2022 FISHERIES RESOURCE MONITORING PROGRAM

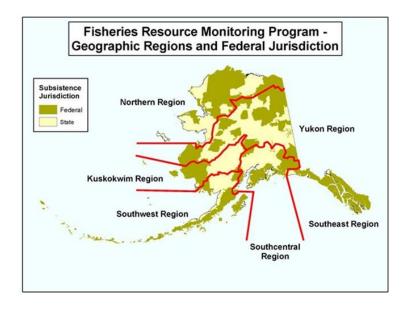
The Office of Subsistence Management administers the Fisheries Resource Monitoring Program (Monitoring Program) and funds research and monitoring that contribute to effective management of subsistence fisheries on Federal public lands and waters in Alaska. The Monitoring Program also supports collaboration and cooperation among Federal agencies, the State of Alaska, and Alaska Native and rural organizations.

Every two years, the Office of Subsistence Management announces a funding opportunity for projects that address priority information needs identified by Federal Subsistence Regional Advisory Councils. The Office of Subsistence Management works with the Subsistence Regional Advisory Councils to identify issues of local concern and knowledge gaps. This information is used to develop regional priorities that guide researchers in proposal development.

Three primary types of research are requested: harvest monitoring, traditional ecological knowledge, and stock status and trends. Harvest monitoring and traditional ecological knowledge projects provide information directly from subsistence users, including descriptions of fishing effort and harvest and use patterns. Stock status and trend projects address fish abundance, migration, and behavior in specific drainage basins.

Research priorities that fall outside the scope of the Monitoring Program are not considered. They include projects focused on: habitat protection, mitigation, restoration, and enhancement; hatchery propagation, restoration, enhancement and supplementation; and contaminant assessment, evaluation, and monitoring. These kinds of projects are most appropriately addressed by the local land management or regulatory agency.

Since 2000, the Office of Subsistence Management has funded 54 projects in the Northern Alaska Region through the Monitoring Program. They are described in the table below.



