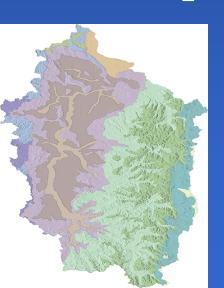


Willamette River Historic Condition

- > Complex braided channels
- > Islands
- > Wide, diverse flood plains
- Extensive bottomland forest, wet prairies, wetlands/riparian areas





Willamette Subbasin Changes Historic Condition

- Total area of river channels and islands decrease by 50% (1850 to 1995)
- Length decreased from 355 to 264 miles
- 30% decline in small floodplains along tributaries-70% decline of islands in tributaries
- Bottom line: loss of diversity and complexity

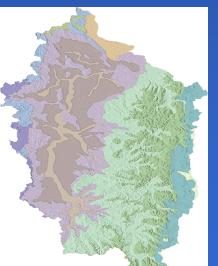
Willamette Subbasin Focal Habitats-Current Status

- **➢Oak Woodlands-7%**
- **>Upland Prairies-1%**
- **> Wetland Prairies-2%**
- ➤ Riparian Areas-30%



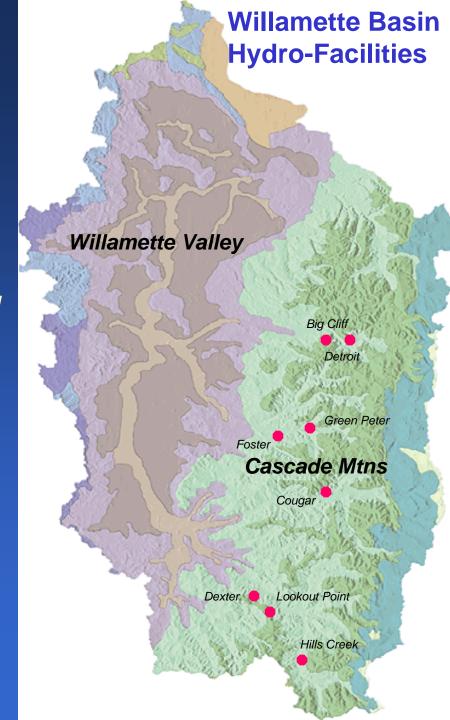
Willamette Subbasin Demographics

- Fastest growing-68% of state population-4 million by 2050
- > 97% private land
- ➤ Land use conversion: suburban developments and habitat loss
- ➤ Land matrix: small parcels with high value



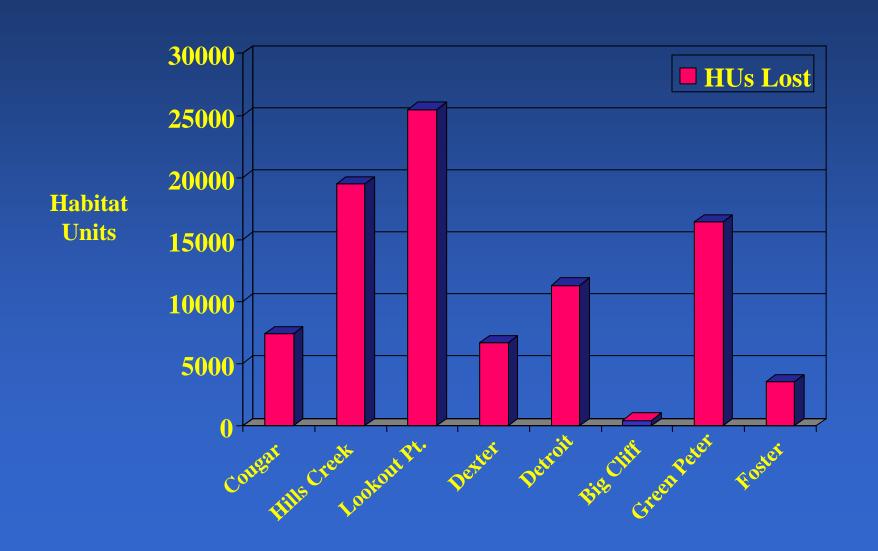
Willamette Subbasin Plan Conservation Focus

Section 5.2.2.3-"Willamette Valley has lost 80% of its bottomland forests, 97% of it natural grasslands, and nearly 100% of its oak savanna. Restoration efforts should now focus on these valley and hillside habitats to benefit the unique and sometimes rare wildlife species that live there."





