



# *Fisheries Resource Monitoring Program*

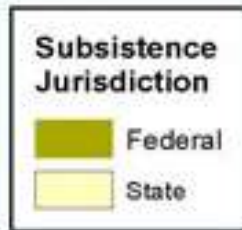
**U.S. Fish and Wildlife Service  
Office of Subsistence Management  
Federal Subsistence Board  
February 1-2, 2022 Work Session**

# ***Mission***

The mission of the Fisheries Resource Monitoring Program (FRMP) is to identify and provide information needed to sustain subsistence fisheries on Federal public lands and waters for rural Alaskans through a multidisciplinary collaborative process.

# Regions

## Fisheries Resource Monitoring Program - Geographic Regions and Federal Jurisdiction



# ***Fisheries Resource Monitoring Plan Process***

1. The Monitoring Plan is drafted by the Technical Review Committee (TRC)
2. Reviewed by the Regional Advisory Councils, Interagency Staff Committee, and the public
3. The Federal Subsistence Board then reviews and makes recommendations about the final plan
4. The Assistant Regional Director at OSM makes the final determination about which projects to fund based on available funding

# ***Technical Review Committee***

- 1) Standing interagency committee of senior technical experts from Federal agencies and ADF&G
- 2) OSM Assistant Regional Director determines appointments
- 3) Current TRC members are from: BIA, BLM, NPS, FWS, USFS, ADF&G and OSM

# ***Technical Review Committee cont.***

- 4) Reviews and scores all proposals submitted
- 5) Interdisciplinary approach – composed of a balance of Fisheries Biologists and Cultural Anthropologists

# ***Policy and Funding Guidelines***

- Projects up to four years in duration may be considered
- Studies may not duplicate existing projects
- Monitoring Program funding is prioritized for non-Federal agencies
- Long-term projects considered on a case-by-case basis

# ***Policy and Funding Guidelines***

Activities not eligible for funding include:

- a) Habitat restoration and enhancement
- b) Hatchery propagation and stocking
- c) Contaminant sampling or monitoring
- d) Primarily outreach or education



# ***Criteria Used for Project Selection***

1. Strategic Priority
2. Technical and Scientific Merit
3. Investigator Ability and Resources
4. Partnership and Capacity Building
5. Cost/Benefit

# ***Regional Allocation Guidelines***

<b>Region</b>	<b>Department of Interior Funds</b>	<b>Department of Agriculture Funds</b>
<b>Northern</b>	17%	0%
<b>Yukon</b>	29%	0%
<b>Kuskokwim</b>	29%	0%
<b>Southwest</b>	15%	0%
<b>Southcentral</b>	5%	32.5%
<b>Southeast</b>	0%	62.5%
<b>Multi-regional</b>	5%	5%

# ***2022 Draft Monitoring Plan***

- 43 projects were submitted by Principal Investigators totaling \$17.14 million
- The TRC determined that 37 of the 43 projects submitted during the 2022 NOFO were worthy of funding

# ***Northern Region 2022 FRMP Projects***

- Kotzebue Sound Sheefish-Describing Coastal Movement, Temperature Preference, and Potential Range Expansion
- Unalakleet River Chinook Salmon Escapement Assessment-Continuation
- Selawik River Inconnu Spawning Population Age Structure Evaluation and Spawner Recruitment Response to a 2004 Permafrost Thaw Slump
- Traditional Ecological Knowledge of Salmon in the River Drainages of Kotzebue Sound

# ***Yukon Region 2022 FRMP Projects***

- East Fork Andreafsky River Weir Chinook and Summer Chum Salmon Abundance and Run Timing Assessment
- Gisasa River Weir Chinook and Summer Chum Salmon Abundance and Run Timing Assessment
- Western Alaska Coho Salmon Genetic Baseline Development
- Presence and Use of Salmon in the Pastolik and Pastoliak Rivers
- Humpback Whitefish and other Nonsalmon Fishes Traditional Ecological Knowledge and Biological Sampling in the Upper Koyokuk Region

# ***Kuskokwim Region 2022 FRMP Projects***

- Takotna River Weir Salmon Run Timing and Abundance
- Kuskokwim River Broad Whitefish subsistence harvest and spawning abundance
- George River Salmon Weir
- Bethel Subsistence Harvest Surveys
- Kuskokwim Management Area Postseason Subsistence Salmon Harvest Survey

# ***Kuskokwim Region 2022 FRMP Projects Continued***

- Local and Traditional Knowledge of Salmon Harvest and Use for Subsistence in the Lower Kuskokwim River Drainage
- Natural Indicators of Salmon in the Upper Kuskokwim River
- Community Based Harvest Monitoring Network for Kuskokwim River Chinook Salmon

# ***Southwest Region 2022 FRMP Projects***

- Buskin River Sockeye Salmon Stock Assessment and Monitoring
- Chignik River Subsistence Harvest Surveys and Escapement Indexing
- False Pass and Nelson Lagoon Subsistence Harvest Monitoring and Traditional Ecological Knowledge (TEK) Investigation
- Subsistence Harvests and Uses of Salmon and Other Wild Resources in Manokotak, Alaska
- Reliable estimates of subsistence harvests and uses in Ouzinkie and Port Lions



# ***Southcentral Region 2022 FRMP Projects***

- Copper River Chinook Salmon Inriver Abundance

# ***Southeast Region 2022 FRMP Projects***

- Hetta Lake Sockeye Salmon Stock Assessment
- Neva Lake Sockeye Salmon Stock Assessment
- Sitkoh Lake Sockeye Salmon Stock Assessment
- Klag Lake Sockeye Salmon Stock Assessment
- Northern Southeast Alaska Eulachon Population Dynamics Monitoring
- Updating Icy Straight Community Household Subsistence Harvest Surveys and Documenting Subsistence Harvest Patterns
- Estimating Inseason Harvests of Klawock River Salmon Subsistence Fishery

# ***2022 Monitoring Plan Estimated Funding by Region***

<b>Region</b>	<b>DOI Cost</b>	<b>DOI Guideline</b>	<b>DOI 2022</b>	<b>USDA Guideline</b>	<b>USDA 2022</b>
Northern	\$445,361	17%	17%	0%	0%
Yukon	\$518,430	29%	20%	0%	0%
Kuskokwim	\$1,003,683	29%	39%	0%	0%
Southwest	\$419,845	15%	16%	0%	0%
Southcentral	\$215,000	5%	8%	32.5%	0%
Southeast	\$0	0%	0%	62.5%	100%
Multi-region	\$0	5%	0%	5%	0%
<b>Total</b>	<b>\$2,602,319</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>

# ***HMTEK vs Stock Status and Trend Monitoring by Region***

<b>Region</b>	<b>HMTEK</b>	<b>SST</b>
Northern	\$117,642	\$327,719
Yukon	\$134,409	\$384,021
Kuskokwim	\$571,906	\$431,777
Southwest	\$201,913	\$217,932
Southcentral	\$0	\$215,000
Southeast	\$21,866	\$785,801
<b>Total</b>	<b>\$1,047,736</b>	<b>\$2,362,250</b>
Percent	31%	69%

# ***DOI and USDA Estimated Contribution to the 2022 Monitoring Plan, and forecast for 2022-2025***

- DOI project cost (average)      \$2,602,319
- USDA project cost      \$807,667
  
- Total estimate 2022      \$3,409,986
- Total estimate 2023      \$3,999,365
- Total estimate 2024      \$3,240,447
- Total estimate 2025      \$2,576,683



Questions?