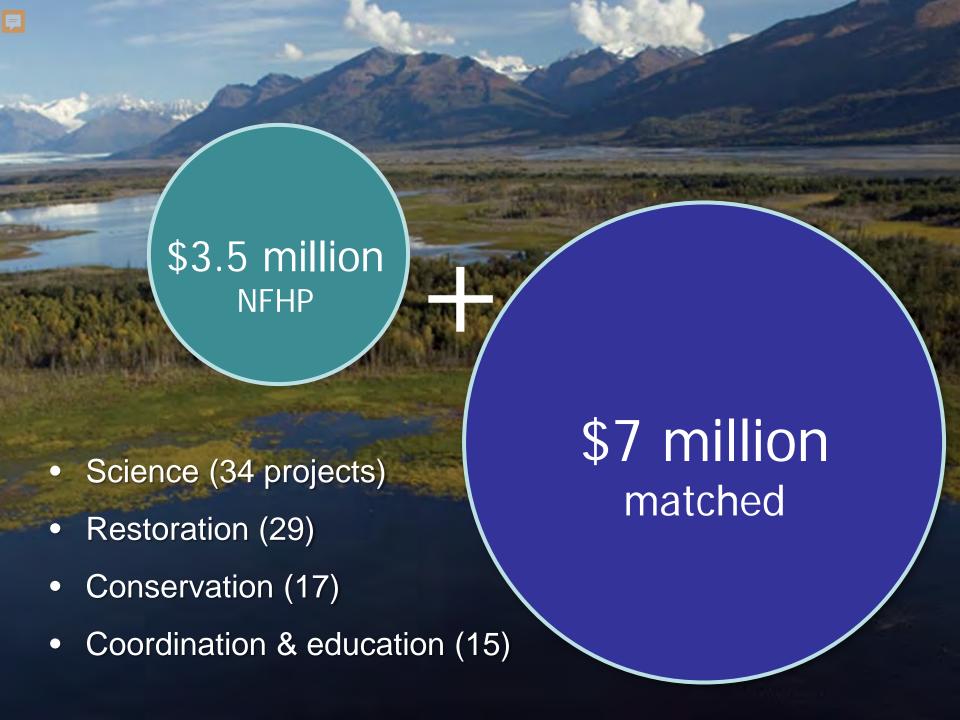
# Mat Su Salmon Habitat Partnership Project Mapper

Mapping MetaDATA

Marcus Geist, Geographer

November 13, 2019







# **Project Narratives**



#### **Projects**

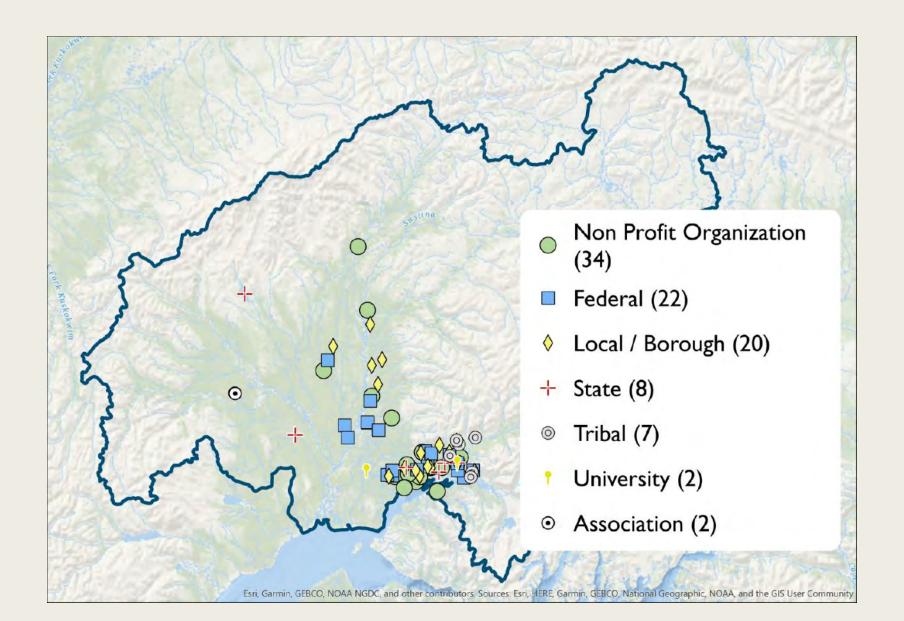
#### Projects Funded in 2012:

Matanuska River Clearwater Side Channel Habitat Conservation Project (*Great Land Trust*). Based upon assessment work conducted by the U.S. Fish and Wildlife Service, Great Land Trust and other members of the Partnership, streams and rivers were prioritized in the Mat-Su Borough and the Matanuska River side channel habitat was some of the top priority areas to conserve. The clear water side channels were identified as an important resource for juvenile salmon and other species under Strategic Plan Element 2 (Alteration of Riparian Areas). These channels are important spawning and rearing habitat for sockeye, chum and coho salmon and over 160 acres were preserved via conservation easements.

**Mat-Su Water Reservation Program Flow Data Acquisition** (U.S. Fish & Wildlife Service & U.S. Geological Survey) . Obtaining water reservations to preserve salmon habitat is a priority objective under Strategic Action Element 9 (Loss or Alteration of Water Flow or Volume). For Partnership water reservations, an interagency group (U.S. Fish & Wildlife

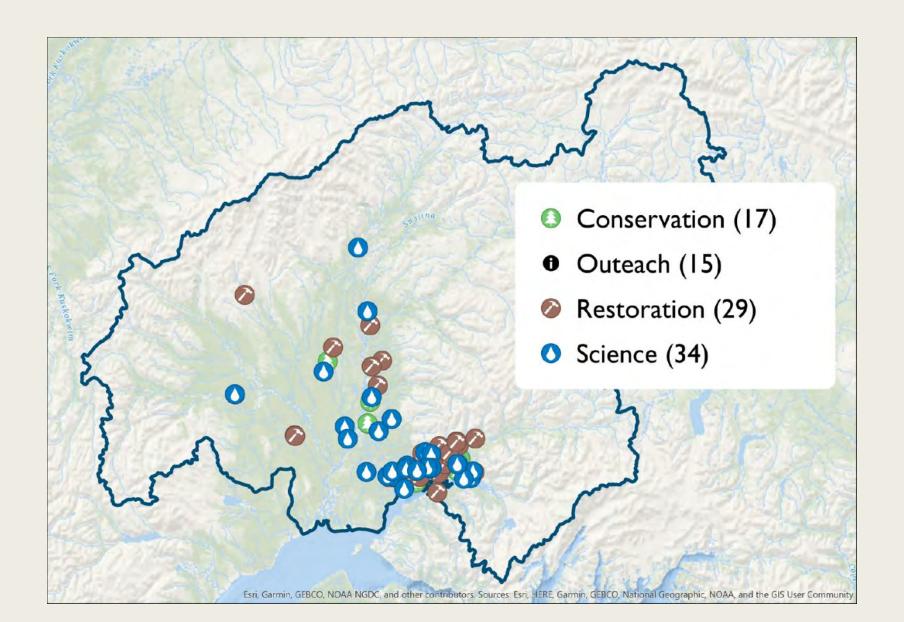