Impact Assessment Results Willamette River Dams-94,306 HU



Guiding Documents

- > NPCC Fish and Wildlife Program
- > Willamette Subbasin Plan
- **➤ Oregon Conservation Strategy**
- > Willamette Biological Opinion

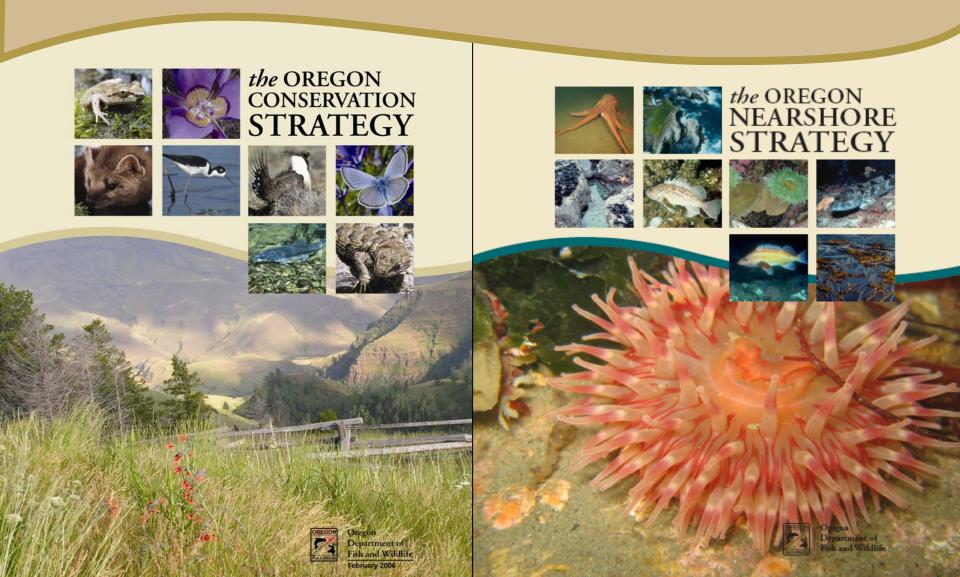


The Oregon Conservation Strategy -

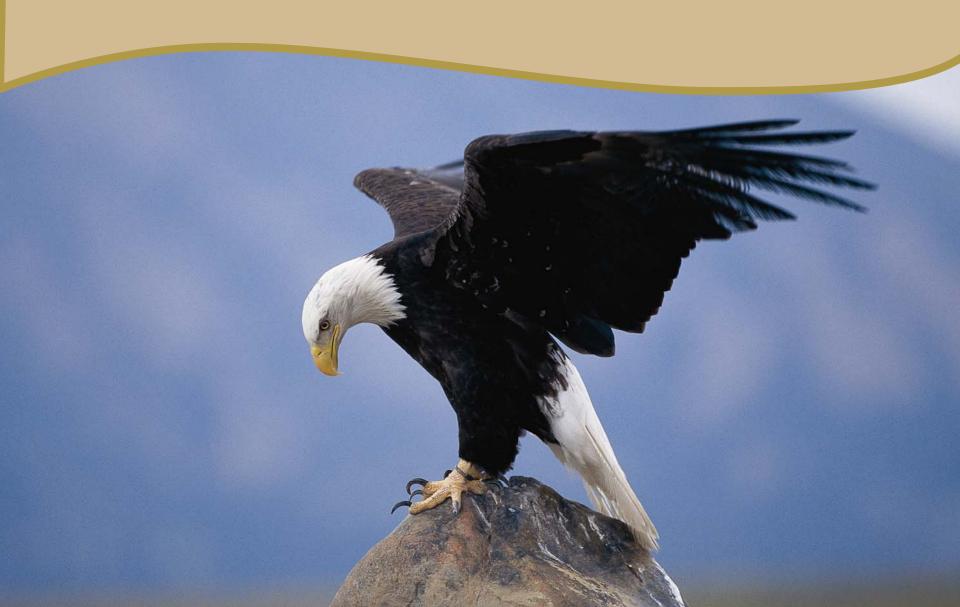
healthy habitats for wildlife and people



