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Oregon Soil Survey Update - OTAC

Cory Owens, Oregon NRCS State Soil Scientist

May 30, 2019

Natural
Resources
Conservation
Service

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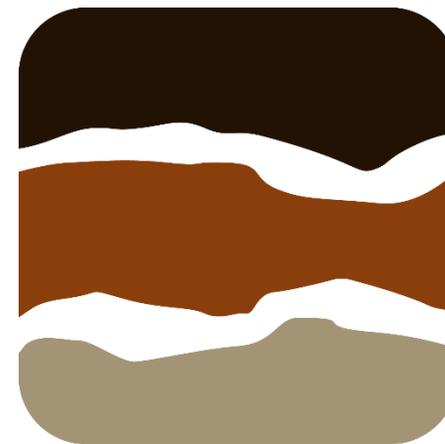
BACKGROUND INFO



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Soil and Plant Science Division



NCSS
National Cooperative
Soil Survey

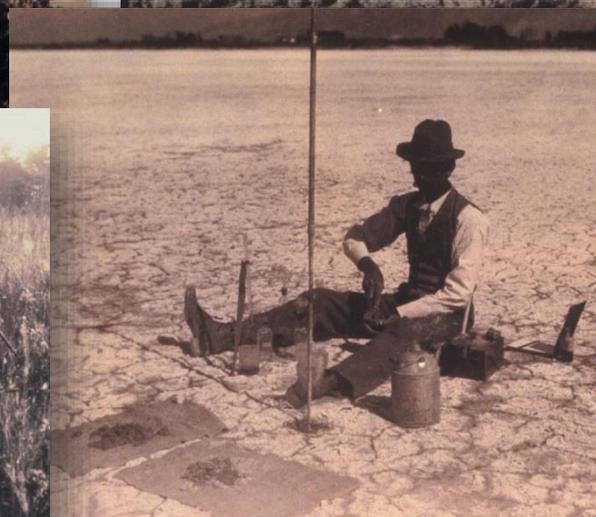
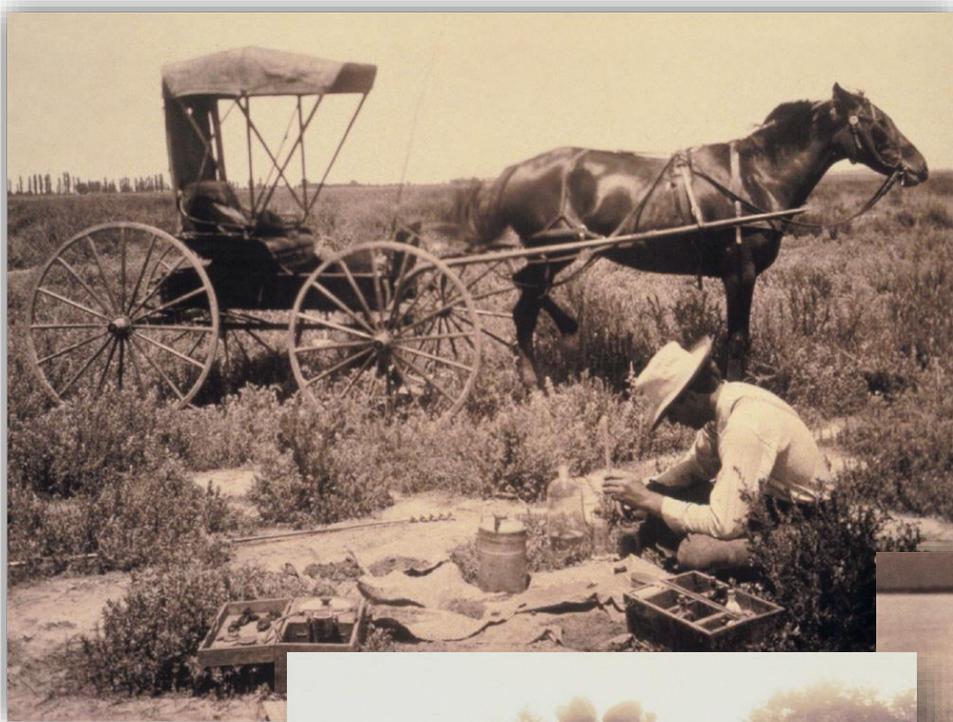
National Cooperative Soil Survey



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Working on it for 120 years!



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Working on it for 120 years!



Still not done!

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Provisional Ecological Sites

Traditional

- An ecological site description that meets “provisional” status measures

National Initiative

- Announced in 2015
- Intent to focus ecological site efforts towards developing a consistent, baseline ecological site concept map
- Covers the US
- Based on evaluation of existing information and literature and expert knowledge
- Information to get to Milestone 5

Pause for
Terminology



Provisional Ecological Sites

Traditional

An ecological site description that meets “provisional” status requirements

The step before “approved” & “certified”

National Initiative

- Announced in 2015
 - Focuses on accelerating site efforts towards developing a consistent, consistent, landscape scale concept map
 - Covers the US
 - Based on evaluation of existing information and literature to expand knowledge
 - Information to get to Milestone 5
- Basic plant groups at a landscape scale!**





