

Oregon's *Communities At Risk* Assessment

September 12, 2006

Background

Oregon natural resource agencies, fire service professionals, and communities facing the threat of wildfires recognize the need for risk assessment. Many local communities and counties throughout Oregon have developed local risk assessments using a variety of methods. A statewide task force was formed in February 2004 as part of the Oregon Department of Forestry's Fire Program Review to develop a statewide assessment of *Communities At Risk*. This supports fulfillment of the Memorandum of Understanding (MOU) between the National Association of State Foresters (NASF) and federal agencies as well as Task E in Goal 4 of the *Implementation Plan for the 10-Year Comprehensive Strategy*. The task force brought together a number of stakeholder organizations outside of those involved in the MOU. The statewide *Communities At Risk* assessment also provides guidance for communities in the process of developing or updating local risk assessments to align with the state methodology.

The task force approved the methodology and initial statewide assessment. This assessment identifies communities and assigns each a *low, moderate, or high risk rating for Risk, Hazard, Protection Capability, Value, and Overall*. Because the definition of *community* within the federal legislation referenced above includes verbiage about populated areas "within or adjacent to federal lands", this assessment also identifies those listed communities in proximity to federal or tribal lands.

A local, collaborative review of the initial assessment followed during the winter of 2006, thus completing the final step in the assessment process. Local tax lot data was used from 25 counties to improve identifying the location of dwellings at risk in those areas; community (jurisdiction) names were updated; the fuel hazard rating was increased for certain agricultural vegetation classifications in eastern Oregon; and all related layers were updated to reflect the changes.

Unlike the previous *Communities At Risk* list from the 2001 federal register, this risk assessment will be dynamic and maintained by the Oregon Department of Forestry. It will replace the listing in the federal register.

Results

Five hundred sixty-four (564) *Communities At Risk* in Oregon were identified and assessed for their relative risk to wildfire. *Community At Risk* is a "geographic area within and surrounding permanent dwellings with basic infrastructure and services, under a common fire protection jurisdiction, government, or tribal trust or allotment, for which there is a significant threat due to wildfire." They were identified by determining where permanent dwellings with basic infrastructure and services exist at the density required by federal legislation; a community name was assigned to these populated areas based upon a common fire protection jurisdiction, government, or tribal trust or allotment; then a geographic area surrounding these populated jurisdictions was identified to be considered part of the community based upon a fire shed concept.

The map below (Figure 1) displays three elements of the assessment: 1) Community Boundary: the geographic area considered to be *Communities At Risk* (the fire shed area surrounding populated areas meeting the *community* criteria), 2) Landscape Rating: a composite rating for *risk, hazard, protection capability, and values* at risk covering the entire landscape of Oregon, and 3) Community Rating: populated areas meeting the *community* criteria with overall rating assigned.

The following four maps (Figure 2) display the factors assessed: *risk, hazard, protection capability, and value*.

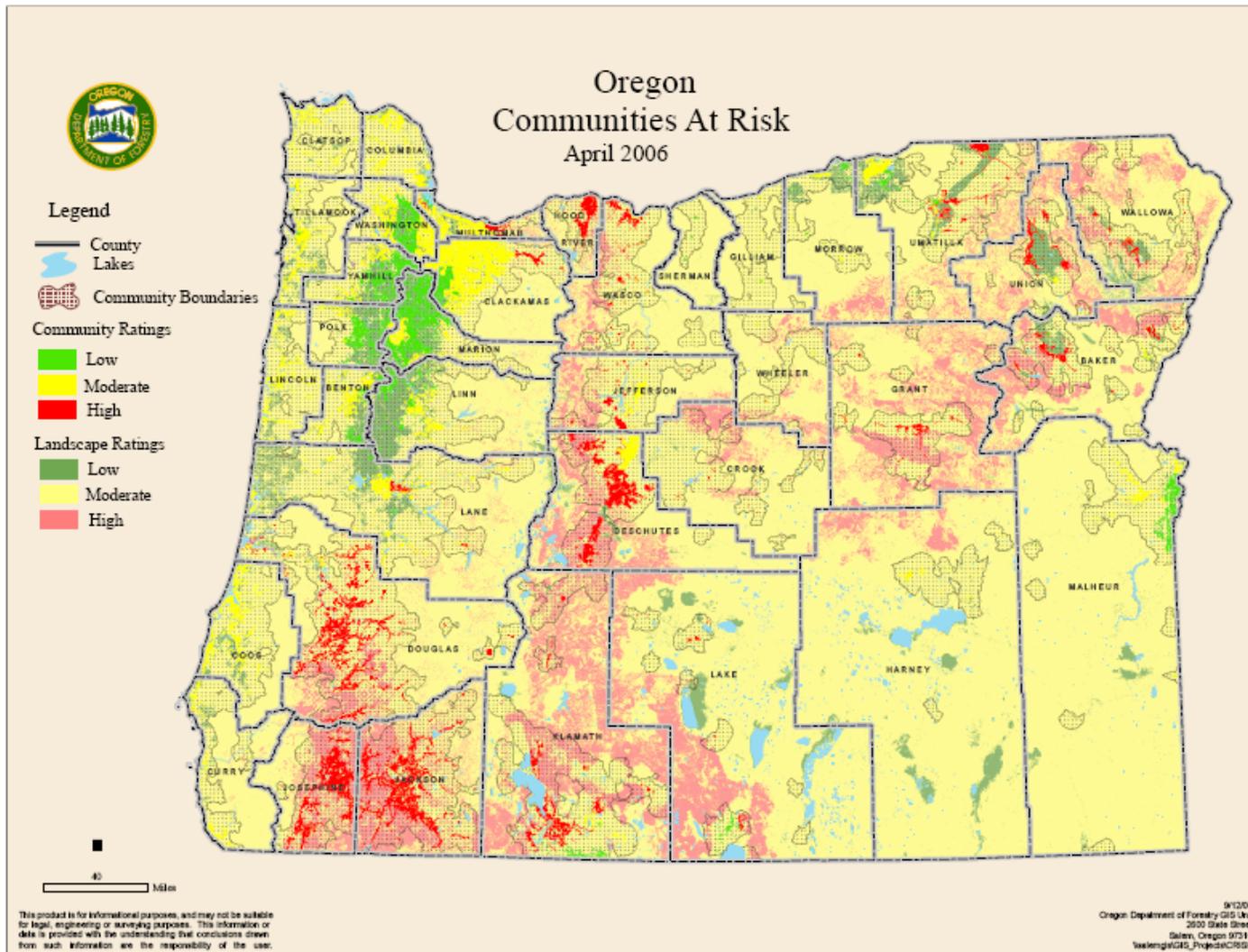


Figure 1. Community At Risk overall assessment

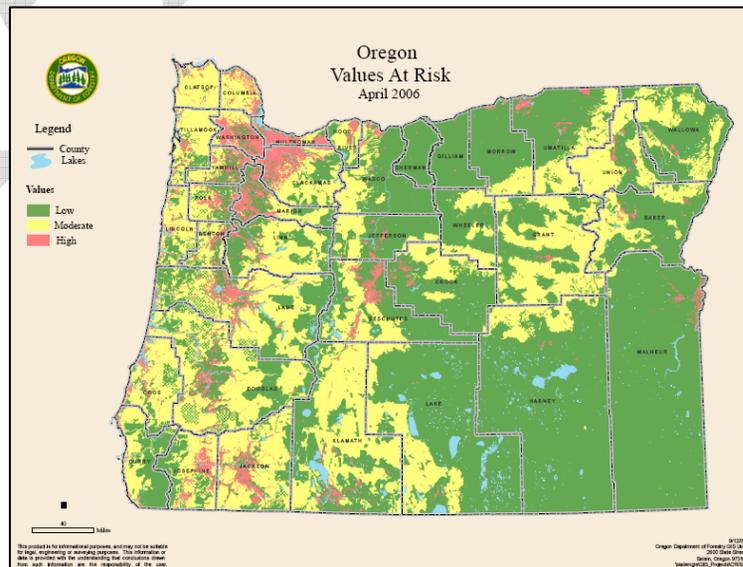
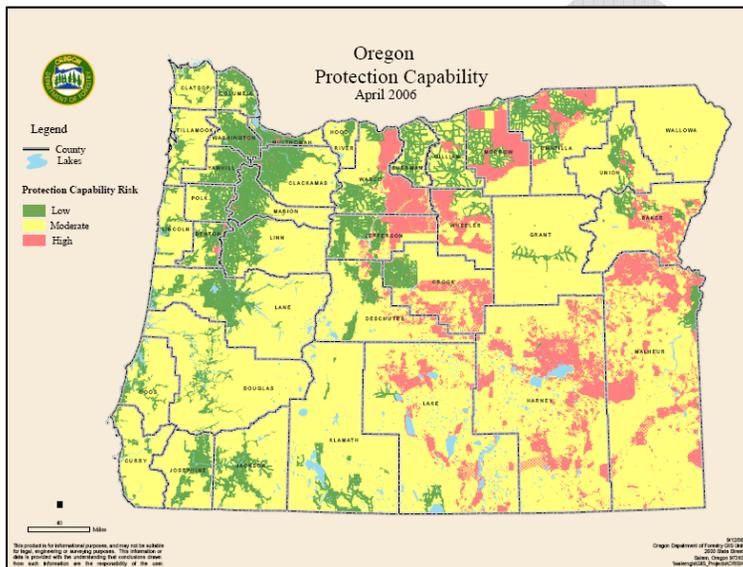
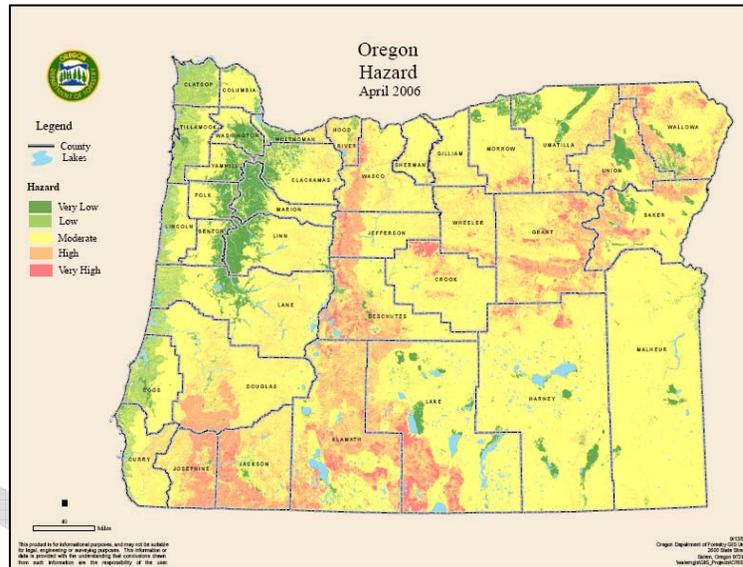
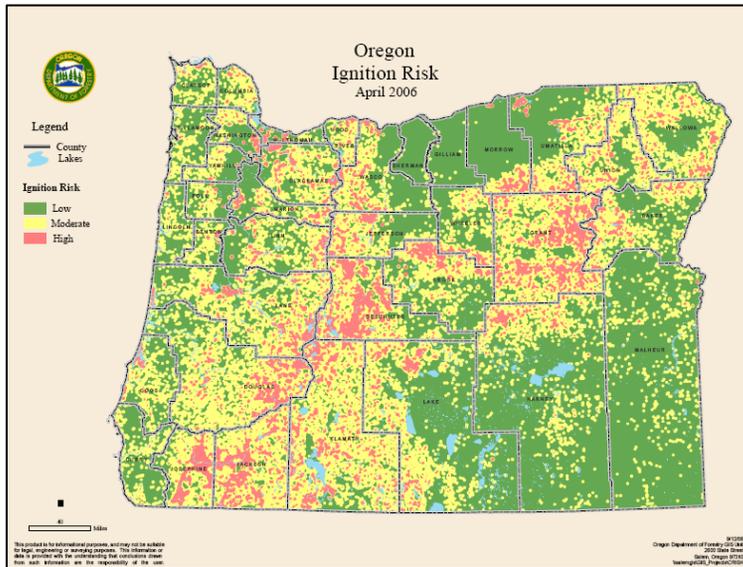


Figure 2. Assessment factors of risk, hazard, protection capability, and value

Table 1 shows the number of communities with an overall rating in each classification, based upon their proximity to federal and tribal lands. The overall ratings are a composite of *risk*, *hazard*, *protection capability*, and *values at risk*.

Table 1. Statewide totals

Overall Rating	Proximity to Federal-Tribal Lands		Total
	No	Yes	
H	1	154	155
M	20	290	310
L	11	88	99
Total	32	532	564

Table 2 is a listing of counties and the number of communities by overall rating. The number of communities with proximity to federal or tribal lands is also included.

Table 2. Totals by county

County	Overall Rating			Total	Proximity To Federal-Tribal Lands
	L	M	H		
BAKER	1	5	7	13	13
BENTON	6	8		14	14
CLACKAMAS	4	27		31	30
CLATSOP		19		19	19
COLUMBIA		13		13	10
COOS		24		24	24
CROOK		1	1	2	2
CURRY		17		17	17
DESCHUTES		2	10	12	12
DOUGLAS		8	33	41	41
GILLIAM		6		6	6
GRANT		2	11	13	13
HARNEY		4		4	4
HOOD RIVER			8	8	8
JACKSON			22	22	22
JEFFERSON		4	4	8	8
JOSEPHINE			9	9	9
KLAMATH		7	13	20	20
LAKE		1	6	7	7
LANE	6	31	4	41	40
LINCOLN		17		17	17
LINN	14	16		30	29
MALHEUR		9	1	10	10
MARION	30	10	1	41	38
MORROW	2	8		10	6
MULTNOMAH	1	13		14	13
POLK	10	7		17	17
SHERMAN		7		7	2
TILLAMOOK		16		16	16
UMATILLA	3	17	4	24	22

UNION	4	4	8	16	16
WALLOWA	1		5	6	6
WASCO		6	9	15	15
WASHINGTON	8	13		21	16
WHEELER		3	3	6	4
YAMHILL	15	6		21	17
Total by County ¹	105	331	159	595	563

A complete listing of Communities At Risk, sorted by county follows in Appendix A.

A full discussion the of the risk assessment methodology, including additional maps, is included in Appendix B.

