

Natural Landscape Features & the Reserves

August 12, 2009

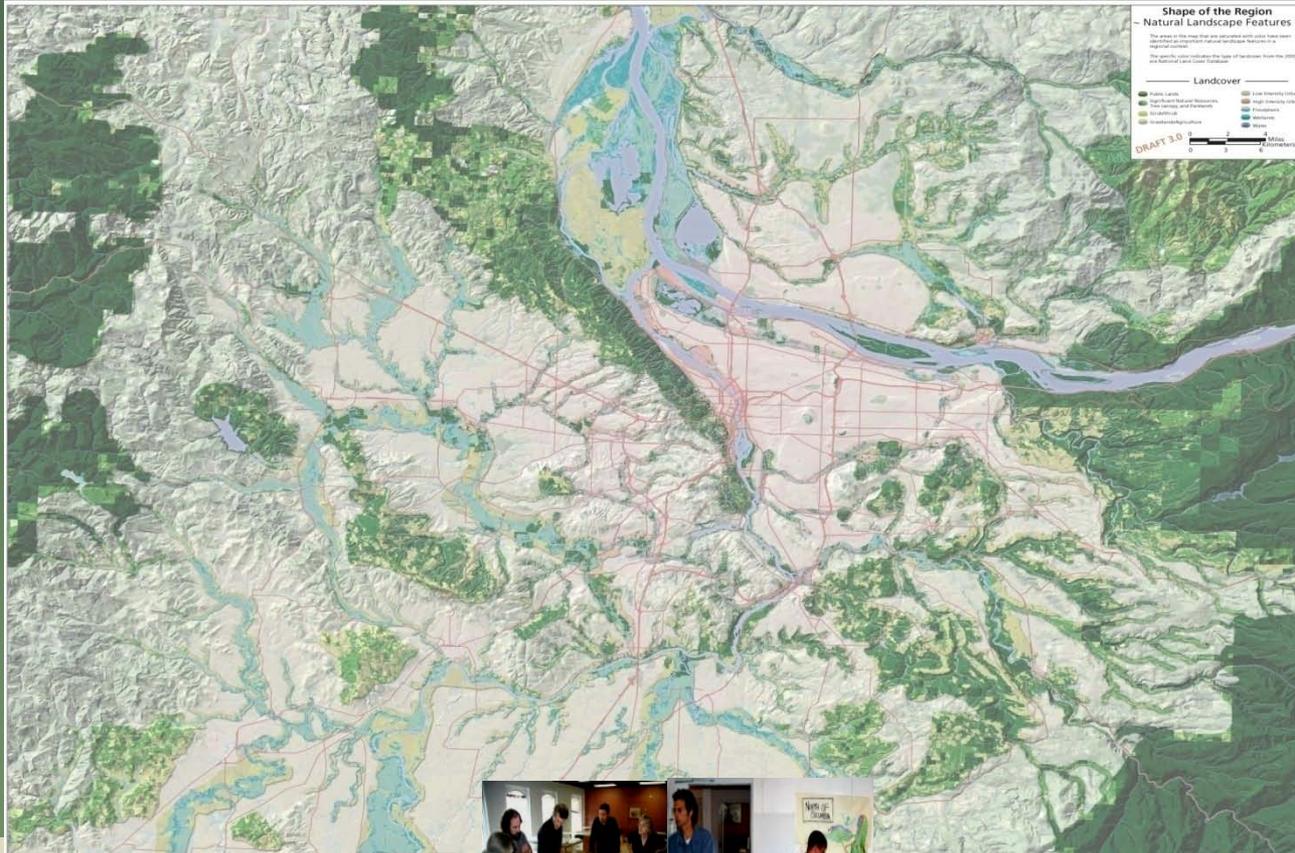
- 1) Origin of the Natural Landscape Features Inventory
- 2) How NLFIs have been refined for the Reserves process
 - 1) October 2008
 - 2) July 2009
- 3) The richness of the data can inform the Reserves process

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2006-2007

Original Natural Landscape Features map



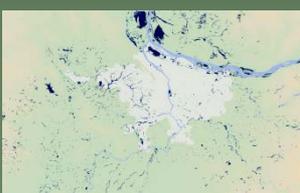
ODFW



Flood Plains



Title 13



Wetlands



Nature Conservancy 2006



Alternative Futures



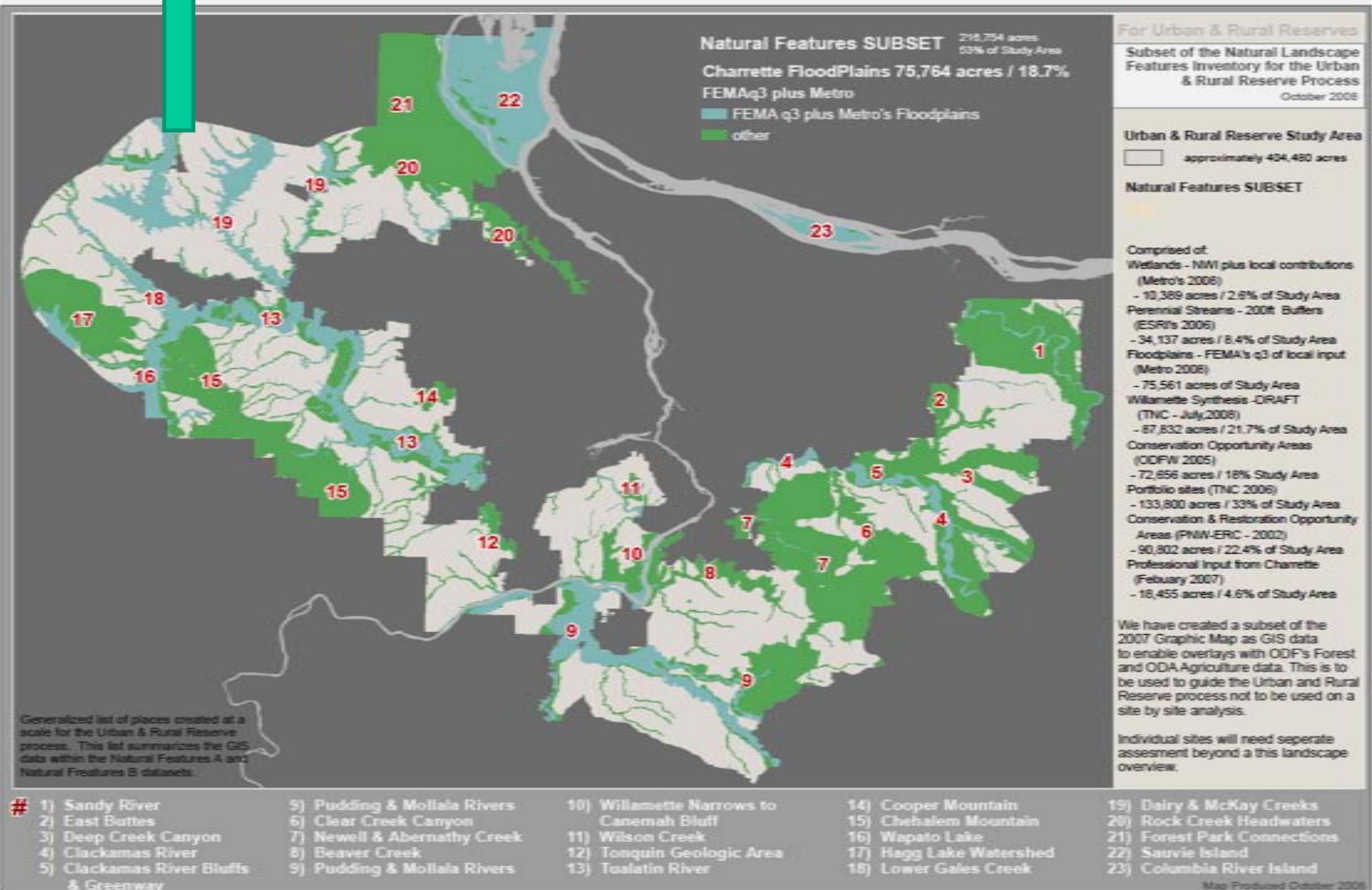
Professional Input

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October 2008

Breaking down the NLFI for the Reserves



Name	Type	Package...	Has ...	Size	R...	Date
plots	File Folder	0 KB	No	0 KB	0%	
Charrette base info.lyr	ArcGIS Layer	6 KB	No	44 KB	87%	10/22/2008 5:48 P
Charrette_2007.mxd	ESRI ArcMap ...	136 KB	No	867 KB	85%	10/22/2008 5:53 P
NF_subset4URRR.ldb	Access.LockFi...	1 KB	No	1 KB	86%	10/22/2008 1:19 P
NF_subset4URRR.mdb	Microsoft Acc...	42,615...	No	83,1...	10...	10/22/2008 5:53 P
readme.txt	Text Document	1 KB	No	1 KB	18%	10/22/2008 6:15 P
Rural-Urban REserves 10-20-08.doc	Microsoft Offi...	14 KB	No	44 KB	69%	10/21/2008 4:44 P
Subset08.mxd	ESRI ArcMap ...	280 KB	No	1,85...	85%	10/22/2008 5:52 P

