

# Kodiak National Wildlife Refuge Water Resources Inventory and Assessment

## Legend

- Kodiak Refuge Boundary**
- USGS Gages**
  - Hydro Gage, active (1)
  - Hydro Gage, inactive (20)
- FWS Hydro Gages**
  - Hydro Gage inactive (10)
- NRCS Climate Sites**
  - COOP-SNOW (1)
- Climate Sites - MesoWest**
  - AKDOT (1)
  - APRSWNET/CWOP (6)
  - HADS (1)
  - NCAWOS (1)
  - NOS-NWLN (2)
  - NWS/FAA (3)
  - RAWS (5)
- Water Monitoring - All**
  - ADFG, Water Quality (38)
  - KRAA, Water Quality (3)
  - TriBSung, Water Quality (1)
  - USFWS, Water Quality (8)
  - USGS, Water Quality (333)
  - USGS, Water Quality (333)
  - USFWS, Water Quality (8)
- Active Threats**
  - Active, Dams (31)
  - Active, Garbage/Solid Waste (9)
  - Active, Industrial Effluent (74)
  - Active, Mining (1)
  - Active, Temp. Water Use Permit (101)
  - Active, Invasive species (176)
- Closed Threats**
  - Closed, Garbage/Solid Waste (8)
  - Closed, Industrial Effluent (95)
- Proposed / Unknown - Threats**
  - Proposed/Potential, Dams (82)
  - Proposed/Potential, Industrial Effluent (59)
  - Proposed/Potential, Mining (57)
  - Proposed/Potential, Temp Wtr. Use (20)
- Lakes Potentially Vulnerable to Elodea (inside refuge)**
  - Long axis
    - A (> 0.6 miles) (42)
    - B (0.3 - 0.6 miles) (113)
- Lakes Potentially Vulnerable to Elodea (outside refuge)**
  - Long axis
    - A (> 0.6 miles) (69)
    - B (0.3 - 0.6 miles) (196)
- Threats - linear**
  - RS2477 Trail
- Threats - polygons**
  - Active, Mining Exploration (19)
  - Active, Industrial Effluent (1)
- Water Rights - Withdrawals**
  - Subsurface - Groundwater (77)
  - Surface Water (134)
- Instream Flow Reservation**
  - Certificate Issued (18)
  - Application Received (139)
- Water Rights - Area (1)**
  - Class 2 (>10 sq kms) (2)
  - Class 1 (<10 sq kms) (11,262)
- Anadromous Waters Catalog (ADF&G 2015)**
- Streams**
- Watersheds - HUC10**
- Glaciers**
  - ADOT Roads
- Invasive Species Density - #/25 sq. miles**
  - 1 - 15 (21)
  - 16 - 42 (2)
  - 43 - 108 (4)
- National Park and Preserve**
- State Legislatively Designated Areas**
- Surface Owner - outline**
  - USFWS
  - Native Allotment
  - Village Native Corp.
  - Regional Native Corp.
  - State of Alaska
  - Other Federal
  - Other Private

Project: US Fish and Wildlife Service WRIA - Water Resources Inventory and Assessment  
Date: 1/30/2016

Map by: Alaska Natural Heritage Program, University of Alaska Anchorage, M. Geist  
Scale: 1:200,000 , 1 inch equals 3.16 miles

Data Sources: See WRIA report for detailed descriptions

MONITORING: US Fish and Wildlife Service (FWS) - water quality, fish studies, sampled lakes; National Oceanic Atmospheric Administration (NOAA) - hydroclimate; US Geological Survey (USGS) - stream gages

THREATS: AK Dept. of Environmental Conservation (ADEC) - contaminated sites, AK Dept. of Natural Resources (ADNR) - mining, AK Natural Heritage Program (AKNHP) - invasive plants

HYDROGRAPHY: USGS - streams, lakes, rivers, watersheds; AK Dept of Fish & Game (ADFG) - anadromous waters, FWS - National Wetland Inventory (NWI) - wetlands

LAND MANAGEMENT: FWS - surface and subsurface ownership

PHYSICAL FEATURES: AK DNR - Div. of Geological & Geophysical Surveys - Volcanoes; National Geographic Society - basemaps

BACKGROUND DATA/IMAGE: Kodiak Island Borough (imagery); Geographic Information Network of Alaska (GINA), University of Alaska Fairbanks.

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