Comprehensive Statewide Strategy



Linked to Unprecedented National Effort



Includes Wildlife, Fish, Plants, Amphibians and Invertebrates



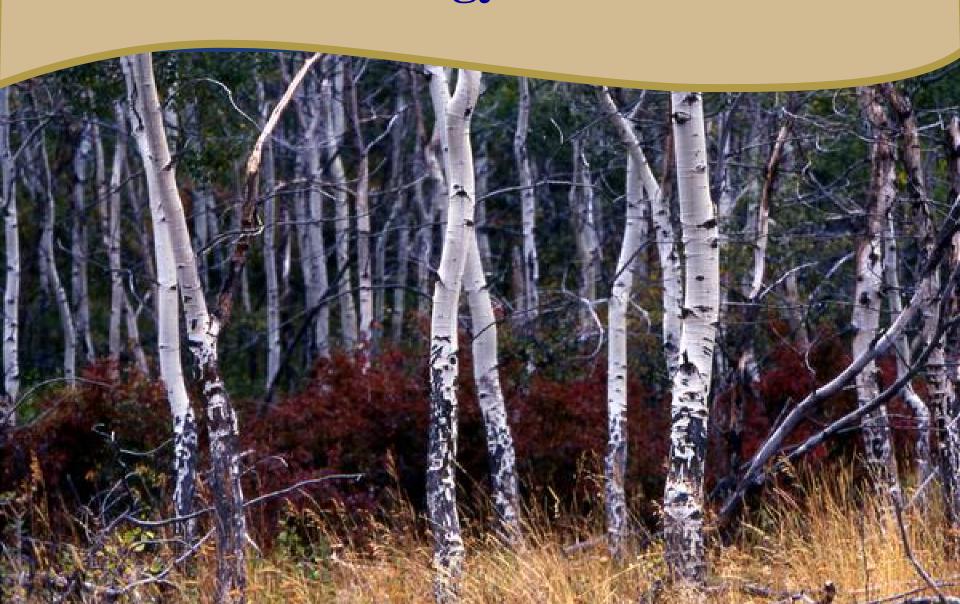
Six Key Conservation Issues



8 Ecoregions



11 Strategy Habitats

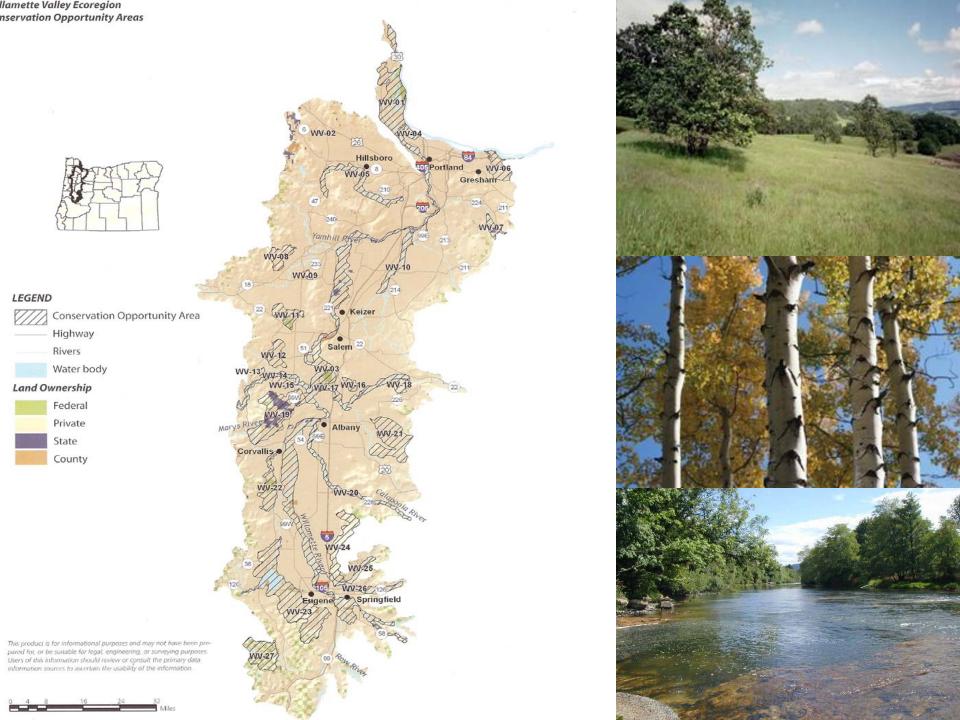


286 Strategy Species



Conservation Opportunity Areas

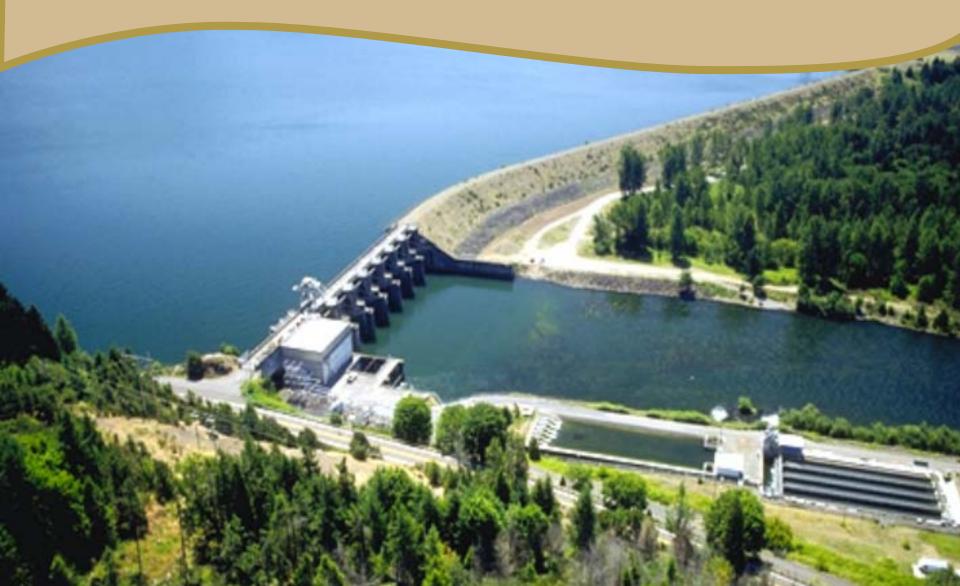




Energy Development and Impacts on Wildlife



Allocation of Water Resources and Impacts to Aquatic Species and Floodplain Functions



Impacts of Climate Change on Oregon's Species and Habitats



Partnerships and Collaborations

- The Nature Conservancy
- Greenbelt Landtrust
- Trust for Public Lands
- USACOE
- USFWS
- McKenzie River Trust
- Friends of Buford Park
- City of Corvallis
- Trout Mountain Forestry
- Middle Fork Willamette Watershed Council
- Northwest Habitat Institute
- Zena Timber
- Willamette University
- Willamette Partnership
- University of Washington/Montana
- Oregon State University
- Bonneville Power Administration
- Oregon Department of Forestry
- Scientific Certification Systems





- > Conservation Aggregations
 - a) Strategic Focus of Investments
 - b) Provide Habitat Complexity
 - c) Cost/share and Partnerships



- > Conservation Opportunity Areas
 - Confluence sites
 - Areas contain ecologically valuable species/habitats