CharrettePNWERC
Personal GeoDatabase Feature Class

Description | **Spatial** | **Attributes**

Keywords
Theme: Alternative Futures, Willamette River Basin, Scenario Analysis

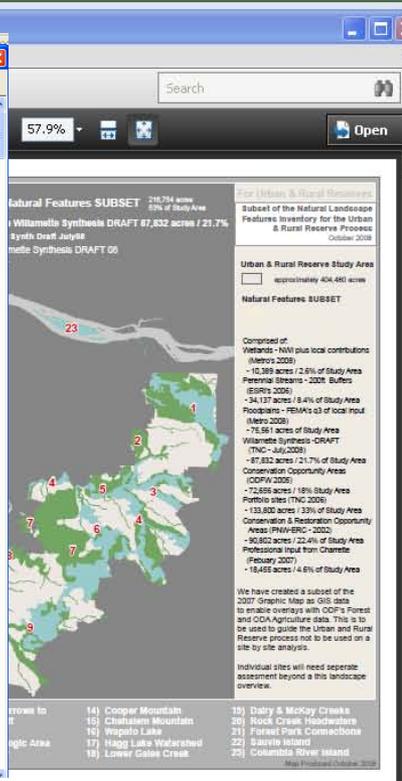
Description
Abstract
This information describes the "Conservation and Restoration Opportunities" (CONCRESTOP) map, a component of the Conservation Scenario of the Willamette River Basins Alternative Futures project conducted by Pacific Northwest Ecosystem Research Consortium (PNW-ERC) (1997-2002).

Purpose
The CONCRESTOP mapping describes areas within the Willamette River Basin in which habitat conservation or restoration opportunities are feasible and achievable under a futures scenario that emphasizes ecological services and habitat protection.

Supplementary Information
Introduction
Please see (http://www.fsl.orst.edu/pnwerc/wrb/metadata/scen_dev.html) for information on the construction of alternative futures' maps. Please see (<http://www.fsl.orst.edu/pnwerc/wrb/maps/updates.html>) for updates and revisions.

This information describes the "Conservation and Restoration Opportunities" (CONCRESTOP) map, a component of the Conservation Scenario of the Willamette River Basins Alternative Futures project conducted by Pacific Northwest Ecosystem Research Consortium (PNW-ERC) (1997-2002). This project was funded by Environmental Protection Agency (US/EPA). The work described herein was performed by researchers from The Institute for a Sustainable Environment (ISE), University of Oregon (contact: David Hulse, Dept. of Landscape Architecture) with assistance from Oregon State University (Dept. of Fisheries and Wildlife). An expert working group, a citizen stakeholder group, and PNW-ERC scientists provided recommendations and background information.

The CONCRESTOP mapping describes areas within the Willamette River Basin in which habitat conservation or restoration opportunities are feasible and achievable under a futures scenario that emphasizes ecological services and habitat protection. Evaluation of the Conservation 2050 scenario indicates that conversion of these areas to a protected and restored native habitat land cover will provide a significant increase in the likelihood that terrestrial and aquatic species biodiversity will be maintained or even improved within the WRB. This was not found to be the case with Plan Trend 2050 or Development 2050, the other two alternative futures depicted and evaluated in this project. Clearly, this map represents just one possible set of opportunities, and, as discussed below, the locations of most of the opportunity areas are not absolute. However, this study does suggest that if the acreage and approximate location of each of these opportunity areas are achieved, positive environmental results are likely. For the purposes of this project



W in the Urban & Rural Reserves Study Area
10/22/08

1. Sandy River Gorge

The Sandy River cuts a 55-mile-long serpentine swath from Mt. Hood to the Columbia River. A 12.5-mile stretch of the river - from Dodge Park on the south, downstream to the Stark Street Bridge on the north - wends its way through the 800-foot-high basalt and sandstone canyons known as the Sandy River Gorge. This portion of the river is designated as both a State Scenic Waterway and a National Larch and Scenic River. This land ensures a big game corridor ("connectivity") between Larch Mountain and the lower Sandy River, and protection of critical habitat for steelhead, resident trout and salmon.

2. East Buttes

The forested buttes stretching unique geographic reference land uses. The slopes of these and large areas for wildlife habitat edge of the Cascades.

3. Deep Creek Canyons

The intact steeply wooded sl... Creeks have some of the larg... serve as the principal corrido... within urbanized areas. The

readme.txt - Notepad

You may have to re-link the files within the projects to the geodatabase.

feel free to contact me if you have any questions

Tommy Albo
503-797-1579

- Input from professionals
- other
- Charrette Wetlands Metro 10,389 acres / 2.6%
Wetlands (Metro08)
- Wetlands NWI plus local contributions (Metro08)
- other
- Charrette Stream Buffers 34,137 acres / 8.4%
200ft Stream Buffers
- Perennial Stream Buffers (ESRI06)
- other
- Charrette PNW-ERC 2002 90,802 acres / 22.4%
PNW ERC Study 02
- Conservation_Restoration Opportunity Areas (H)
- other
- Charrette ODFW05 72,656 acres / 18%
Conservation Opportunity Areas
- Conservation Opportunity Areas (ODFW, 2005)
- other
- Charrette FloodPlains 75,764 acres / 18.7%
FEMAQ3 plus Metro
- FEMA Q3 plus Metro's Floodplains