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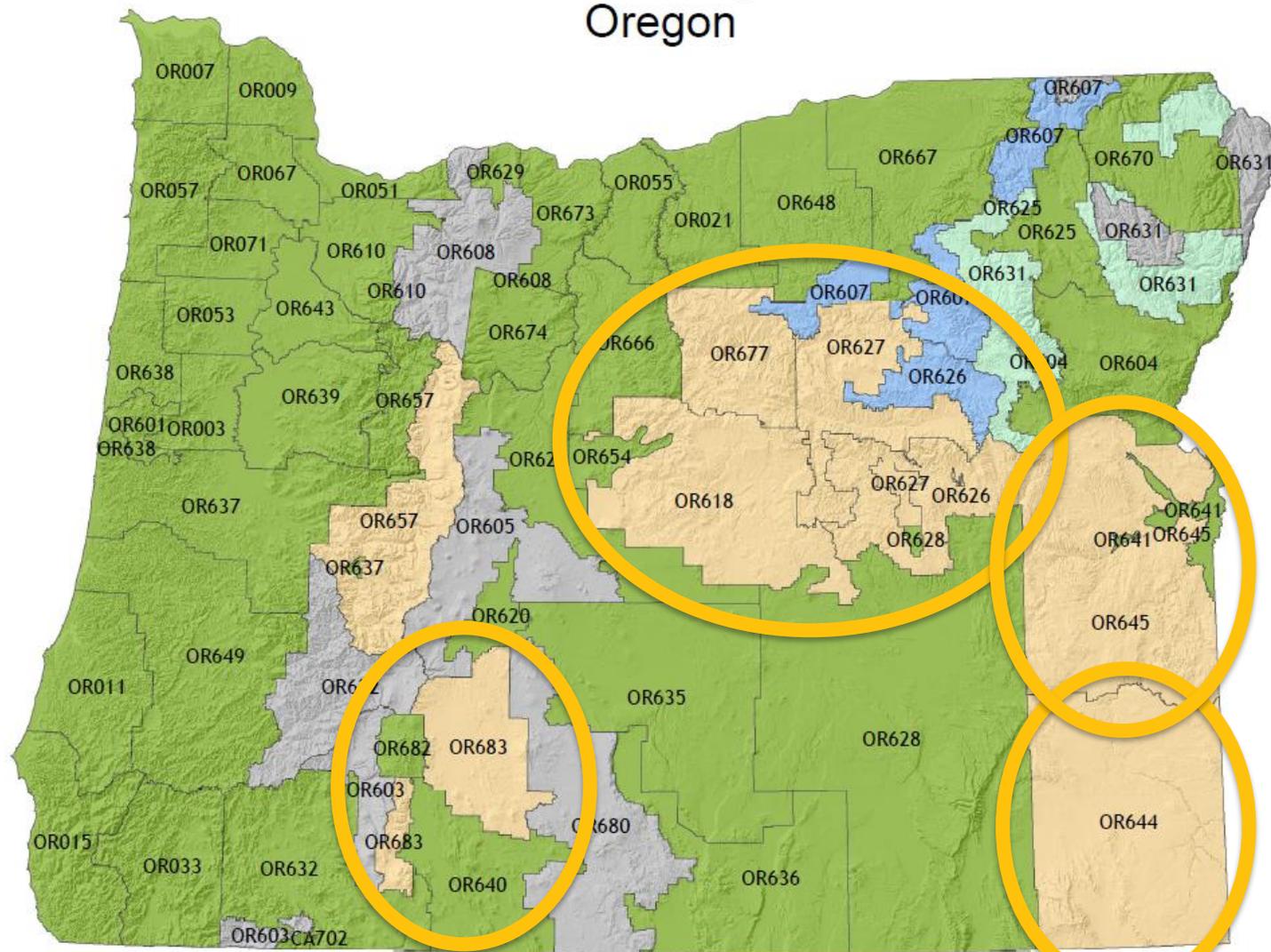
CURRENT STATUS OF INITIAL SURVEYS



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2019 Soil Survey Status Oregon



- Published
- Published - NEW 2018!
- Published - Updated 2018!
- Survey In Progress
- Non-Project Area

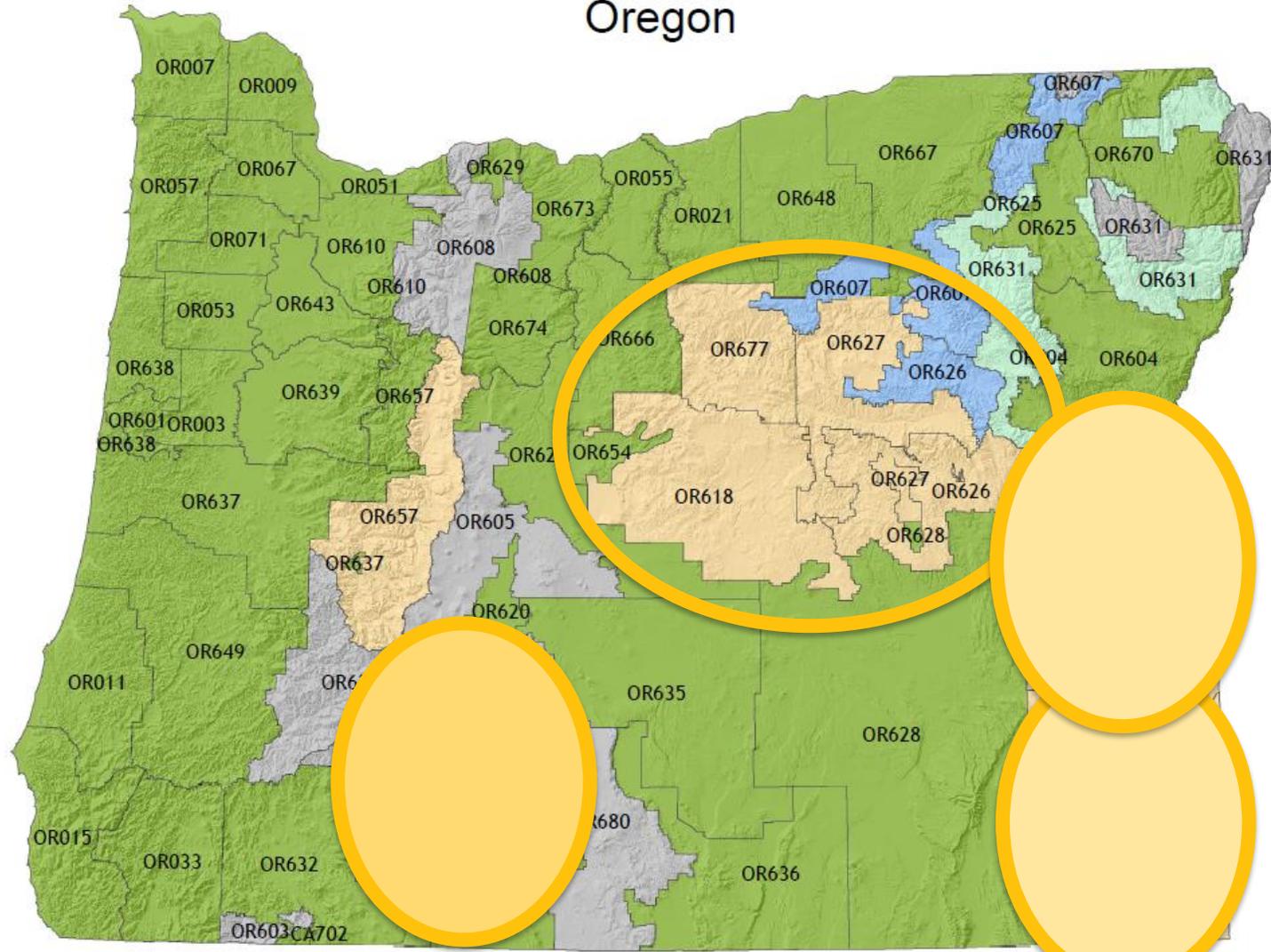


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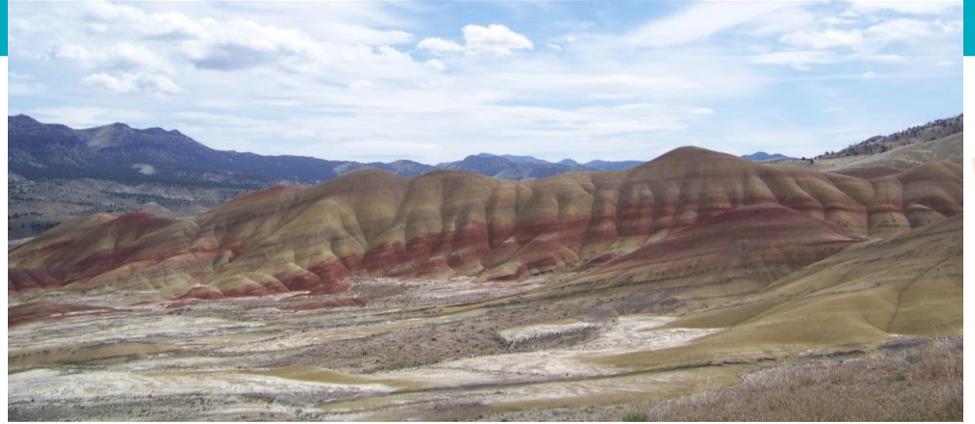