 - Aggregations of protected areas



- > Flexible and Opportunistic
 - Working Landscapes
 - Easements/Fee Title
 - Cost/Share



Willamette Subbasin Mitigation Projects





2007-2009: Over 2000 Additional Acres in the Willamette Basin are Permanently Protected





Willamette Subbasin Mitigation Projects Mt Pisgah





Mt Pisgah/Buford Park

1000+ acres

Habitat Types:
Riparian/Riverine
Wet/Upland Prairie
Oak Woodland







Willamette Floodplain Restoration Study Coast and Middle Forks Willamette

Cooperative (USCOE, ODFW, BPA, TNC and Willamette Partnership) multi-year project to restore floodplain functions by allowing river to act more like a river.

- Conservation of floodplain lands
- **Restoration of riparian corridors**
- **▶** Protection of bio-sensitive channel banks





Willamette Subbasin Mitigation Projects Big Island

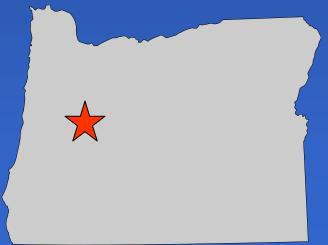




Big Island Willamette Subbasin

Implemented in 2001 108 acres

Habitat Types:
Riparian Forest
Riverine
Wetlands











Big Island

Project Activities:

- Invasive species removal
- Native planting
- Restoring hydrology
- Road decommission
- Species Management

Willamette Subbasin Mitigation Projects Green Island







Green Island Willamette Subbasin

Implemented in 2003
1100 acres
Habitat Types:
Riparian Forest
Upland/Wet Prairie
Riverine
Wetlands