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July/Aug 2009

How the NLFI has been refined for the process

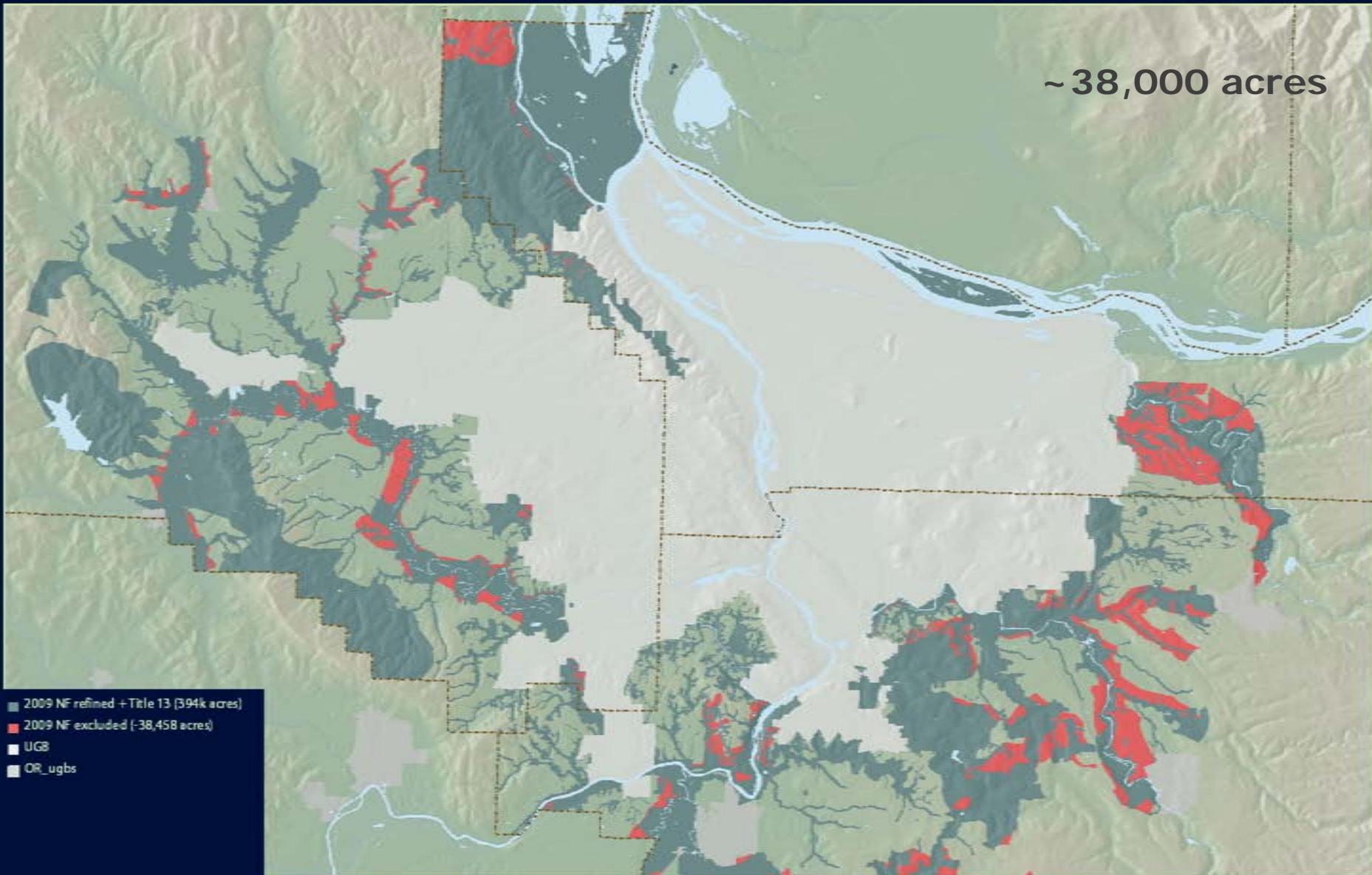
Removed 3 outdated datasets

- Portfolio sites (TNC 2006)*
- Conservation Opportunity Areas (ODFW 2005)*
- Willamette Synthesis 2008 draft*