#### WHO



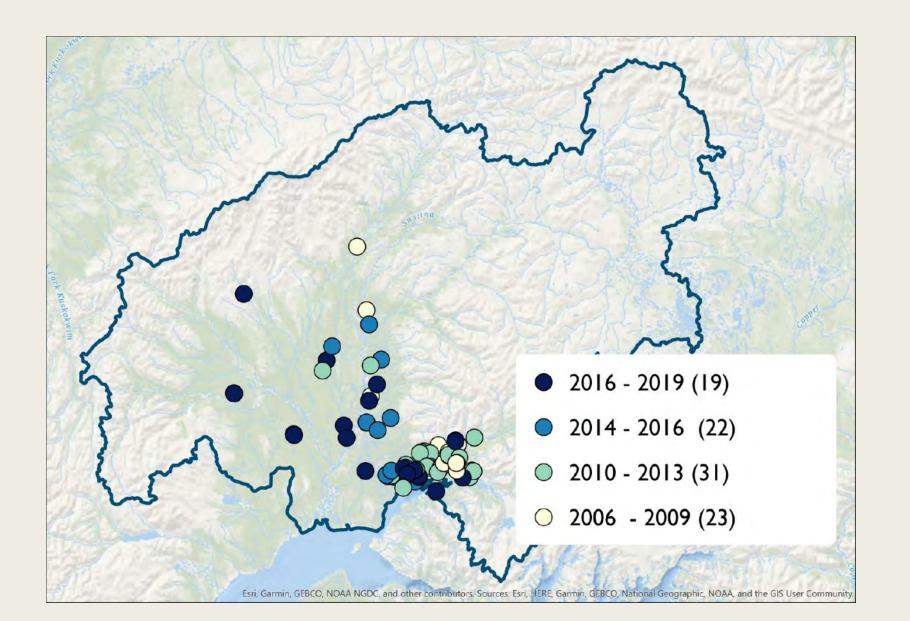


#### **WHAT**



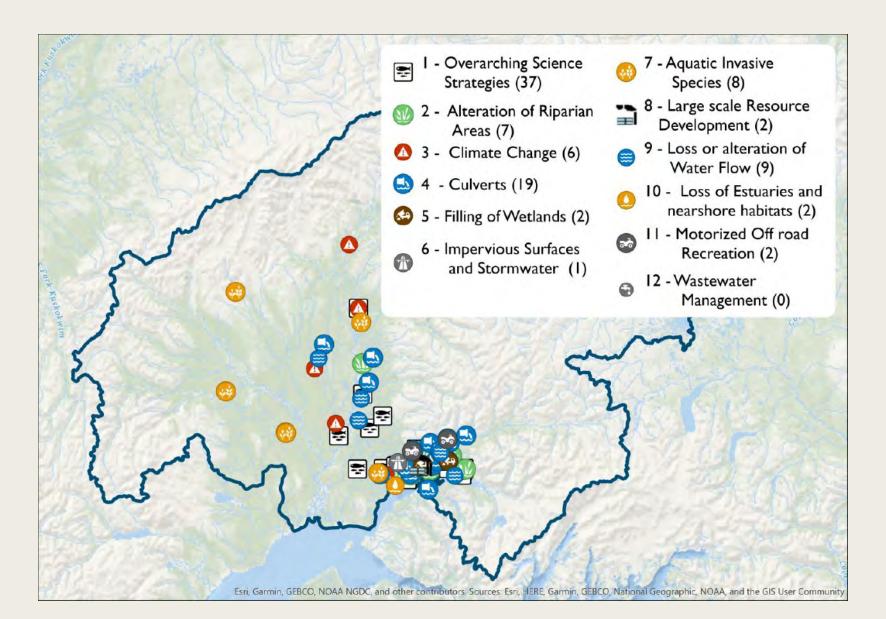


#### **WHEN**



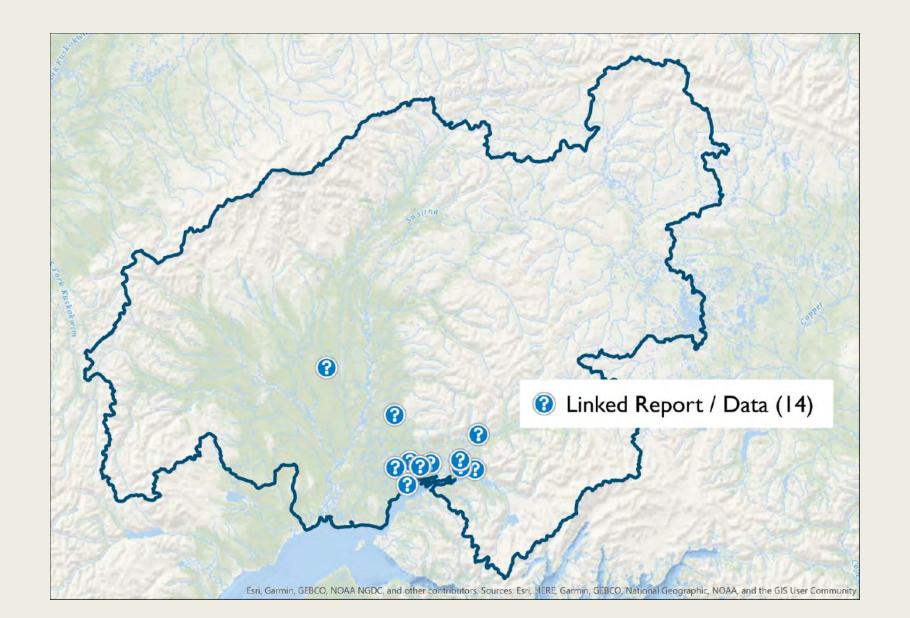


### WHICH - Strategy



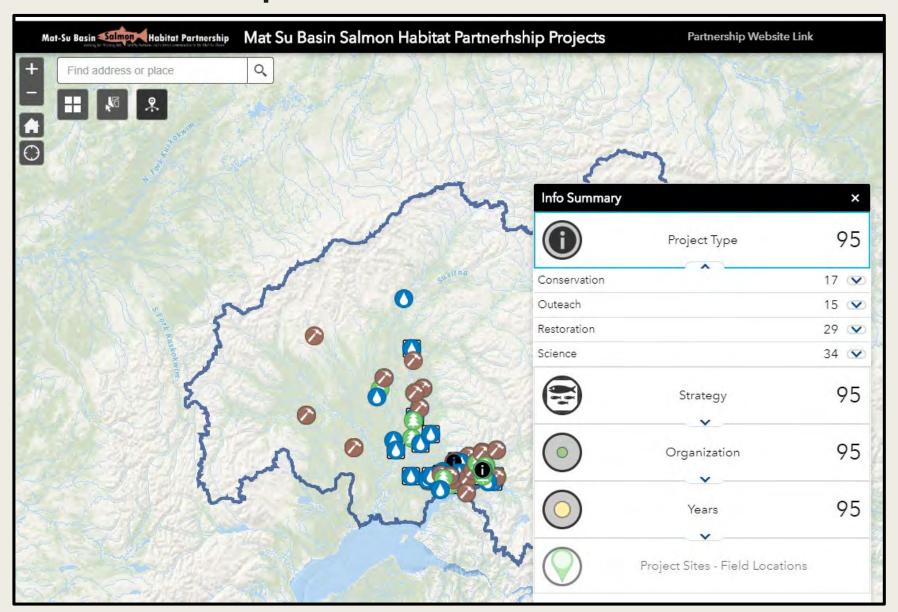


#### HOW - to access more info



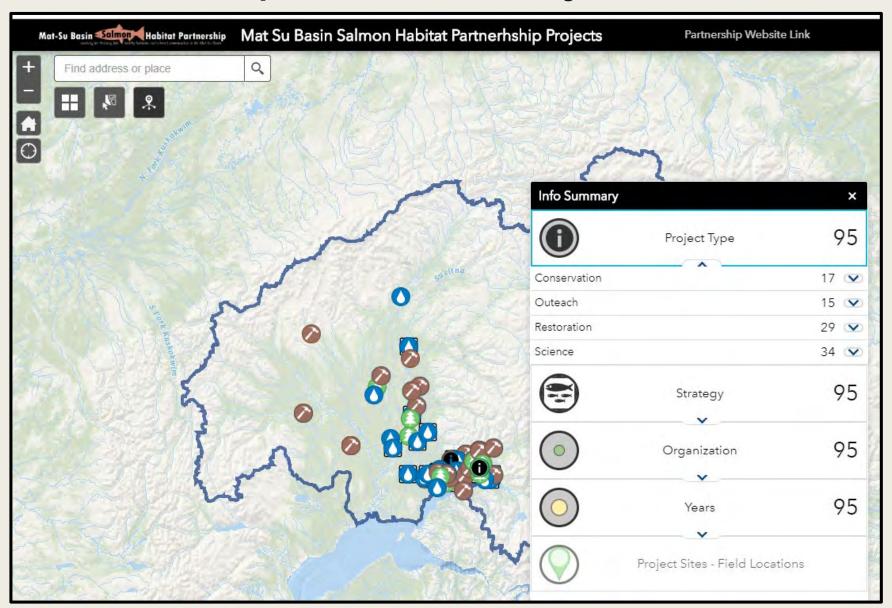


# Web Map



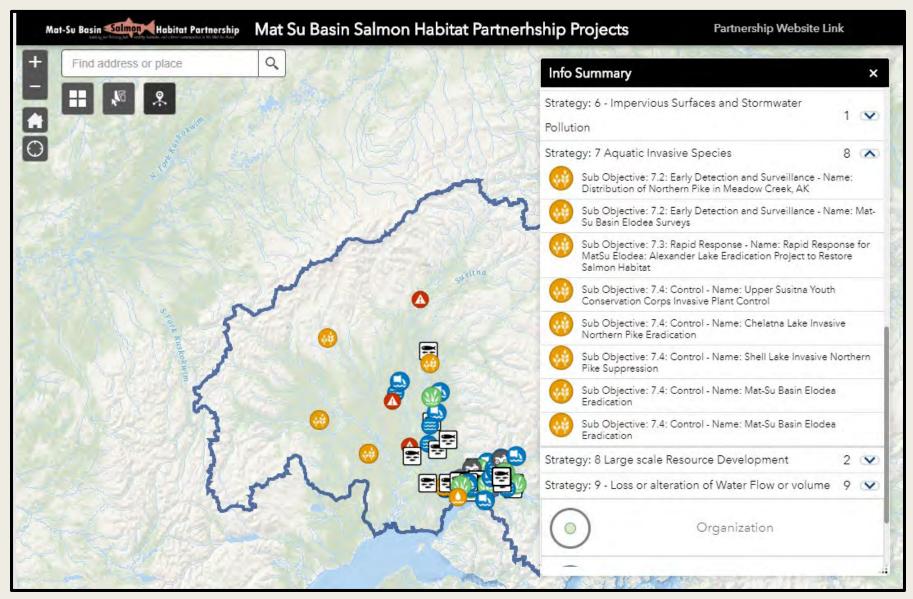


# Web Map - Search by Theme



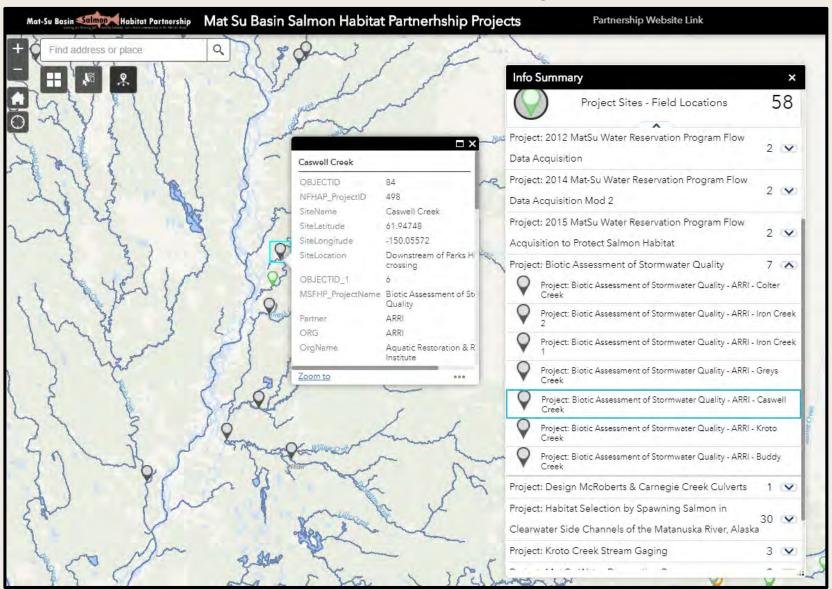


# Web Map - Search by Strategy



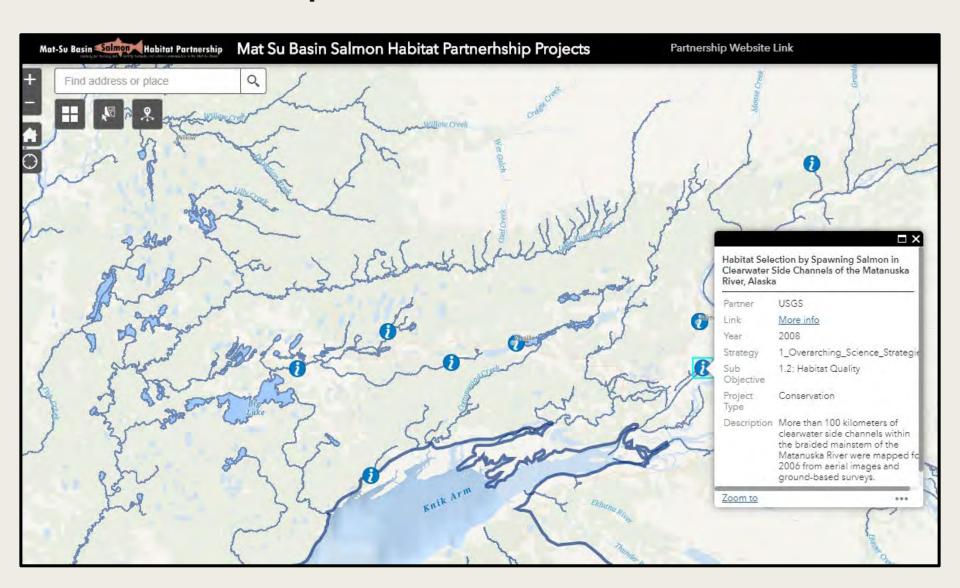


# Web Map – Search by Field Sites





# Web Map - Link to Resources





#### Partner Resources



Distribution Persistence and Hydrologic Characteristics of Salmon Snawning Habitats in

Distribution, Persistence, and Hydrologic Characteristics of Salmon Spawning Habitats in Clearwater Side Channels of the Matanuska River, Southcentral Alaska

By Janet H. Curran, Monica L. McTeague, Sean E. Burril, and Christian E. Zimmerman



#### **Abstract**

Turbid, glacially influence habitats and, consequent type. To better understan the distribution and chara compared to spawning ha within the braided mainst ground-based surveys. Ir appreciably between 194 stable during the same pet typically positioned along mainstem channels, and Physical and geomorphic at 19 side channel sites,

conditions suitable for salmon spawning in side channel respective tributary or groundwater source water. Autus salmon redds (nests) in three side channels and two tri emergence of salmon in side channels and relatively love Report PDF (4.5 MB)

- Appendix A. Description of Matanuska River Clearwater Side Channel
   Geographic Information System
   Products PDF (100 KB)
  - GIS Shapefiles (241 KB)

