

KENAI PENINSULA FISH HABITAT PARTNERSHIP

JACK SINCLAIR, COORDINATOR



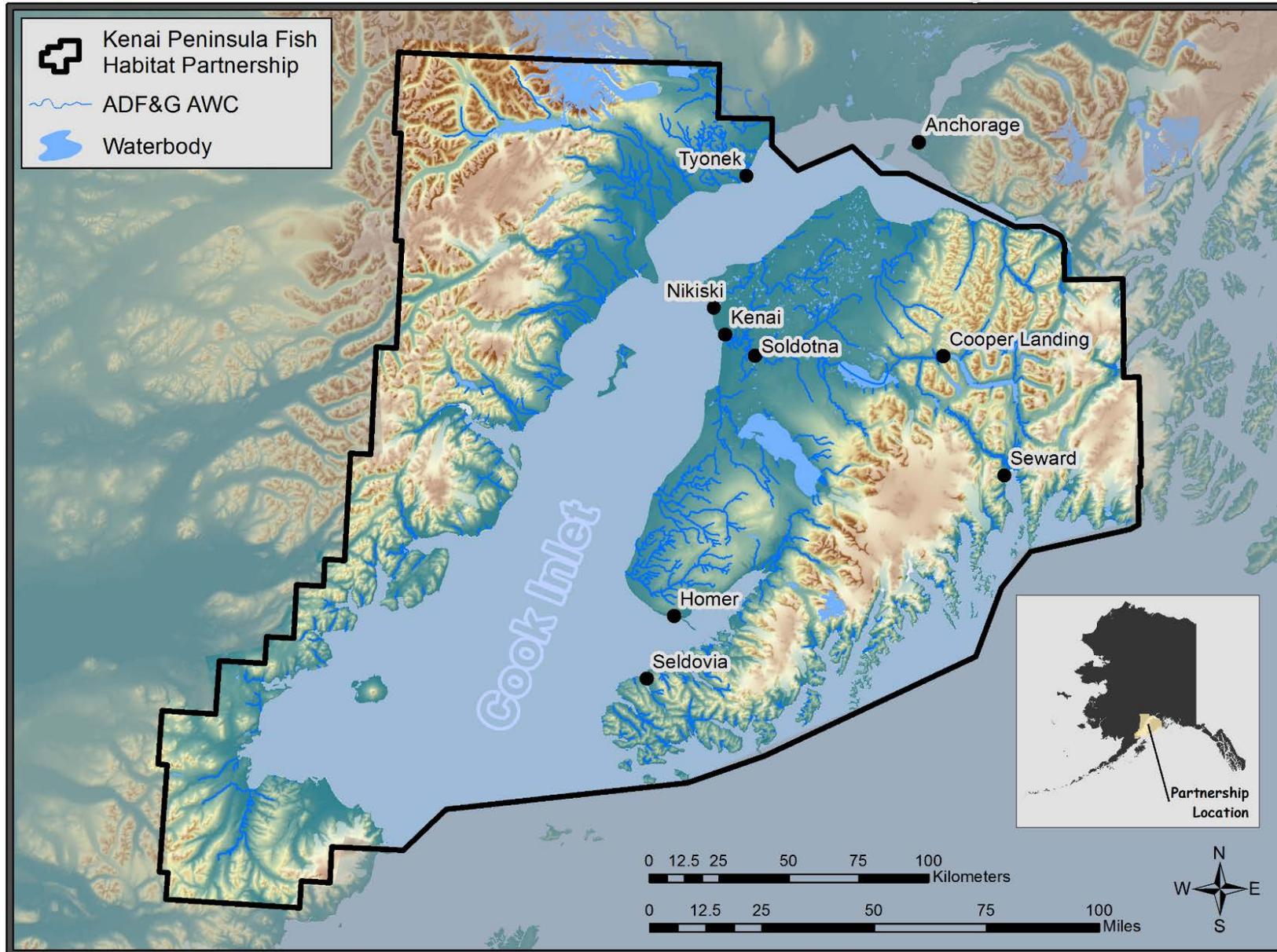
PURPOSE AND MISSION

To create and foster effective collaborations to maintain healthy fish, healthy people, healthy habitat, and healthy economies in the Kenai Peninsula Borough.

Its mission is to protect, maintain, restore and enhance fish habitat!