Frequently Asked Questions

- **What is the relationship of this statewide *Communities At Risk* assessment to the 2001 list on the federal register?** The community listing and assessment developed through this process replaces the federal register list.
- **What is the relationship between the community boundaries established in this statewide *Communities At Risk* assessment, the old communities at risk (sometimes referred to as CAR) boundary, and the Wildland Urban Interface (WUI) boundary established in the *Community Wildfire Protection Plan* process?** The new community boundary has officially replaced the “CAR” layer which has been in use since 2001. The new boundary is significantly larger, since it includes the “geographic area within and surrounding the populated areas.” It is based upon a “fire shed” concept, including the area surrounding the community where economic, social, cultural, and visual values important to the community exist, and where strategic fuel reduction planning needs to occur to protect the community from large catastrophic wildfires. The statewide process identified areas within two km of populated jurisdictions, as well as the adjacent sixth field watershed(s), not exceeding 8 km.

Communities (and their boundaries) are identified by the state through the risk assessment process or during development of *Community Wildfire Protection Plans*. **Wildland-Urban Interface (WUI)** is an area within or adjacent to an at-risk community identified in a *Community Wildfire Protection Plan (CWPP)*. In the absence of a CWPP, the Healthy Forest Restoration Act (HFRA) limits the WUI to within ½ mile of an At-Risk Community’s boundary or within 1½ miles when mitigating circumstances exist, such as sustained steep slopes or geographic features aiding in creating a fire break.

- **What is the relationship of this statewide *Communities At Risk* assessment to local risk assessments completed for *Community Wildfire Protection Plans*?** While the scale of the assessment process is different, the basic assessment criteria and data are compatible. National guidance for both processes requires evaluation of the same four factors - *risk, hazard, protection capability, and values*. The CWPP Handbook developed by the National Association of State Foresters and Society of American Foresters, among others, breaks *value* into two categories – homes and other. *Values* in local assessments can also include economic, social, and ecological factors. Some assessments in Oregon also include structural vulnerability. The statewide assessment can be a good data source for a CWPP assessment if better local data doesn’t exist or if the community doesn’t have the GIS capacity. However, this data will only be a good source **IF** it is validated through a collaborate CWPP planning process.

¹ Total by county is higher than total communities due to some communities occur in more than one county.

- **If better data exists in local areas, why wasn't it used for the statewide assessment?** The *Communities At Risk* assessment is being used to develop a statewide fuels strategy and to help set large-scale priorities across geographic areas (watersheds, multi-county coordination areas, etc). The task group developed the methodology using national guidance. At this scale, available data must be applied consistently statewide for relative comparisons. Community and local priorities, including prioritization of projects, will be determined through community wildfire protection plans and local assessments using more refined local data. Important factors that need to be considered in assessment of individual lots and neighborhoods, such as roof type, defensible space, and access, are not considered at the statewide scale and will not be part of the statewide assessment at this time
- **What if the local rating developed in a CWPP doesn't match the state Community At Risk Rating?** This is to be expected in many cases. Recent experience shows that local and county-level assessments may need to use different break points to establish *Low*, *Medium*, and *High* ratings to have a useful assessment tool. The statewide break points were developed with a goal of creating a nearly equal number of communities rated *Low*, *Medium*, and *High*. The effect locally may be that all the communities in a local area have the same rating, making the assessment useless for local prioritization. Local ratings will be added to, not replaced by the statewide rating.
- **How good is the current assessment?** The assessment task group developed data products that have not been available in the past. Every effort was made to use the best data available statewide. However, in evaluating best available data, some data gaps have been exposed. The most significant gaps will be filled over the next two years. However, this assessment has some data limitations users need to be aware of:
 - For 11 of 36 counties without tax lot data, the population density data used to determine community locations and values is based upon 2000 census population, private ownership, and proximity to roads. Seasonal and resort communities (second homes) are largely overlooked by census data and should be addressed in local plans;
 - Some of the vegetation and related fire-potential data used to determine fire characteristics are inferred from 1992-1996 satellite imagery using crosswalks developed through expert opinion. They have not been field verified in many locations. To compensate, the inclusion of burn severity data from large fires was used to "update" these vegetation data. Also, insect and disease maps developed from aerial surveys were used to help identify highest fire hazard;
 - Protection response capability data are based upon existence of a protection agency, not the capability of the agency or response times, as is usually the process in local assessments;
 - Values are based upon population density, very significant municipal watersheds, and commercial forest values. Important local values - such as infrastructure, ecological values, and historical and cultural sites - while important locally, are not considered in the statewide assessment. These need to be addressed in local plans;
 - Risk to wildfire may be exacerbated by the socioeconomic conditions of communities and individuals. The statewide assessment does not include socioeconomic indicators of risk, but communities can include this in local plans; and
 - The assessment uses boundaries for federally recognized Tribal reservations, but does not recognize areas with culturally significant and ancestral Tribal lands. Counties and communities that may have ancestral Tribal lands should coordinate with the Tribe in developing local plans.

Listing of Communities At Risk and Rating

Oregon <i>Communities At Risk</i> April 2006 version Community/Jurisdiction	County	Risk	Hazard	Protection	Value	Overall	Fed-Tribal Lands
BAKER (COUNTY)	BAKER	H	H	H	L	H	Y
BAKER CITY (CITY)	BAKER	L	H	H	L	H	Y
BAKER RFPD (RFPD)	BAKER	L	H	H	L	H	Y
EAGLE VALLEY RFPD (RFPD)	BAKER	L	H	H	L	M	Y
HAINES (CITY)	BAKER	L	L	L	L	L	Y
HAINES FIRE PROTECTION DIST. (RFPD)	BAKER	L	H	L	L	H	Y
HALFWAY (CITY)	BAKER	M	H	H	L	H	Y
HUNTINGTON (CITY)	BAKER	L	M	H	L	M	Y
KEATING RFPD (RFPD)	BAKER	L	M	H	L	M	Y
PINE VALLEY RFPD (RFPD)	BAKER	L	H	H	L	H	Y
RICHLAND (CITY)	BAKER	L	M	L	L	M	Y
SUMPTER (CITY)	BAKER	H	H	M	H	H	Y
UNITY (CITY)	BAKER	L	M	M	L	M	Y
ADAIR RFPD (RFPD)	BENTON	L	M	L	H	M	Y
ADAIR VILLAGE (CITY)	BENTON	L	L	L	L	L	Y
ALBANY (CITY)	BENTON	L	L	L	L	L	Y
ALSEA RFPD (RFPD)	BENTON	M	M	M	H	M	Y
BENTON (COUNTY)	BENTON	H	M	H	H	M	Y
BLODGETT-SUMMIT RFPD (RFPD)	BENTON	M	M	M	H	M	Y
CORVALLIS (CITY)	BENTON	H	L	L	H	L	Y
CORVALLIS FIRE DEPT (RFPD)	BENTON	H	L	L	H	M	Y
HOSKINS-KINGS VLY RFPD (RFPD)	BENTON	M	M	L	H	M	Y
MONROE (CITY)	BENTON	L	L	L	L	L	Y
MONROE RFPD (RFPD)	BENTON	L	L	L	H	L	Y
NORTH ALBANY (RFPD)	BENTON	L	L	L	L	L	Y
PHILOMATH (CITY)	BENTON	H	L	L	H	M	Y
PHILOMATH RFPD #4 (RFPD)	BENTON	H	M	L	H	M	Y
BARLOW (CITY)	CLACKAMAS	L	L	L	H	L	Y
BORING FIRE DIST (RFPD)	CLACKAMAS	H	M	L	H	M	Y
CANBY (CITY)	CLACKAMAS	H	L	L	H	M	Y
CANBY RFPD (RFPD)	CLACKAMAS	L	L	L	H	L	Y
CLACKAMAS (COUNTY)	CLACKAMAS	H	M	L	H	M	Y
CLACKAMAS CO FIRE DIST #1 (RFPD)	CLACKAMAS	H	M	L	H	M	Y
COLTON RFPD #70 (RFPD)	CLACKAMAS	H	M	L	H	M	Y
ESTACADA (CITY)	CLACKAMAS	H	M	L	H	M	Y
ESTACADA RFD #69 (RFPD)	CLACKAMAS	H	M	L	H	M	Y
GLADSTONE (CITY)	CLACKAMAS	H	M	L	H	M	Y
HAPPY VALLEY (CITY)	CLACKAMAS	H	L	L	H	M	N
HOODLAND RFPD (RFPD)	CLACKAMAS	H	H	M	H	M	Y
JOHNSON CITY (CITY)	CLACKAMAS	H	M	L	H	M	Y

Oregon Communities At Risk April 2006 version Community/Jurisdiction		County	Risk	Hazard	Protection	Value	Overall	Fed-Tribal Lands
LAKE GROVE (RFPD)	CLACKAMAS	H	M	L	H	M	Y	
LAKE OSWEGO (CITY)	CLACKAMAS	H	M	L	H	M	Y	
LAKE OSWEGO F&R&LIFE SAFETY (RFPD)	CLACKAMAS	H	M	L	H	M	Y	
MILWAUKIE (CITY)	CLACKAMAS	H	L	L	H	M	Y	
MOLALLA (CITY)	CLACKAMAS	H	L	L	H	L	Y	
MOLALLA RFPD #73 (RFPD)	CLACKAMAS	H	M	L	H	M	Y	
MONITOR RFPD #58 (RFPD)	CLACKAMAS	L	L	L	H	L	Y	
OREGON CITY (CITY)	CLACKAMAS	H	M	L	H	M	Y	
PORTLAND (CITY)	CLACKAMAS	H	L	L	H	M	Y	
RIVERDALE (RFPD)	CLACKAMAS	H	L	L	H	M	Y	
RIVERGROVE (CITY)	CLACKAMAS	H	M	L	H	M	Y	
ROSEMONT (RFPD)	CLACKAMAS	H	M	L	H	M	Y	
SANDY (CITY)	CLACKAMAS	H	M	L	H	M	Y	
SANDY RFPD #72 (RFPD)	CLACKAMAS	H	M	L	H	M	Y	
TUALATIN (CITY)	CLACKAMAS	H	L	L	H	M	Y	
TUALATIN VALLEY F&R (RFPD)	CLACKAMAS	H	L	L	H	M	Y	
WEST LINN (CITY)	CLACKAMAS	H	M	L	H	M	Y	
WILSONVILLE (CITY)	CLACKAMAS	H	L	L	H	M	Y	
ASTORIA (CITY)	CLATSOP	H	L	L	H	M	Y	
BROWNSMEAD (RFPD)	CLATSOP	H	L	M	H	M	Y	
CANNON BEACH (CITY)	CLATSOP	M	L	M	H	M	Y	
CANNON BEACH RFPD (RFPD)	CLATSOP	H	L	M	H	M	Y	
CLATSOP (COUNTY)	CLATSOP	H	L	M	H	M	Y	
ELSIE-VINEMAPLE RFPD (RFPD)	CLATSOP	M	L	M	H	M	Y	
GEARHART (CITY)	CLATSOP	H	L	L	H	M	Y	
GEARHART VOL FIRE DEPT (RFPD)	CLATSOP	H	L	L	H	M	Y	
HAMLET VOL FD (RFPD)	CLATSOP	M	L	M	H	M	Y	
JOHN DAY-FERNHILL RFPD (RFPD)	CLATSOP	H	L	L	H	M	Y	
KNAPPA-SVENSEN-BURNSIDE RFPD (RFPD)	CLATSOP	H	L	M	H	M	Y	
LEWIS & CLARK RFPD (RFPD)	CLATSOP	H	L	L	H	M	Y	
MIST-BIRKENFELD RFPD (RFPD)	CLATSOP	M	M	M	H	M	Y	
OLNEY WALLUSKI F&R (RFPD)	CLATSOP	H	L	M	H	M	Y	
SEASIDE (CITY)	CLATSOP	H	L	M	H	M	Y	
SEASIDE F&R (RFPD)	CLATSOP	H	L	M	H	M	Y	
WARRENTON (CITY)	CLATSOP	H	L	L	H	M	Y	
WARRENTON FIRE DEPT (RFPD)	CLATSOP	H	L	L	H	M	Y	
WESTPORT-WAUNA RFPD (RFPD)	CLATSOP	M	M	M	H	M	Y	
CLATSKANIE (CITY)	COLUMBIA	H	M	L	H	M	N	
CLATSKANIE RFPD (RFPD)	COLUMBIA	H	M	L	H	M	Y	
COLUMBIA (COUNTY)	COLUMBIA	H	M	M	H	M	Y	
COLUMBIA CITY (CITY)	COLUMBIA	H	M	L	H	M	Y	
COLUMBIA RIVER FIRE & RESCUE (RFPD)	COLUMBIA	H	M	L	H	M	Y	

Oregon Communities At Risk April 2006 version Community/Jurisdiction		County	Risk	Hazard	Protection	Value	Overall	Fed-Tribal Lands
MIST-BIRKENFELD RFPD (RFPD)	COLUMBIA	M	M	M	H	M	Y	
PRESCOTT (CITY)	COLUMBIA	H	M	L	H	M	N	
RAINIER (CITY)	COLUMBIA	H	M	L	H	M	N	
SCAPPOOSE (CITY)	COLUMBIA	M	M	L	H	M	Y	
SCAPPOOSE RFPD (RFPD)	COLUMBIA	H	M	L	H	M	Y	
ST. HELENS (CITY)	COLUMBIA	H	M	L	H	M	Y	
VERNONIA (CITY)	COLUMBIA	H	M	M	H	M	Y	
VERNONIA RFPD (RFPD)	COLUMBIA	M	M	M	H	M	Y	
BANDON (CITY)	COOS	H	L	L	H	M	Y	
BANDON RFPD #18 (RFPD)	COOS	H	L	L	H	M	Y	
BRIDGE VOL RFPD (RFPD)	COOS	H	M	M	H	M	Y	
BUNKER HILL (RFPD)	COOS	H	L	L	H	M	Y	
CHARLESTON RFPD (RFPD)	COOS	H	L	H	H	M	Y	
COOS (COUNTY)	COOS	H	L	M	H	M	Y	
COOS BAY (CITY)	COOS	H	L	L	H	M	Y	
COOS, LOWER UMPQUA, AND SIUSLAW (RESERVATION)	COOS	H	L	M	H	M	Y	
COQUILLE (CITY)	COOS	M	L	L	H	M	Y	
COQUILLE (RESERVATION)	COOS	H	L	H	H	M	Y	
COQUILLE FIRE DEPT (RFPD)	COOS	H	L	M	H	M	Y	
DORA-SITKUM RFPD (RFPD)	COOS	M	M	M	M	M	Y	
FAIRVIEW RFPD (RFPD)	COOS	M	L	M	H	M	Y	
GREENACRES RFPD (RFPD)	COOS	H	L	M	H	M	Y	
HAUSER RFPD (RFPD)	COOS	H	L	M	H	M	Y	
LAKESIDE (CITY)	COOS	H	L	M	H	M	Y	
LIBBY (RFPD)	COOS	H	L	L	H	M	Y	
MILLINGTON FIRE DIST #5 (RFPD)	COOS	H	L	M	H	M	Y	
MYRTLE POINT (CITY)	COOS	H	L	M	H	M	Y	
NORTH BAY RFPD (RFPD)	COOS	H	L	M	H	M	Y	
NORTH BEND (CITY)	COOS	H	L	L	H	M	Y	
POWERS (CITY)	COOS	H	M	M	M	M	Y	
SUMNER RFPD (RFPD)	COOS	H	L	M	H	M	Y	
TIMBER PARK (RFPD)	COOS	H	L	M	H	M	Y	
CROOK (COUNTY)	CROOK	H	H	H	L	H	Y	
CROOK COUNTY FD (RFPD)	CROOK	H	H	L	L	M	Y	
AGNESS-ILLAHE VOL (RFPD)	CURRY	M	H	M	L	M	Y	
BROOKINGS (CITY)	CURRY	H	M	L	H	M	Y	
CAPE FERRELO RFPD (RFPD)	CURRY	H	M	M	H	M	Y	
CURRY (COUNTY)	CURRY	M	M	M	H	M	Y	
DAWSON TRACT (RFPD)	CURRY	H	M	M	H	M	Y	
GOLD BEACH (CITY)	CURRY	H	L	M	H	M	Y	
GOLD BEACH FIRE DEPT (RFPD)	CURRY	H	L	M	H	M	Y	
HARBOR RFPD (RFPD)	CURRY	H	M	M	H	M	Y	
LANGLOIS RFPD (RFPD)	CURRY	M	L	M	H	M	Y	