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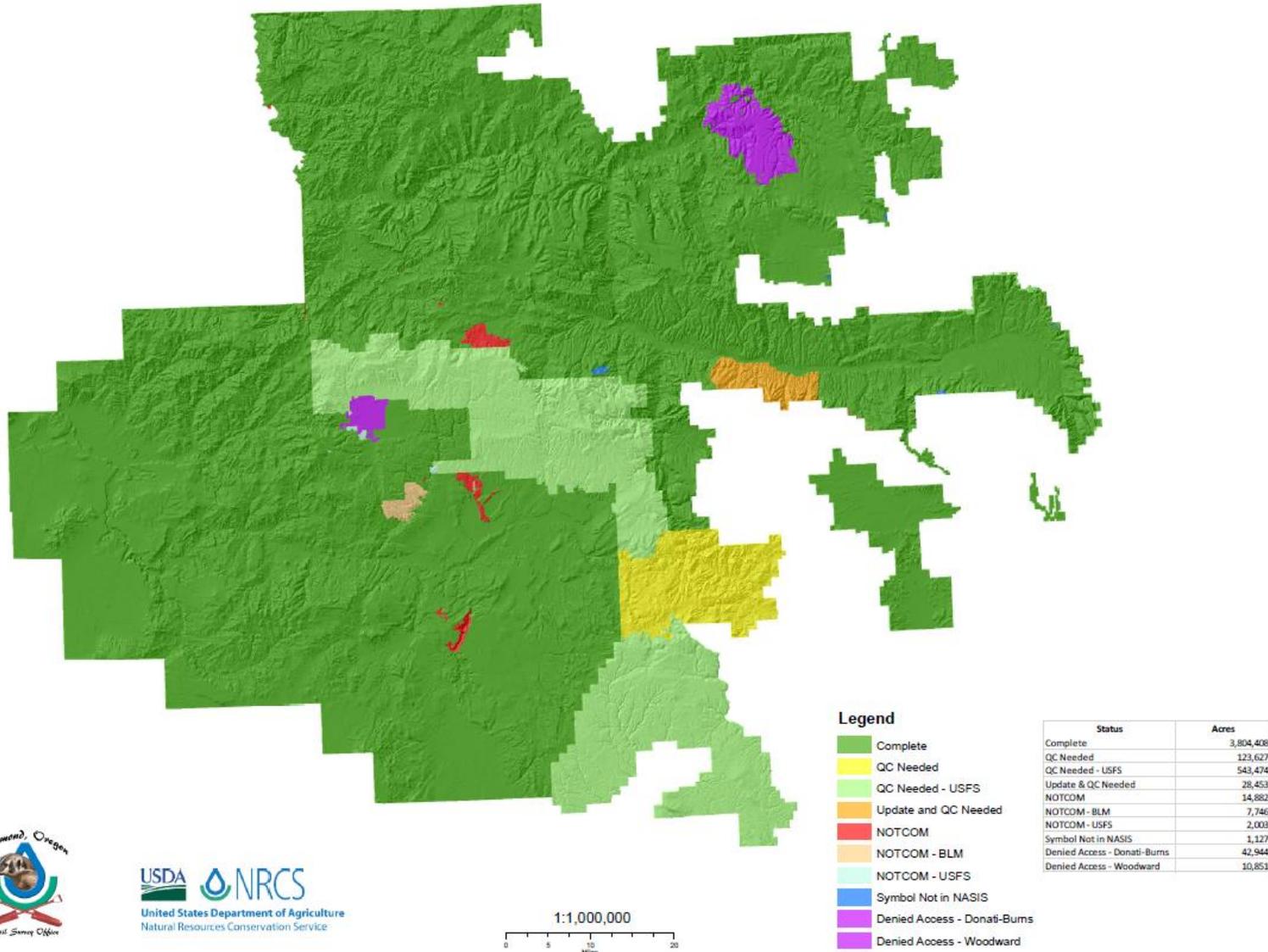




Redmond, Oregon MLRA Soil Survey Office



2019 RAIL Survey Status



- Remaining field work in the RAIL surveys will be completed summer of 2019 (red and orange areas).
- Office work will focus on populating and updating database to current standards as well as conducting QC on all spatial data.
- Expected completion of RAIL surveys in 2021.
- Additional projects include sample collection in support of the University of Idaho Soil Moisture Regime project.
- Provisional Ecological Site Development for Oregon portions of MLRA 6, 8, 9, 10, and 43C.
- Onboarding of new MLRA employees!

