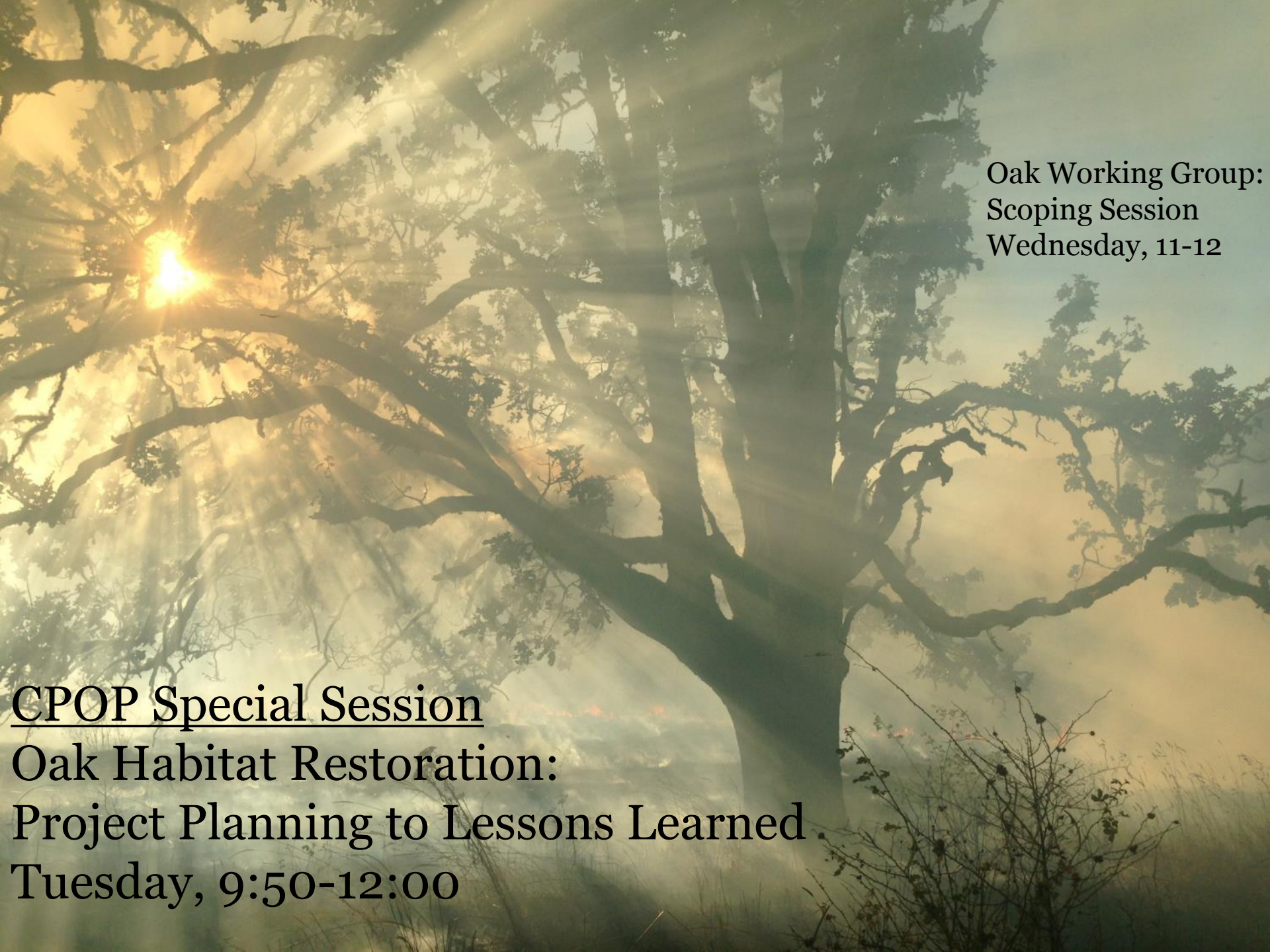




Oak Working Group:
Scoping Session
Wednesday, 11-12

CPOP Special Session
Oak Habitat Restoration:
Project Planning to Lessons Learned
Tuesday, 9:50-12:00