Replaced them with Willamette Synthesis 2009 data

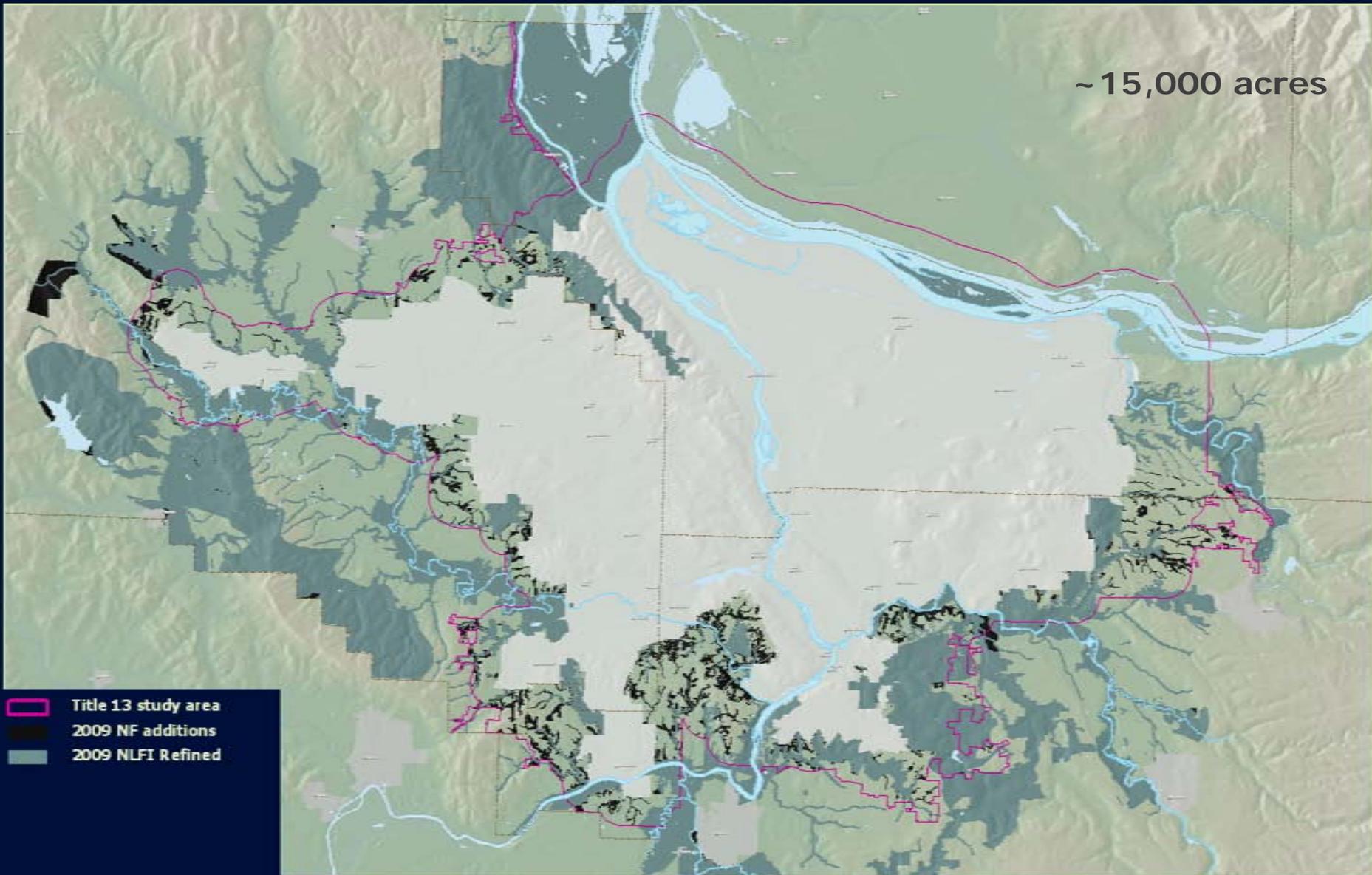


Red shows outdated information removed





Black shows additions – Mostly Title 13



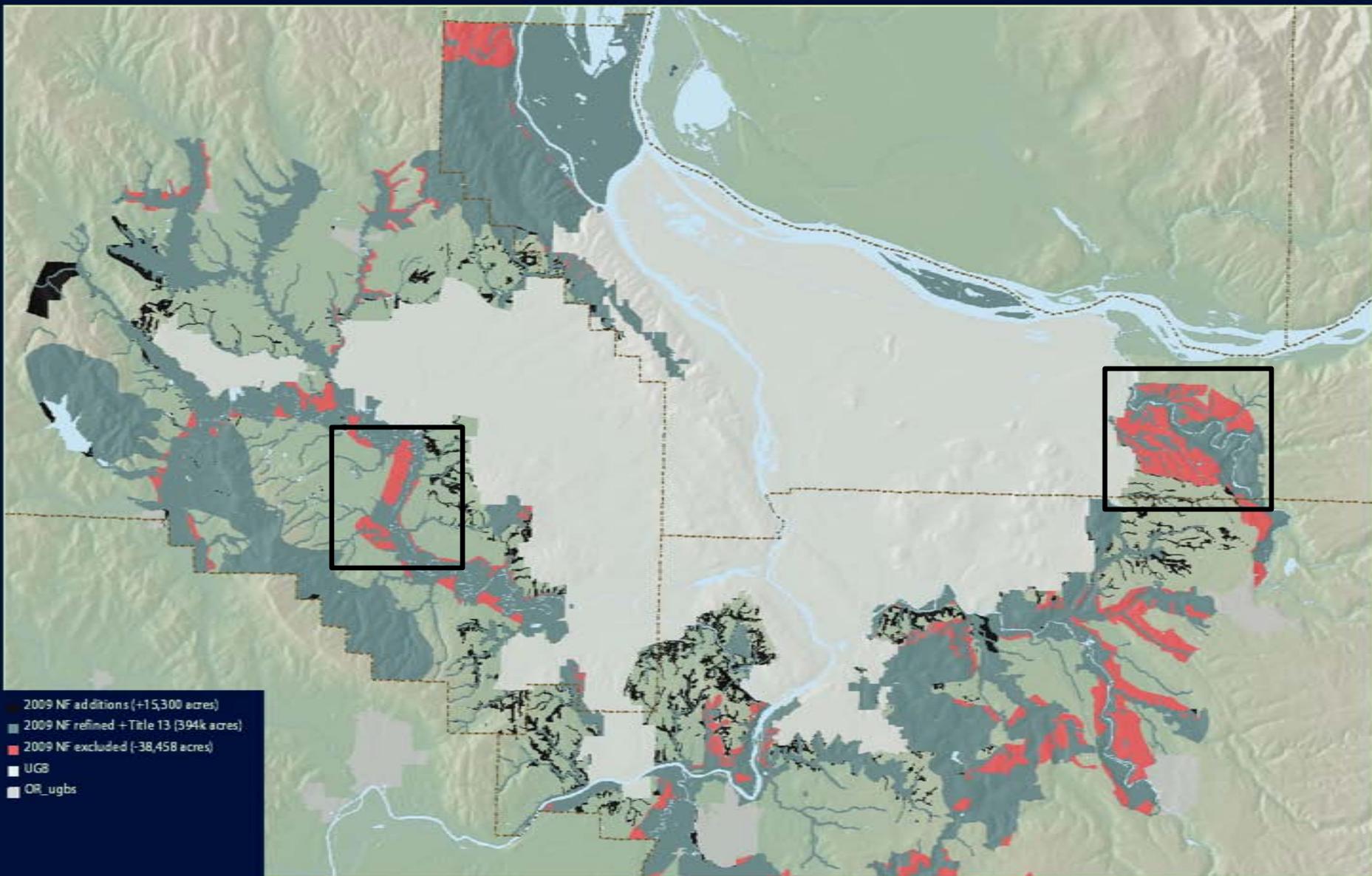
~ 15,000 acres

- Title 13 study area
- 2009 NF additions
- 2009 NLFI Refined

1:350,000



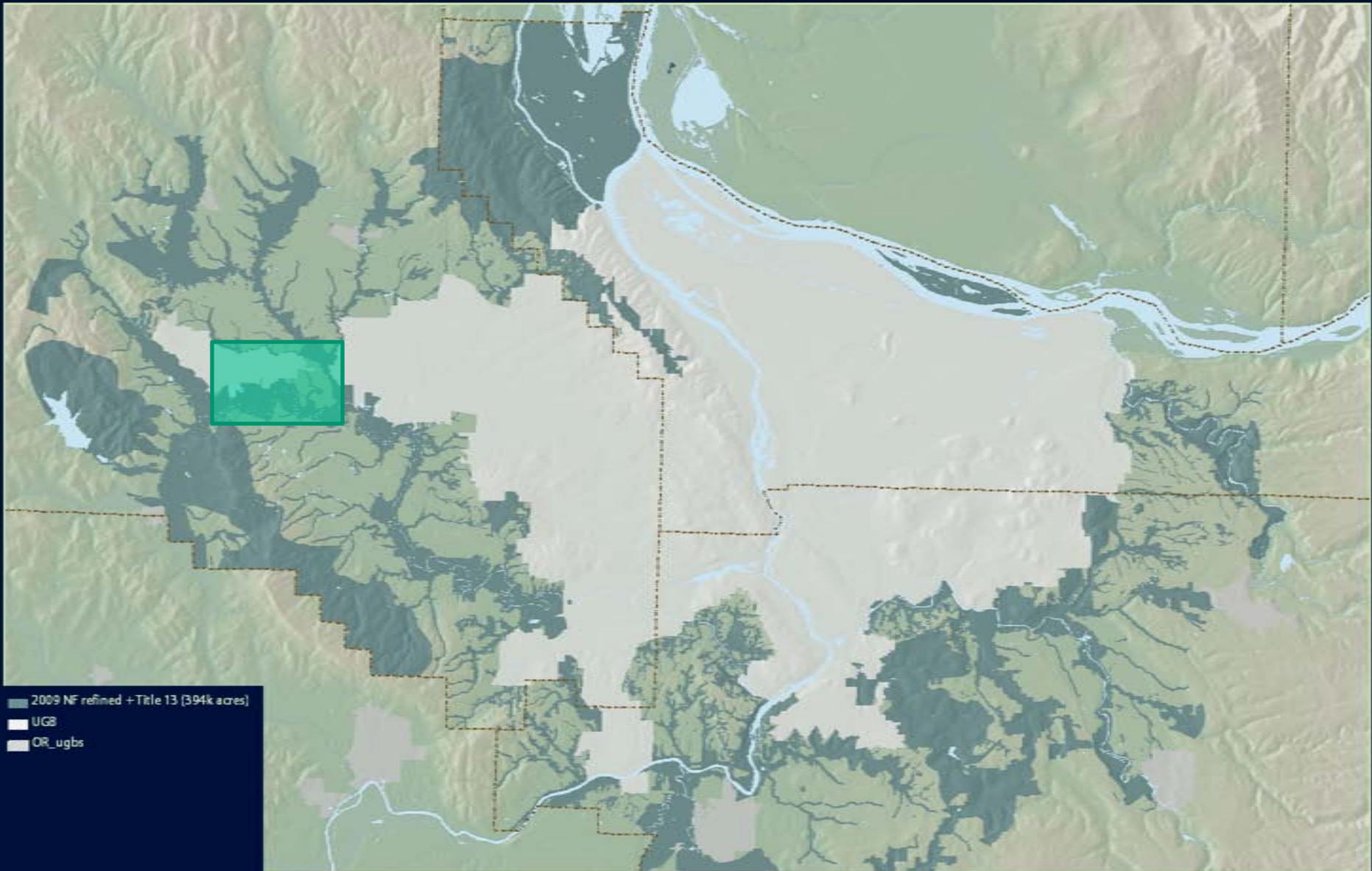
Refined NLF 2009 contains 23,000 fewer acres



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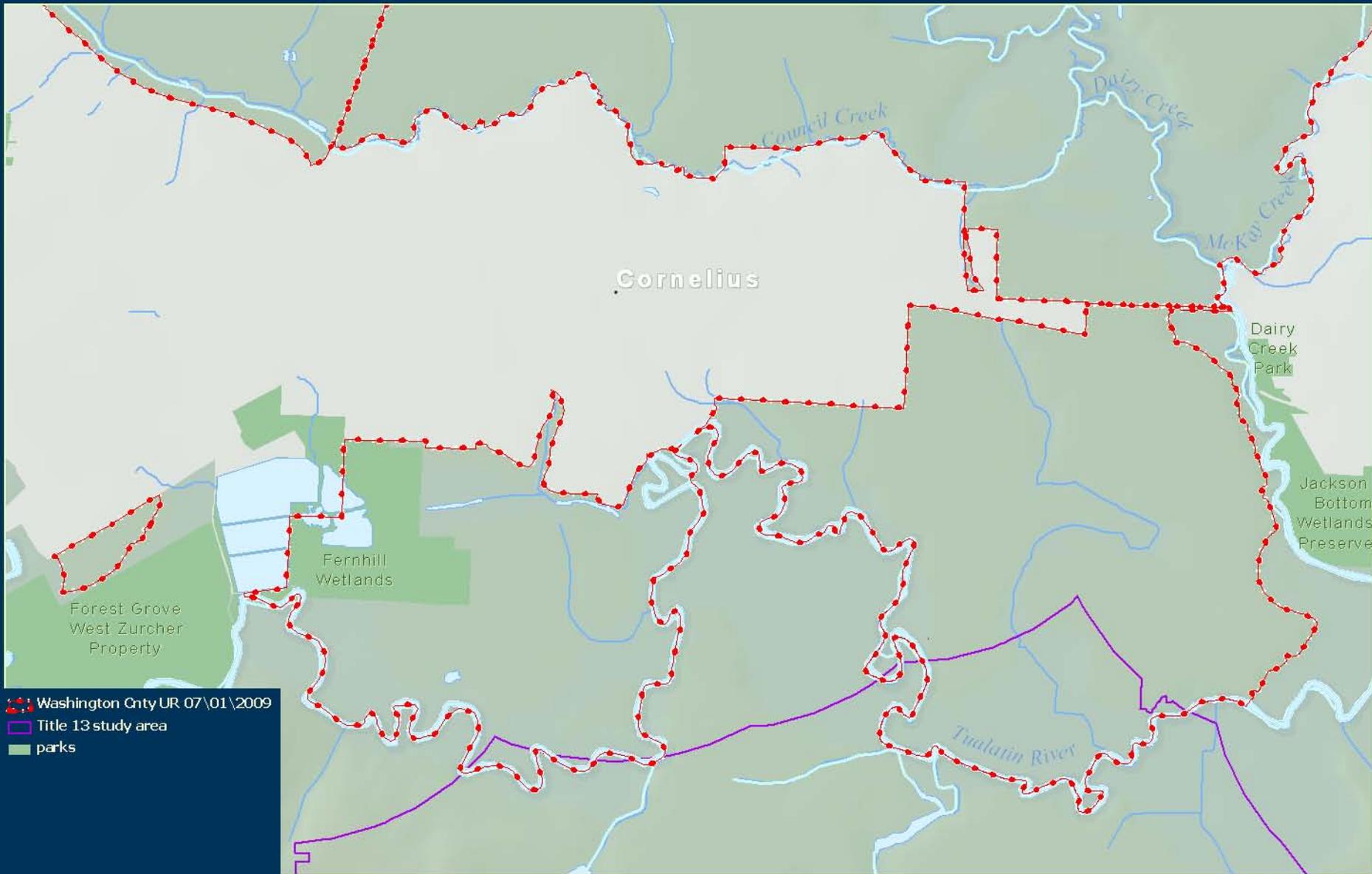
Sample Area