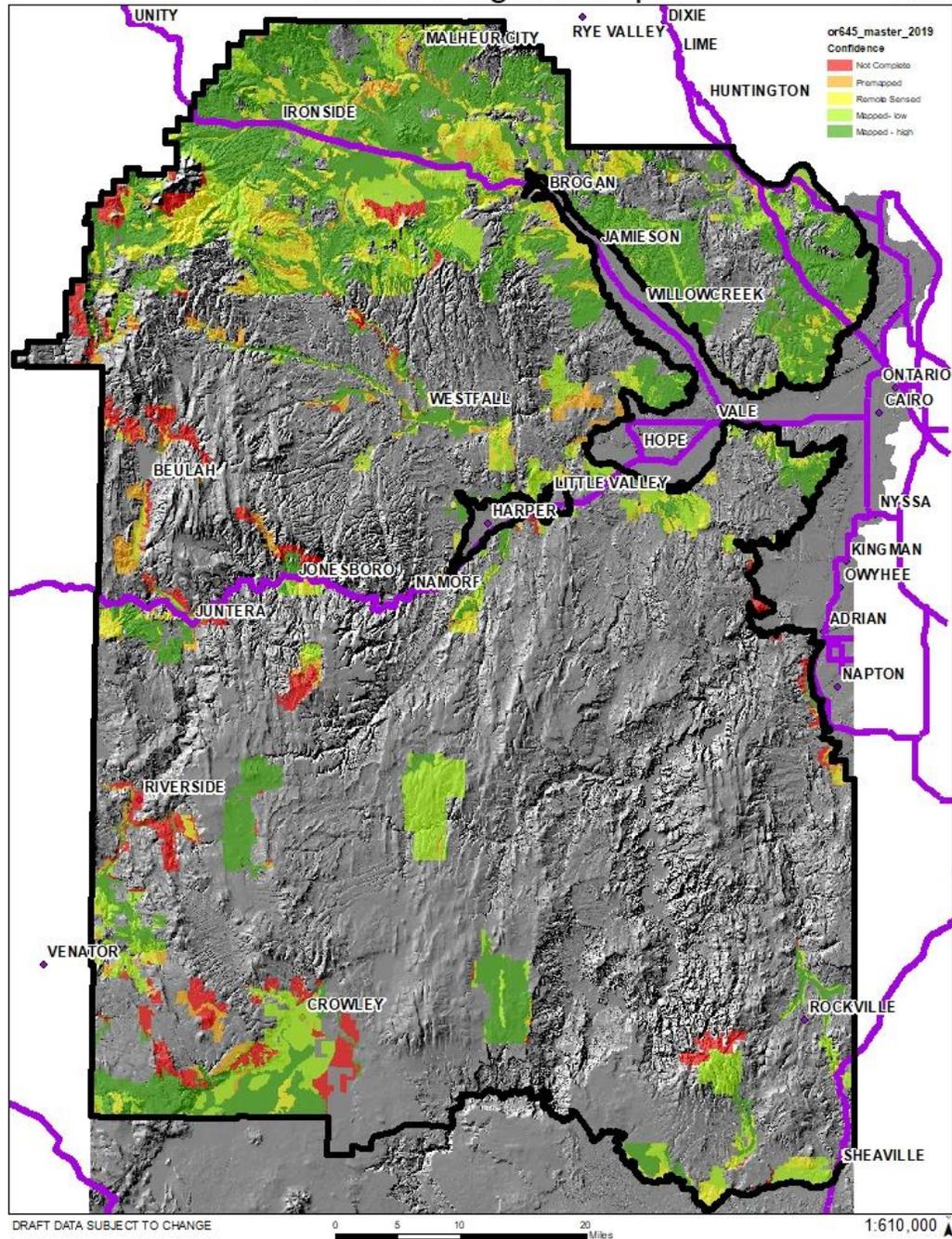


Ontario, Oregon MLRA Office



OR645 Progress Map

5/22/2019



Progressive publication of about a third of OR645 is the intent.

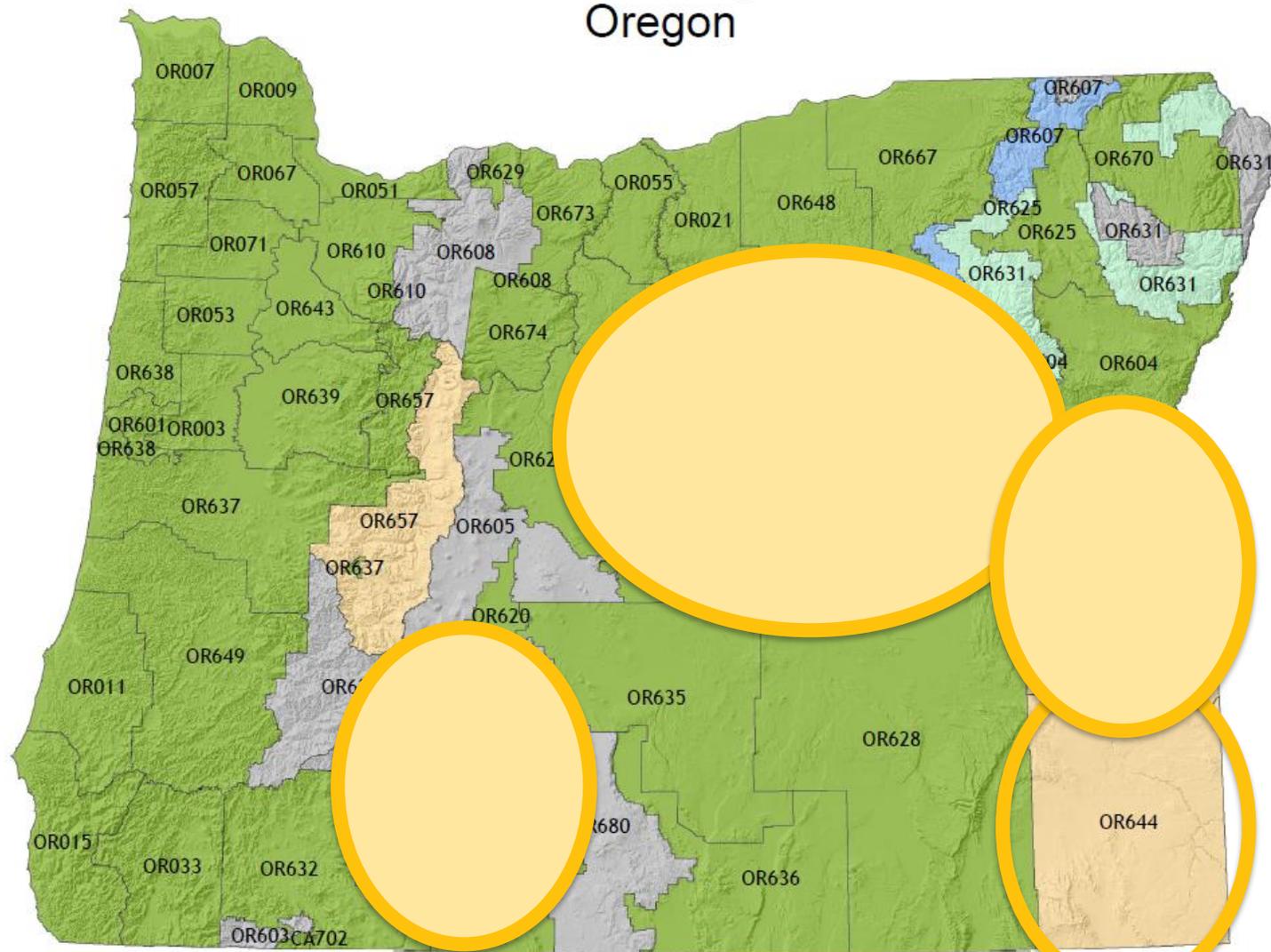
The filled areas are those larger chunks of private and state lands we intend to publish in the near future. The rest of the survey area (~ 2 million acres) is BLM land that will not be completed for some time.

Green and yellow areas currently have draft data, red and orange areas are yet to be mapped. There is about 120,000 acres left.