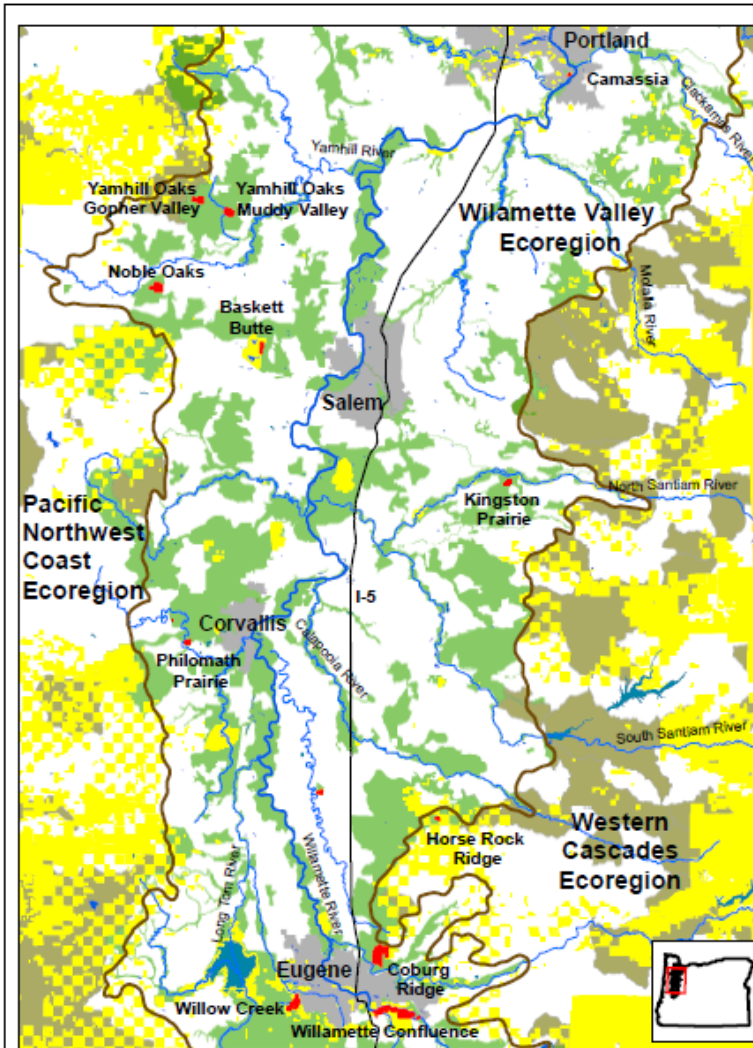
From Oaks to Fish: Oak Project Synergies with Instream and Wetland Restoration Needs



Matthew Gibbons
Willamette Valley Restoration Project Manager



TNC WV Preserves



Willamette Valley TNC Preserves

Data Sources: TNC, Willamette Synthesis 2.0, BLM, USFS, USFWS, Metro, McKenzie River Trust, Eugene Rivers to Ridges.

Map Created: October 2014

Legend

- River
- Interstate 5
- Willamette Valley Ecoregion
- TNC Preserve
- Other Protected Land
- WV Conservation Opportunity Area
- Ecoregion Portfolio Outside the WV
- Major City/UGB



Preserve	Ownership	Acres
Basket Butte	Easement	155
Camassia	Fee	30
Coburg Ridge	Easement	1276
Cogswell-Foster	Fee	91
Horse Rock Ridge	Easement	61
Kingston Prairie	Fee + Easement	155
Noble Oaks	Fee	473
Philomath Prairie	Easement	129
Willamette Confluence	Fee	1305
Willow Creek	Fee	518
Wren Prairie	Fee	9
Yamhill Oaks - Gopher Valley	Fee	302
Yamhill Oaks - Muddy Valley	Fee	315
Total		4,820