1:350,000



Urban Reserve Candidate Area

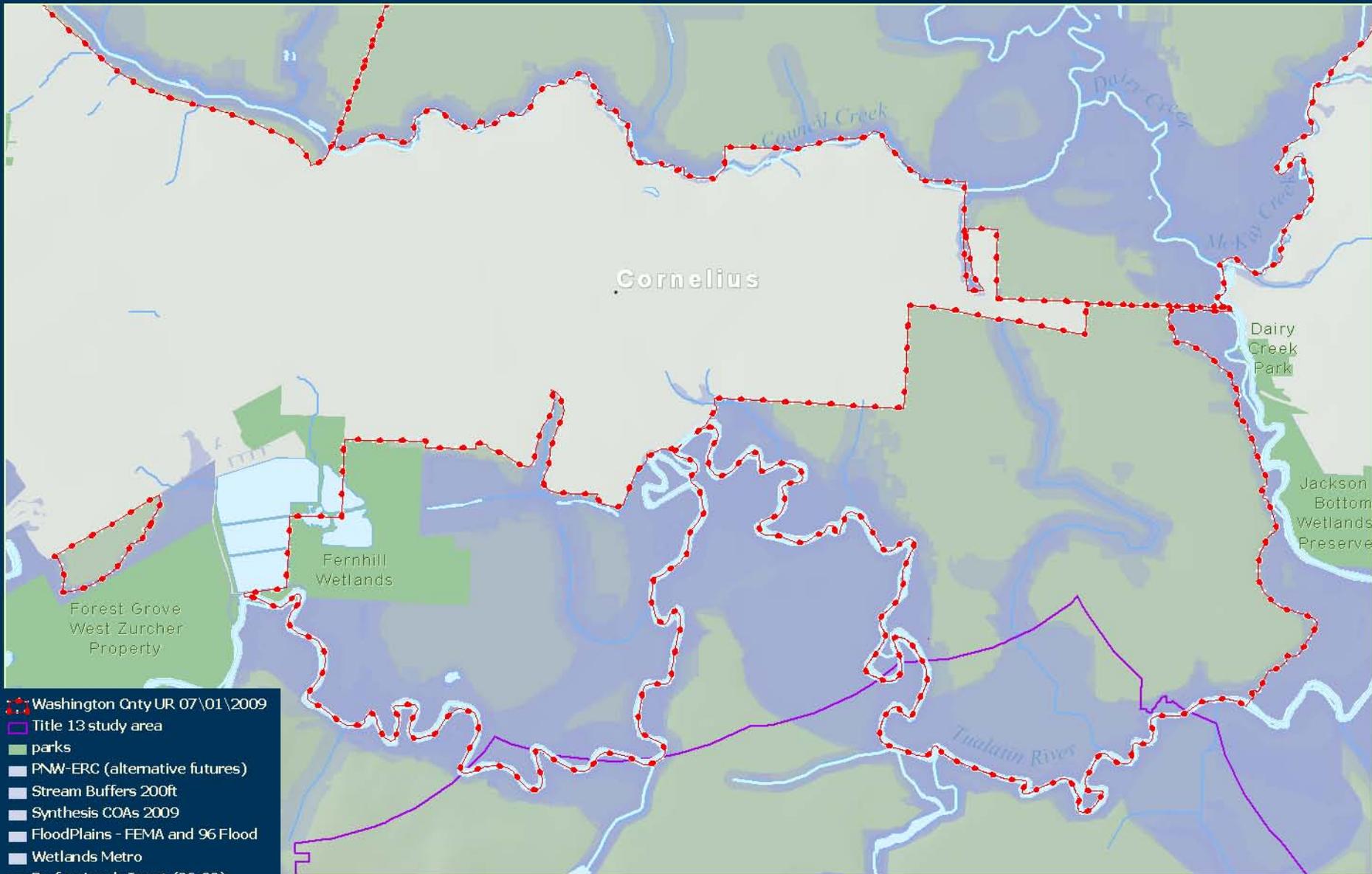


- Washington Cnty UR 07\01\2009
- Title 13 study area
- parks



Metro

Urban Reserve Candidate Area with NLFI

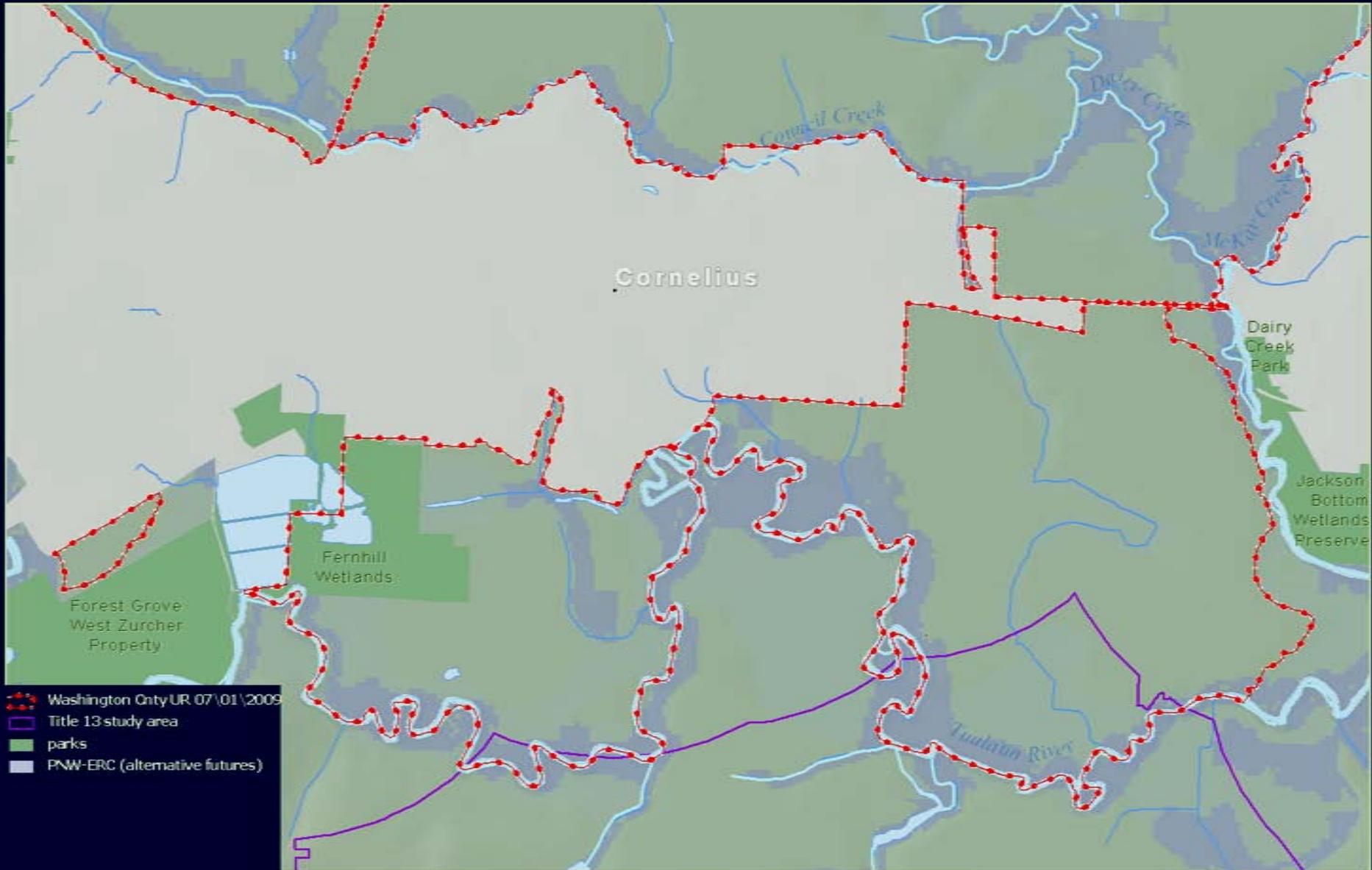


- Washington Cnty UR 07\01\2009
- Title 13 study area
- parks
- PNW-ERC (alternative futures)
- Stream Buffers 200ft
- Synthesis COAs 2009
- FloodPlains - FEMA and 96 Flood
- Wetlands Metro
- Professionals Input (06-08)
- Title 13 NIN