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Soil Survey and Ecological Site Inventory of Malheur County, Southern Part, Oregon

By Meghan Krueger

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2006 Inception

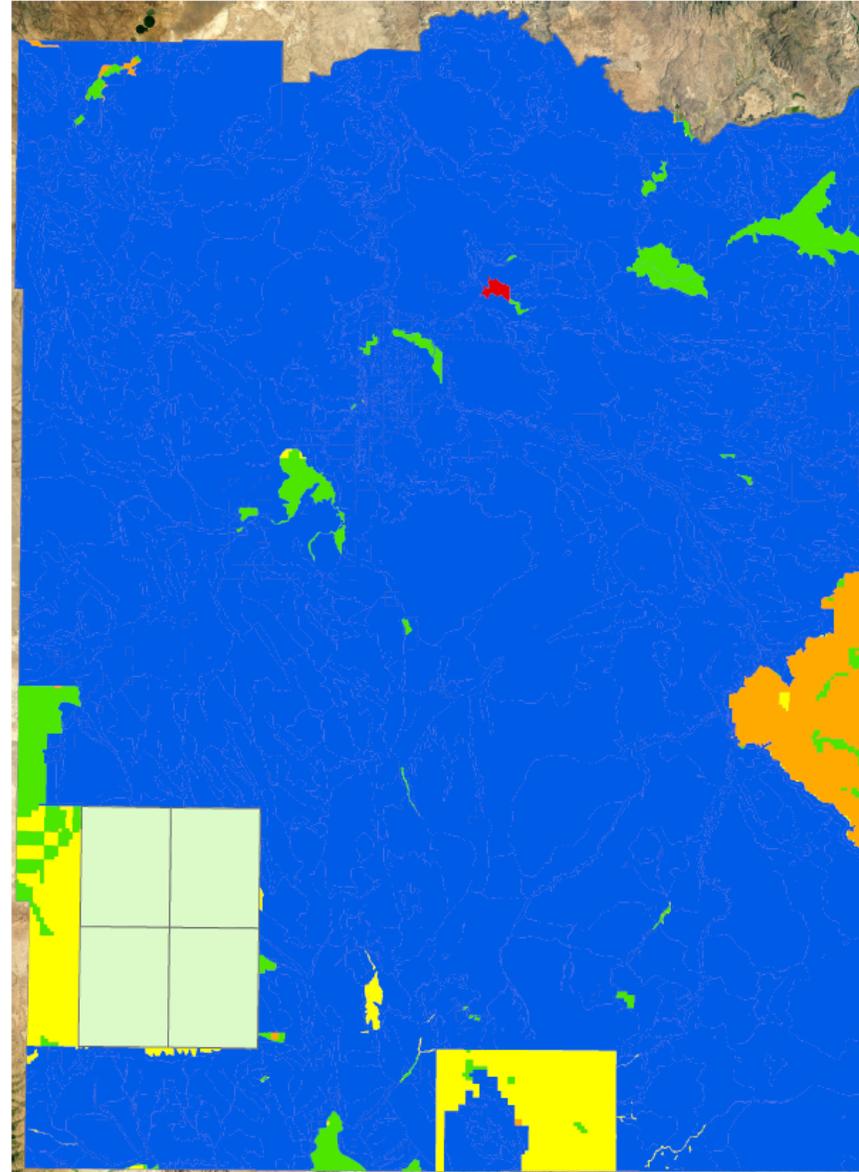
History

MOU

3,080,108 acres



Soil Survey and Ecological Site Inventory, Malheur County, South Half, OR



1:600,000

- | | |
|---------------|-------------|
| COMPLETE_FY18 | NOTCOM, BLM |
| COMPLETE | NOTCOM, PV |
| DA, PV | NOTCOM, ST |

Date: 5/23/2019



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**Moving
Forward**

NASIS Database

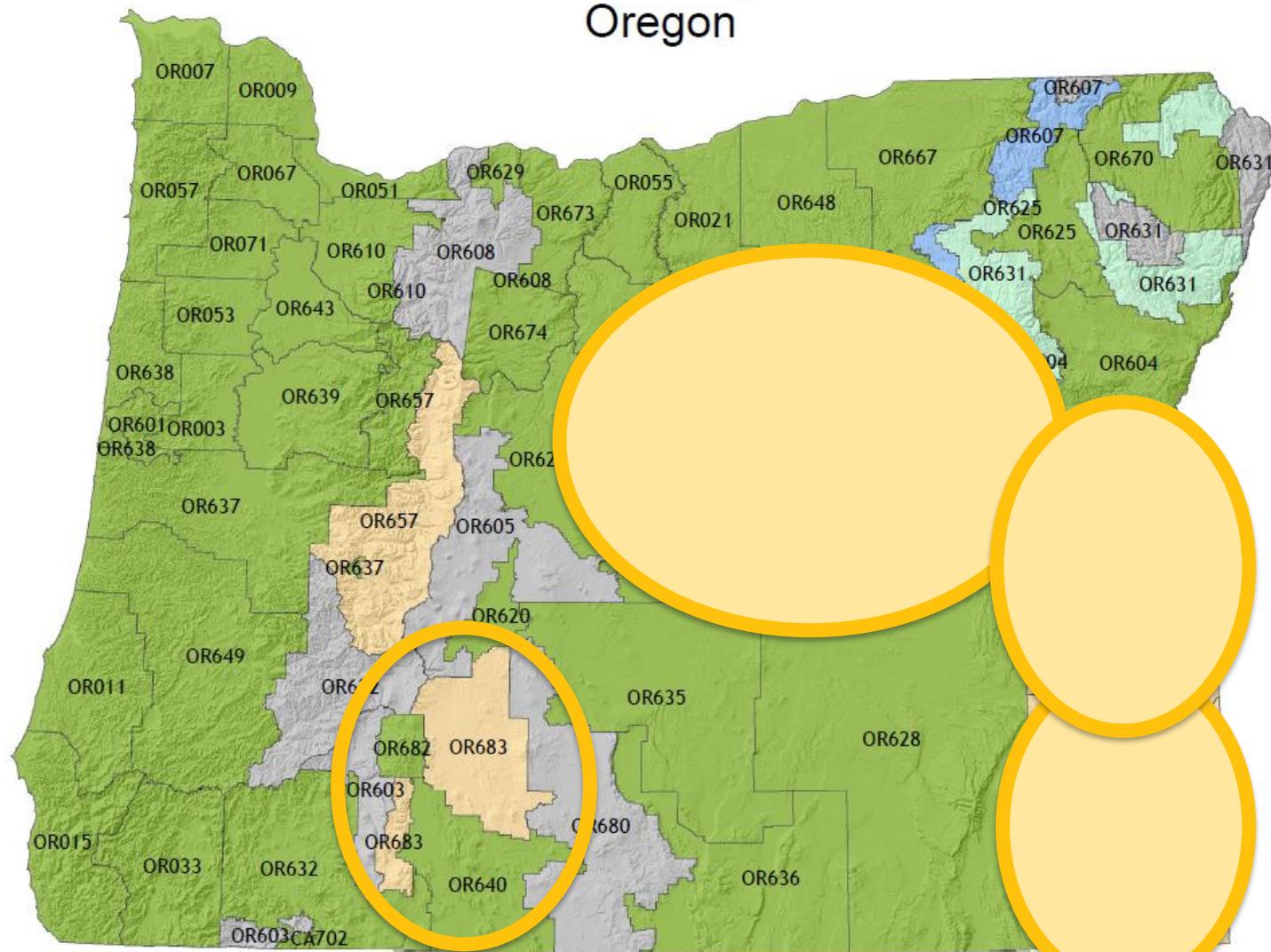
A decorative horizontal line of stylized water drop icons in shades of orange and yellow, positioned behind the "NASIS Database" text.