0 10 20 40 Miles



TNC Oak Projects

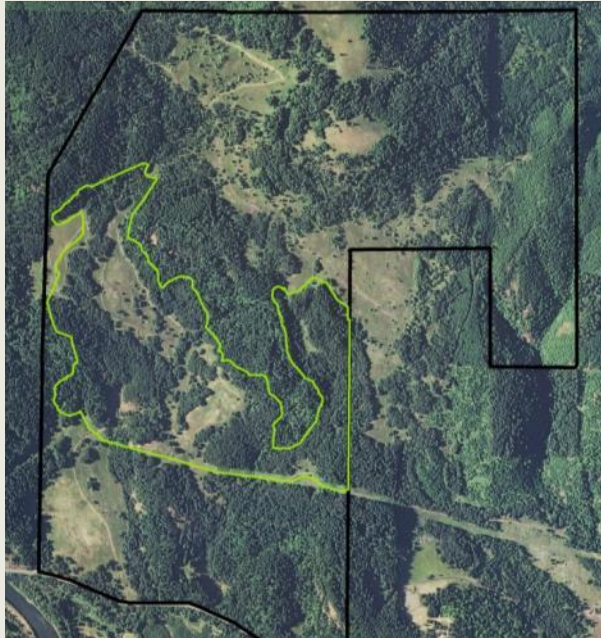


TNC Oak Projects



TNC Oak Projects

Coburg Ridge



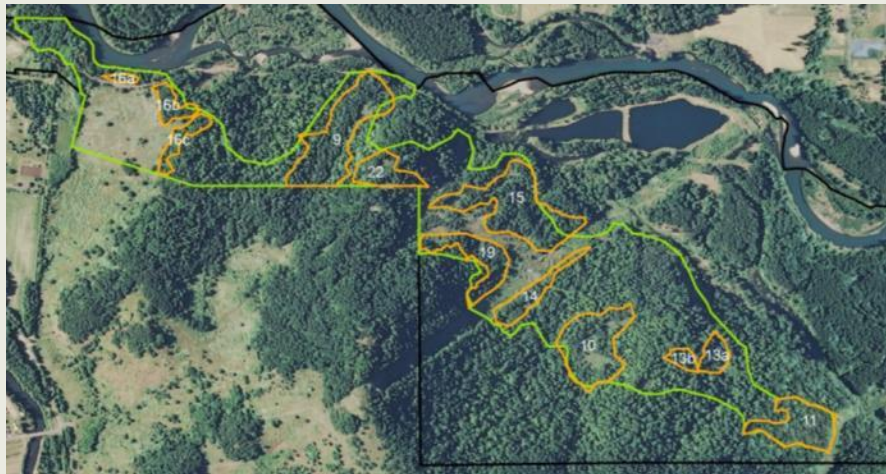
Willow Creek



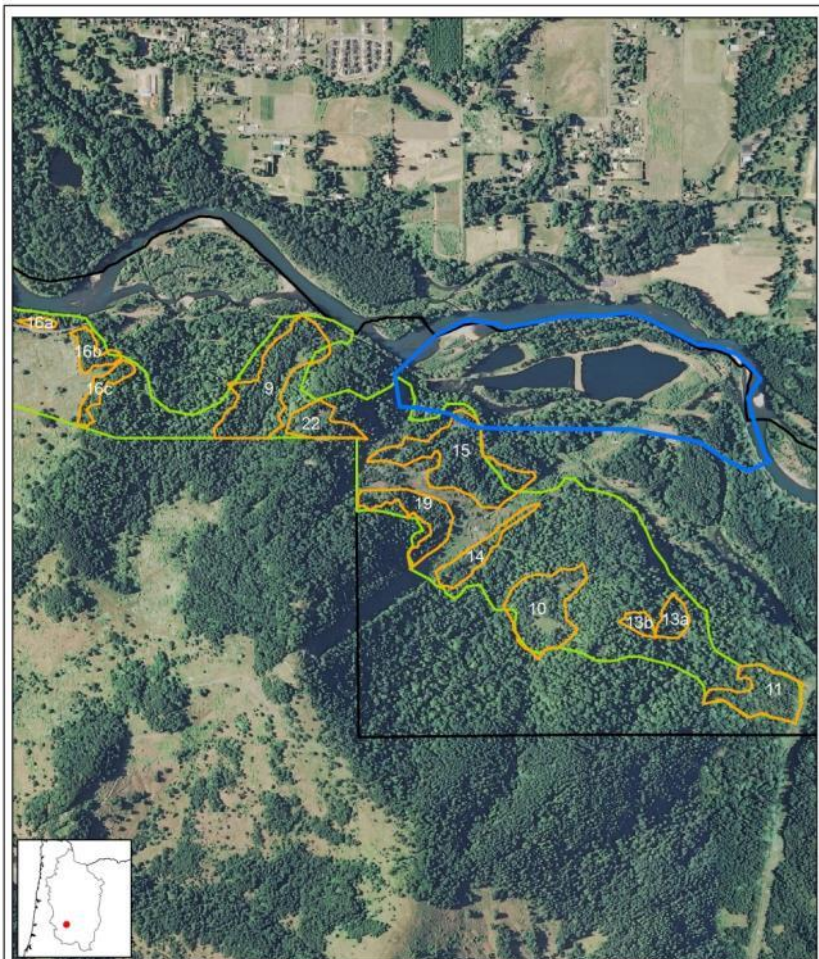
Yamhill Oaks- Muddy



Willamette
Confluence



