

## Washington Department of Ecology

#### Linking Environmental & Human Health Data

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#### Outline

- WA Ecology's historical and planned activities with the Exchange Network
- 10,000 foot view of Ecology's network node implementation which is a core component of the Exchange Network
- How we are using the "plumbing" of the Exchange Network to link environmental & human health data between WA DOH and Ecology

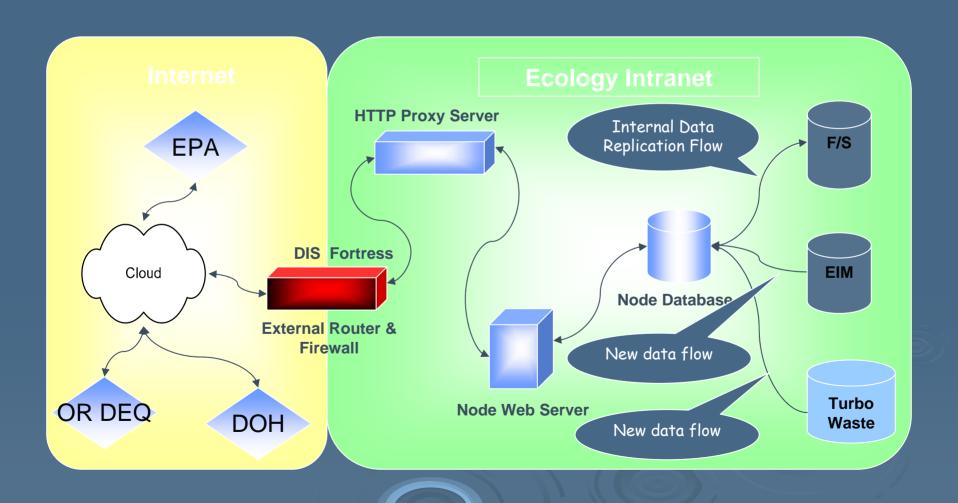
# Ecology's History With The Exchange Network

- > Network Node Implemented 2003
- Facility/Site State to EPA Data Flow Implemented 2003
- Pacific Northwest Water Quality Data Exchange (OR, WA, ID, AK) – <u>State to State</u> Data Flow Implemented - 2004
- Water Quality Permit System State to EPA Data Flow to PCS via IDEF) - 2004
- Hazardous Waste Shipment Data State to State Data Flow (WA, OR) - 2004
- Fish Tissue Data <u>Agency to Agency</u> Data Flow (DOH, ECY) - 2004

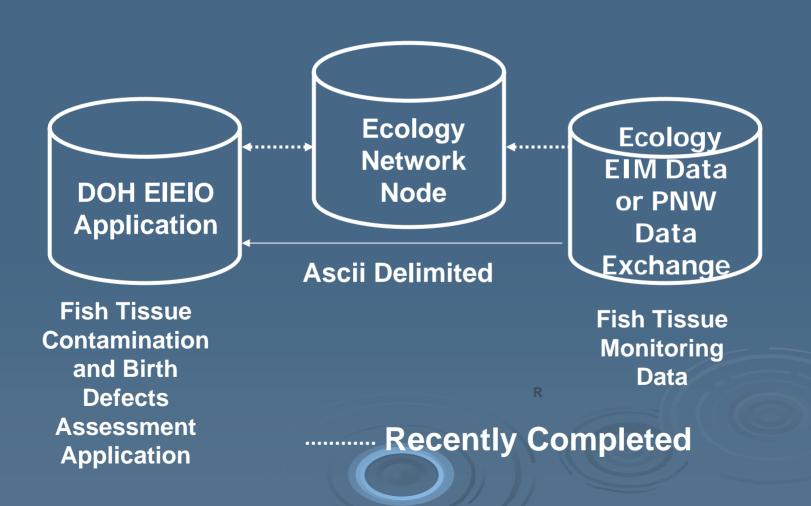
## Ecology - Exchange Network Future Activities

- RCRA Waste Handler Data <u>State to</u>
  <u>EPA</u> Data Flow
- Natural Heritage Biodiversity Data <u>State</u> <u>to State</u> Data Flow - Challenge Grant (DE (lead state), IL, NatureServe, WA Ecology, WA DNR)
- > AQS Data State to EPA Data Flow