1:35,000



Alternative Futures Layer



-  Washington Cnty UR 07/01/2009
-  Title 13 study area
-  parks
-  PNW-ERC (alternative futures)



Metro

Stream Layer



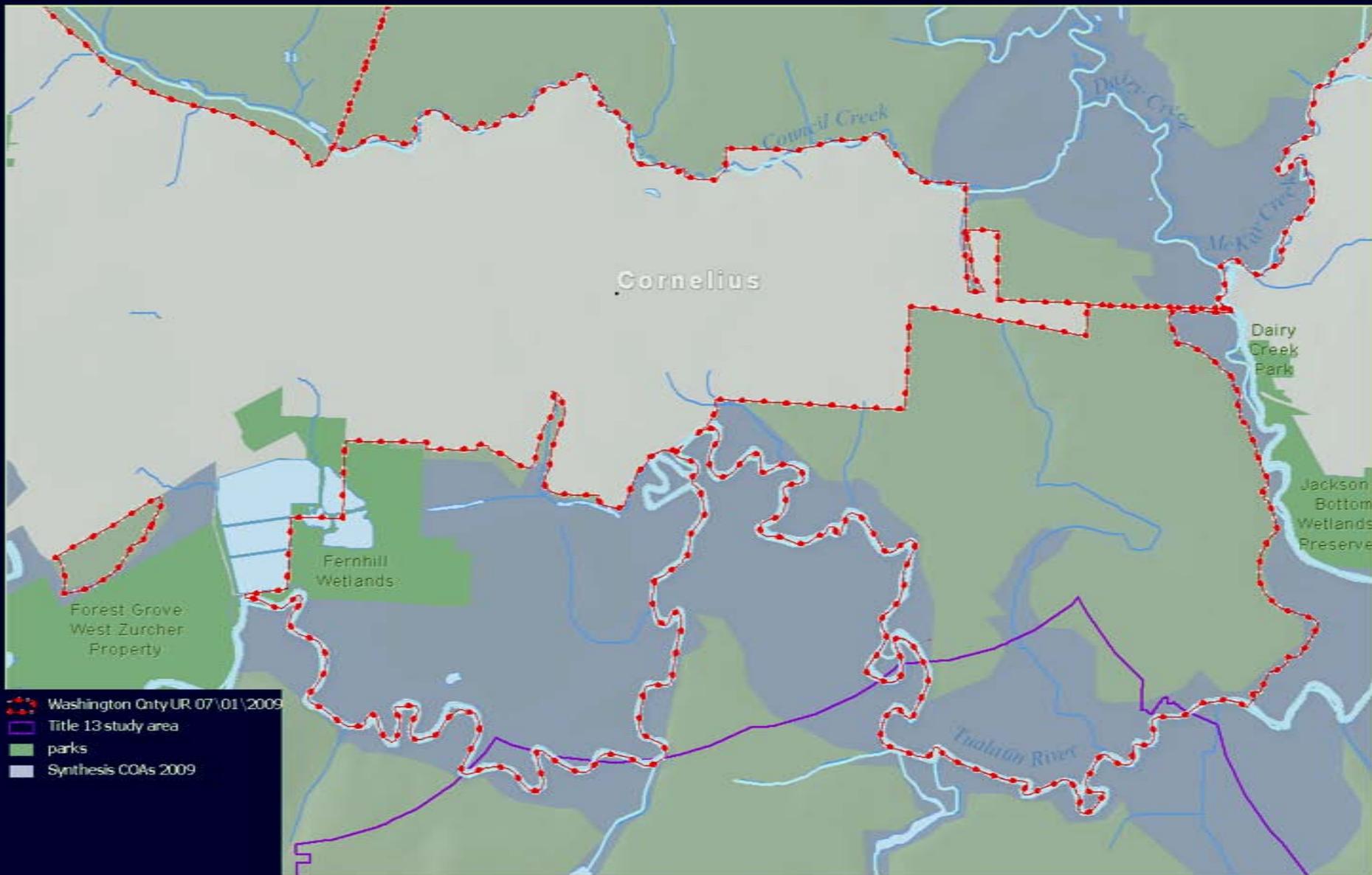
- Washington Cnty UR 07/01/2009
- parks
- ESRI Perennial Stream Buffers 200ft

1:35,000



Metro

Willamette Synthesis Layer



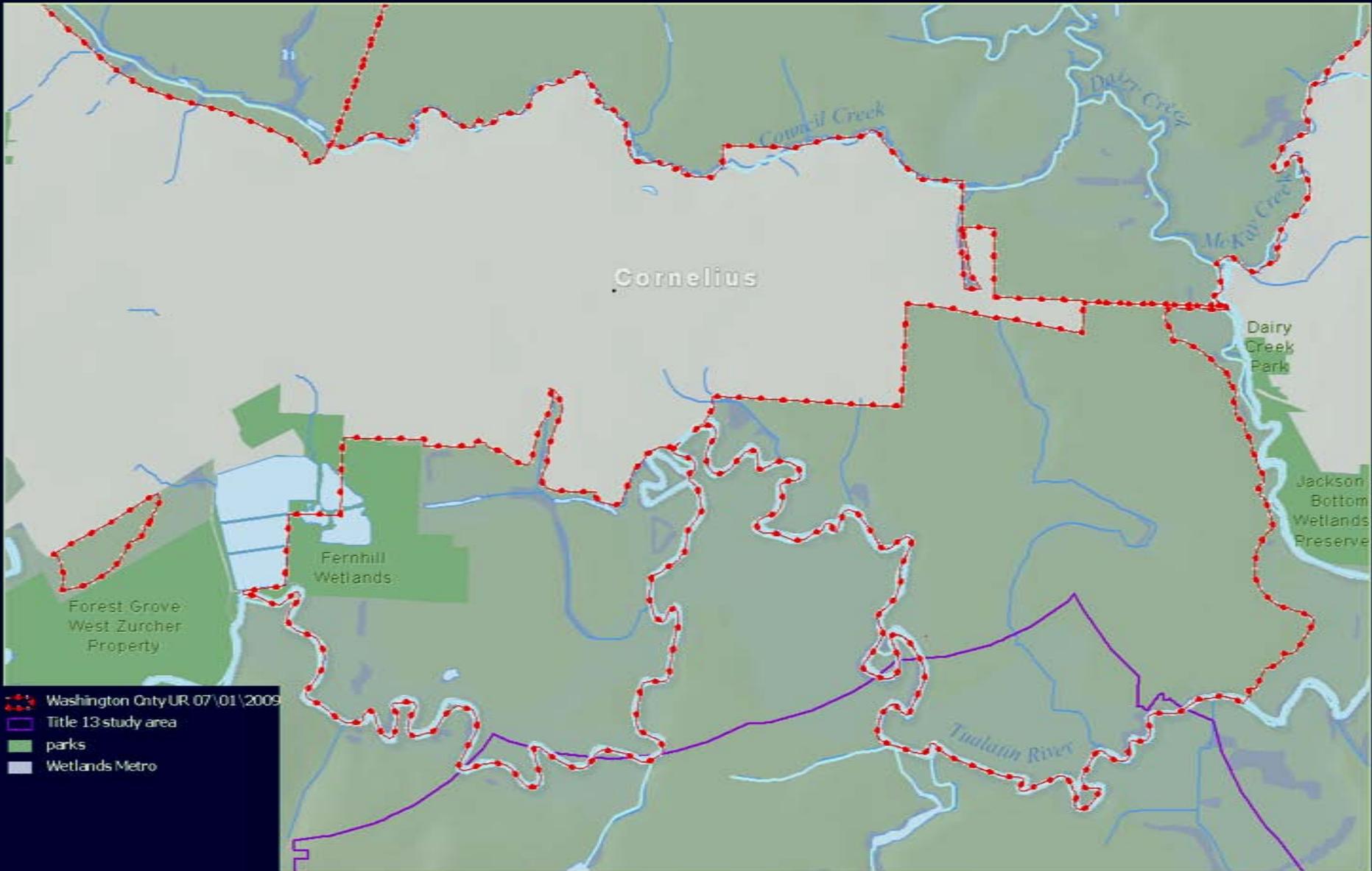
- Washington Cnty UR 07\01\2009
- Title 13 study area
- parks
- Synthesis COAs 2009