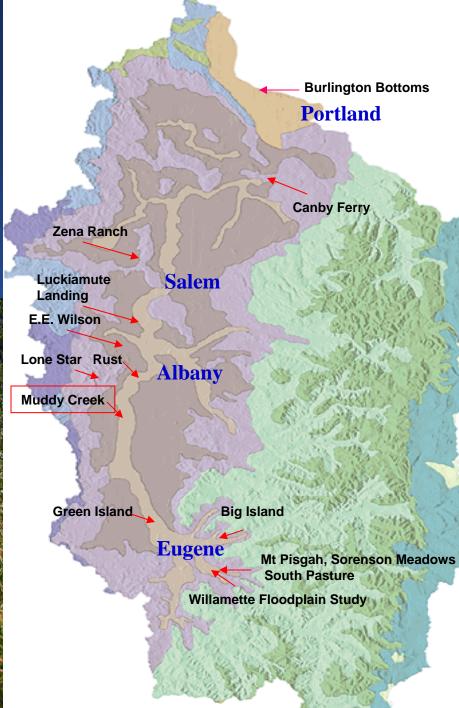






Willamette Subbasin Mitigation Projects





Muddy Creek Willamette Subbasin

Implemented in 1999 220 acres

Habitat Types:
Riparian Forest
Wet Prairie
Wetlands







Willamette Subbasin Mitigation Projects Lone Star





Lone Star Willamette Subbasin

Implemented in 2008
200 acres

Habitat Types:
Upland Prairie
Oak Savanna







Willamette Subbasin Mitigation Projects EE Wilson

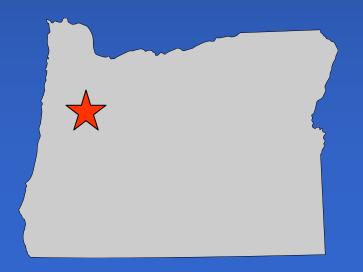




EE Wilson Willamette Subbasin

Implemented in 2006 150 acres Habitat Types: Upland/Wet Prairie

Wetland













Willamette Subbasin Mitigation Projects Zena Timber

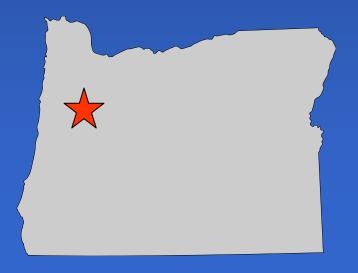




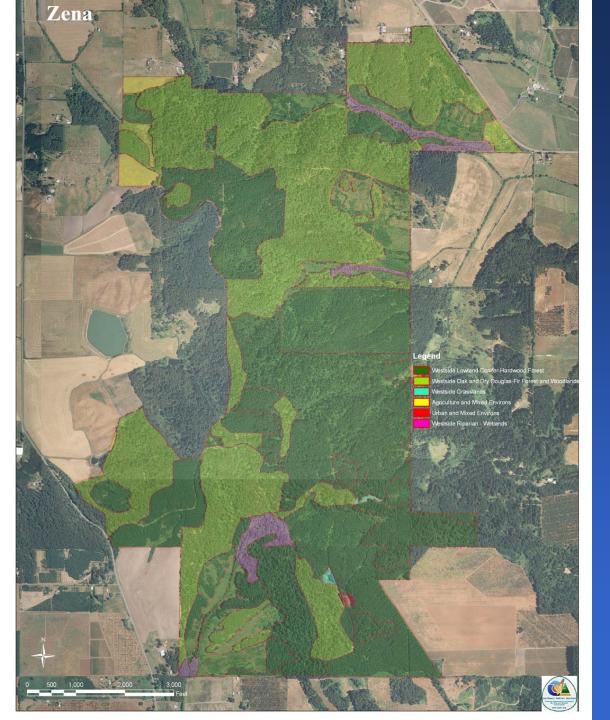
Zena Forest Willamette Subbasin

Implemented in 2007 2000 acres

Habitat Types:
Upland Prairie
Oak Savanna/Woodland
Late Successional Conifer









- >FSC Standards
- **>** Sustainability
- ➤ Unique Partnerships
- **▶** Carbon Credits
- **>**Aggregations





