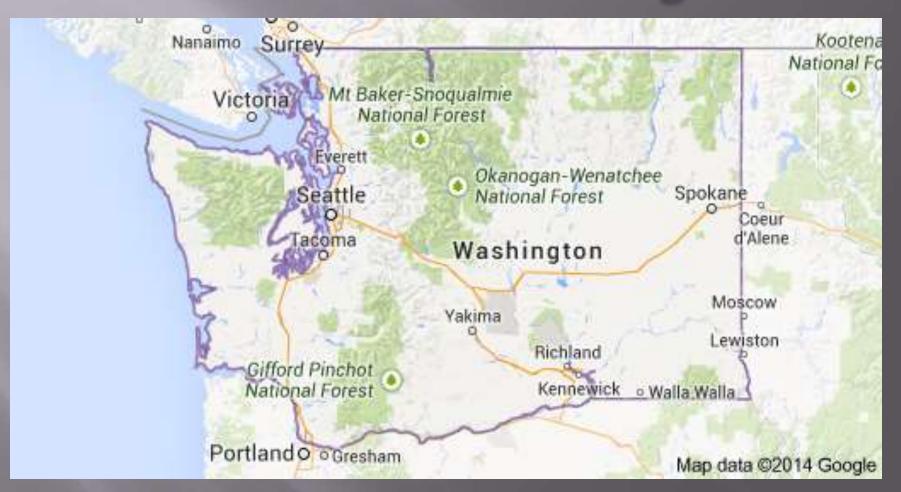
### EXAMPLES OF COLLABORATIVE ENVIRONMENTAL DATA EXCHANGE NETWORKS IN THE PACIFIC NORTHWEST

Presented at EN2014 Philadelphia, PA February 24-27, 2014

Keith Dublanica –Science Coordinator Washington Governor's Salmon Recovery Office

## The 'other' Washington



### **Exchange Network Discussion**

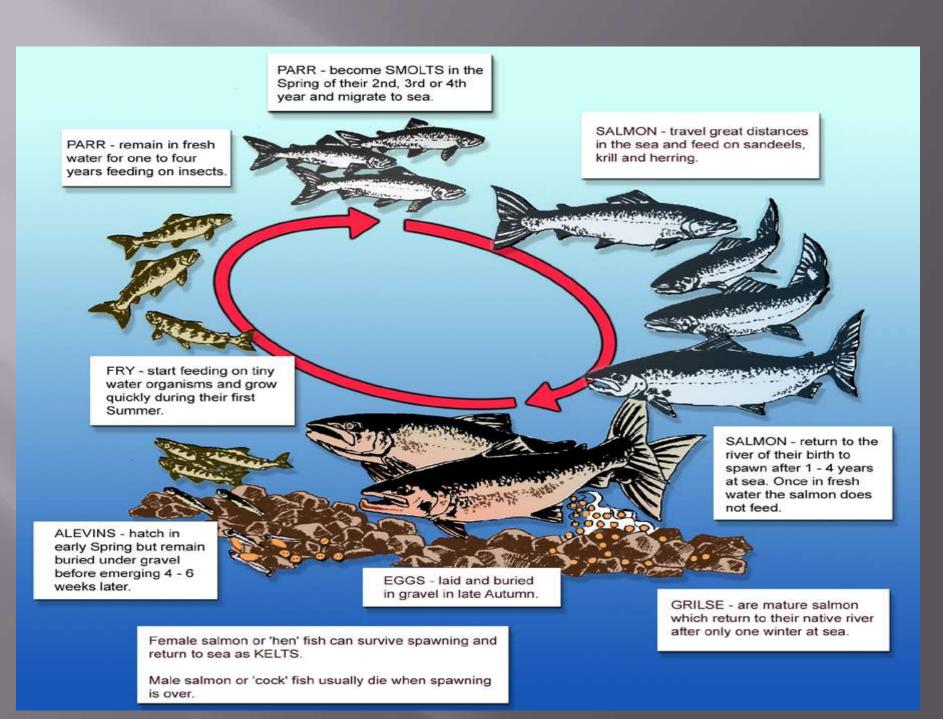
- Pacific Northwest environs
- Natural history and salmon life histories
- Tribal treaty rights (1850's) predate statehood
- Generalized locations of tribes and watersheds
- "Co-management" of fisheries resources
- ESA- listings of WA salmon stocks
- Clean Water Act relevance
- Exchange Network opportunities/partnerships
- Current and future initiatives

Exchange Network relevance specific to "co-management"

- Boldt Decisions (US v. Washington 1974) led to co-management b/w Washington state agencies and the treaty tribes
- Unique relationship b/w tribes and state
- Salmon as cultural icon
- Endangered Species Listings of WA stocks
- Salmon 'indicator species' of watershed health due to life history behaviors -fresh and salt H20
- EN opportunities with "co-managers"