Oregon Communities At Risk April 2006 version Community/Jurisdiction		County	Risk	Hazard	Protection	Value	Overall	Fed-Tribal Lands
OPHIR RFPD (RFPD)	CURRY	M	L	M	H	M	Y	
PISTOL RIVER VOL FD (RFPD)	CURRY	M	L	M	H	M	Y	
PORT ORFORD (CITY)	CURRY	H	L	M	H	M	Y	
PORT ORFORD FD (RFPD)	CURRY	H	L	M	H	M	Y	
SIXES RFPD (RFPD)	CURRY	H	L	M	H	M	Y	
SQUAW VALLEY N BANK RFPD (RFPD)	CURRY	M	L	M	H	M	Y	
UPPER CHETCO (RFPD)	CURRY	H	M	M	H	M	Y	
WINCHUCK RFPD (RFPD)	CURRY	H	M	M	L	M	Y	
BEND (CITY)	DESCHUTES	H	H	L	H	H	Y	
BEND FD (RFPD)	DESCHUTES	H	H	H	H	H	Y	
BLACK BUTTE RANCH RFPD (RFPD)	DESCHUTES	H	H	M	H	H	Y	
CLOVERDALE RFPD (RFPD)	DESCHUTES	H	H	H	H	H	Y	
CROOKED RIVER RANCH RFPD (RFPD)	DESCHUTES	M	M	H	L	H	Y	
DESCHUTES (COUNTY)	DESCHUTES	H	H	H	H	H	Y	
LAPINE RFPD (RFPD)	DESCHUTES	H	H	M	H	H	Y	
REDMOND (CITY)	DESCHUTES	H	M	L	L	M	Y	
REDMOND FIRE DEPT (RFPD)	DESCHUTES	H	M	L	L	M	Y	
SISTERS (CITY)	DESCHUTES	H	H	L	H	H	Y	
SISTERS-CAMP SHERMAN RFPD (RFPD)	DESCHUTES	H	H	M	H	H	Y	
SUNRIVER (RFPD)	DESCHUTES	H	H	M	H	H	Y	
AZALEA VOLS (RFPD)	DOUGLAS	H	H	M	H	H	Y	
CALAPOOYA (RFPD)	DOUGLAS	H	H	M	L	H	Y	
CAMAS VALLEY VOL RFD (RFPD)	DOUGLAS	H	H	M	H	H	Y	
CANYONVILLE (CITY)	DOUGLAS	M	H	M	H	H	Y	
CANYONVILLE SOUTH UMPQUA FD (RFPD)	DOUGLAS	M	H	M	H	H	Y	
COW CREEK (RESERVATION)	DOUGLAS	H	H	M	H	H	Y	
DAYS CREEK RFD (RFPD)	DOUGLAS	H	H	M	H	H	Y	
DOUGLAS (COUNTY)	DOUGLAS	H	H	M	H	H	Y	
DOUGLAS CO FIRE DIST #2 (RFPD)	DOUGLAS	H	H	M	L	H	Y	
DOUGLAS CO FIRE DISTRICT #5 (RFPD)	DOUGLAS	H	H	M	H	H	Y	
DRAIN (CITY)	DOUGLAS	M	H	M	H	H	Y	
DRAIN RFPD (RFPD)	DOUGLAS	M	H	M	H	H	Y	
ELKTON (CITY)	DOUGLAS	M	M	M	H	M	Y	
ELKTON RFPD (RFPD)	DOUGLAS	M	M	M	H	M	Y	
FAIR OAKS RFPD (RFPD)	DOUGLAS	H	H	M	H	H	Y	
GARDINER RFPD (RFPD)	DOUGLAS	M	L	H	H	M	Y	
GLENDALE (CITY)	DOUGLAS	H	H	M	H	H	Y	
GLENDALE RFPD (RFPD)	DOUGLAS	H	H	M	H	H	Y	
GLIDE RFPD (RFPD)	DOUGLAS	M	H	M	H	H	Y	
KELLOGG RFD (RFPD)	DOUGLAS	M	H	M	H	M	Y	
LAKESIDE RFPD (RFPD)	DOUGLAS	H	L	M	H	M	Y	
LOOKINGGLASS RFD (RFPD)	DOUGLAS	H	H	M	H	H	Y	

Oregon Communities At Risk April 2006 version Community/Jurisdiction		County	Risk	Hazard	Protection	Value	Overall	Fed-Tribal Lands
MILO RFPD (RFPD)	DOUGLAS	M	H	M	H	H	Y	
MYRTLE CREEK (CITY)	DOUGLAS	H	H	M	H	H	Y	
MYRTLE CREEK FD (RFPD)	DOUGLAS	H	H	M	H	H	Y	
OAKLAND (CITY)	DOUGLAS	H	H	M	L	H	Y	
OAKLAND RFPD (RFPD)	DOUGLAS	H	H	M	L	H	Y	
REEDSPORT (CITY)	DOUGLAS	M	L	H	H	M	Y	
RICE HILL RFD (RFPD)	DOUGLAS	H	H	M	L	H	Y	
RIDDLE (CITY)	DOUGLAS	M	H	M	H	H	Y	
RIDDLE RFPD (RFPD)	DOUGLAS	M	H	M	H	H	Y	
ROSEBURG (CITY)	DOUGLAS	H	H	L	L	H	Y	
SCOTTSBURG RFD (RFPD)	DOUGLAS	L	M	M	H	M	Y	
SUTHERLIN (CITY)	DOUGLAS	H	H	M	L	H	Y	
TENMILE RFPD (RFPD)	DOUGLAS	H	H	M	H	H	Y	
TILLER RFPD (RFPD)	DOUGLAS	H	H	M	M	H	Y	
TRI CITY FIRE DIST #4 (DOUG) (RFPD)	DOUGLAS	H	H	M	H	H	Y	
WINCHESTER BAY RFPD (RFPD)	DOUGLAS	H	L	H	H	M	Y	
WINSTON (CITY)	DOUGLAS	H	H	M	L	H	Y	
YONCALLA (CITY)	DOUGLAS	H	H	M	H	H	Y	
YONCALLA RFPD (RFPD)	DOUGLAS	H	H	M	H	H	Y	
ARLINGTON (CITY)	GILLIAM	L	M	H	L	M	Y	
CONDON (CITY)	GILLIAM	L	M	L	L	M	Y	
GILLIAM (COUNTY)	GILLIAM	L	M	H	L	M	Y	
LONEROCK (CITY)	GILLIAM	L	H	M	L	M	Y	
NORTH GILLIAM CO RFPD (RFPD)	GILLIAM	L	M	H	L	M	Y	
SOUTH GILLIAM COUNTY (RFPD)	GILLIAM	L	H	L	L	M	Y	
CANYON CITY (CITY)	GRANT	H	H	M	L	H	Y	
DAYVILLE (CITY)	GRANT	M	H	M	L	M	Y	
GRANITE (CITY)	GRANT	H	H	M	M	H	Y	
GRANT (COUNTY)	GRANT	H	H	M	L	H	Y	
JOHN DAY (CITY)	GRANT	H	H	M	L	H	Y	
JOHN DAY FIRE DEPT (RFPD)	GRANT	H	H	M	L	H	Y	
LONG CREEK (CITY)	GRANT	H	H	M	L	H	Y	
MONUMENT (CITY)	GRANT	H	H	M	L	M	Y	
MT VERNON FD (RFPD)	GRANT	H	H	M	L	H	Y	
MT. VERNON (CITY)	GRANT	M	H	M	L	H	Y	
PRAIRIE CITY (CITY)	GRANT	L	H	M	L	H	Y	
PRAIRIE CITY FIRE DEPT (RFPD)	GRANT	L	H	M	L	H	Y	
SENECA (CITY)	GRANT	H	H	M	L	H	Y	
BURNS (CITY)	HARNEY	L	M	H	L	M	Y	
BURNS PAIUTE (RESERVATION)	HARNEY	L	M	H	L	M	Y	
HARNEY (COUNTY)	HARNEY	L	M	H	L	M	Y	
HINES (CITY)	HARNEY	L	M	H	L	M	Y	
CASCADE LOCKS (CITY)	HOOD RIVER	H	H	H	H	H	Y	
DEE RFPD (RFPD)	HOOD RIVER	H	H	M	H	H	Y	

Oregon Communities At Risk April 2006 version Community/Jurisdiction		County	Risk	Hazard	Protection	Value	Overall	Fed-Tribal Lands
HOOD RIVER (CITY)	HOOD RIVER	H	H	L	H	H	Y	
HOOD RIVER (COUNTY)	HOOD RIVER	H	H	M	H	H	Y	
ODELL RFPD (RFPD)	HOOD RIVER	H	H	L	H	H	Y	
PARKDALE RFPD (RFPD)	HOOD RIVER	H	H	M	H	H	Y	
PINE GROVE RFPD (RFPD)	HOOD RIVER	H	H	L	H	H	Y	
WEST SIDE RFPD (RFPD)	HOOD RIVER	H	H	L	H	H	Y	
APPLEGATE RFPD #9 (RFPD)	JACKSON	H	H	L	H	H	Y	
ASHLAND (CITY)	JACKSON	H	H	M	H	H	Y	
BUTTE FALLS (CITY)	JACKSON	H	H	M	H	H	Y	
CENTRAL POINT (CITY)	JACKSON	H	H	L	H	H	Y	
COLESTIN RFPD (RFPD)	JACKSON	H	H	M	H	H	Y	
EAGLE POINT (CITY)	JACKSON	H	H	L	H	H	Y	
EVANS VALLEY FIRE DIST #6 (RFPD)	JACKSON	H	H	M	H	H	Y	
GOLD HILL (CITY)	JACKSON	H	H	L	H	H	Y	
JACKSON (COUNTY)	JACKSON	H	H	M	H	H	Y	
JACKSON CO FD #3 (RFPD)	JACKSON	H	H	L	H	H	Y	
JACKSON CO RFPD #4 (RFPD)	JACKSON	H	H	M	H	H	Y	
JACKSON CO RFPD #5 (RFPD)	JACKSON	H	H	M	H	H	Y	
JACKSONVILLE (CITY)	JACKSON	H	H	L	H	H	Y	
LAKE CREEK RFPD #8 (RFPD)	JACKSON	H	H	M	H	H	Y	
MEDFORD (CITY)	JACKSON	H	H	L	H	H	Y	
MEDFORD F&R (RFPD)	JACKSON	H	H	L	H	H	Y	
PHOENIX (CITY)	JACKSON	H	H	L	H	H	Y	
PROSPECT RFPD (RFPD)	JACKSON	H	H	M	H	H	Y	
ROGUE RIVER (CITY)	JACKSON	H	H	L	H	H	Y	
ROGUE RIVER RFPD (RFPD)	JACKSON	H	H	L	H	H	Y	
SHADY COVE (CITY)	JACKSON	H	H	M	H	H	Y	
TALENT (CITY)	JACKSON	H	H	L	H	H	Y	
CAMP SHERMAN (RFPD)	JEFFERSON	H	H	L	L	H	Y	
CULVER (CITY)	JEFFERSON	H	M	L	L	M	Y	
JEFFERSON (COUNTY)	JEFFERSON	H	H	H	L	H	Y	
MADRAS (CITY)	JEFFERSON	H	M	L	L	M	Y	
METOLIUS (CITY)	JEFFERSON	H	M	L	L	M	Y	
NORTH UNIT (RFPD)	JEFFERSON	H	M	L	L	M	Y	
WARM SPRINGS (RESERVATION)	JEFFERSON	H	H	L	L	H	Y	
WARM SPRINGS FIRE SFTY (RFPD)	JEFFERSON	H	H	L	L	H	Y	
APPLEGATE RFPD #9 (RFPD)	JOSEPHINE	H	H	L	H	H	Y	
CAVE JUNCTION (CITY)	JOSEPHINE	H	H	L	H	H	Y	
GRANTS PASS (CITY)	JOSEPHINE	H	H	L	H	H	Y	
ILLINOIS VALLEY RFPD (RFPD)	JOSEPHINE	H	H	M	H	H	Y	
JOSEPHINE (COUNTY)	JOSEPHINE	H	H	M	H	H	Y	
OREGON CAVES NM (NPS)	JOSEPHINE	H	H	M	L	H	Y	
RURAL METRO FIRE DEPT (RFPD)	JOSEPHINE	H	H	L	H	H	Y	
WILLIAMS RFPD (RFPD)	JOSEPHINE	H	H	M	H	H	Y	

