

KENAI PENINSULA FISH HABITAT PARTNERSHIP

JACK SINCLAIR, COORDINATOR



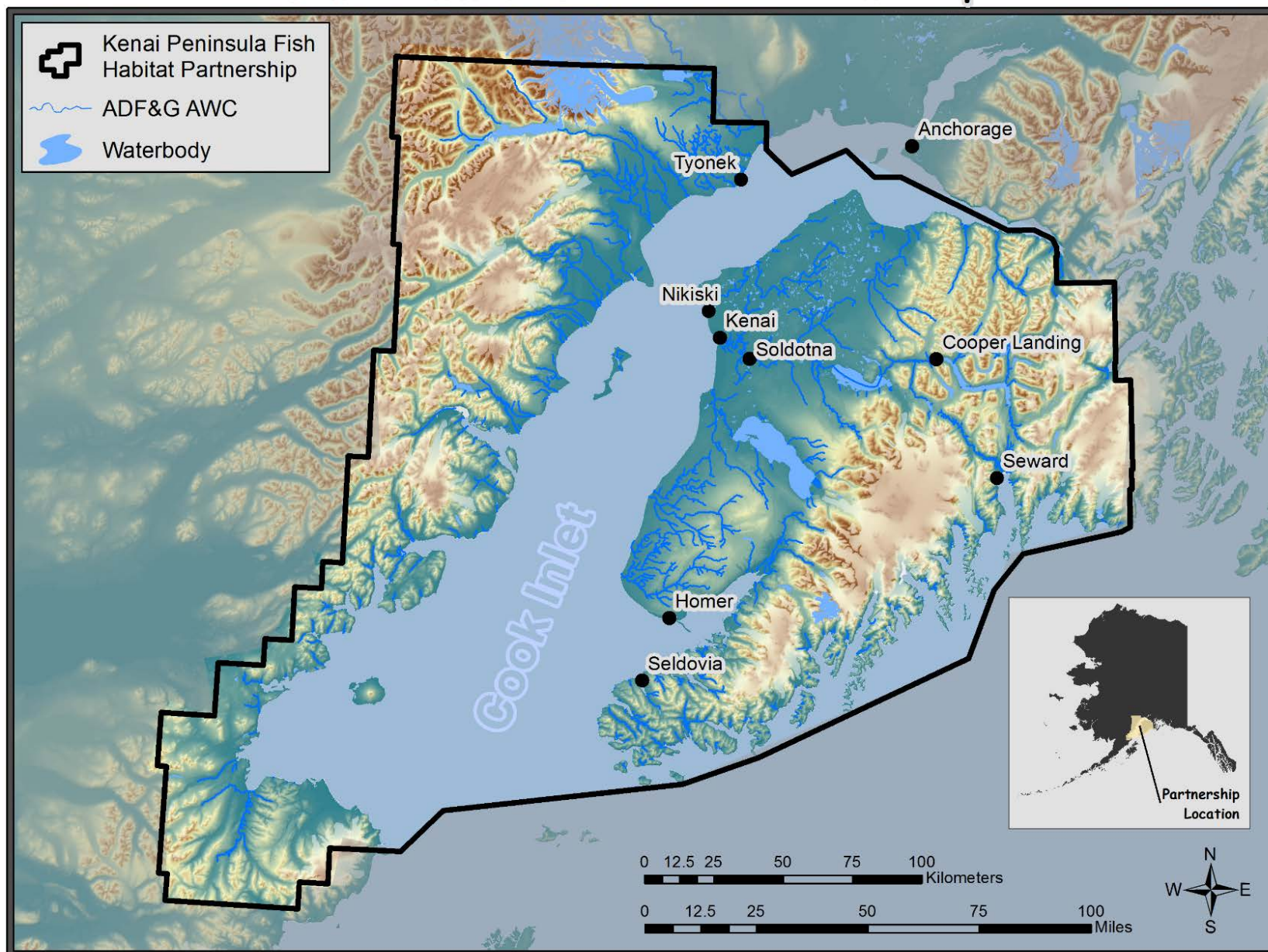
PURPOSE AND MISSION

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
▶ KENAI WATERSHED FORUM
US FISH AND WILDLIFE SERVICE
KENAI AREA FISHERMAN'S COALITION
▶ ALASKA DEPARTMENT OF FISH AND GAME
COOK INLET KEEPER
NATIONAL OCEANIC AND ATMOSPHERIC
ADMINISTRATION
AQUATIC RESTORATION & RESEARCH INSTITUTE
KENAI SOIL AND WATER CONSERVATION DISTRICT
KACHEMAK HERITAGE LAND TRUST
RENEWABLE RESOURCES FOUNDATION
UNITED COOK INLET DRIFT ASSOCIATION
ALASKA DEPARTMENT OF TRANSPORTATION
KENAI RIVER SPORTFISHING ASSOCIATION

COOK INLET AQUACULTURE
ASSOCIATION
ALASKA STATE PARKS
CITY OF SEWARD
CITY OF SOLDOTNA
CITY OF KENAI
CITY OF PHILLIPS
KENAI PENINSULA BOROUGH
US FOREST SERVICE
TROUT UNLIMITED
KENAITZE INDIAN TRIBE
GREATLAND TRUST
KACHEMAK BAY NATIONAL
ESTUARINE RESEARCH RESERVE
USDA NRCS

▶ Our Partners in Fish Habitat

▶ The Partnership, at present, is comprised of 29 agencies and organizations.



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



ANNUAL NEWSLETTER



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