TNC Freshwater Projects



Willamette Confluence

Legend

OWEB 2012 Boundary

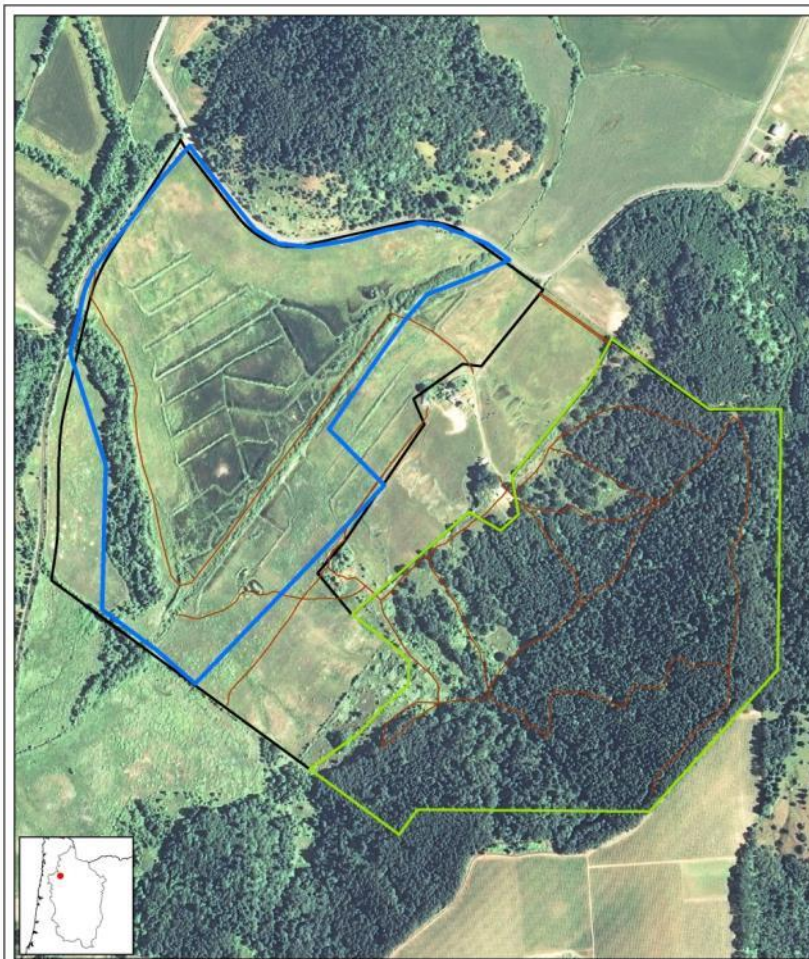
NAIP2012

Map created Oct 2015

 floodplain restoration project areas

 OWEB 2012 Boundaries

0 150 300 600 Meters



Yamhill Oaks - Muddy

Legend

OWEB 2012 Boundary