Oregon Communities At Risk April 2006 version Community/Jurisdiction		County	Risk	Hazard	Protection	Value	Overall	Fed-Tribal Lands
WOLF CREEK RFPD (RFPD)	JOSEPHINE	H	H	M	H	H	Y	
BLY RFPD (RFPD)	KLAMATH	H	H	M	L	H	Y	
BONANZA (CITY)	KLAMATH	L	M	L	L	M	Y	
BONANZA RFPD (RFPD)	KLAMATH	M	M	M	L	M	Y	
CHEMULT RFPD (RFPD)	KLAMATH	H	H	M	H	H	Y	
CHILOQUIN (CITY)	KLAMATH	H	H	M	H	H	Y	
CHILOQUIN-AGENCY LK RFPD (RFPD)	KLAMATH	H	H	M	H	H	Y	
CRATER LAKE NATIONAL PARK (NPS)	KLAMATH	H	H	M	L	M	Y	
CRESCENT RFPD (RFPD)	KLAMATH	H	H	M	H	H	Y	
HARRIMAN RFPD (RFPD)	KLAMATH	H	H	M	L	H	Y	
KENO RFPD (RFPD)	KLAMATH	H	H	M	L	H	Y	
KLAMATH (COUNTY)	KLAMATH	H	H	M	H	H	Y	
KLAMATH (RESERVATION)	KLAMATH	H	H	M	H	H	Y	
KLAMATH CO FD #3 (RFPD)	KLAMATH	H	H	M	L	H	Y	
KLAMATH CO FD #5 (RFPD)	KLAMATH	H	H	L	L	H	Y	
KLAMATH CO FIRE DIST #1 (RFPD)	KLAMATH	H	H	M	L	H	Y	
KLAMATH FALLS (CITY)	KLAMATH	H	H	L	L	H	Y	
MALIN (CITY)	KLAMATH	L	M	L	L	M	Y	
MALIN RFPD (RFPD)	KLAMATH	L	M	L	L	M	Y	
MERRILL (CITY)	KLAMATH	L	M	L	L	M	Y	
MERRILL RFPD (RFPD)	KLAMATH	L	M	L	L	M	Y	
LAKE (COUNTY)	LAKE	L	H	H	L	H	Y	
LAKEVIEW (CITY)	LAKE	L	H	L	L	H	Y	
LAKEVIEW FIRE DEPT (RFPD)	LAKE	L	H	L	L	H	Y	
NEW PINE CREEK RFPD (RFPD)	LAKE	L	H	M	L	H	Y	
PAISLEY (CITY)	LAKE	L	H	H	L	H	Y	
SILVER LAKE RFPD (RFPD)	LAKE	L	M	M	L	M	Y	
THOMAS CREEK/WESTSIDE RFPD (RFPD)	LAKE	L	H	L	L	H	Y	
BAILEY-SPENCER RFPD (RFPD)	LANE	H	M	L	H	M	Y	
BLUE RIVER WD (RFPD)	LANE	H	H	M	H	H	Y	
COBURG (CITY)	LANE	L	L	L	H	L	Y	
COBURG RFPD (RFPD)	LANE	L	L	L	H	L	Y	
COTTAGE GROVE (CITY)	LANE	M	M	L	H	M	Y	
CRESWELL (CITY)	LANE	L	M	L	H	M	Y	
DEXTER RFPD (RFPD)	LANE	H	M	M	H	M	Y	
DUNES CITY (CITY)	LANE	H	L	L	H	M	Y	
EUGENE #1 RFPD (RFPD)	LANE	H	M	L	H	M	Y	
EUGENE (CITY)	LANE	H	L	L	H	M	Y	
FLORENCE (CITY)	LANE	H	L	L	H	M	Y	
GLENWOOD WD (RFPD)	LANE	H	L	L	H	M	Y	
GOSHEN RFPD (RFPD)	LANE	H	L	L	H	M	Y	
HAZELDELL RURAL FIRE DISTRICT (RFPD)	LANE	H	H	M	H	H	Y	

Oregon Communities At Risk April 2006 version Community/Jurisdiction		County	Risk	Hazard	Protection	Value	Overall	Fed-Tribal Lands
JUNCTION CITY (CITY)	LANE	L	L	L	L	L	N	
JUNCTION CITY RFPD (RFPD)	LANE	L	L	L	L	L	Y	
LAKE CREEK RFPD (RFPD)	LANE	M	M	M	H	M	Y	
LANE (COUNTY)	LANE	H	M	M	H	M	Y	
LANE COUNTY FD #1 (RFPD)	LANE	H	M	L	H	M	Y	
LANE RURAL FIRE/RESCUE (RFPD)	LANE	H	L	L	H	M	Y	
LORANE RFPD (RFPD)	LANE	H	H	M	H	M	Y	
LOWELL (CITY)	LANE	H	M	M	H	M	Y	
LOWELL RFPD (RFPD)	LANE	H	H	M	H	M	Y	
MAPLETON FD (RFPD)	LANE	M	L	M	H	M	Y	
MCKENZIE FIRE & RESCUE (RFPD)	LANE	H	H	M	H	M	Y	
MOHAWK VALLEY FD (RFPD)	LANE	H	M	M	H	M	Y	
MONROE RFPD (RFPD)	LANE	L	L	L	L	L	Y	
OAKRIDGE (CITY)	LANE	H	H	M	H	H	Y	
PLEASANT HILL RFPD (RFPD)	LANE	H	M	L	H	M	Y	
RAINBOW WD (RFPD)	LANE	H	L	L	H	M	Y	
RIVER ROAD WD (RFPD)	LANE	H	L	L	H	M	Y	
SANTA CLARA RFPD (RFPD)	LANE	L	L	L	H	L	Y	
SIUSLAW RFPD #1 (RFPD)	LANE	H	L	M	H	M	Y	
SOUTH LANE CNTY FIRE & RESCUE (RFPD)	LANE	H	M	L	H	M	Y	
SPRINGFIELD (CITY)	LANE	H	M	L	H	M	Y	
SWISSHOME-DEADWOOD RFPD (RFPD)	LANE	M	M	L	H	M	Y	
UPPER MCKENZIE RFPD (RFPD)	LANE	H	H	M	H	H	Y	
VENETA (CITY)	LANE	H	M	L	H	M	Y	
WILLAKENZIE/EUGENE RFPD (RFPD)	LANE	H	L	L	H	M	Y	
WILLAKENZIE/SPINGFIELD RFPD (RFPD)	LANE	H	L	L	H	M	Y	
ZUMWALT RFPD (RFPD)	LANE	H	L	L	H	M	Y	
CENTRAL OREGON COAST F&R (RFPD)	LINCOLN	M	M	M	H	M	Y	
DEPOE BAY (CITY)	LINCOLN	M	L	M	H	M	Y	
DEPOE BAY RFPD (RFPD)	LINCOLN	H	L	M	H	M	Y	
LINCOLN (COUNTY)	LINCOLN	M	M	M	H	M	Y	
LINCOLN CITY (CITY)	LINCOLN	H	L	L	H	M	Y	
NEWPORT (CITY)	LINCOLN	M	L	H	H	M	Y	
NEWPORT FIRE DEPT (RFPD)	LINCOLN	M	L	H	H	M	Y	
NORTH LINCOLN F&R DIST #1 (RFPD)	LINCOLN	L	L	M	H	M	Y	
SEAL ROCK RFPD (RFPD)	LINCOLN	M	L	H	H	M	Y	
SILETZ (CITY)	LINCOLN	H	L	M	H	M	Y	
SILETZ (RESERVATION)	LINCOLN	H	L	M	H	M	Y	
SILETZ RFPD (RFPD)	LINCOLN	M	M	M	H	M	Y	
TOLEDO (CITY)	LINCOLN	M	L	L	H	M	Y	
TOLEDO FD (RFPD)	LINCOLN	M	L	M	H	M	Y	
WALDPORT (CITY)	LINCOLN	M	L	H	H	M	Y	

Oregon Communities At Risk April 2006 version Community/Jurisdiction		County	Risk	Hazard	Protection	Value	Overall	Fed-Tribal Lands
YACHATS (CITY)	LINCOLN	L	L	M	L	M	Y	
YACHATS RFPD (RFPD)	LINCOLN	M	L	M	H	M	Y	
ALBANY (CITY)	LINN	L	L	L	L	L	Y	
ALBANY FIRE DEPT (RFPD)	LINN	L	L	L	L	L	Y	
BROWNSVILLE (CITY)	LINN	L	L	L	L	L	Y	
BROWNSVILLE RFD (RFPD)	LINN	H	L	L	L	M	Y	
CORVALLIS FIRE DEPT (RFPD)	LINN	H	L	L	H	M	Y	
GATES (CITY)	LINN	H	M	M	H	M	Y	
GATES RFPD (RFPD)	LINN	H	M	M	H	M	Y	
HALSEY (CITY)	LINN	L	L	L	L	L	Y	
HALSEY-SHEDD RFPD (RFPD)	LINN	L	L	L	L	L	Y	
HARRISBURG (CITY)	LINN	L	L	L	L	L	N	
HARRISBURG F&R (RFPD)	LINN	L	L	L	L	L	Y	
IDANHA (CITY)	LINN	H	M	M	M	M	Y	
IDANHA-DETROIT RFPD (RFPD)	LINN	H	H	M	H	M	Y	
JEFFERSON RFPD (RFPD)	LINN	L	L	L	L	L	Y	
LEBANON (CITY)	LINN	L	L	L	L	L	Y	
LEBANON FD (RFPD)	LINN	H	L	L	H	M	Y	
LINN (COUNTY)	LINN	H	M	M	H	M	Y	
LYONS (CITY)	LINN	H	M	L	H	M	Y	
LYONS RFPD (RFPD)	LINN	H	M	L	H	M	Y	
MILL CITY (CITY)	LINN	H	M	M	H	M	Y	
MILLERSBURG (CITY)	LINN	L	L	L	L	L	Y	
SCIO (CITY)	LINN	H	L	L	L	L	Y	
SCIO RFPD (RFPD)	LINN	H	L	L	L	L	Y	
SODAVILLE (CITY)	LINN	H	M	L	H	M	Y	
STAYTON FIRE DEPT (RFPD)	LINN	H	M	L	H	M	Y	
SWEET HOME (CITY)	LINN	H	M	M	H	M	Y	
SWEET HOME FIRE & AMB DIST (RFPD)	LINN	H	M	M	H	M	Y	
TANGENT (CITY)	LINN	L	L	L	L	L	Y	
TANGENT RFPD (RFPD)	LINN	L	L	L	L	L	Y	
WATERLOO (CITY)	LINN	H	M	L	H	M	Y	
ADRIAN (CITY)	MALHEUR	L	M	L	L	M	Y	
ADRIAN RFPD (RFPD)	MALHEUR	L	M	L	L	M	Y	
JORDAN VALLEY (CITY)	MALHEUR	L	M	H	L	M	Y	
MALHEUR (COUNTY)	MALHEUR	L	M	H	L	M	Y	
NYSSA (CITY)	MALHEUR	L	M	L	L	M	Y	
NYSSA FD (RFPD)	MALHEUR	L	M	L	L	M	Y	
ONTARIO (CITY)	MALHEUR	L	M	L	L	M	Y	
ONTARIO RFPD (RFPD)	MALHEUR	L	M	L	L	M	Y	
VALE (CITY)	MALHEUR	L	M	H	L	H	Y	
WEISER RFPD ANNEX-OREGON (RFPD)	MALHEUR	L	M	H	L	M	Y	
AUMSVILLE (CITY)	MARION	L	L	L	H	L	Y	

Oregon Communities At Risk April 2006 version Community/Jurisdiction		County	Risk	Hazard	Protection	Value	Overall	Fed-Tribal Lands
AUMSVILLE RFPD (RFPD)	MARION	L	L	L	H	L	Y	
AURORA (CITY)	MARION	L	L	L	H	L	Y	
AURORA RFPD (RFPD)	MARION	L	L	L	H	L	Y	
DETROIT (CITY)	MARION	H	H	M	H	H	Y	
DONALD (CITY)	MARION	L	L	L	H	L	Y	
DRAKES CROSSING RFPD (RFPD)	MARION	H	M	L	H	M	Y	
GATES (CITY)	MARION	H	M	M	H	M	Y	
GATES RFPD (RFPD)	MARION	H	M	M	H	M	Y	
GERVAIS (CITY)	MARION	L	L	L	L	L	Y	
HUBBARD (CITY)	MARION	L	L	L	H	L	Y	
HUBBARD RFPD (RFPD)	MARION	L	L	L	H	L	Y	
IDANHA (CITY)	MARION	H	M	M	M	M	Y	
IDANHA-DETROIT RFPD (RFPD)	MARION	H	H	M	H	M	Y	
JEFFERSON (CITY)	MARION	L	L	L	L	L	Y	
JEFFERSON RFPD (RFPD)	MARION	L	L	L	L	L	Y	
KEIZER (CITY)	MARION	H	L	L	H	L	Y	
KEIZER FIRE DIST (RFPD)	MARION	L	L	L	H	L	Y	
LYONS RFPD (RFPD)	MARION	H	M	L	H	M	Y	
MARION (COUNTY)	MARION	H	L	L	H	M	Y	
MARION CO RFPD #1 (RFPD)	MARION	L	L	L	H	L	Y	
MILL CITY (CITY)	MARION	H	M	M	H	M	Y	
MT ANGEL FIRE DEPT (RFPD)	MARION	L	L	L	L	L	Y	
MT. ANGEL (CITY)	MARION	L	L	L	L	L	N	
POLK COUNTY FIRE DIST #1 (RFPD)	MARION	L	L	L	L	L	Y	
SALEM (CITY)	MARION	H	L	L	H	L	Y	
SALEM FD (RFPD)	MARION	L	L	L	H	L	Y	
SCIO RFPD (RFPD)	MARION	H	L	L	L	L	Y	
SCOTTS MILLS (CITY)	MARION	M	L	L	H	M	Y	
SILVERTON (CITY)	MARION	H	L	L	L	L	N	
SILVERTON RFPD (RFPD)	MARION	H	L	L	H	L	Y	
ST PAUL RFPD (RFPD)	MARION	L	L	L	L	L	Y	
ST. PAUL (CITY)	MARION	L	L	L	L	L	Y	
STAYTON (CITY)	MARION	L	L	L	L	L	Y	
STAYTON FIRE DEPT (RFPD)	MARION	H	M	L	H	M	Y	
SUBLIMITY (CITY)	MARION	H	L	L	L	L	Y	
SUBLIMITY RFPD (RFPD)	MARION	H	L	L	L	L	Y	
TURNER (CITY)	MARION	L	L	L	H	L	N	
TURNER FIRE DEPT (RFPD)	MARION	L	L	L	H	L	Y	
WOODBURN (CITY)	MARION	L	L	L	H	L	Y	
WOODBURN FIRE DIST (RFPD)	MARION	L	L	L	L	L	Y	
BOARDMAN (CITY)	MORROW	L	M	L	L	M	Y	
BOARDMAN RFPD (RFPD)	MORROW	L	M	H	L	M	Y	
HEPPNER (CITY)	MORROW	L	H	L	L	M	N	
HEPPNER FD (RFPD)	MORROW	L	H	L	L	M	N	