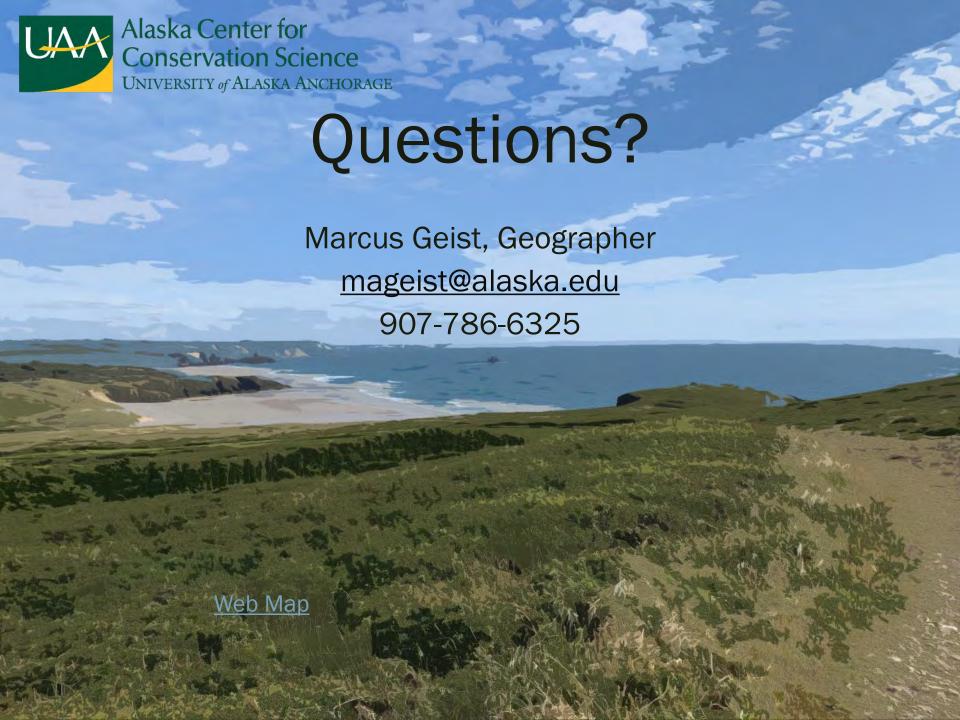
# Next Steps

■ Link Project Reports / Data

Add Field Sites (monitoring, gages, etc)

Metadata Standards for new Projects

Additional Analysis – by Watersheds?



#### METHODS – boring but necessary

- WHO completed the project
- WHAT type of project
- WHEN year
- WHICH Strategy
- HOW can I discover more info, links
- WHERE location

#### WHO

- Organization Name
- Abbreviation standardized list
  - USFWS rather than FWS or Fish
     Wildlife Service or Fish ....
- Type categories
  - Federal
  - State
  - Local

- Tribal
- Non-profit
- University

#### **WHAT**

#### Project Type

Conservation



- Outreach



- Restoration



- Science



#### WHEN

- Year Partnership project funds were issued
- Multi year projects are flagged and noted in database

# WHICH - Strategy?



I - Overarching Science Strategies



7 - Aquatic Invasive Species



2 - Alteration of Riparian Areas



8 - Large scale Resource
Development



3 - Climate Change



9 - Loss or alteration of Water Flow or volume



4 - Culverts



10 - Loss of Estuaries and nearshore habitats



5 - Filling of Wetlands



II - Motorized Off road Recreation



6 - Impervious Surfaces and Stormwater Pollution



12 - Wastewater Management

<sup>\*</sup>Partnership Strategic Action Plan 2013 with 2019 Addendum <a href="http://www.matsusalmon.org/sample-page/our-strategy/">http://www.matsusalmon.org/sample-page/our-strategy/</a>

# HOW – (to get more information)

Project Links to Partner Websites

■ Links to Reports (on MSFHP site)

■ Links to zipped datafiles

#### WHERE

■ Basin wide, Single or Multi Site