NAIP2012

Map created Oct 2015

 WRP_WV_2007

 OWEB 2012 Boundaries

0 90 180 360 Meters

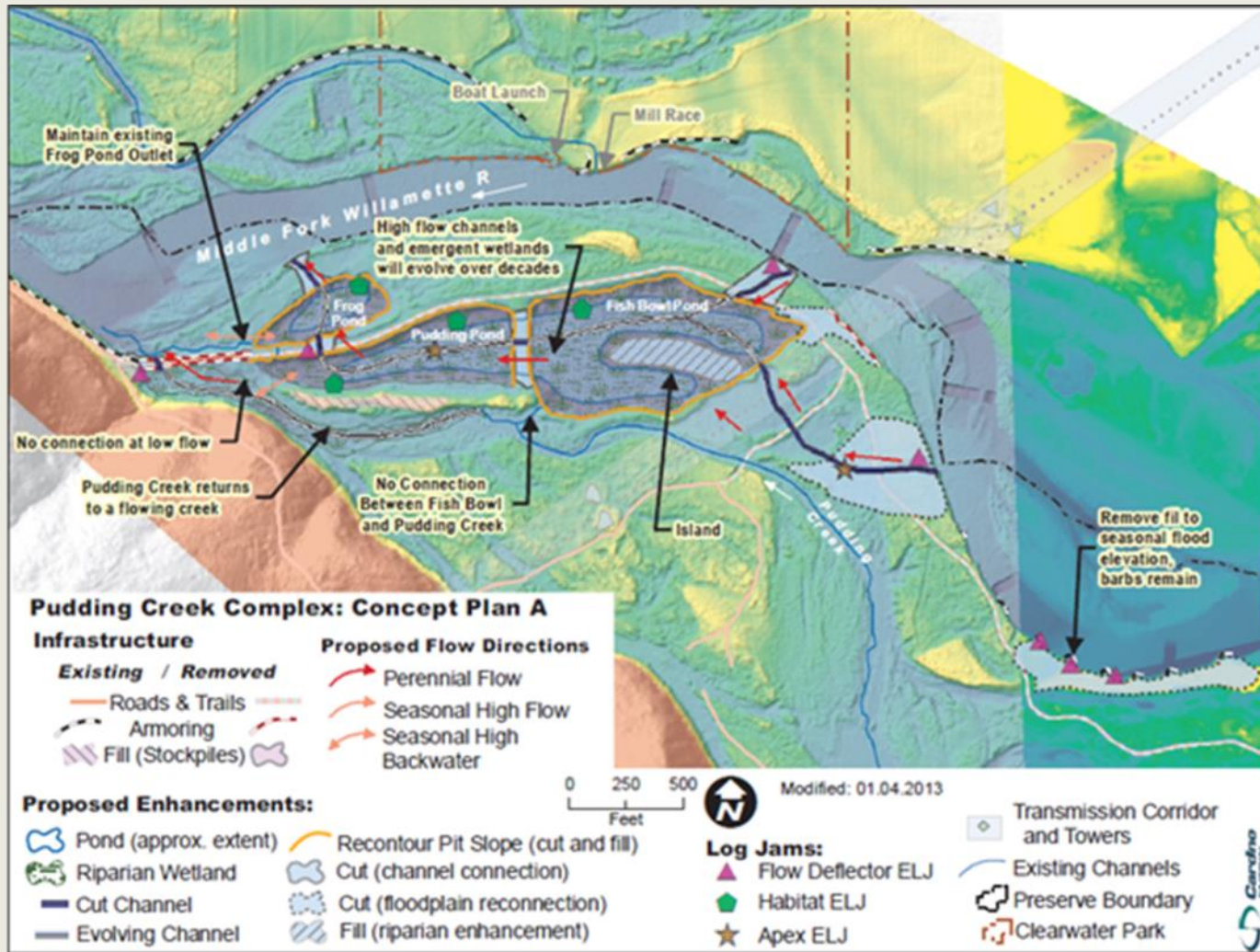


TNC Freshwater Projects





TNC Freshwater Projects



Project Nexus

Oak

Timber,
Biomass,
Contractor
Capabilities

Freshwater

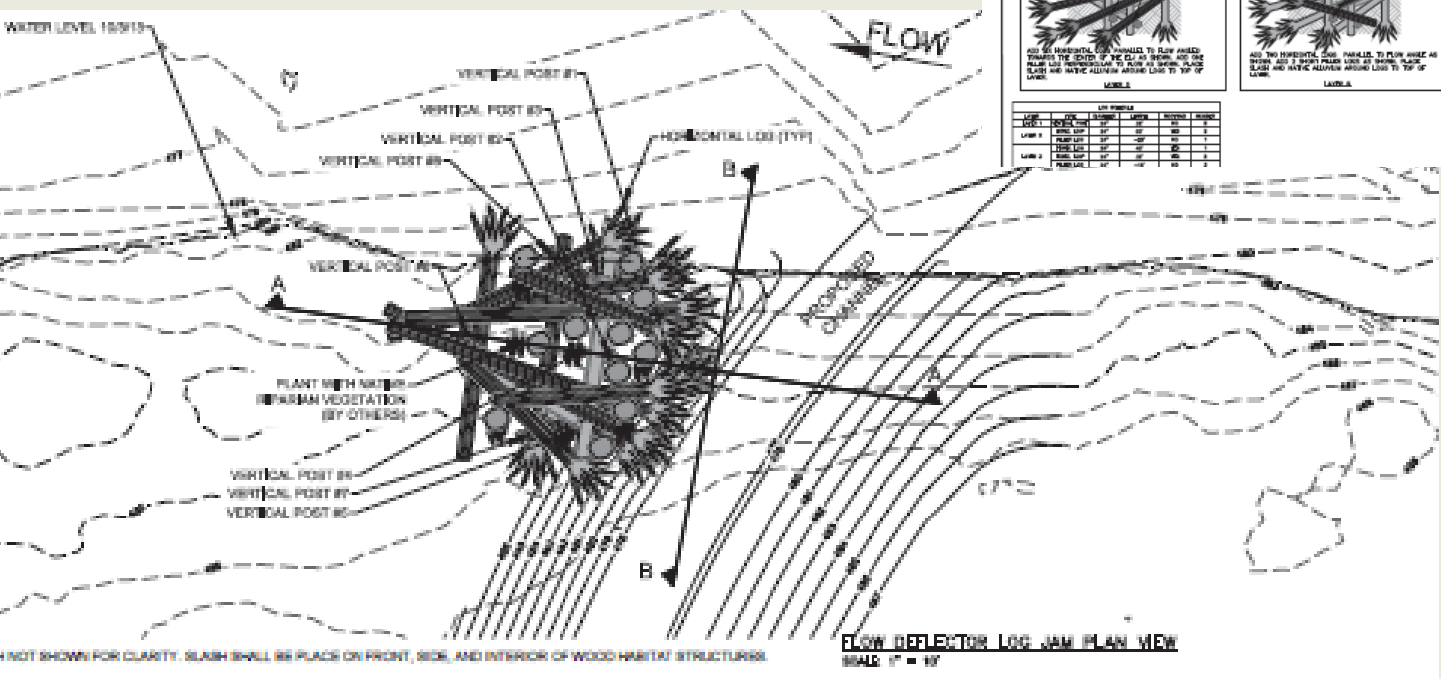