Field Work

Publish 2021



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Meeting Customer Needs With The National Cooperative Soil Survey (NCSS)

May, 2019 | Chris Gebauer, Soil Scientist / MLRA Soil Survey Leader Klamath Falls, OR

Katrin Chambers, Soil Scientist, Klamath Falls, OR

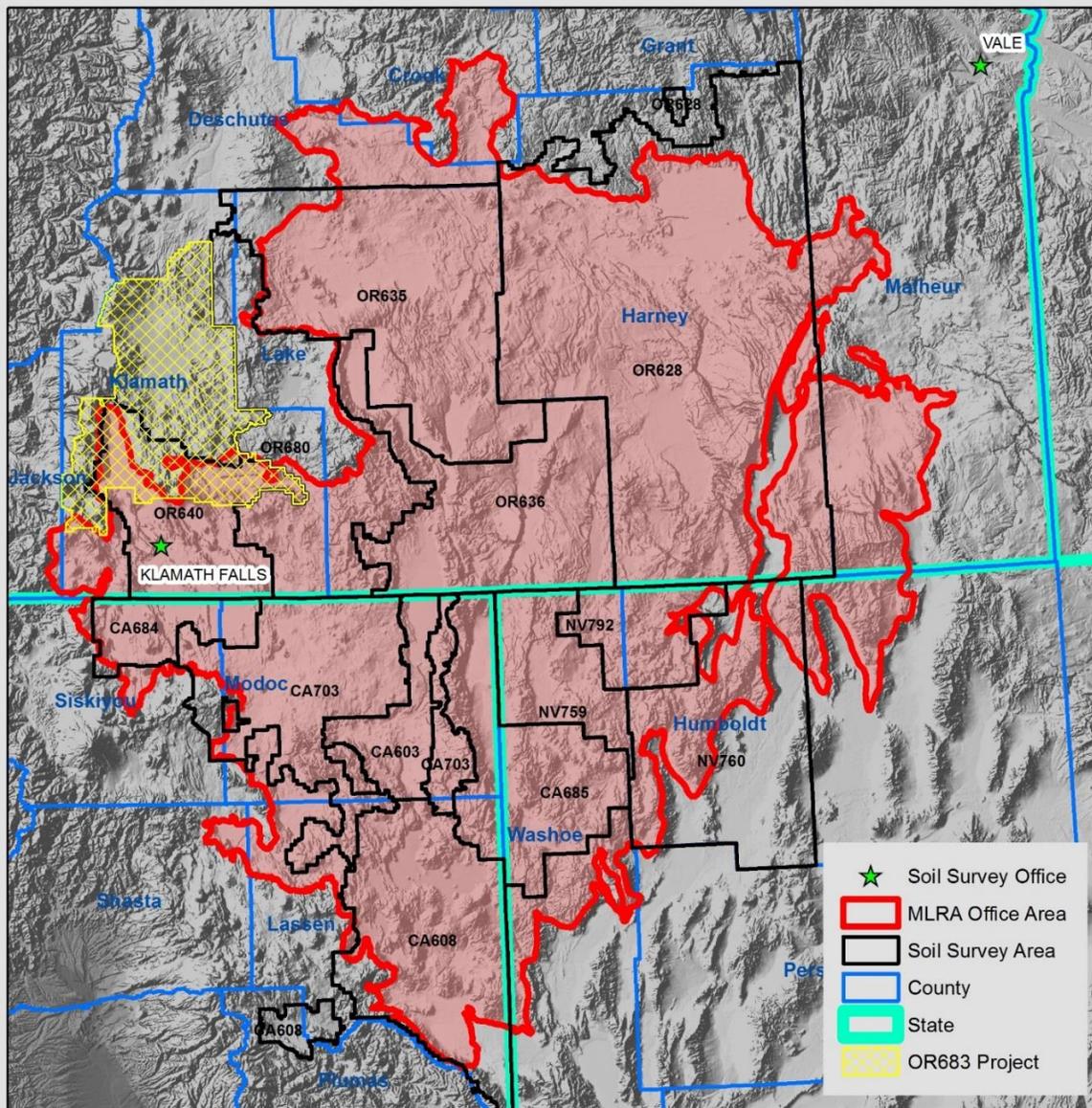
Natural Resources Conservation Service

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AREA OF RESPONSIBILITY

Klamath Falls MLRA
Soil Survey Office

MLRA's 21 and 23



- Soil Survey Office
- MLRA Office Area
- Soil Survey Area
- County
- State
- OR683 Project



Produced by USDA - NRCS, Soil Survey Office,
Klamath Falls, OR. Jan., 2015



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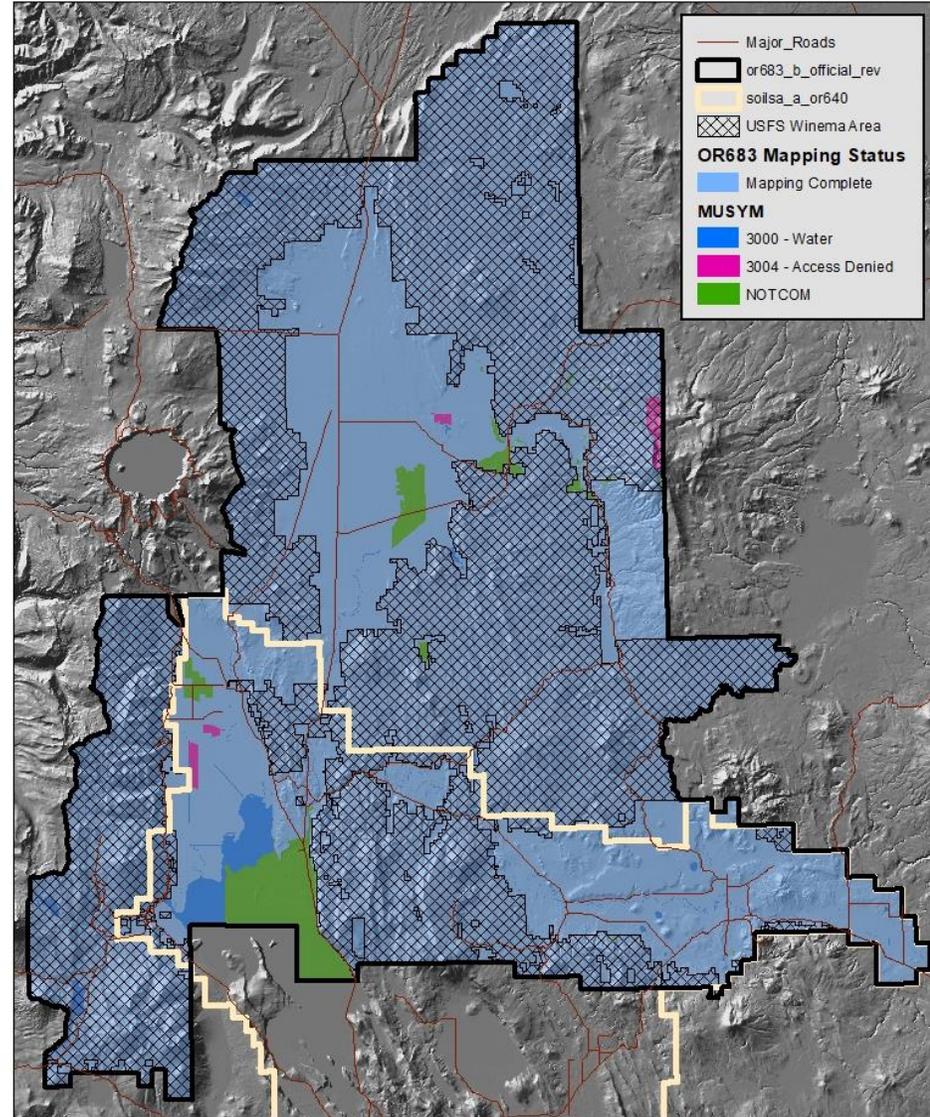
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Mapping Status