Oregon Communities At Risk April 2006 version Community/Jurisdiction		County	Risk	Hazard	Protection	Value	Overall	Fed-Tribal Lands
IONE (CITY)	MORROW	L	M	L	L	M	N	
IONE FD (RFPD)	MORROW	L	M	L	L	M	Y	
IRRIGON (CITY)	MORROW	L	L	H	L	L	Y	
IRRIGON RFPD (RFPD)	MORROW	L	L	H	L	L	Y	
LEXINGTON (CITY)	MORROW	L	M	H	L	M	N	
MORROW (COUNTY)	MORROW	L	M	H	L	M	Y	
FAIRVIEW (CITY)	MULTNOMAH	H	L	L	H	M	Y	
GRESHAM (CITY)	MULTNOMAH	H	L	L	H	M	Y	
LAKE OSWEGO (CITY)	MULTNOMAH	H	M	L	H	M	Y	
MAYWOOD PARK (CITY)	MULTNOMAH	L	L	L	H	L	N	
MULTNOMAH #10 (RFPD)	MULTNOMAH	H	M	L	H	M	Y	
MULTNOMAH (COUNTY)	MULTNOMAH	H	M	L	H	M	Y	
MULTNOMAH CO RFPD #14 (RFPD)	MULTNOMAH	H	H	L	H	M	Y	
PORTLAND (CITY)	MULTNOMAH	H	L	L	H	M	Y	
RIVERDALE (RFPD)	MULTNOMAH	H	L	L	H	M	Y	
SAUVIE ISLAND VOL FD (RFPD)	MULTNOMAH	H	M	L	L	M	Y	
SCAPPOOSE RFPD (RFPD)	MULTNOMAH	H	M	L	H	M	Y	
TROUTDALE (CITY)	MULTNOMAH	H	L	L	H	M	Y	
TUALATIN VALLEY F&R (RFPD)	MULTNOMAH	H	L	L	H	M	Y	
WOOD VILLAGE (CITY)	MULTNOMAH	H	L	L	H	M	Y	
AMITY FIRE DIST (RFPD)	POLK	L	L	L	L	L	Y	
DALLAS (CITY)	POLK	H	L	L	H	L	Y	
DAYTON FIRE DIST (RFPD)	POLK	L	L	L	L	L	Y	
FALLS CITY (CITY)	POLK	M	M	M	H	M	Y	
GRAND RONDE (RESERVATION)	POLK	M	M	M	H	M	Y	
HOSKINS-KINGS VLY RFPD (RFPD)	POLK	M	M	L	H	M	Y	
INDEPENDENCE (CITY)	POLK	L	L	L	L	L	Y	
MONMOUTH (CITY)	POLK	L	L	L	L	L	Y	
POLK (COUNTY)	POLK	H	M	L	H	M	Y	
POLK COUNTY FIRE DIST #1 (RFPD)	POLK	L	L	L	L	L	Y	
SALEM (CITY)	POLK	H	L	L	H	L	Y	
SALEM FD (RFPD)	POLK	L	L	L	H	L	Y	
SHERIDAN FD (RFPD)	POLK	H	M	L	L	M	Y	
SPRING VALLEY RFPD (RFPD)	POLK	L	L	L	H	L	Y	
SW POLK CO RFPD (RFPD)	POLK	H	L	L	H	L	Y	
WILLAMINA (CITY)	POLK	H	M	L	H	M	Y	
WILLAMINA FIRE DIST (RFPD)	POLK	M	M	M	H	M	Y	
GRASS VALLEY (CITY)	SHERMAN	L	M	L	L	M	N	
MORO (CITY)	SHERMAN	L	M	L	L	M	N	
MORO FIRE DEPT, CITY OF (RFPD)	SHERMAN	L	M	L	L	M	N	
NORTH SHERMAN CO RFPD (RFPD)	SHERMAN	L	M	L	L	M	Y	
RUFUS (CITY)	SHERMAN	L	M	L	L	M	Y	
SOUTH SHERMAN FPD (RFPD)	SHERMAN	L	M	L	L	M	N	
WASCO (CITY)	SHERMAN	L	M	L	L	M	N	

Oregon Communities At Risk April 2006 version Community/Jurisdiction		County	Risk	Hazard	Protection	Value	Overall	Fed-Tribal Lands
BAY CITY (CITY)	TILLAMOOK	H	L	M	H	M	Y	
GARIBALDI (CITY)	TILLAMOOK	H	L	M	H	M	Y	
GARIBALDI FD (RFPD)	TILLAMOOK	H	L	M	H	M	Y	
MANZANITA (CITY)	TILLAMOOK	H	L	H	H	M	Y	
MANZANITA DEPT OF PUB SFTY (RFPD)	TILLAMOOK	H	L	M	H	M	Y	
NEHALEM (CITY)	TILLAMOOK	H	L	M	H	M	Y	
NEHALEM VOL FIRE DEPT (RFPD)	TILLAMOOK	H	L	M	H	M	Y	
NESTUCCA RFPD (RFPD)	TILLAMOOK	M	L	M	H	M	Y	
NETARTS-OCEANSIDE RFPD (RFPD)	TILLAMOOK	H	L	M	H	M	Y	
OCEANSIDE (RFPD)	TILLAMOOK	H	L	M	H	M	Y	
ROCKAWAY BEACH (CITY)	TILLAMOOK	H	L	H	H	M	Y	
ROCKAWAY FD (RFPD)	TILLAMOOK	H	L	M	H	M	Y	
TILLAMOOK (CITY)	TILLAMOOK	H	L	L	H	M	Y	
TILLAMOOK (COUNTY)	TILLAMOOK	H	L	M	H	M	Y	
TILLAMOOK FIRE DIST (RFPD)	TILLAMOOK	H	L	M	H	M	Y	
WHEELER (CITY)	TILLAMOOK	H	L	H	H	M	Y	
ADAMS (CITY)	UMATILLA	L	M	L	L	M	Y	
ATHENA (CITY)	UMATILLA	L	M	L	L	M	Y	
EAST UMATILLA CO RFPD (RFPD)	UMATILLA	L	H	L	L	H	Y	
ECHO (CITY)	UMATILLA	L	L	L	L	L	Y	
ECHO RFPD (RFPD)	UMATILLA	L	M	L	L	M	Y	
HELIX (CITY)	UMATILLA	L	M	L	L	M	N	
HELIX RFPD (RFPD)	UMATILLA	L	M	L	L	M	Y	
HERMISTON (CITY)	UMATILLA	H	L	L	L	M	Y	
HERMISTON FIRE & EMERG SERV (RFPD)	UMATILLA	L	L	L	L	M	Y	
LOWER MCKAY (RFPD)	UMATILLA	H	M	H	L	M	Y	
MCKAY (RFPD)	UMATILLA	L	M	H	L	M	Y	
MILTON-FREEWATER (CITY)	UMATILLA	L	L	H	L	M	N	
PENDLETON (CITY)	UMATILLA	H	M	H	L	M	Y	
PILOT ROCK (CITY)	UMATILLA	L	M	L	L	M	Y	
PILOT ROCK RFPD (RFPD)	UMATILLA	L	H	H	L	M	Y	
RIVERSIDE (RFPD)	UMATILLA	L	M	H	L	M	Y	
STANFIELD (CITY)	UMATILLA	L	L	L	L	L	Y	
STANFIELD RFPD (RFPD)	UMATILLA	L	L	L	L	L	Y	
UKIAH (CITY)	UMATILLA	M	H	M	M	H	Y	
UMATILLA (CITY)	UMATILLA	L	L	L	L	M	Y	
UMATILLA (COUNTY)	UMATILLA	L	H	H	L	H	Y	
UMATILLA (RESERVATION)	UMATILLA	H	H	H	L	H	Y	
UMATILLA RFPD (RFPD)	UMATILLA	L	L	L	L	M	Y	
WESTON (CITY)	UMATILLA	L	M	L	L	M	Y	
COVE (CITY)	UNION	L	H	H	L	H	Y	
COVE RFPD (RFPD)	UNION	L	H	H	L	H	Y	

Oregon Communities At Risk April 2006 version Community/Jurisdiction		County	Risk	Hazard	Protection	Value	Overall	Fed-Tribal Lands
ELGIN (CITY)	UNION	L	H	L	L	H	Y	
ELGIN VOL FIRE DEPT (RFPD)	UNION	M	H	L	L	H	Y	
HAINES FIRE PROTECTION DIST. (RFPD)	UNION	L	H	L	L	H	Y	
IMBLER (CITY)	UNION	L	L	L	L	L	Y	
IMBLER RFPD (RFPD)	UNION	H	H	L	L	H	Y	
ISLAND CITY (CITY)	UNION	H	L	L	L	L	Y	
LA GRANDE (CITY)	UNION	H	H	L	H	H	Y	
LA GRANDE RFPD (RFPD)	UNION	L	L	L	L	L	Y	
NORTH POWDER (CITY)	UNION	L	M	L	L	M	Y	
NORTH POWDER FIRE DEPT (RFPD)	UNION	L	M	L	L	M	Y	
SUMMERVILLE (CITY)	UNION	H	L	L	L	L	Y	
UNION (CITY)	UNION	L	M	L	L	M	Y	
UNION (COUNTY)	UNION	H	H	H	H	H	Y	
UNION EMERGENCY SERVICES (RFPD)	UNION	L	M	L	L	M	Y	
ENTERPRISE (CITY)	WALLOWA	L	H	M	L	H	Y	
JOSEPH (CITY)	WALLOWA	L	L	M	L	L	Y	
LOSTINE (CITY)	WALLOWA	M	H	M	L	H	Y	
WALLOWA (CITY)	WALLOWA	L	H	M	L	H	Y	
WALLOWA (COUNTY)	WALLOWA	M	H	M	L	H	Y	
WALLOWA FD (RFPD)	WALLOWA	L	H	M	L	H	Y	
ANTELOPE (CITY)	WASCO	L	H	H	L	M	Y	
DUFUR (CITY)	WASCO	L	M	H	L	M	Y	
JUNIPER FLATS RFPD (RFPD)	WASCO	H	H	L	L	H	Y	
MAUPIN (CITY)	WASCO	M	H	H	L	M	Y	
MID-COLUMBIA F&R (RFPD)	WASCO	H	H	L	L	H	Y	
MOSIER (CITY)	WASCO	H	H	L	H	H	Y	
MOSIER FD (RFPD)	WASCO	H	H	L	H	H	Y	
PINE GROVE RFPD (RFPD)	WASCO	H	H	L	H	H	Y	
PINE HOLLOW VOL (RFPD)	WASCO	H	H	M	L	H	Y	
SHANIKO (CITY)	WASCO	L	H	H	L	M	Y	
THE DALLES (CITY)	WASCO	H	H	L	L	M	Y	
TYGH VALLEY VOL FD (RFPD)	WASCO	L	H	H	L	M	Y	
WAMIC (RFPD)	WASCO	H	H	M	L	H	Y	
WARM SPRINGS (RESERVATION)	WASCO	H	H	L	L	H	Y	
WASCO (COUNTY)	WASCO	H	H	H	L	H	Y	
BANKS (CITY)	WASHINGTON	L	L	L	H	L	Y	
BANKS FIRE DISTRICT #13 (RFPD)	WASHINGTON	H	M	L	H	M	Y	
BEAVERTON (CITY)	WASHINGTON	H	L	L	H	M	N	
CORNELIUS (CITY)	WASHINGTON	L	L	L	H	L	N	
CORNELIUS FIRE DEPT (RFPD)	WASHINGTON	L	L	L	H	L	Y	
DURHAM (CITY)	WASHINGTON	H	L	L	H	M	N	
FOREST GROVE (CITY)	WASHINGTON	L	L	L	H	L	Y	
FOREST GROVE F&R (RFPD)	WASHINGTON	L	M	L	H	M	Y	

Oregon Communities At Risk April 2006 version Community/Jurisdiction		County	Risk	Hazard	Protection	Value	Overall	Fed-Tribal Lands
GASTON (CITY)	WASHINGTON	H	L	L	H	L	Y	
GASTON RFPD (RFPD)	WASHINGTON	H	M	L	H	M	Y	
HILLSBORO (CITY)	WASHINGTON	L	L	L	H	L	Y	
KING CITY (CITY)	WASHINGTON	H	L	L	H	M	N	
NORTH PLAINS (CITY)	WASHINGTON	L	L	L	H	L	Y	
PORTLAND (CITY)	WASHINGTON	H	L	L	H	M	Y	
SHERWOOD (CITY)	WASHINGTON	H	L	L	H	M	Y	
TIGARD (CITY)	WASHINGTON	H	L	L	H	M	N	
TUALATIN (CITY)	WASHINGTON	H	L	L	H	M	Y	
TUALATIN VALLEY F&R (RFPD)	WASHINGTON	H	L	L	H	M	Y	
WASHINGTON (COUNTY)	WASHINGTON	H	M	L	H	M	Y	
WASHINGTON CO FD #2 (RFPD)	WASHINGTON	L	L	L	H	L	Y	
WILSONVILLE (CITY)	WASHINGTON	H	L	L	H	M	Y	
FOSSIL (CITY)	WHEELER	L	H	H	L	M	N	
FOSSIL VOL FD (RFPD)	WHEELER	M	H	H	L	H	N	
MITCHELL (CITY)	WHEELER	L	H	H	L	H	Y	
SPRAY (CITY)	WHEELER	L	H	H	L	M	Y	
WHEELER (COUNTY)	WHEELER	H	H	H	L	M	Y	
WHEELER POINT VOL FIRE ASSOC (RFPD)	WHEELER	H	H	H	L	H	Y	
AMITY (CITY)	YAMHILL	L	L	L	L	L	N	
AMITY FIRE DIST (RFPD)	YAMHILL	L	L	L	L	L	Y	
CARLTON (CITY)	YAMHILL	L	L	L	L	L	N	
CARLTON FIRE DEPT (RFPD)	YAMHILL	L	L	L	H	L	Y	
DAYTON (CITY)	YAMHILL	L	L	L	L	L	N	
DAYTON FIRE DIST (RFPD)	YAMHILL	L	L	L	L	L	Y	
DUNDEE (CITY)	YAMHILL	L	L	L	H	L	Y	
DUNDEE FIRE DEPT (RFPD)	YAMHILL	L	L	L	H	L	Y	
GASTON RFPD (RFPD)	YAMHILL	H	M	L	H	M	Y	
LAFAYETTE (CITY)	YAMHILL	L	L	L	L	L	N	
MCMINNVILLE (CITY)	YAMHILL	L	L	L	L	L	Y	
MCMINNVILLE FIRE DEPT (RFPD)	YAMHILL	L	L	L	L	L	Y	
NEWBERG (CITY)	YAMHILL	L	L	L	H	L	Y	
NEWBERG FD (RFPD)	YAMHILL	L	L	L	H	L	Y	
SHERIDAN (CITY)	YAMHILL	H	L	L	L	L	Y	
SHERIDAN FD (RFPD)	YAMHILL	H	M	L	L	M	Y	
WILLAMINA (CITY)	YAMHILL	H	M	L	H	M	Y	
WILLAMINA FIRE DIST (RFPD)	YAMHILL	M	M	M	H	M	Y	
YAMHILL (CITY)	YAMHILL	L	L	L	L	L	Y	
YAMHILL (COUNTY)	YAMHILL	M	M	L	H	M	Y	
YAMHILL FPD (RFPD)	YAMHILL	H	M	L	H	M	Y	

Risk Assessment Process

Community At Risk Identification

Community At Risk: A community at risk is a geographic area within and surrounding permanent dwellings with basic infrastructure and services, under a common fire protection jurisdiction, government, or tribal trust or allotment, for which there is a significant threat due to wildfire.