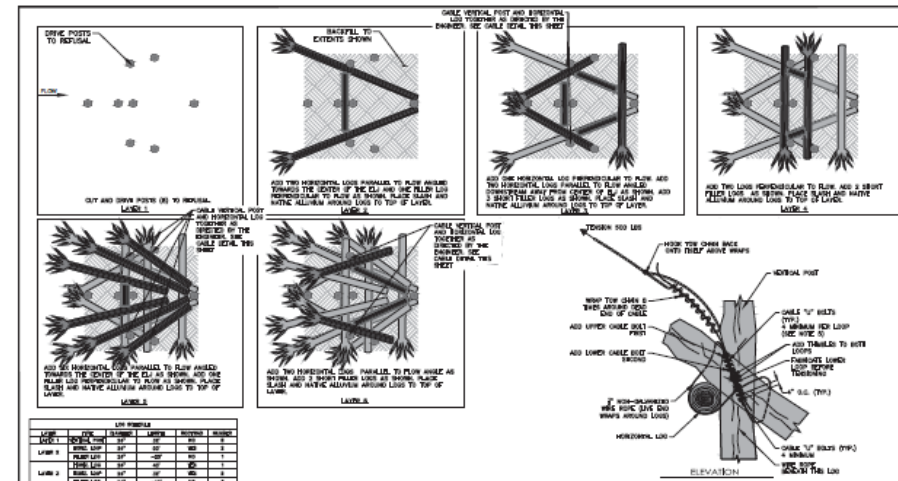
Woody
material
restoration
needs

Willamette Confluence: Habitat Log Jams





Willamette Confluence: Engineered Log Jams



NOT SHOWN FOR CLARITY. SLASH SHALL BE PLACED ON FRONT, SIDE, AND INTERIOR OF WOOD HABITAT STRUCTURES.