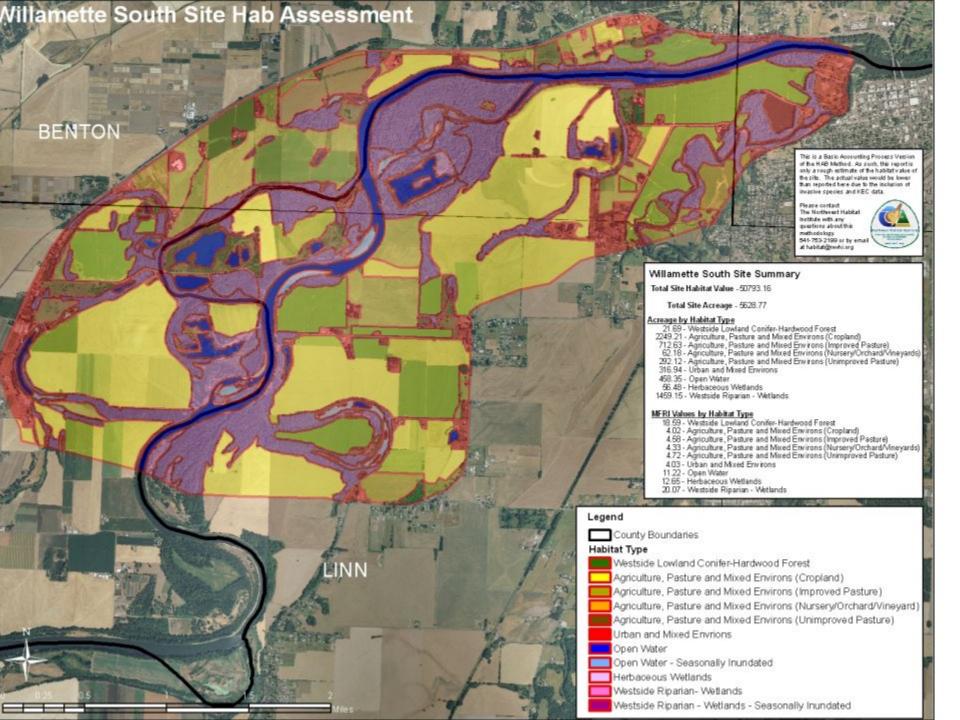


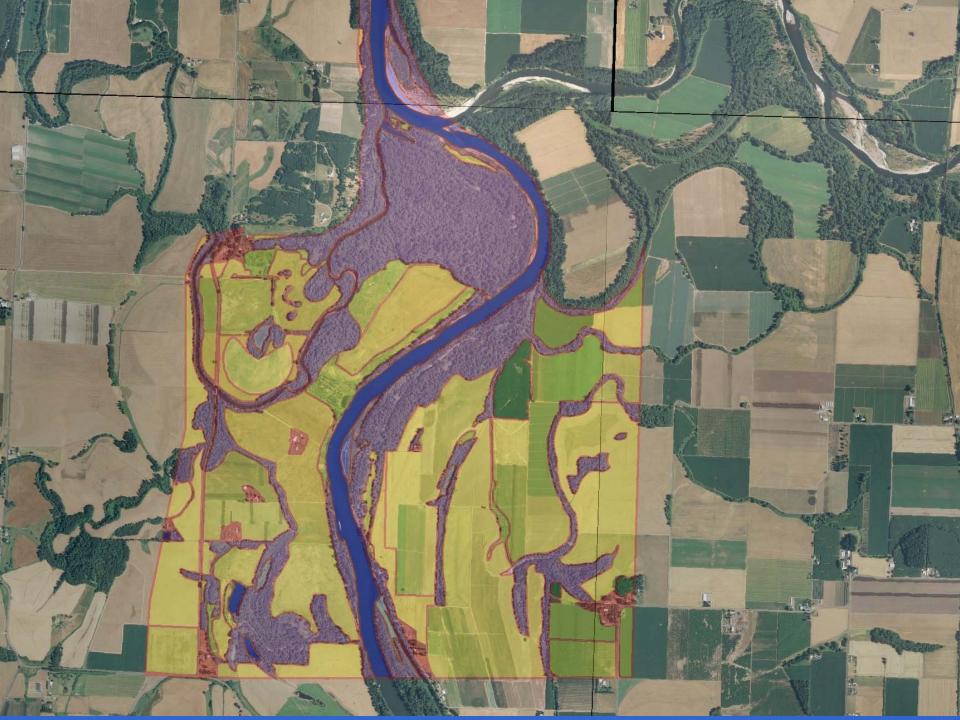


2009 Project Activities

Project Activities:

- 2 Willamette River Easements- 2009
- 1 Luckiamute River Easement-2009
- On-going Projects
- Camp Adair
- Beaver
- Assessments and Management Planning





Monitoring and Evaluation

- **Biological Assessments**
- > Management Planning
- > On-going Surveys (Avian, Herps, Aquatic, Plants etc)







Monitoring and Evaluation

- Conservation Strategy: Fish and Wildlife Monitoring Team
 - Selection of Strategy Species
 - Associations with Strategy Habitats