Kenai Peninsula Fish Habitat Partnership



TYONEK TRIBAL CONSERVATION DISTRICT
THE NATURE CONSERVANCY
RESURRECTION BAY CONSERVATION ALLIANCE

COOK INLET AQUACULTURE
ASSOCIATION

▶ **Our Partners in Fish Habitat**

ALASKA STATE PARKS

▶ **The Partnership, at present, is**

CITY OF SEWARD

▶ **comprised of 29 agencies**

CITY OF SOLDOTNA

▶ **and organizations.**

CITY OF KENAI

NATIONAL OCEANIC AND ATMOSPHERIC
ADMINISTRATION

COUNCIL OF PHILIPPS

AQUATIC RESTORATION & RESEARCH INSTITUTE

KENAI PENINSULA BOROUGH

KENAI COASTAL AND WATER CONSERVATION DISTRICT
KACHEMAK HERITAGE LAND TRUST

US FOREST SERVICE

RENEWABLE RESOURCES FOUNDATION

TROUT UNLIMITED

UNITED COOK INLET DRIFT ASSOCIATION

KENAITZE INDIAN TRIBE

ALASKA DEPARTMENT OF TRANSPORTATION

GREATLAND TRUST

KENAI RIVER SPORTFISHING ASSOCIATION

KACHEMAK BAY NATIONAL

ESTUARINE RESEARCH RESERVE

USDA NRCS



Important Components of the Partnership:

- ▶ Nine-Member Steering Committee
- ▶ Strategic Plan
- ▶ A Fresh Water and Marine Conservation Action Plans (CAP)



FOCAL AREAS –STRATEGIC PLAN

The six major focal areas and goal statements are:

- ▶ **Partnership**
- ▶ **Biological Complexity**
- ▶ **Water Quality and Quantity**
- ▶ **Science and Technology**
- ▶ **Education**
- ▶ **Policy**



TWO CONSERVATION ACTION PLANS -CAP

Potential Threats to our Partnership's Geography

► **Freshwater Targets:**

1. Injurious invasive aquatic species (present and potential species)
2. Warmer climate
3. Incompatible road development
4. Residential development in riparian zones

► **Marine Targets:**

1. Large Scale Oil Spill Petroleum Discharge (Oil/Gas)
2. Incompatible shoreline development
3. Beach Armoring



FRESHWATER POTENTIAL THREATS RANKING MATRIX

Potential Threats Across Targets		Steep coastal streams	Non-glacial mountain rivers	Glacial rivers w/o lakes	Glacial rivers w/ lakes	Lowland groundwater/wetland-dominated systems	Closed-basin lakes	Clearwater connected lakes with associated streams	Overall Threat Rank
Project-specific threats		1	2	3	4	5	6	7	
1	Injurious aquatic invasive species				Low	High	High	High	High
2	Warmer climate		Medium		Low	Medium	Medium	Medium	Medium
3	Incompatible road development		Low	Medium	Low	Medium		Low	Medium
4	Residential development in riparian zone				Medium	Medium			Medium
5	Hydro development	Low	Medium	Low	Low			Low	Low
6	Incompatible mining	Low	Low			Medium			Low
7	Catastrophic spill (vehicle, tank farm, pipeline)				Low	Medium			Low
8	Urbanization/development outside the riparian zone				Low	Medium			Low
9	Incompatible ORV use					Medium			Low
Threat Status for Targets and Project		Low	Medium	Low	Medium	High	Medium	Medium	Medium



MARINE POTENTIAL THREATS RANKING MATRIX

Potential Threats Across Targets	Salt marsh & estuarine system (Intertidal)	Nearshore sediment substrates (Intertidal - sand, mudflats, gravel including pebble, cobble, boulder)	Rocky nearshore (Intertidal & Subtidal)	Canopy kelps (Subtidal)	Seagrass beds (Subtidal)	Reefs (Subtidal & Offshore)	Benthic habitat (Offshore - sand, mud, clay, gravel)	Pelagic waters (Offshore)	Overall Threat Rank
Project-specific threats	1	2	3	4	5	6	7	8	
Tanker/nontank vessel spill	High	Medium	Low	Low	Low	Low		Low	Medium
Incompatible shoreline development	Medium	Low	Medium		Low				Medium
Beach alteration/ modifications		Medium							Low
Pipeline / tank farm spill	Low	Low	Low	Low	Low		Low		Low
Chronic contaminant/oil discharges - point sources (platforms, waste treatment)		Low	Low	Low	Low		Low	-	Low
Chronic oil discharges - nonpoint (e.g. boats, runoff, production platforms?)		Low	Low	Low	Low		Low		Low
Global emissions/ocean acidification		Low					Low	Low	Low
Damage from incompatible recreational use	Low				Low				Low
Oil spill response		Low					Low		Low
Threat Status for Targets and Project	Medium	Medium	Low	Low	Low	Low	Low	Low	Medium



HOW ARE PROJECTS FUNDED?