Identifying *Communities At Risk* involved three steps:

1. Determine where permanent dwellings with basic infrastructure and services exist at the density required by federal legislation,
2. Assign a community name for these populated areas based upon a common fire protection jurisdiction, government, or tribal trust or allotment, then
3. Identify the geographic area surrounding these populated jurisdictions that are to be considered part of the community.

Determining population density

The Oregon assessment identified population/dwelling density within the following five classifications known as WUI Codes. This is the source data for determining areas that meet the density requirements to be considered a *community* (WUI Code 2-4) and for deriving the life value factor.

Population Per Sq Mile	Dwellings Per 40ac	WUI Code	Comment
0	0	0	Unpopulated
0-27	0-.9	1	Scattered: Does not meet NFP/HFRA density criteria
28-111	1-3.9	2	Rural: Meets NFP/HFRA density criteria, not SB360
112 -560	4 -19.9	3	Suburban: Meets both NFP/HFRA and SB360 density criteria
560 - 3731	20-99	4	Urban: Meets both NFP/HFRA and SB360 density criteria
3732+	100+	5	Likely to densely populated to allow flammable natural vegetation

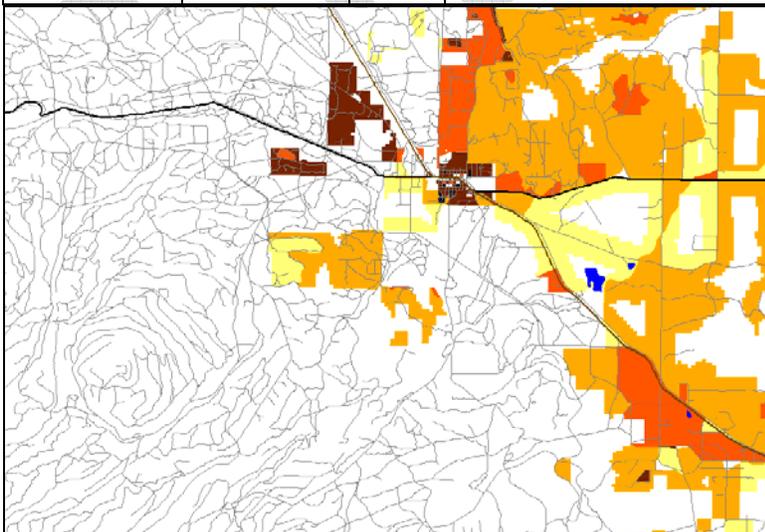


Figure 3. Density of homes/population (WUI Code)

Determining community name

A community name was assigned to geographic areas meeting the density and infrastructure requirements to be considered a *Community At Risk* (WUI Code 2-4). Areas that lack the population density or infrastructure, i.e. remote lodge, research facility, or guard station with no power or phone, were not considered a community.

The statewide process for determining a name for these areas was solely based upon jurisdiction – city, federally recognized Tribal reservation, national park, and county (where none of the previous jurisdictions exist). Figure 2 below shows how a jurisdictional name is assigned to populated areas. Areas that fall within unprotected areas are assigned a single name based upon the county (shown in green in Figure 2).

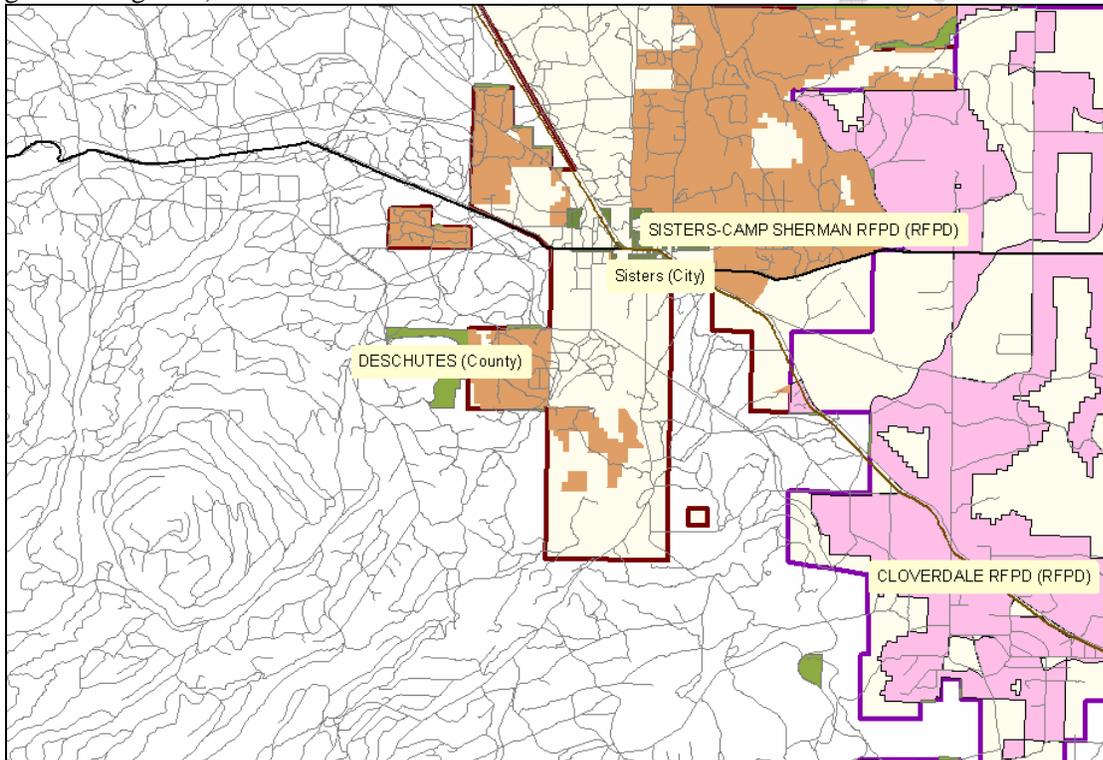


Figure 4. Jurisdiction name for populated areas

In many cases, the jurisdictional name used in the *Communities At Risk* assessment, i.e. Jackson County Fire District #3, will not align with signed CWPP's or common names used by local government.

Community Boundaries

A *Community At Risk* includes the geographic area within and surrounding the populated areas - adjacent landscapes that contain vegetation creating a risk to the community, generally a sixth field watershed, and municipal watersheds. It is based upon a “fire shed” concept, including the area surrounding the community where economic, social, cultural, and visual values important to the community exist, and where strategic fuel reduction planning needs to occur to protect the community from large catastrophic wildfires. The statewide process identified areas within two km of populated jurisdictions, as well as the adjacent sixth field watershed(s), not exceeding 8 km. **NOTE: This is a significant change from the 2001 Community At Risk (CAR) map for Oregon, which primarily identified populated areas.**

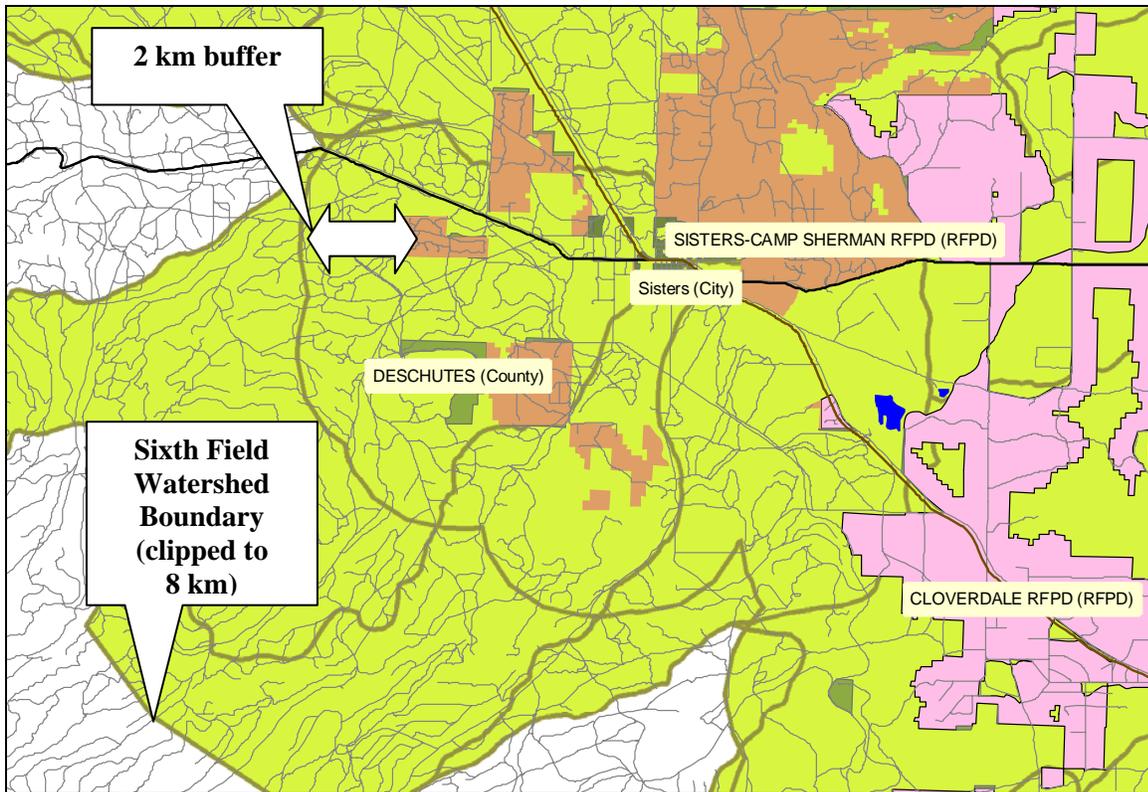


Figure 5. Community boundary established by 2 km buffer and sixth field watershed not exceeding 8 km

This Community Boundary will be used to establish a WUI for the HFRA in the absence of a signed CWPP. It can be also considered a starting point for communities to determine a WUI boundary for a local CWPP. The state process is consistent, but it also lacks local knowledge of prevailing historic fire spread. Fuel characteristics, prevailing winds, historic burn patterns, and areas where strategic fuel break opportunities exist need to be considered when establishing a community's WUI boundary.

Risk: The likelihood of a fire occurring?

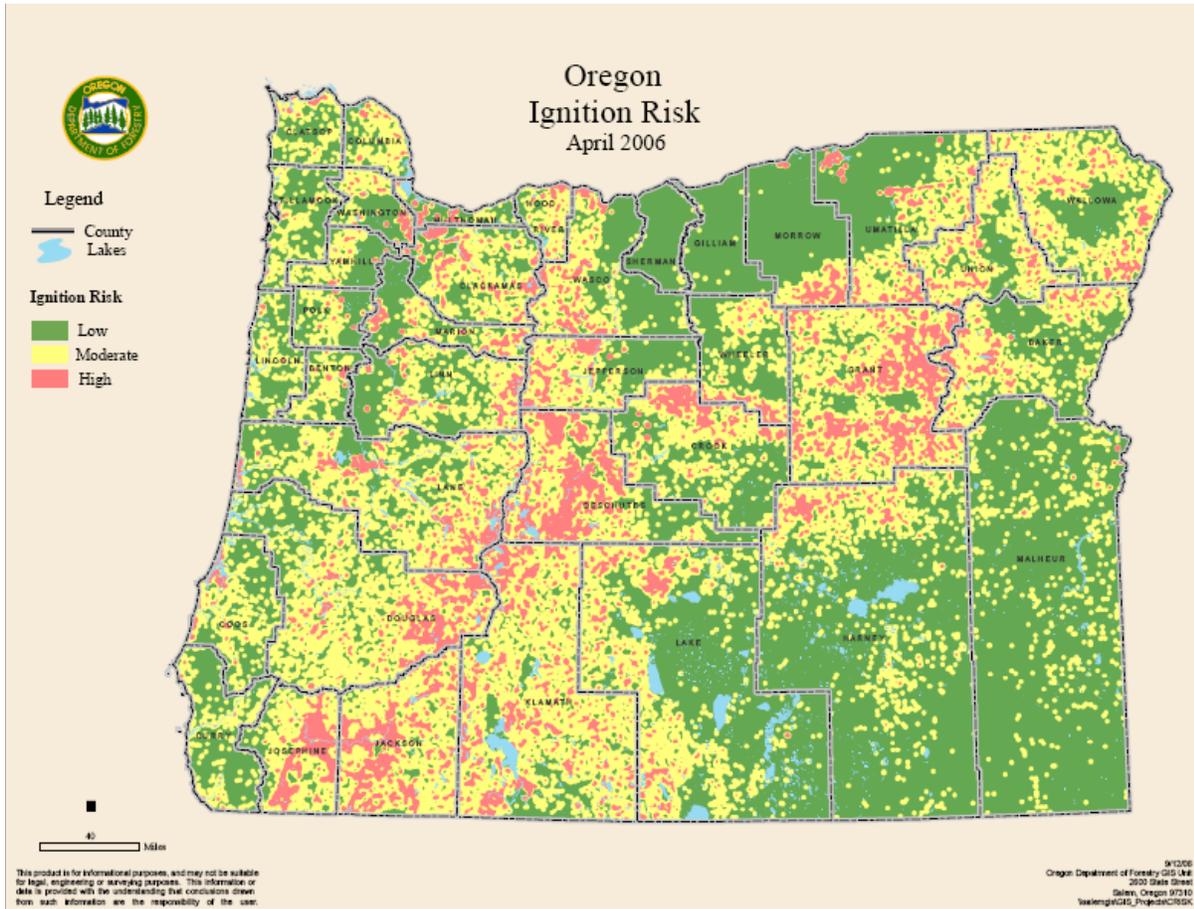


Figure 6. Risk

Historic fire locations from ODF, federal, and fire districts (OSFM) were used to generate Risk Rating layer.