Willamette Confluence: Engineered Log Jam



Willamette Confluence: Log Basking Structures



Willamette Confluence: Biomass



Willamette Confluence: Biomass



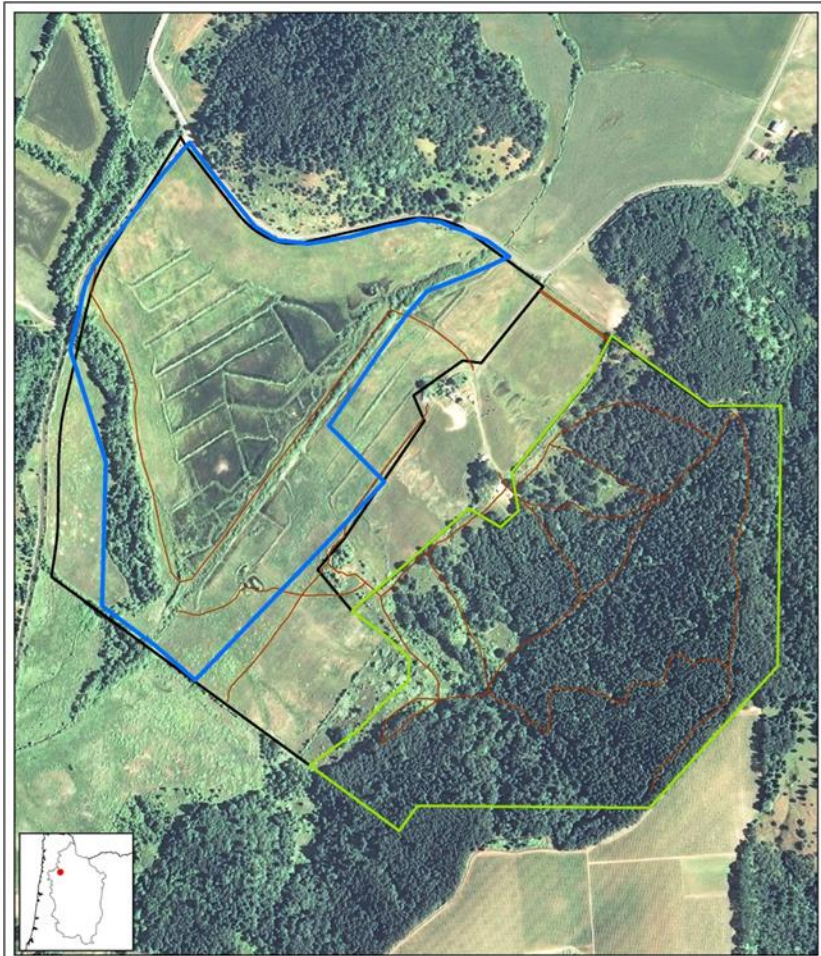
Willamette Confluence: Project Aerial



Willamette Confluence: Project Pipeline



Yamhill Oaks- Muddy:



Yamhill Oaks - Muddy

OWEB 2012 Boundary

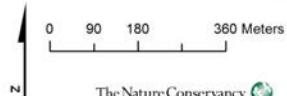
NAIP2012

Map created Oct 2015

Legend

 WRP_WV_2007

 OWEB 2012 Boundaries



Yamhill Oaks – Muddy: Conifer Logs



Yamhill Oaks – Muddy: Hardwood Logs



Freshwater: Cost of Material



Freshwater: Efficiency



Freshwater: Emissions



Oak Projects: Costs

- Oak restoration projects are expensive
 - @\$1K-3K/acre gross
- Changing timber market
- Biomass – negative net value
- Variable factors