- ▶ *Using a combination of FWS Fish Habitat Conservation Cost-Share Money and other state, local and private funding sources for match, major fish habitat conservation projects can be accomplished where the means to do so as individual entities was not possible before...*



- ▶ Process for Funding: **Request for Proposals (RFP)** Application period- August-September
- ▶ Applications available to the Partnership Members through the KPFHP website
- ▶ Criteria based on CAP Targets and Threats-



PAST PROJECTS FUNDED

Kenai Peninsula FHP Coordination
Stream Temperature Monitoring Network 10 -year assessment
Stream stage monitoring to track changes in available fish habitat
Restoring and reconnecting cold water habitat to the Ninilchik River
Stream watch: Volunteers and Partners Protecting & Restoring Kenai Peninsula Salmon Habitat
Using E DNA to assess and eradicate invasive species from Kenai Peninsula
Old Tyonek Creek Fish Passage Restoration
Building and Index Watershed Program to Assess and Track Land Use and Climate Impacts Kenai River Watershed Water Quality Monitoring
Invasive Northern Pike Detection Using E DNA
Salmon Outreach Strategy
Eradication of Elodea from the Kenai Peninsula
Launching the Cook Inlet Response Tool for Operational Use

Aquatic Invasive Plant Baseline Surveys in Kenai Peninsula Water Bodies
Understanding the Effects of Roadways on the Movement of Groundwater through Peatland Habitat
Kenai Peninsula northern pike E DNA study
Pilot Project to Establish Real-time, year-round, long-term Kenai Peninsula Stream Temp Sites
Validation of Kenai Peninsula NHD Science Based Land Conservation
Stream Temperature Monitoring Network
Kenai Peninsula Science Symposium
Soldotna Creek Northern Pike Eradication
Stariski Creek Wayside Exhibit Project
Introduction to Watershed Planning Symposium
Kenai Peninsula Fish Habitat Partnership
Strategic Habitat Action Plan
Soldotna Creek Hydrology Project
Watermelon Trail - Beaver Creek Stream Restoration



- ▶ Are We on Target?
- ▶ 2017 Review of CAP- Comments through April 30
- ▶ Seeking input from the membership on emerging issues and threats
- ▶ Please send your comments to Coordinator@kenafishpartnership.org



► Consider applying for a Steering Committee Seat

Christy Cincotta, Tyonek Tribal Conservation District (TTCD)

Branden Bornemann-Trout Unlimited (TU)

Adam Cross, USFS

Marie McCarty, Kachemak Heritage LandTrust (KHLT)

Sue Mauger, Cook Inletkeeper (CIK)

Marcus Mueller, Kenai Peninsula Borough (KPB)

Erika Ammann – NOAA*

Ginny Litchfield ADF&G*

Kyle Graham, USFWS*

*permanent agency seat



Kenai Peninsula Fish Habitat Partnership

Newsletter November 2016



TO PROTECT, MAINTAIN, RESTORE AND ENHANCE FISH HABITAT
The purpose of the Kenai Peninsula Fish Habitat Partnership (KPFHP) is to create and foster effective collaborations to maintain healthy fish, healthy people, healthy habitat, and healthy economies in the Kenai Peninsula Borough.

Each year, the National Fish Habitat Partnership provides a portion of its funding to help support 19 nationwide Fish Habitat Partnerships across the US. Each Fish Habitat Partnership, in turn, develops a Request for Proposals. These proposals must reflect the priorities and goals of the FHP's Strategic plan for both freshwater and marine habitat.

Russian River Remote

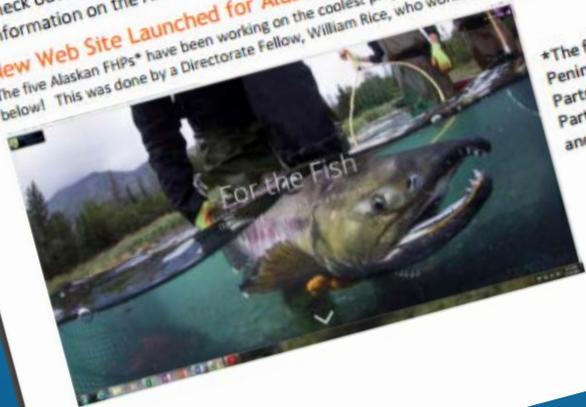
Partnership members from the Kenai Watershed Forum and the US Forest Service assist Cook Inletkeeper Scientist Sue Mauger with the installation of a new solar-powered remote temperature monitor along the Lower Russian River. This is a 2016 KPFHP-funded project.



Check out the link: <http://inletkeeper.org/healthy-habitat/real-time-temperature-sites/russian-river> ; You'll also find real-time information on the Anchor and Deshka Rivers at the Cook InletKeeper website!

New Web Site Launched for Alaska Fish Habitat Partnerships "For The Fish"

The five Alaskan FHPs* have been working on the coolest project - a story map that will be housed on the all-Alaska FHP website. Check out the link below! This was done by a Directorate Fellow, William Rice, who worked this summer for USFWS in Anchorage. <http://arcg.is/1XyMBPv>



*The five Fish Habitat Partnerships in Alaska are: The Kenai Peninsula Fish Habitat Partnership, The Mat Su Salmon Habitat Partnership, The Southwest Alaska Fish Habitat Partnership, The Southeast Alaska Fish Habitat Partnership, and the Western Native Trout Initiative.

ANNUAL NEWSLETTER



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