# Ecology Network Node Implementation



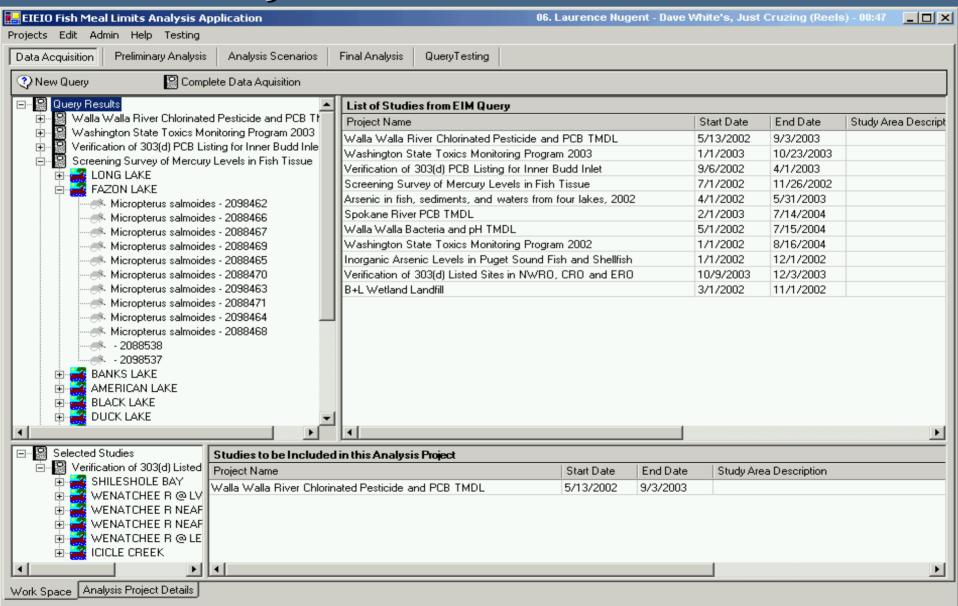
# WA DOH & WA Ecology Linking Environmental and Human Health Data



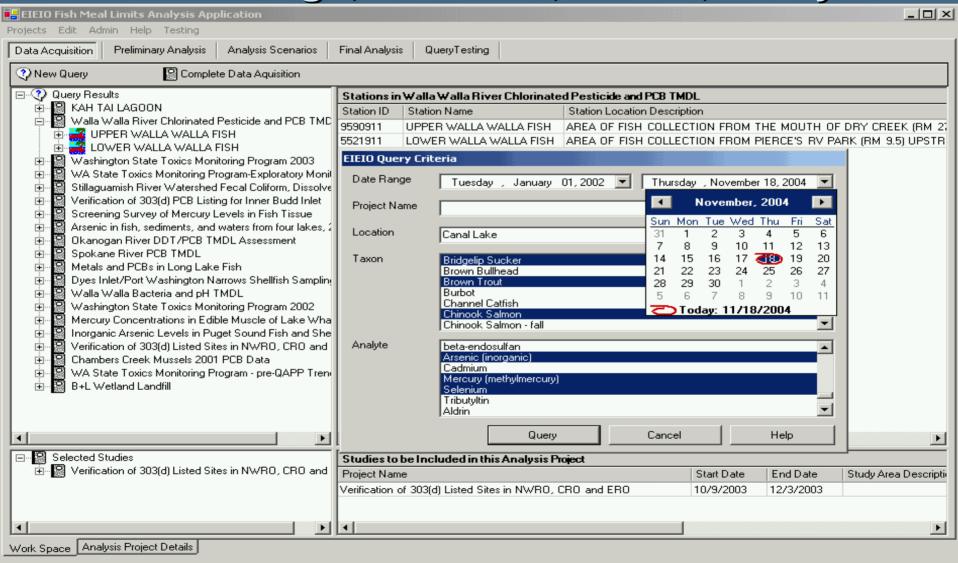
## DOH EIEIO Application

# Fish Tissue Contamination and Birth Defects Assessment Application

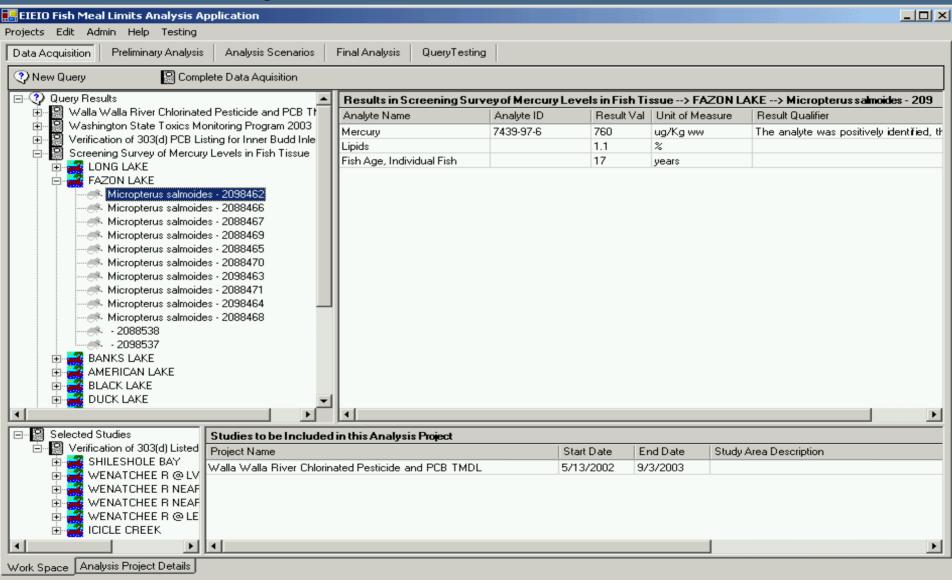
#### DOH EIEIO Application – Screen Shot 1 Query Results – List of Studies



# DOH EIEIO Application – Screen Shot 2 Query Results Date Range, Location, Taxon, Analyte



### DOH EIEIO Application – Screen Shot 2 Query Results – List of Results



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## Summary

- Several examples of linking data between states or state agencies using the "plumbing" of the Exchange Network
  - Linking waste shipment data between OR & WA
  - Linking environmental & human health data between DOH and Ecology
- > We'd Like to Hear From You!

### Thank-You!

