

Natural Resources Conservation Service

STATE OFF-SITE METHODS (SOSM) FOR FOOD SECURITY ACT WETLAND IDENTIFICATION



Photo credit: Jericho Winter

Jericho Winter Oregon NRCS State Soil Scientist

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Food Security Act of 1985, as amended

Wetland Conservation Provisions

The Food Security Act's wetland conservation (WC) provisions were enacted to assist in protecting the values, acreage, and functions of the Nation's wetlands.

...remove certain incentives to produce agricultural commodities on a converted wetland.





Natural Resources Conservation Service



How to Remain in Compliance with the WC Provisions

Notify the Farm Service Agency prior to any new activity that:

- improves or creates drainage
 - land levels
 - fills
 - clears land, or
 - conducts excavation

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Wetland Identification Policy & Procedures

- 1987 Corps of Engineers Wetland Delineation Manual
- Regional Supplements
- Food Security Act Wetland Identification Procedures*

*States are provided the option to develop and use a State Offsite Method (SOSM)

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Ecological Site Descriptions

Official Series Descriptions

Hydric Soils List/Web Soil Survey

Web Soil Survey Report/Archived Soil Surveys

National Wetland Inventory Maps

USGS Topographic Maps

Lidar

Remote Tools

Referenced in

Oregon's SOSM:

Aerial Imagery

Farm Service Agency and/or Producer records

Historic Drainage Records





Natural Resources Conservation Service

U.S. DEPARTMENT OF AGRICULTURE

LOCATION DAYTON Established Series Rev. WRP/DRJ/RWL 02/2015



DAYTON SERIES

The Dayton series consists of very deep, poorly drained soils that formed in silty and clayey glaciolacustrine deposits. Dayton soils are on terraces. Slopes are 0 to 2 percent. The mean annual precipitation is about 42 inches and the mean annual temperature is about 22 degrees F.

TAXONOMIC CLASS: Fine, smectitic, mesic Vertic Albaqualfs

OR

TYPICAL PEDON: Dayton silt loam, cultivated. (Colors are for moist soil unless otherwise noted.)

Ap-0 to 9 inches; grayish brown (10YR 5/2) silt loam, light brownish gray (10YR 6/2) dry; moderate medium granular structure; slightly hard, friable, slightly sticky and slightly plastic; many fine irregular pores; many very fine roots; strengly acid (plf 5.1), shrupt smooth boundary; (5 to 10 inches thick)

E1.-9 to 12 inches; dark gray (10YR 4/1) silt loam, gray (10YR 6/1) dry; massive; slightly hard, friable, slightly sticky and slightly plastic; many very fine roots; many fine irregular pores; common fine black and dark reddish brown redox masses or fine corrections; strongly acid (pH 5.1); clear smooth boundary; (3 to 9 mches thick)

E2-12 to 15 inches; dark gray (5Y 4/1) silt loam, gray (10YR 6/1) dry; moderate fine subangular blocky structure; slightly hard, firm, moderately sitcky and moderately plastic; many very fine tubular pores; common very fine roots; common fine black and dark reddish brown redox masses or fine concretions; strongly acid (pH 5/4); abruy mooth boundary. (0 to 5 inches thick)

2B(1-15 to 22 inches; dark gray (5Y 4/1) silty clay, light brownish gray (10YR 6/2) and gray (10YR 6/1) dry; moderate coarse prismatic structure; very hard, very firm, very sticky and very plastic; many fine tubular pores; common very fine roots; few medium black redox masses and gray coatings on faces of peds; strongly acid (pH 5); clear smooth boundary. (5 to 21 inches thick)

2Bt2--22 to 29 inches; olive gray (5Y 5/2) silty clay, light olive gray (5Y 6/2) dry, moderate medium and coarse prismatic structure; very hard, very firm, very sticky and very plastic; many very fine tubular pores; clay films not discernible; common black and dark reddish brown redox masses or fine concretions; moderately acid (pH

0

0 0.1 0.2 0.													
uly 1 2025	Map unit symbol and soil name	Hydrologic group	Surface runoff	Most likely months	Water table			Ponding			Flooding		moderate medium prismatic structure;
Wetlands					Upper limit	Lower limit	Kind	Surface depth	Duration	Frequency	Duration	Frequency	cominent clay films on faces of peds and accumulation; neutral (pH 6.8); gradual
Estuarine and Marine Wet					Ft	Ft		Ft					(6/2) dry; massive; hard, firm,
	1-Actem cobbly loam, 2 to 20 percent slopes												/ faint clay films on fractures and
	Actem	D		Jan-Dec	-	-	-	-	-	None	-	None	masses of iron accumulation; neutral
	2-Actem extremely cobbly loam, low precipitation, 2 to 15 percent slopes												
	Actem	D		Jan-Dec	-	-	-	-	-	None	-	None	'R 7/4) dry; massive; slightly hard,
	3-Actem-Robson complex,	2 to 20 perce	nt slopes										1/3
	Actem	D		Jan-Dec	-	-	-	-	-	None	-	None	
	Robson	D		Jan-Dec	-	-	-	-	-	None	-	None	
	4—Alvodest silty clay loam, 0 to 3 percent slopes												
	Alvodest	C/D		Jan-Mar	0.0-1.0	6.0	Apparent	0.0-0.5	Long (7 to 30 days)	Frequent	-	None	
				Apr	2.5-3.5	6.0	Apparent	0.0-0.5	Long (7 to 30 days)	Frequent	-	None	
				May-Nov	-	-	-	-	-	None	-	None	
				Dec	0.0-1.0	6.0	Apparent	0.0-0.5	Long (7 to 30 days)	Frequent	-	None	
	5-Alvodest-Playas complex, 0 to 2 percent slopes												
	Alvodest	C/D		Jan-Mar	0.0-1.0	6.0	Apparent	0.0-0.5	Long (7 to 30 days)	Frequent	-	None	
				Apr	2.5-3.5	6.0	Apparent	0.0-0.5	Long (7 to 30 days)	Frequent	-	None	
				May-Nov	-	-	-	-	-	None	-	None	
				Dec	0.0-1.0	6.0	Apparent	0.0-0.5	Long (7 to 30 days)	Frequent	-	None	
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If the agency expert determines that remote resources do not adequately characterize a site, an on-site evaluation will be conducted.

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Oregon SOSM Adoption Process:



Consultation with the NRCS State technical committee

Notice and comment in the Federal Register

NRCS will post the State Offsite Methods in the FOTG.

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OTAC input on proposed Oregon NRCS State Offsite Methods for Food Security Act Wetland Identification.

By August 1, 2025







https://www.nrcs.usda.gov/getting-assistance/financial-help/conservation-compliance

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