USGS Support for the National Fish Habitat Action Plan

USGS support to implement the National Fish Habitat Action Plan spans various types of activities ranging from research and monitoring efforts to technical committee participation and leadership over the last five years.

Science Support –From Ecosystems, Core Science Systems, Climate and Land Use Change Mission Areas

- USGS provides inkind scientific and science management staff support in various capacities
  - Co-chair of National Science and Data Committee to the National Fish Habitat Board
  - Members on the National Science and Data Committee
  - Representation on the Federal Caucus
  - Fish Habitat Partnership Coordination
  - Fish Habitat Partnership Steering Committees
  - Fish Habitat Partnership Science and Data Committees
  - Fish Habitat Partnership Finance Committees
- Aquatic Gap Analysis Program funds supplemented funding from US Fish and Wildlife Service to support the NFHAP national inland river assessment (FY07-$40K, FY08-$56K, FY09-$60K, FY10-$77K, FY11-$120K)
- Provides support to address research and/or monitoring priorities related to fish-habitat relationships, including human impacts and their variation at different scales. Recently supported research projects:
  - Development and Validation Models to Assess the Threat to Freshwater Fishes from Environmental Change and Invasive Species in support of Desert Fish Habitat Partnership (FY09-$119K, FY10-$125K, FY11-$126K)
  - Habitat Applied Sampling Validation and Limiting Factors Analysis: Using Abundance to Inform Monitoring of Fish Populations and Habitat (FY09-$31K, FY10-$43K, FY11-$33K)
  - Linking Great Lakes Watersheds to Coastal Habitats in Support of the National Fish Habitat Action Plan (FY09-$159K, FY10-$159K, FY11-$159K)
  - Application of Elemental Fingerprinting: Defining Nursery Habitats, Advanced tools in support of the National Fish Habitat Action Plan (FY09-$104K, FY10-$109K, FY11-$113K)
  - Spatial Models for Connecting Landscapes to Fish Diversity in Alaska in support of the Southwest Alaska Salmon Habitat Partnership (FY09-$55K, FY10-$67K, FY11-$37K)
- Fisheries Program funding support for WaterSMART ecological flow work in Colorado River, Delaware River, and Apalachicola-Chattahoochee-Flint River basins support NFHAP objectives (FY11-$500K)
- National Climate Change and Wildlife Science Center funds supporting projects that are working collaboratively with NFHAP
  - Managing the Nation's Fish Habitat at Multiple Spatial Scales in a Rapidly Changing Climate (FY09-$702K, FY10-$1M, FY11-$717K)
  - Potential consequences of climate change to persistence of cutthroat trout populations (FY08-
  - $273K, FY09- $339K, FY10-$319K, FY11-$372K)

Data Synthesis, Integration, and Infrastructure

- USGS Leads the development and providing technical expertise and infrastructure for the online application that supports the national assessment map products and broad dissemination of the national data and information to resource managers and decision-makers (FY09-$80K, FY10-$101K, FY11-$207K)

Outlook of Future Funding

- For FY2012, USGS will continue to support inkind contributions of staff coordination. Future support will be evaluated on a yearly basis.