**OR683
Winema
National Forest
& Northern
Klamath
County Area**

Mapping Progress
OR683 -- Winema TEUI / N. Klamath Co.

May, 2019



NAD 83, UTM Zone 10N
USDA-NRCS
Soil Survey Project Office
Klamath Falls, OR



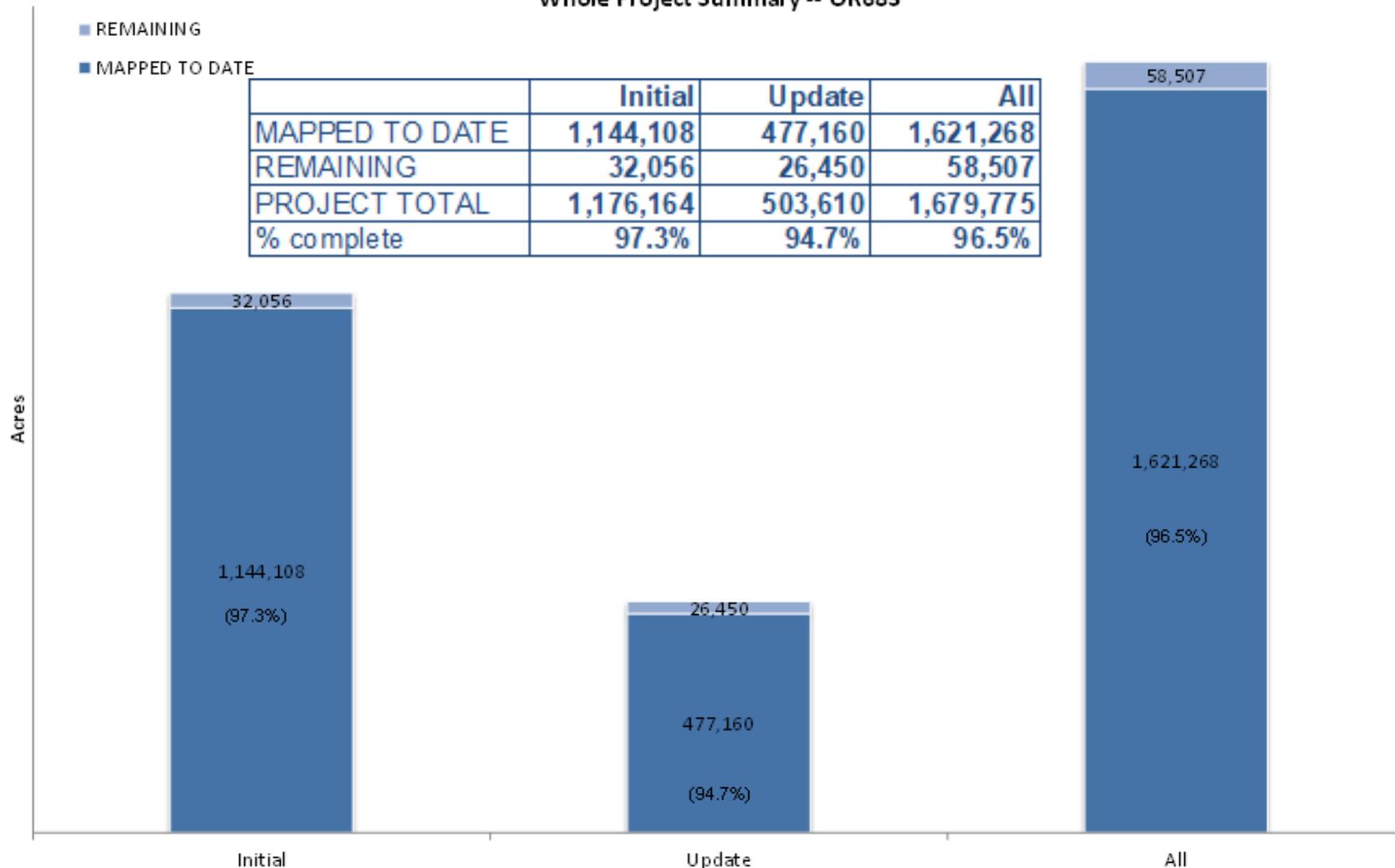
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Mapping Status

**OR683
Winema
National Forest
& Northern
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County Area**

Whole Project Summary -- OR683



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OTHER PROJECTS



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Salem Soil Survey Office (1-SAL)

