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# Oregon Department of Forestry GIS Metadata

## Title: CAR Value: Life

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### Theme Keywords:

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#### Identification Information

##### Citation Information

**Originator:** ODF

**Publication Date:**

**Point of Contact:** Jim Wolf, Mike Schuft

Oregon Department of Forestry GIS

2600 State Street

Salem Oregon 97310

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**Currentness Reference:** 8/29/2005

**Beginning Date:** 20050829

**Ending Date:** Unknown

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

##### Status

**Progress:** Complete

**Maintenance & Update Frequency:** As needed

#### Description:

**Abstract:** Community At Risk Value factor for life: Based upon population density. While many counties have excellent data for dwelling locations, these data do not exist statewide at this time. A process was used to assign the population of each census block to the geographic area most likely to have dwellings - on private land and near roads. The population density is based upon this area. Seasonal and resort communities (second homes) are largely overlooked by census data. Data source: Census ([http://www.gis.state.or.us/data/2000\\_census.html](http://www.gis.state.or.us/data/2000_census.html)), Private Ownership (Western Forest Ownership:<http://www.gis.state.or.us/data/alphalist.html>, Eastern Oregon: Land, Public Ownership: <http://www.gis.state.or.us/data/alphalist.html>) Rod (Census Line Feature - Roads (to obtain address attributes)([http://www.esri.com/data/download/census2000\\_tigerline/](http://www.esri.com/data/download/census2000_tigerline/)), Tribal lands ([http://arcdata.esri.com/data/tiger2000/tiger\\_statelayer.cfm](http://arcdata.esri.com/data/tiger2000/tiger_statelayer.cfm)). Process used: Convert owner and road data to grid, generate distance to roads, query for lands with population, on private land (non-industrial private in western Oregon), within ¼ mile of roads, OR any lands within an federally recognized Indian reservation with ¼ mile of a road segment with zip code attribute, convert to shape, calculate population density for each census block based upon "new" area (private land near roads), delete isolated polygons with fewer than 8 people, reclassify density into WUI\_Code.shp as follows: Population Per Square Mile, 0=0 (unpopul), 0.1-28=1 (scattered), 28-111=2 (rural), 112 -560=3 (suburban), 560 - 3731=4 (urban); 3732+=5 (non-forest). Life grid rating: WUI code 0 or 1 = 1, wui code 2 or 3 = 2, wui code 4 or 5 = 3 See GIS Process for Identifying Communities At Risk.doc

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

**Access Constraints:** None

**Use Constraints:** None

**Source Scale Denominator:** 0

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#### Spatial Data Organization Information

**Spatial Reference Method:** Rastor

#### Spacial Reference Information

**Map Projection:** Lambert Conformal Conic

**Grid Coordinate System:** Oregon Lambert Projection

##### Parameters

**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

#### Spatial Domain

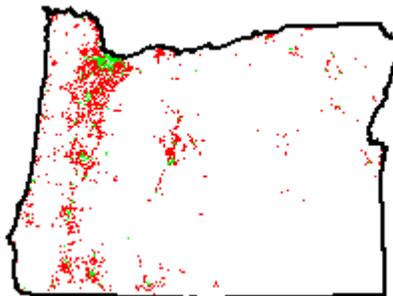
##### Bounding Coordinates

*North:* 46.278° *East:* -120.904°

*South:* 41.923° *West:* -124.498°

**Geographic Area:** Oregon

##### Graphic Overview



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#### Distribution Information

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**Oregon Department of Forestry GIS Metadata**  
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**Standard Order Process**

**Digital Transfer Information**

**Format Name:**

**Transfer Size:**

**Digital Transfer Option**

**Online Option:**

**Access Instructions: Data is available from the ODF Intranet at //salemgis/gislib/odfdata/fire**

**Distributor Contact: See Point of Contact**

**Offline Option:**

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**Metadata Reference**

**Metadata Date:** 10/1/2005

**Metadata Contact: See Point of Contact**

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**Entity and Attribute Information**

ODF Type	Feature	Required	Field Name	Definition	Item Type	FW
ODF	Raster	required	Value	Life Value factor (WUI Code) based upon persons per square mile		<input type="checkbox"/>
<b>Field Values:</b>			1	WUI code 0 or 1: <1 home/40 acres		
			2	WUI code 2 or 3: 1-19.9 homes/40 acres		
			3	WUI code 4 or 5: 20+ homes/40 acres		