1:35,000



Metro

Wetlands Layer



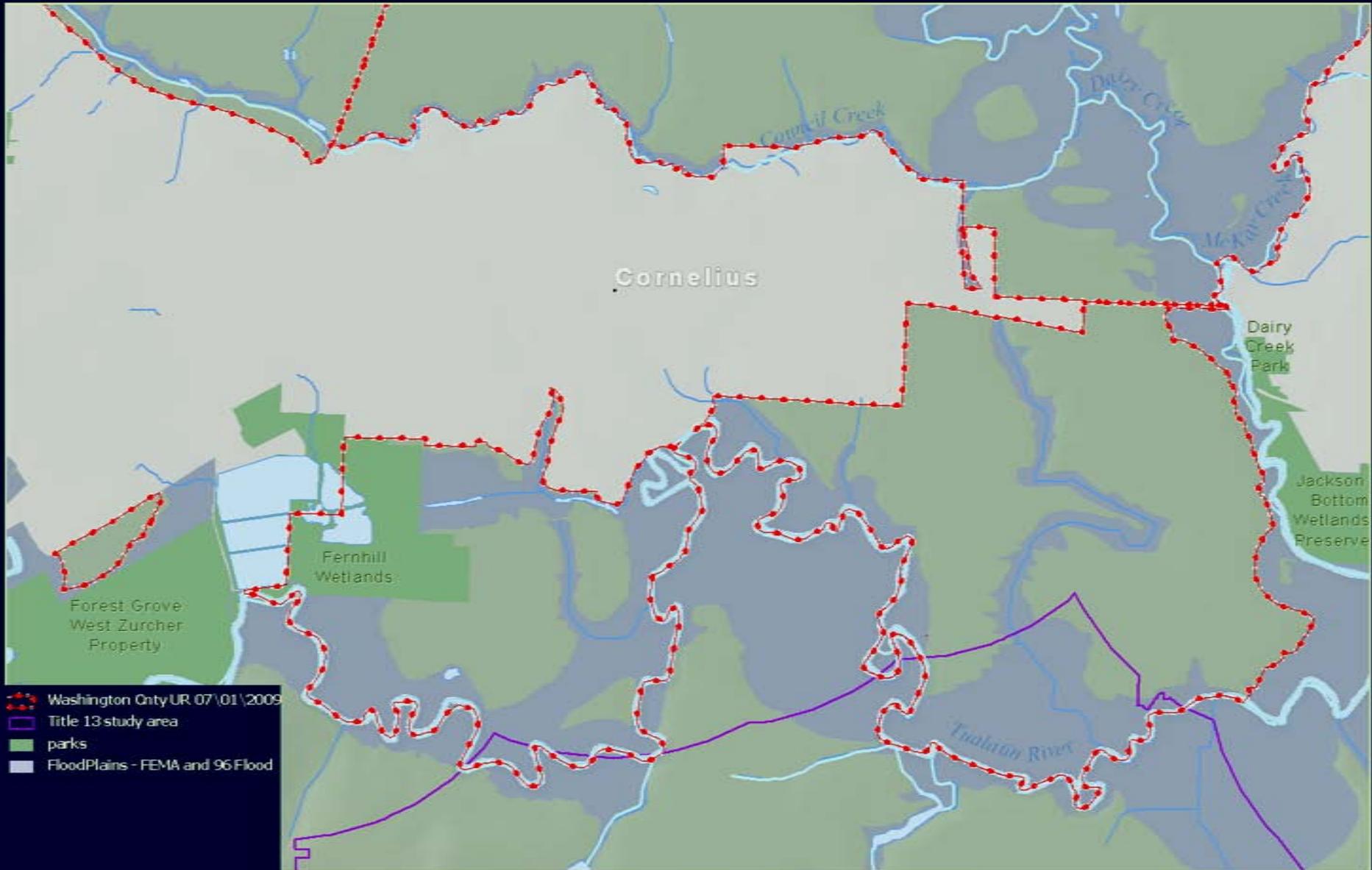
- Washington Cnty UR 07\01\2009
- Title 13 study area
- parks
- Wetlands Metro