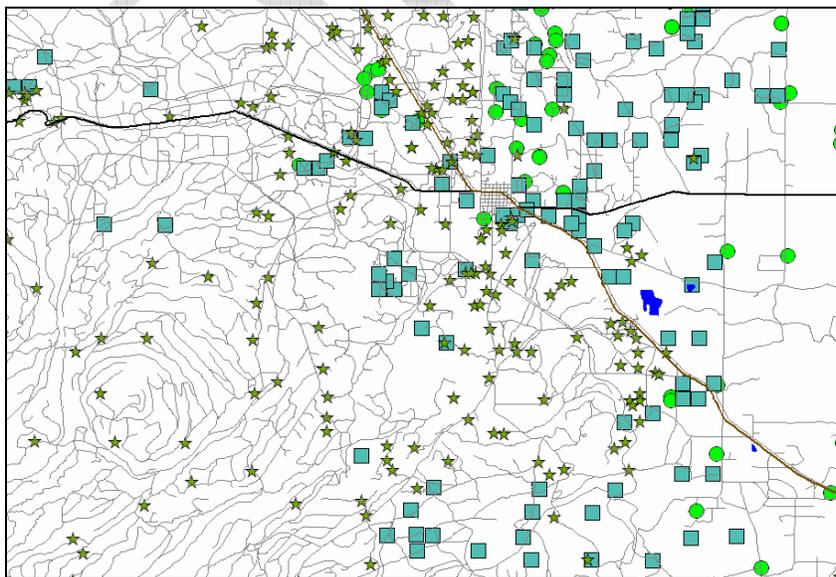


Figure 7. Fire occurrence for federal (stars), ODF (squares), and OSFM (fire district - circle)

The density of fire starts per 1000 acres per 10 years was then determined. This layer is used to indicate a *low*, *moderate*, or *high* likelihood of a fire occurring, based upon historic fire occurrence.

Historic fire occurrence Fire occurrence – per 1000 acres per 10 years	Rating
(Low) 0-.1	1
(Moderate) 0.1-1.1	2
(High) 1.1+	3

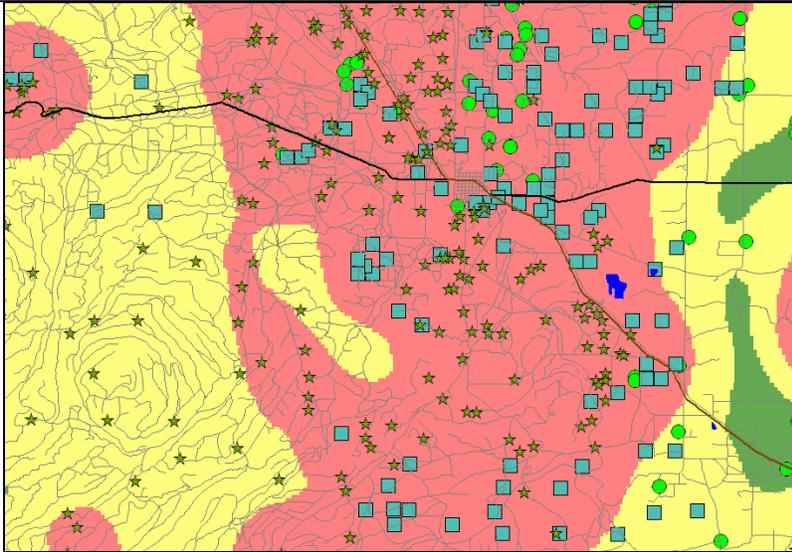


Figure 8. Risk determined by fire occurrence

Hazard: Resistance to control once a wildfire starts, being the weather, topography and fuel that adversely affects suppression efforts

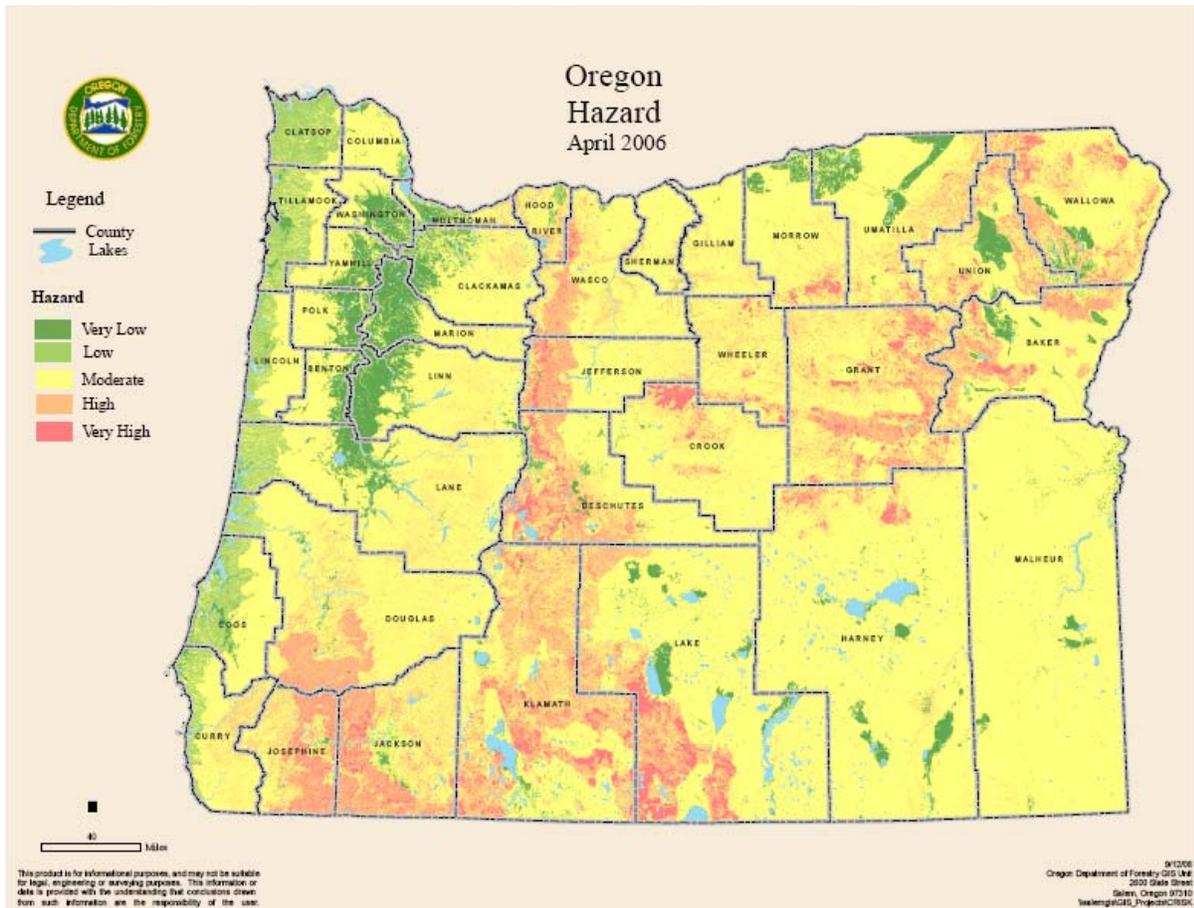


Figure 9. Hazard

This layer is used to indicate a *low*, *moderate*, or *high* resistance to control once a wildfire starts. The rating is based upon a composite of weather (25%), slope (4%), aspect (6%), elevation (2%) and fuel (30%), insect/disease mortality (20%), and crown fire potential (13%).

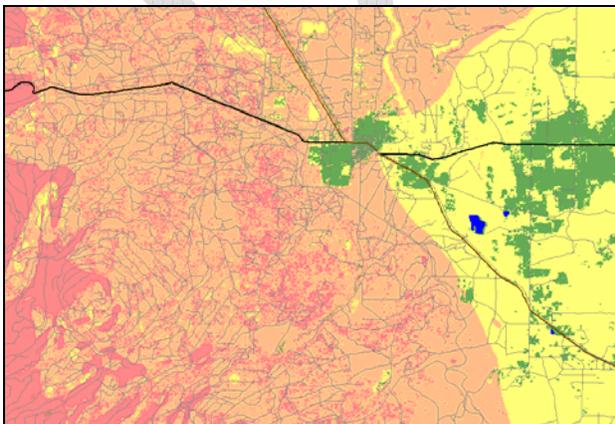


Figure 10. Hazard rating (low, moderate, high, and very high)

Weather

This layer is used to assess the affect of weather, based upon the number of days per season that forest fuels are capable of producing a significant fire event and is important to consider. The source is Oregon Administrative Rule 629-044-0230.

OAR Table 1	Rating
1	1
2	2
3	3

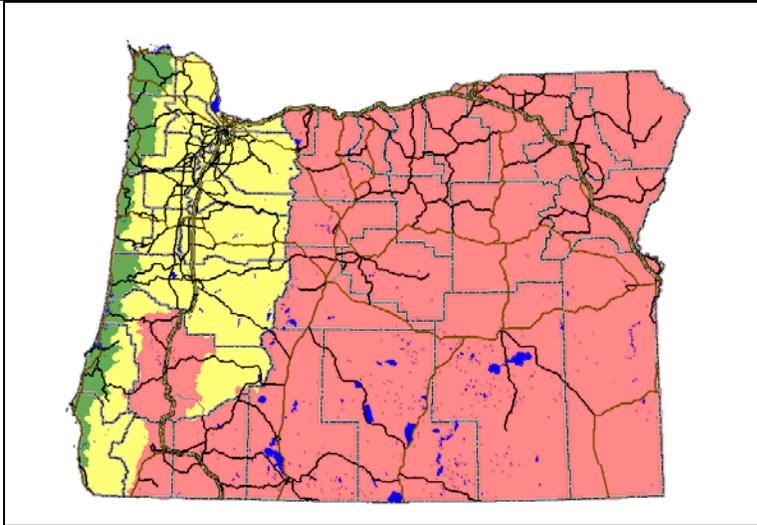
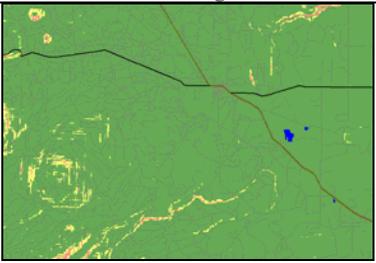
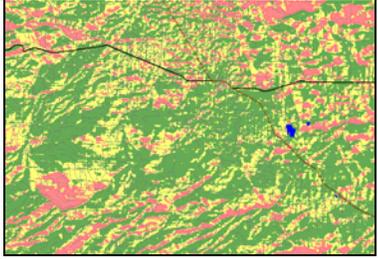
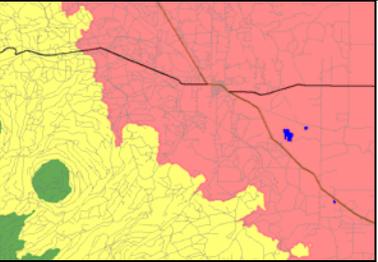


Figure 11. Weather factor

Slope, aspect and elevation

These layers are used to asses the effect of topography.

Topography	Rating
Slope	
	1
	2
0-25%	1
26-40%	2
>40%	3

Topography	Rating
Aspect	
N, NW, NE	1
W, E	2
S, SW, SE	3
Elevation feet above sea level	
5001+ feet	1
3501-5000 feet	2
0-3500 feet	3

Fuels

The purpose of this layer is to assess the affect of vegetative fuels on the hazard.

Fuel	Rating
Grass (1), Low/less flammable brush (5), and short-needle timber litter (8). Typically produces a flame length of up to 5 feet, a wildfire that exhibits very little spotting, torching, or crowning, and which results in a burned area that can normally be entered within 15 minutes.	1
Grass/Timber (2), moderate brush, conifer reproduction, open sage and juniper (6), Typically produces a flame length of 5 to 8 feet, a wildfire that exhibits sporadic spotting, torching, or crowning, and which results in a burned area that can normally be entered within one hour. Mixed severity.	2
Tall flammable grasses (3), Heavy/flammable brush (4), and mature timber with slash (10). Typically produces a flame length of over 8 feet, a wildfire that exhibits frequent spotting, torching, or crowning, and which results in a burned area that normally cannot be entered for over one hour. Stand replacement severity.	3

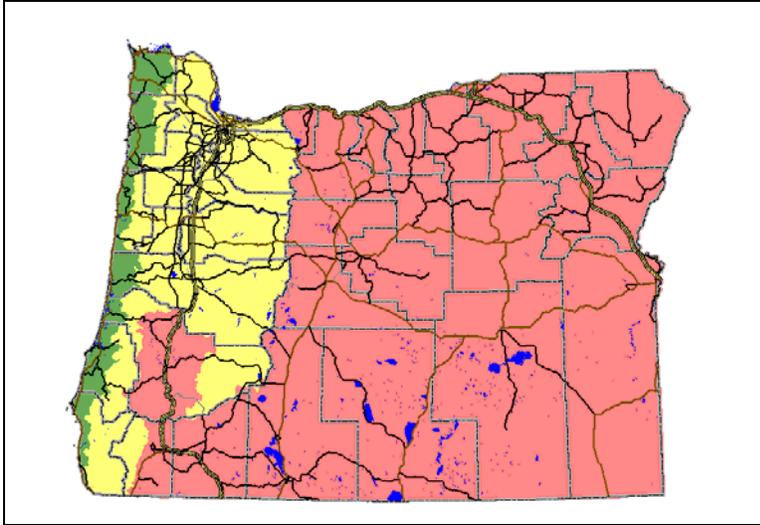


Figure 12. Fuel hazard factor

The vegetation and related fire-potential data used to determine fire characteristics are inferred from 1992-1996 satellite imagery. To compensate for the age of data, burn severity data from large fires was used to “update” these vegetation data.

The crosswalks used to derive the fuel model were developed through expert opinion and apply by ecoregion around the state. They have not been field verified in many locations.

Insect

The purpose of this layer is to assess the effect of past insect and disease mortality on fuels. The data is derived from aerial surveys from 1990-2004.

