper Bay, Scammon Bay, Emmonak, Nunam Iqua, Alakanuk, and Kotlik).
- Effective **8:00 a.m. Tuesday, October 3** in District 2 (Mountain Village, Pitkas Point, St. Mary's, Pilot Station, and Marshall).
- Effective **8:00 a.m. Saturday, October 7** in District 3 (Russian Mission, Holy Cross, and Shageluk).

### **Districts 4-6** (including Anvik through Eagle and the Koyukuk and Tanana rivers):

**Fishing for chum, coho, and Chinook salmon is closed except in the Teedriinjik (Chandalar River) drainage.** Dip nets, beach seines, manned fish wheels, and hook and line gear may be used for pink salmon and sockeye salmon in all districts except District 6, where hook and line is closed for all species. Chum, coho, and Chinook salmon must be released alive.

#### **In the Teedriinjik drainage:**

**Fishing for chum salmon is open** 24 hours per day, 7 days per week with 6-inch or smaller mesh set gillnets, fish wheels, dip nets, hook and line, handline, and beach seines.

**Closed Waters:** The North Fork of the Teedriinjik drainage upstream from the mouth of Quartz Creek will remain closed by regulation.

Effective at the dates and times listed below, subsistence fishing for all species will be open 24 hours per day, seven days per week with 7.5 inch or smaller mesh gillnets and all other legal salmon and nonsalmon gear. Gillnet lengths will no longer be restricted to 60 feet. Drift gillnets will be allowed in District 4.

#### *District 4*

- Effective **8:00 a.m. Monday, October 9** in Subdistrict 4-A Lower (Anvik and Grayling).
- Effective **8:00 a.m. Saturday, October 14** in Subdistrict 4-A Upper (Kaltag, Nulato and Koyukuk).
- Effective **8:00 a.m. Monday, October 16** in Subdistricts 4-B and 4-C (Galena and Ruby).

**Closed area:** The Koyukuk River drainage will remain closed through December 31. In the subsistence permit area of South Fork and the Middle Fork of the Koyukuk River, gillnet gear must be 3½ inches or smaller mesh size from January 1 to June 30.

#### *District 5*

- Effective **8:00 a.m. Friday, October 20** in Subdistricts 5-A, 5-B, and 5-C (Tanana and Rampart).
- Effective **8:00 a.m. Thursday, October 26** in Subdistrict 5-D Lower (Stevens Village and Beaver).
- Effective **8:00 a.m. Monday, October 30** in Subdistrict 5-D Middle and Upper (Birch Creek, Fort Yukon, Central, Circle, and Eagle).

**Closed area:** The Porcupine River drainage will remain closed through December 31. The North Fork of the Teedriinjik drainage upstream from the mouth of Quartz Creek will remain closed by regulation.

*District 6*

- Effective **8:00 a.m. Monday, October 30** in Subdistricts 6-A, 6-B, and the Upper Tanana Area (Manley, Minto, Old Minto, Nenana, Healy, Cantwell, Lake Minchumina, Dot Lake, Tanacross, Tetlin, Tok, Northway, and Nabesna).

**Closed area:** The Kantishna and Nenana river drainages, excluding Lake Minchumina, will remain closed through December 31.

A subsistence fishing permit is required in the following areas:

*All species*

- The South and Middle forks of the Koyukuk River above Bettles (including the communities of Wiseman and Coldfoot). Gillnet gear for nonsalmon in the Koyukuk permit area may only be used from August 20 to June 30 and must be 3½ inches or smaller mesh size.
- Subdistrict 5-C from the western most tip of Garnet Island upstream to the ADF&G regulatory marker two miles downstream of Waldron Creek (Dalton Highway bridge area).
- The portion of Subdistrict 5-D Lower from an ADF&G regulatory marker two miles downstream of Waldron Creek upstream to the mouth of the Dall River.
- The upstream mouth of 22 Mile Slough to the U.S./Canada border.
- The Upper Tanana Area.

*Salmon*

- The Tanana River drainage up to the Wood River (Subdistrict 6-A, 6-B, and the Kantishna River drainage), excluding Lake Minchumina.

*Northern pike*

- The Tolovana River drainage (including Minto Flats).

**Personal Use Management Actions**

**Subdistrict 6-C Salmon** (from the regulatory marker at the mouth of the Wood River upstream to the downstream mouth of the Salcha River, which includes the communities of Fairbanks, North Pole, and Salcha):

**Personal Use salmon fishing is closed.**

**Personal Use Whitefish and Sucker Fishing** (in the Fairbanks Nonsubsistence Area, a portion of the Tanana River drainage from the Wood River upstream to the mouth of the Volkmar River on the north bank and the mouth of the Johnson River on the south bank, which includes Fairbanks, North Pole, Salcha, and Delta Junction):

**Personal Use whitefish and sucker fishing with gillnets and fish wheels is closed.** Fishing for whitefish and suckers in this area with other gear types remains open 24 hours per day, 7 days per week, subject to permit stipulations.

Effective **8:00 a.m. Monday, October 30**, personal use whitefish and sucker fishing will open with 4-inch or smaller mesh set gillnets limited to 60 feet or shorter.

A personal use permit and fishing license are required to fish for whitefish and sucker in the Fairbanks Nonsubsistence Area. Permits and licenses are available from the Alaska Department of Fish and Game Fairbanks office or online at [www.adfg.alaska.gov/store/](http://www.adfg.alaska.gov/store/).



This is an announcement by the ADF&G in cooperation with the USFWS. Federal Special Actions are posted on [www.doi.gov/subsistence/fisheries-special-actions](http://www.doi.gov/subsistence/fisheries-special-actions) and shared on Facebook at [www.facebook.com/subsistencealaska](https://www.facebook.com/subsistencealaska).

ADF&G Advisory Announcements and fish counts can be obtained by visiting [www.facebook.com/YukonRiverFishingADFG](https://www.facebook.com/YukonRiverFishingADFG) or [www.adfg.alaska.gov/yukonfishcounts](http://www.adfg.alaska.gov/yukonfishcounts).

To receive advisory announcements by email, sign up at [www.cfnews.adfg.alaska.gov](http://www.cfnews.adfg.alaska.gov).

To receive fish counts by email, sign up at [www.list.state.ak.us/mailman/listinfo/yukonriverdailyupdate](http://www.list.state.ak.us/mailman/listinfo/yukonriverdailyupdate).