NORTHERN ALASKA REGION—PROJECTS FUNDED SINCE 2020

| Project Number | Project Title | Investigators | |
|------------------------|---|-----------------------------------|--|
| North Slope | | | |
| 00-002 | Eastern NS Dolly Varden Spawning and Over-wintering Assessment | ADF&G, USFWS | |
| 01-113 | Eastern NS Dolly Varden Genetic Stock ID Stock Assessment | ADF&G, USFWS | |
| 01-101 | Eastern NS (Kaktovik) Subsistence Fish Harvest Assessment | AD&FG, KIC | |
| 02-050 | NS (Anaktuvuk Pass) Subsistence Fish Harvest Assessment | ADF&G, NSB, AKP | |
| 03-012 | SST of Arctic Cisco and Dolly Varden in Kaktovik Lagoons | USFWS | |
| 04-103 | North Slope Dolly Varden Sonar Feasibility | USFWS | |
| 06-108 | North Slope Dolly Varden Aerial Monitoring | ADF&G | |
| 07-105 | North Slope Dolly Varden Genetic Baseline Completion | USFWS | |
| 07-107 | Hulahula River Dolly Varden Sonar Enumeration | USFWS | |
| 12-154 | North Slope Salmon Fishery HM/TEK | ADF&G | |
| 14-103 | Beaufort Sea Dolly Varden Dispersal Patterns | UAF | |
| 16-101 | Arctic Dolly Varden Telemetry | USFWS | |
| 16-106 ^b | Aerial Monitoring of Dolly Varden Overwintering Abundance | ADF&G, USFWS | |
| 16-107 ^a | Chandler Lake Trout Abundance Estimation | ADF&G | |
| 16-152 ^b | Meade River Changes in Subsistence Fisheries | ADF&G | |
| 18-100 ^b | Colville River Grayling Habitat and Migration | ADF&G | |
| Northwest Arctic | | | |
| 00-001 | Northwestern Dolly Varden and Arctic Char Stock Identification | ADF&G, USFWS | |
| 00-020 | Hotham Inlet Kotzebue Winter Subsistence Sheefish Harvest | ADF&G | |
| 01-136 | Northwestern Alaska Dolly Varden Genetic Diversity | ADF&G, USFWS | |
| 01-137 | Northwestern Alaska Dolly Varden Spawning Stock Assessment | ADF&G | |
| 02-023 | Qaluich Nigingnaqtuat: Fish That We Eat | AJ | |
| 02-040 | Kotzebue Sound Whitefish Traditional Knowledge | ADF&G, MQ | |
| 03-016 | Selawik River Harvest ID, Spring and Fall Subsistence Fisheries | USFWS | |
| 04-101 | Selawik River Inconnu Spawning Abundance | USFWS | |
| 04-102 | Selawik Refuge Whitefish Migration and Habitat Use | USFWS | |
| 04-109 | Wulik River Dolly Varden Wintering Stocks | USFWS, ADF&G | |
| 04-157 | Exploring Approaches to Sustainable Fisheries Harvest Assessment | ADF&G, MQ | |
| 07-151 | Northwest Alaska Subsistence Fish Harvest Patterns and Trends | ADF&G, MQ | |
| 08-103 | Kobuk River Sheefish Spawning and Run Timing | ADF&G, USFWS | |
| 10-100 10-104 | Selawik Drainage Sheefish Winter Movement Patterns Hotham Inlet Kotzebue Winter Subsistence Sheefish Harvest | UAF, USGS, USFWS, NVK USFWS | |
| | | | |
| 10-152 | Climate Change and Subsistence Fisheries in Northwest Alaska | UAF | |
| 12-100 | Selawik River Sheefish Spawning Abundance and Age Structure | USFWS | |
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| Project Number | Project Title | Investigators | |
|--|--|--------------------------------------|--|
| 12-103 | Kobuk River Sheefish Spawning Frequency, Location, and Run Timing | ADF&G, USFWS | |
| 12-104 | Noatak River Dolly Varden Evaluation of Overwintering Populations | ADF&G, NPS | |
| 12-153 | NW AK Key Subsistence Fisheries Harvest Monitoring Program | ADF&G, MQ | |
| 14-104 | Selawik R Inconnu Spawning Population Abundance | USFWS | |
| 16-103 | Kobuk River Dolly Varden Genetics | ADF&G, USFWS | |
| 16-104 | Selawik Sheefish Age Structure and Spawning Population | USFWS | |
| 16-105 ^a | Kobuk River Sheefish Abundance | ADF&G | |
| 18-101 ^a 20-101 ^b | Kobuk River Dolly Varden Genetic Diversity Life-history Variability and Mixed-stock Analysis of Dolly Varden in the Noatak River | ADF&G, USFWS ADF&G, UAF, USFWS | |
| 20-150 ^b | Traditional Ecological Knowledge of Dolly Varden and Whitefish Species in Northwest Alaska | ADF&G | |
| Seward Peninsula | | | |
| 01-224 | Nome Sub-district Subsistence Salmon Survey | ADF&G, KI | |
| 02-020 | Pikmiktalik River Salmon Site Surveys and Enumeration | USFWS, NPS, STB, KI | |
| 04-105 | Pikmiktalik River Chum and Coho Salmon Enumeration | KI | |
| 04-151 | Customary Trade of Fish in the Seward Peninsula Area | ADF&G, KI | |
| 05-101 | Unalakleet River Coho Salmon Distribution and Abundance | ADF&G, NVU | |
| 06-101 | Pikmiktalik River Chum and Coho Salmon Enumeration | KI | |
| 10-102 | Unalakleet River Chinook Salmon Abundance Estimate | ADF&G, BLM, NSEDC | |
| 10-151 | Local Ecological Knowledge of Non-Salmon Fish in the Bering Strait | KI | |
| 14-101 | Unalakleet River Chinook Salmon Abundance Estimate | NSEDC,NVU ADF&G, BLM | |
| 18-103 ^b | Unalakleet River Chinook Salmon Escapement Assessment | NSEDC,NVU, ADF&G, BLM | |
| 20-100 ^b | Fish Assemblages and Genetic Stock Determination of Salmon in Bering Land Bridge National Preserve | NPS, ADF&G | |

a = Final Report in Preparation.

Abbreviations used for investigators are: ADF&G = Alaska Department of Fish and Game, AJ = Anore Jones, AKP = City of Anaktuvuk Pass, BLM = Bureau of Land Management, KI = Kawarek Inc., KIC = Kaktovik Inupiat Corp., MQ = Maniilaq, NSEDC = Norton Sound Economic Development Corporation, NVU = Native Village of Unalakleet, NSB = North Slope Borough, STB = Stebbins IRA, SWCA = SWCA Environmental Consultants, UAF = University Alaska Fairbanks, USFWS = U.S. Fish and Wildlife Service, and USGS = U.S. Geological Survey.

b = On-going projects during 2020.