1:35,000



Metro

Floodplain Layer

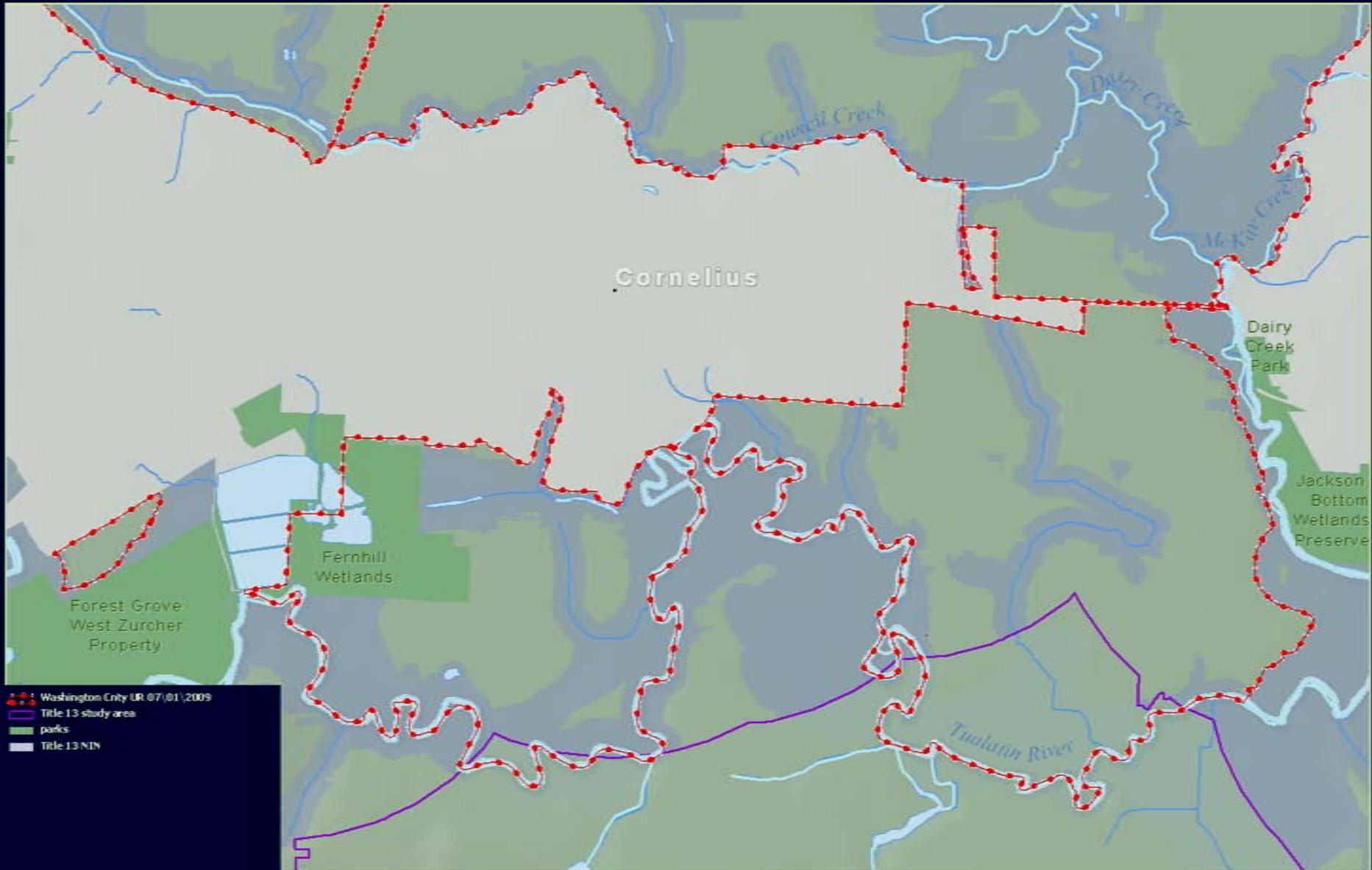


1:35,000



Metro

Title 13 Layer



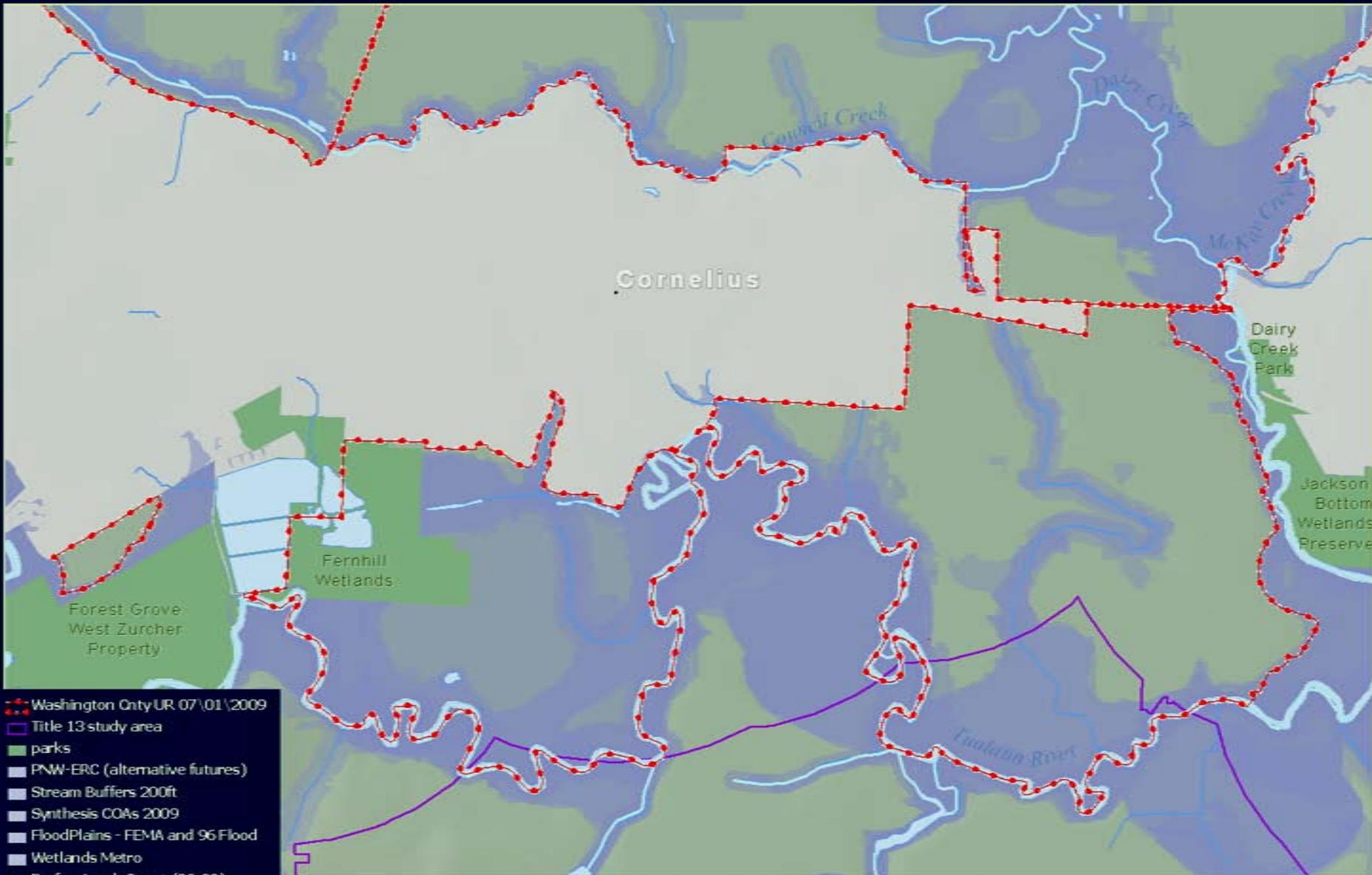
- Washington City LR 07/01/2009
- Title 13 study area
- parks
- Title 13 NIN

1:35,000



Metro

All Layers Superimposed

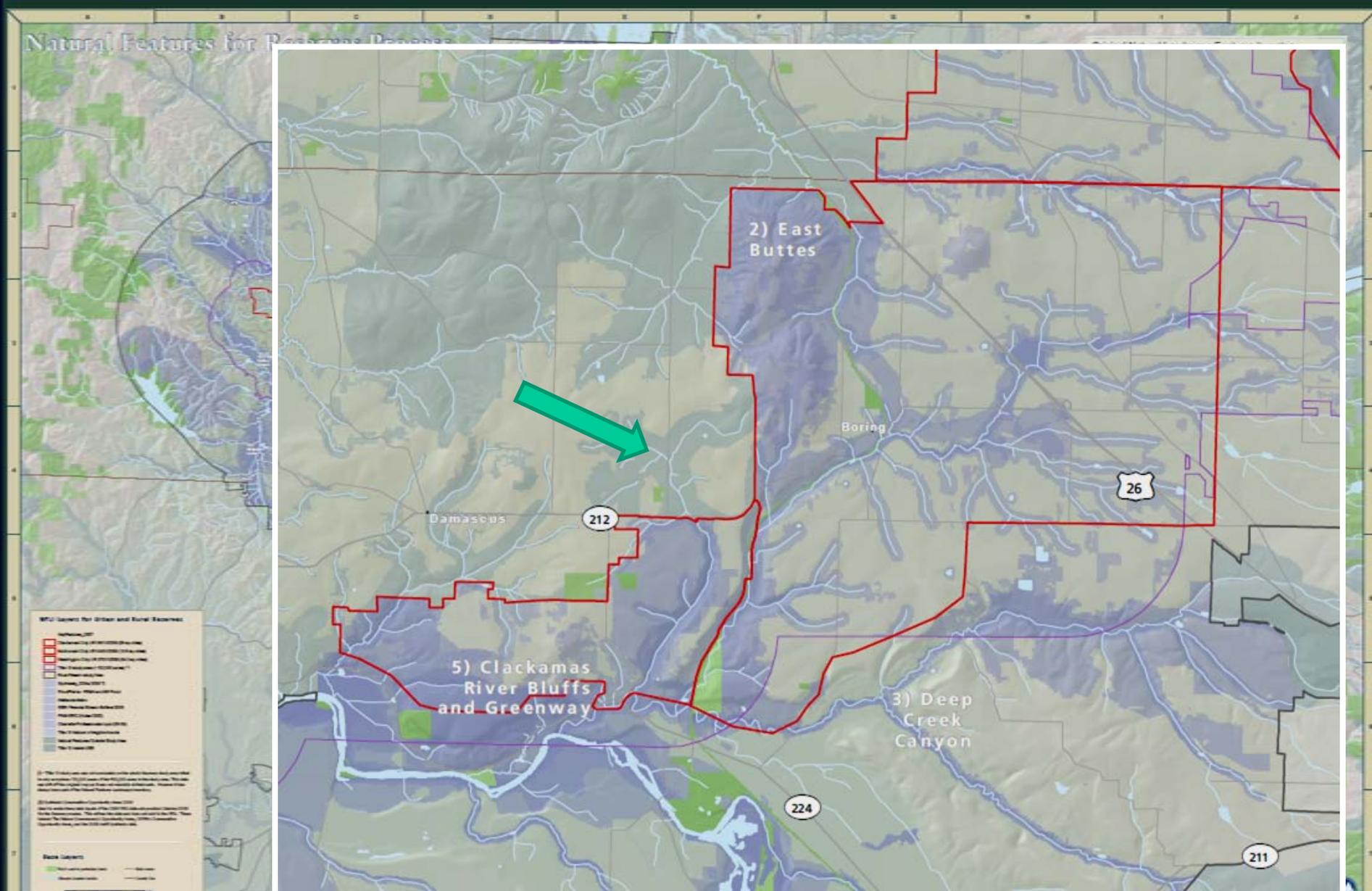


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- PNW-ERC (alternative futures)
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- Title 13NIN

1:35,000



Sample Map on How the data can help inform





Metro



Questions