Oregon Department of Forestry GIS Metadata
Title: CAR Hazard: Insect

Theme Keywords:

	Currency Reference: 8/29/2005

Identification Information

Currentness Reference: 8/29/2005

Citation Information

Beginning Date: 20050829

Originator: ODF

Ending Date: Unknown

Publication Date:

Native Data Set Environment: A/I Grid, ver. 8.0.1

Point of Contact: Jim Wolf, Mike Schuft

Status

Oregon Department of Forestry GIS

Progress: Complete

2600 State Street

Maintenance & Update Frequency: As needed

Salem Oregon 97310

(503) 945-7335

Description:

Abstract: Community At Risk Hazard factor for insect and disease mortality: Historic insect and disease mortality creates fuel conditions that are prone to uncharacterist fire behavior. Data source: Forest Health Protection Aerial Survey Data (1990-2004) (http://www.fs.fed.us/r6/nr/fid/data.shtml). Process used: For each year (1990-2004), calculate Total Damage (trees per acre) by adding damage agents 1-3; convert to grid; add all grids together to sum damage over time; For each year (1990-2004), select areas with moderate or higher defoliation from spruce budworm; convert to grid; identify areas with 3 consecutive years of defoliation; reclassify based upon Total Damage (trees per acre) to determine Insect grid. Rating: 0 TPA total damage=0,.1-.9 TPA total damage=1, 1-2.9 TPA total damage=2, 3+ TPA total damage or 3 years of spruce budworm defoliation=3. Updated with burn severity by changing any total damage value of 4 to 0 where ever the burn severity was high (4). See GIS Process for Identifying Communities At Risk.doc

Purpose: Oregon Communities At Risk assessment for 2004 for the National Fire Plan. Insect factor is a component of the Hazard Rating.

Access Constraints: None

Use Constraints: None

Source Scale Denominator: 0

Spatial Data Organization Information

Spatial Domain

Spatial Reference Method: Rastor

Bounding Coordinates

Spacial Reference Information

North: 46.278° *East:* -120.904°

Map Projection: Lambert Conformal Conic

South: 41.923° *West:* -124.498°

Grid Coordinate System: Oregon Lambert Projection

Geographic Area: Oregon

Parameters

Graphic Overview

1st Standard Parallel	43 00 00.000
2nd Standard Parallel	45 30 00.000
Central Meridian	-120 30 00.00
Latitude of Projection's Origin	41 45 0.000

False Easting (meters) 400000.00000 , (1,312,335.958 feet)

Horizontal Units: International Feet (.3048 meters or 3.280839895 ft / meter

Horizontal Datum: North American Datum of 1983-91 (HPGN)

Vertical Datum: North American Vertical Datum of 1988
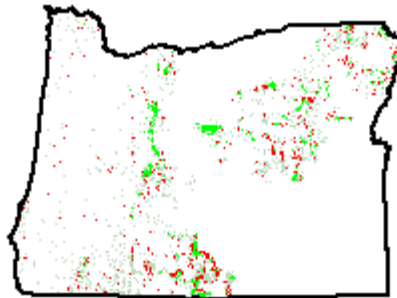
Spheroid: GRS 1980

Distribution Information

Standard Order Process

Digital Transfer Option

Digital Transfer Information

Online Option:

Format Name:

Access Instructions: Data is available from the

Transfer Size:

ODF Intranet at //salemgis/gislib/odfdata/fire

Distributer Contact: See Point of Contact

Offline Option:

Oregon Department of Forestry GIS Metadata
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Metadata Reference　　**Metadata Date:**　10/1/2005　　**Metadata Contact: See Point of Contact**

Entity and Attribute Information

ODF Type	Feature	Required	Field Name	Definition	Item Type	FW
ODF	*Raster*	*required*	*Value*	*Insect hazard based upon tree mortality (1990-2004)*		☐
Field Values:			0	No tree mortality		
			1	.1-.9 TPA total damage		
			2	1-2.9 TPA total damage		
			3	3+ TPA total damage or 3 years of spruce budworm defoliation		