### The "EN" case

Tribal "usual and accustomed" areas Puget Sound, Washington Coast, Columbia basin – salmon recovery basins within Salmon are anadromous (hatch / rear in fresh) water - migrate to sea - return to to spawn) Juvenile salmon migration (JMX) National Hydrography Dataset (NHD) Washington Integrated Fish Distribution



### National Hydrography Dataset and Washington Fish Distribution

National Hydrography Dataset

#### (NHD)

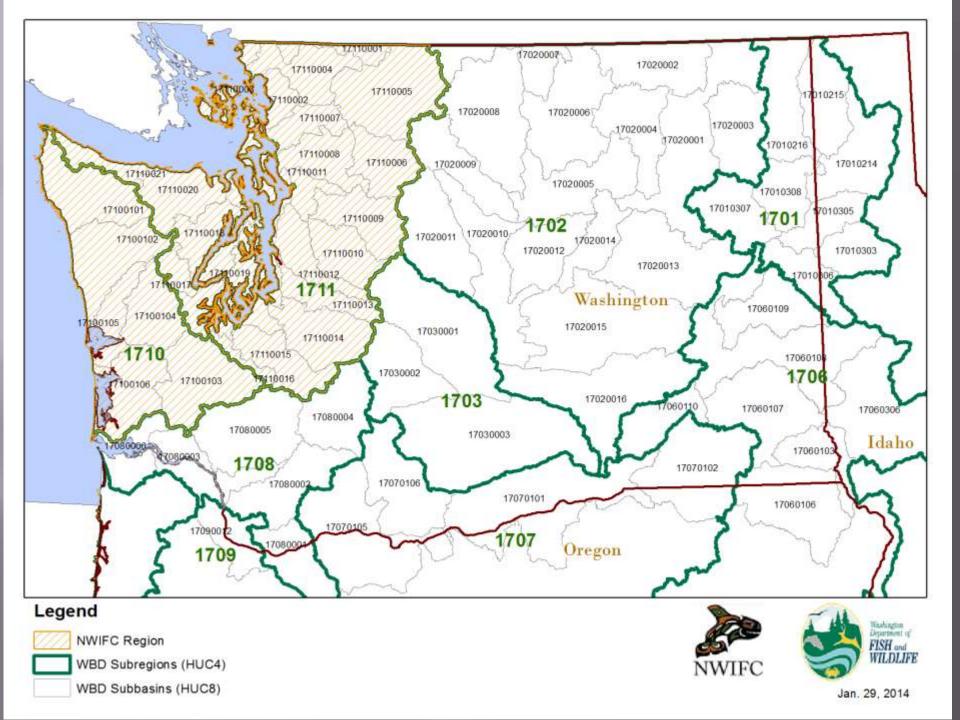
(WIFD)

Washington Integrated Fish Distribution
 Summary and narrative and products
 Stream events layered with Distributions

(this EPA – EN project completed December 31, 2013)

■ SalmonScape (WDFW) web link

http://wdfw.wa.gov/mapping/salmonscape/salmonscape\_info.html



### Specific Partnerships in EN

 NW Indian Fisheries Commission & Washington Department of Fish and Wildlife partners in Juvenile Migrant Exchange (JMX)

same partners in (NHD)
 same partners in Near Shore Exchange (NSX)

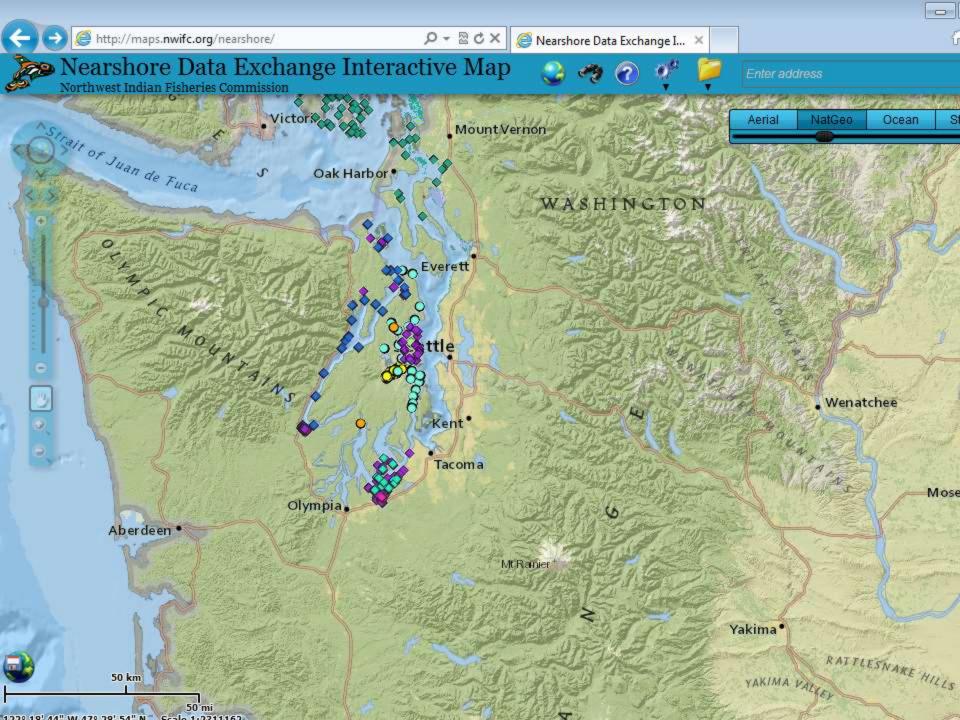
Columbia InterTribal Fish Commission
 WDFW, USGS -Coordinated Assessments (CAX)