General Soils Map

- In Progress
- Potentially finished by end of calendar year

Provisional Ecological Sites

- In Progress

Willamette National Forest

- In Progress
- Uncertainty over access/CR clearance

Forest Productivity Data Update

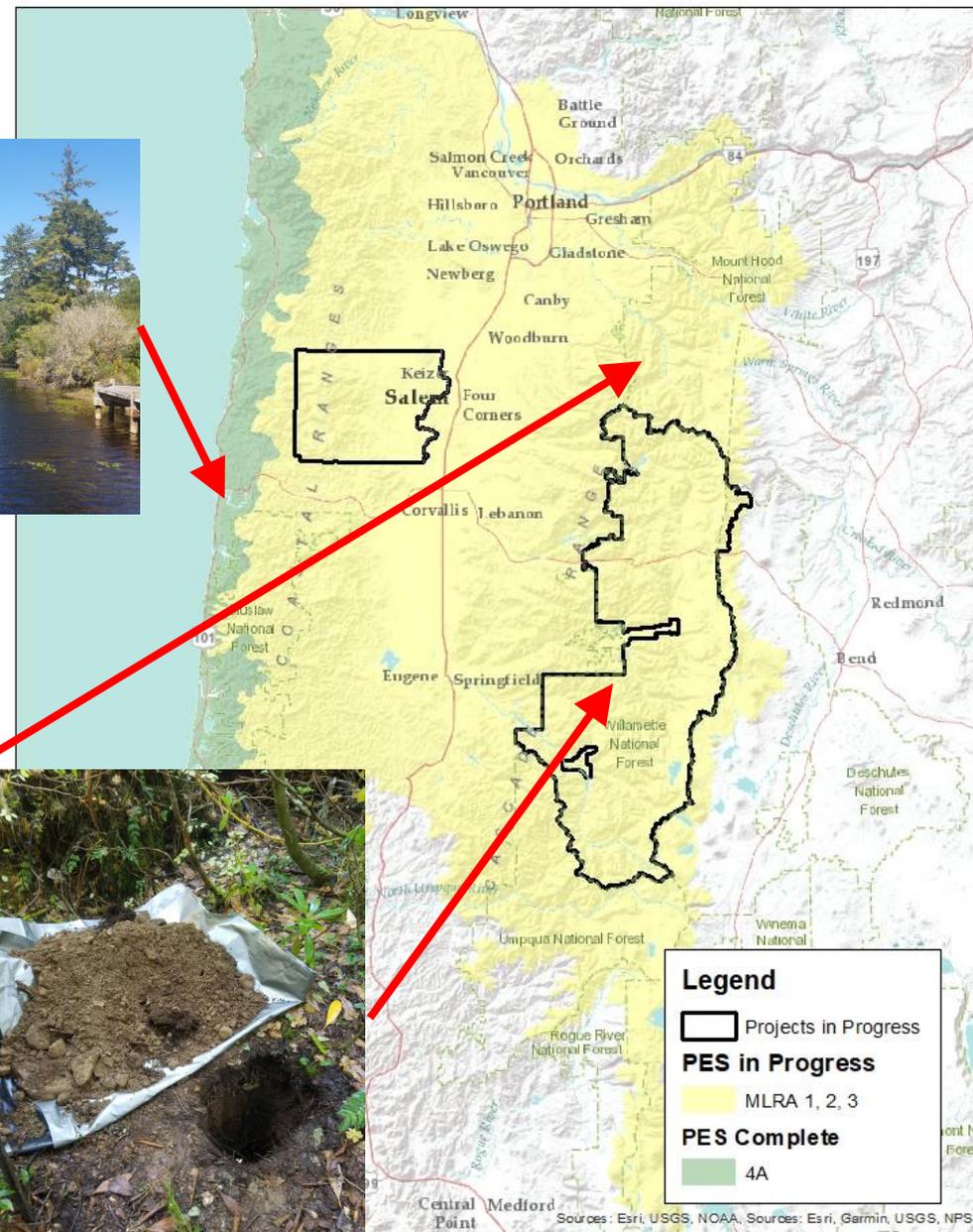
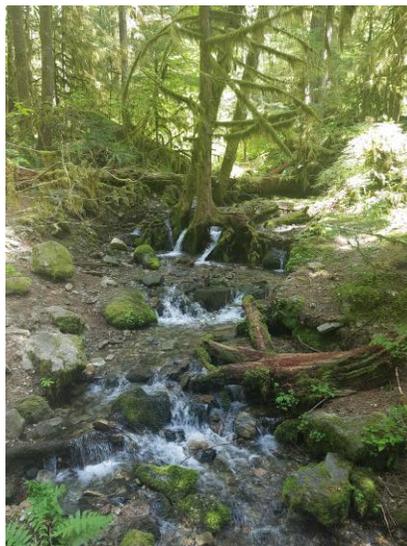
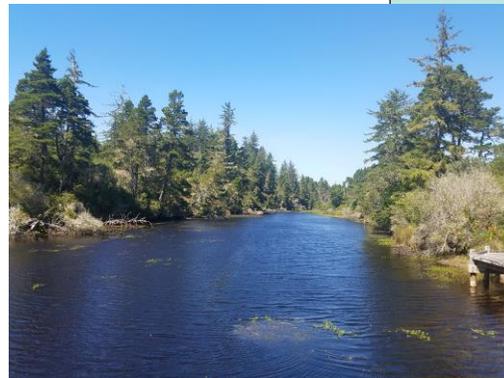
- Completed!

Soil Moisture Regime Project

- Awaiting lab results

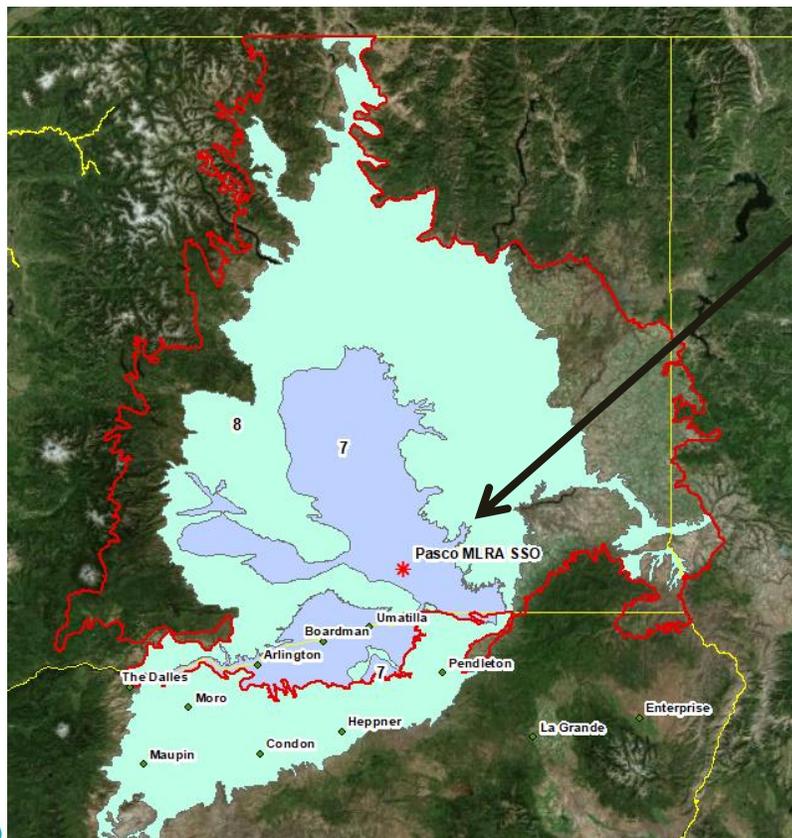
Gresham-Sandy Urban Area Update

- Currently on hold



Pasco MLRA Soil Survey office FY19 priorities for Oregon is mainly the PES effort. For FY19 it is planned to finish the PES work for MLRA 8 (little in Oregon) and MLRA 7 (all).

Pasco MLRA SSO area, highlighted by the red linework.



Pasco MLRA SSO PES work area coverage in Oregon. Mostly MLRA 7, with a little MLRA 8.

Columbia River in MLRA 7.





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