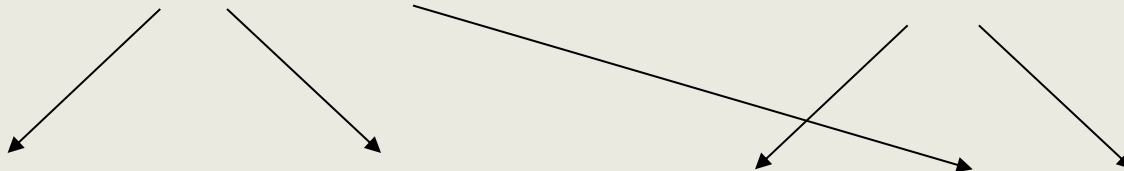


Oak Projects: Material Markets

conifer



hardwood



saw logs



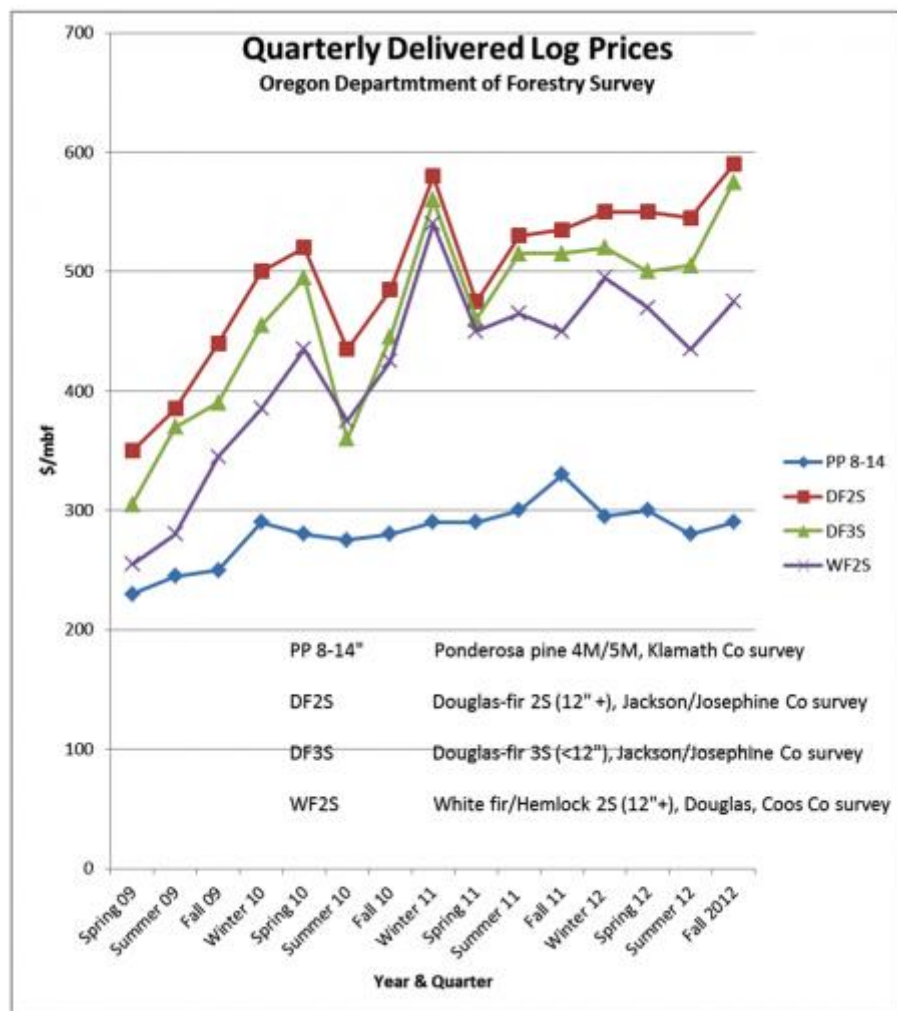
pulpwood



chips



Oak Projects: Sawlogs



Timber from 9/1/15 Voucher :
\$380-\$650/MBF revenue
\$450/MBF in cost

Oak Projects: Biomass

- Pulp: \$/ton
-\$20/ton Net
- Chips: \$/ton
-\$40 to -\$70/ton Net



Gaps/Opportunities

- Site Synergies?
- Project Synergies?
- Decking for future?
- Inter-restoration market?



Questions?