□ Federal nexus - CWA, ESA, fiduciary relationship

# EN supports coalition building and collaboration

- "Co-Management" b/w state and tribes
- Salmon life histories
- Varied jurisdictions
  - State
  - Federal
  - U and A
  - International
- Salmon recovery regions
- Lead Entities (Washington Salmon Coalition)

EN brings data sets together JMX pulls tribal and state juvenile data NSX pulls tribal and state near shore data NHD pulls hydrography and fish distribution CAX pulls coordinated information and data WQX pulls state water quality data



### EN draws attention of policy makers to issues

### Salmon Recovery Funding Board

- JMX, NSX, NHD
- AMX, NHD2 (pending)

Northwest Power and Conservation Council

- Coordinated Assessments in the Columbia Basin
- Salmon Recovery Regions of Washington
- Puget Sound Partnership
- NOAA -NMFS
  - 5 year review of salmon recovery regional plans
- Informs Congressional delegation

Selected EPA Exchange Network Initiatives in place

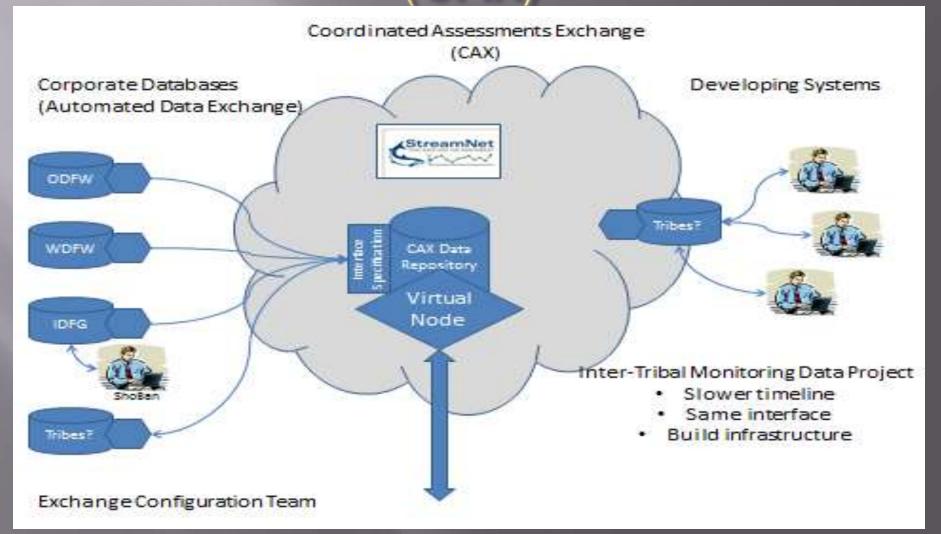
- Juvenile Migrant Exchange
- Nearhsore Data Exchange (NSX)
   Presented earlier by Windsor Solutions / NWIFC
- National Hydrography Dataset
- Coordinated Assessments
   Just commenced

(CMX)

(NHD)

(JMX)

### Coordinated Assessments Exchange (CAX)



### Pending Exchange Network Initiatives

Submitted by RCO / WDFW / NWIFC last November 2013 - awaiting review & ranking

- Adult Salmon Exchange Summarize submission
- Next iteration of NHD w/ USGS (NHD2) Summarize submission

Other?	
<ul> <li>Monitoring Metrics Exchange ?</li> </ul>	(MMX) ?
Estuarine Data Exchange ?	(EDX) ?

USGS – BPA – CRTIFC – NWIFC – EPA-WDFW- RCO -PSP FY 2015

(AMX)

### InterAgency Commission > Recreation & Conservation Office

Celebrating 50 YEARS of conservation
 ESA listing of salmon stocks in 1990a
 Salmon Recovery Funding Board (SFRB)
 The Governor's Salmon Recovery Office ③
 "The Washington Way"
 Salmon Recovery Regions
 Lead Entities – Washington Salmon Coalition

## Thank you

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