Total Damage (trees per acre)	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

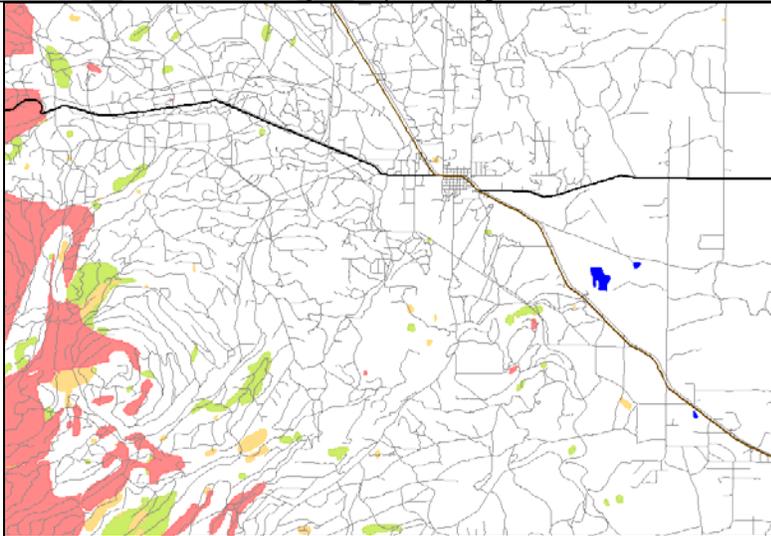


Figure 13. Insect and disease factor

Crown fire potential

The purpose of this layer is to assess the potential for crown fire. Due to lack of consistent validated data, Fire Regime Condition Class (FRCC) was used as a gross indicator of crown fire potential at the statewide level. Due to the coarseness of existing FRCC data, we calculated a “majority” FRCC for each sixth field watershed.

FRCC	Rating
CC 1, CC2 - FR IV-V	1
CC 2 - FR I-III	2
CC 3 - FR I-III	3

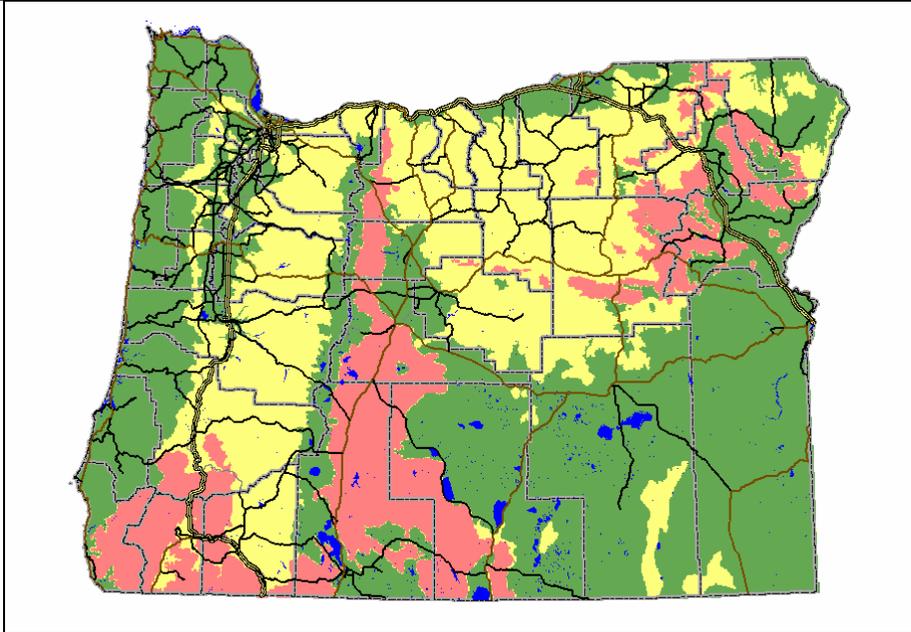


Figure 14. Crown fire potential (based upon a generalized Fire Regime Condition Class)

Protection Capability: Risks associated with inadequate wildfire protection capabilities, including capacity and resources to undertake fire prevention measures.

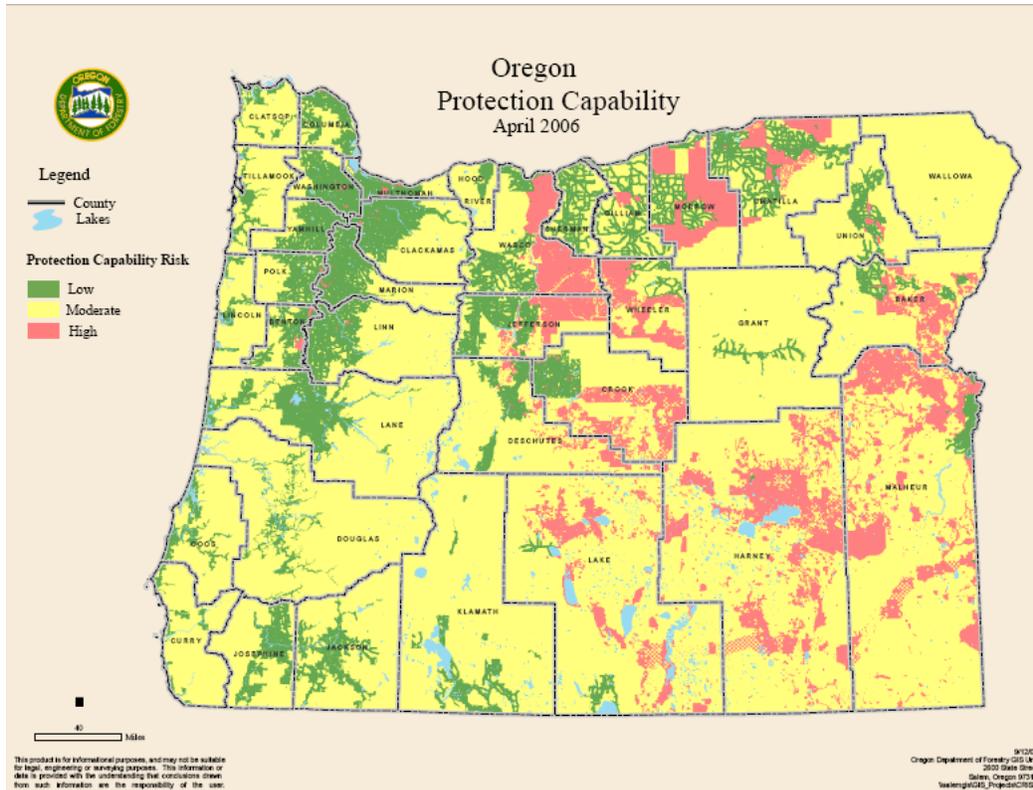


Figure 15. Protection Capability

This layer is used to indicate a *low*, *moderate*, or *high* risk associated with inadequate wildfire protection capabilities, including capacity and resources to undertake fire prevention measures. Consistent, statewide data to assess protection capability, such as ISO rating, actual response times, fire station locations, and fire department capacity, was not available at this time.

Organized Response	Rating
(Low Risk) Areas where effective and consistent structural fire response occurs within 10 minutes. This is generally where full-time or moderate to high capacity volunteer departments can access fires within 10 minutes	1
(Moderate Risk) Areas where there is wildland response, but structural response within 10 minutes is limited and/or does not exist.	2
(High Risk) Areas with no organized response	3

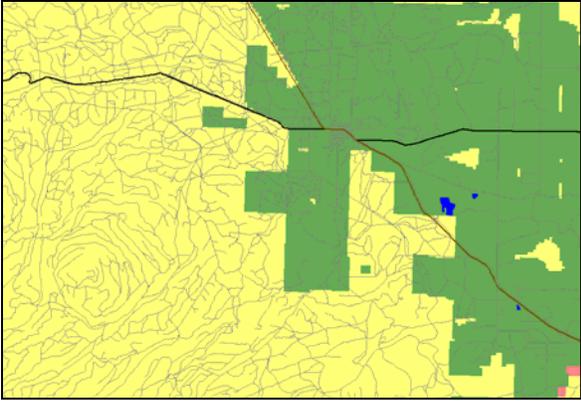


Figure 16. Risk from inadequate Protection Capability

DRAFT

Values: Human and economic values associated with communities or landscapes.

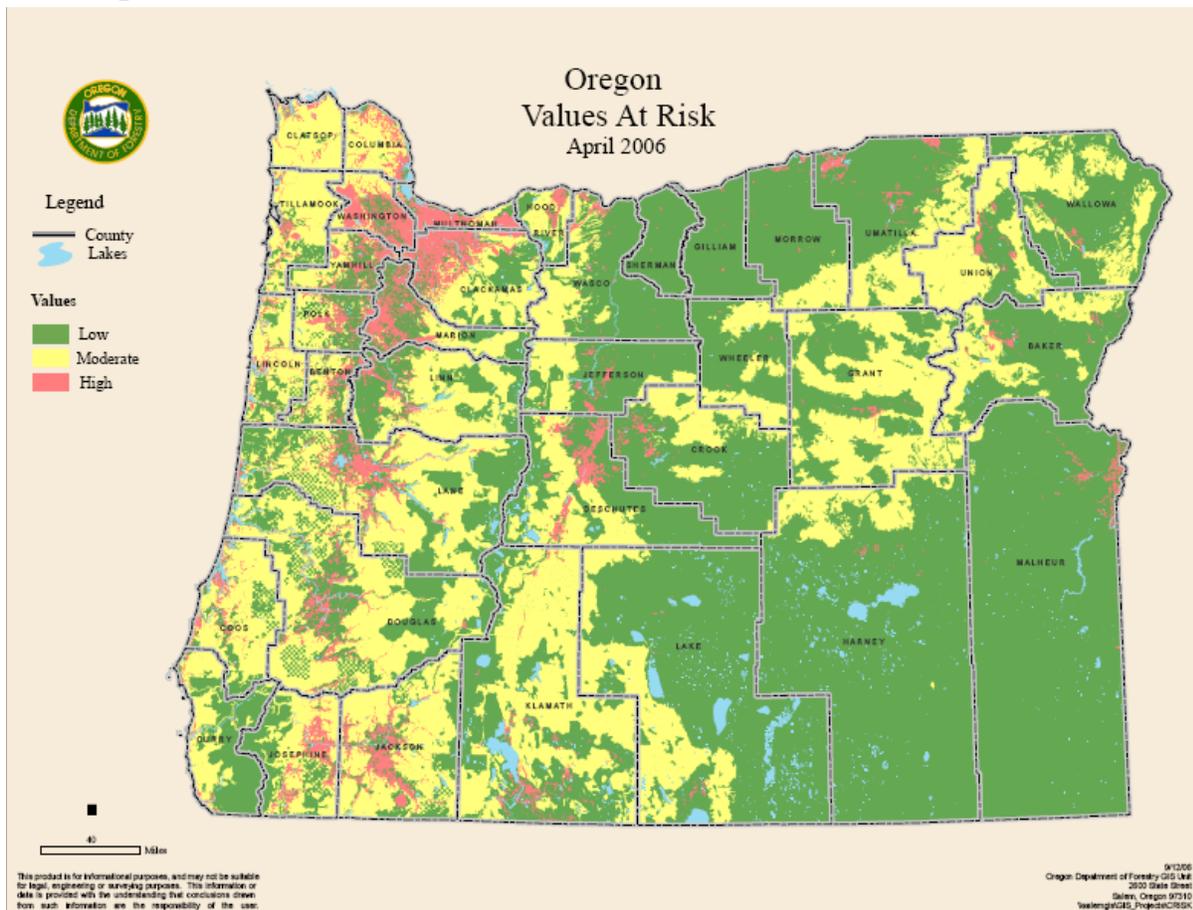


Figure 17. Values At Risk

This layer is used to indicate a *low*, *moderate*, or *high* risk of loss of human and economic values associated with communities or landscapes (the NASF definition is used for statewide assessment: non-economic values, such as critical wildlife habitat, vistas, etc. are not considered). It is a composite of life (50%), municipal watersheds (30%), and commercial forest values (20%).

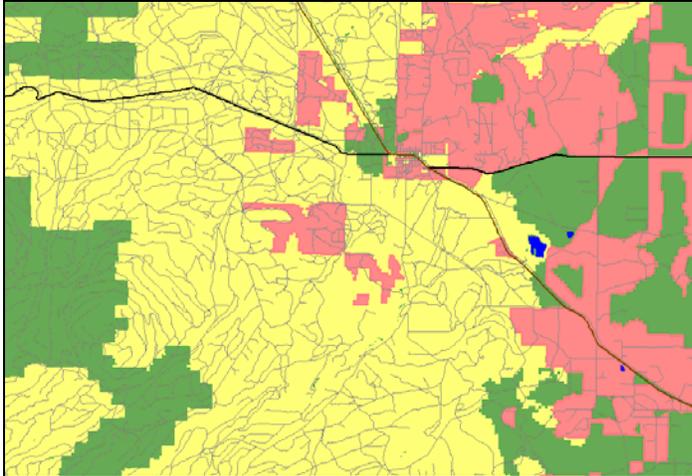


Figure 18. Value rating (composite of life, municipal watersheds, and commercial forest values)

Life

This layer is used to assess the value at risk associated with life (and dwellings).

Population/home density (WUI Code)	Rating
0,1	1
2,3	2
4,5	3

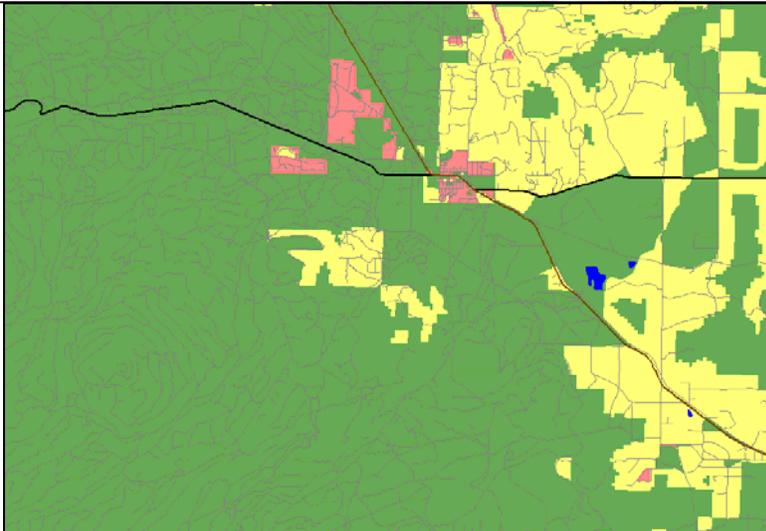


Figure 19. Life value (based upon population density)

Municipal watersheds

The purpose of this layer is to assess the value at risk associated with municipal watersheds.

Population per acre of watershed	Rating
0-.9	1
1-1.9	2
2+	3

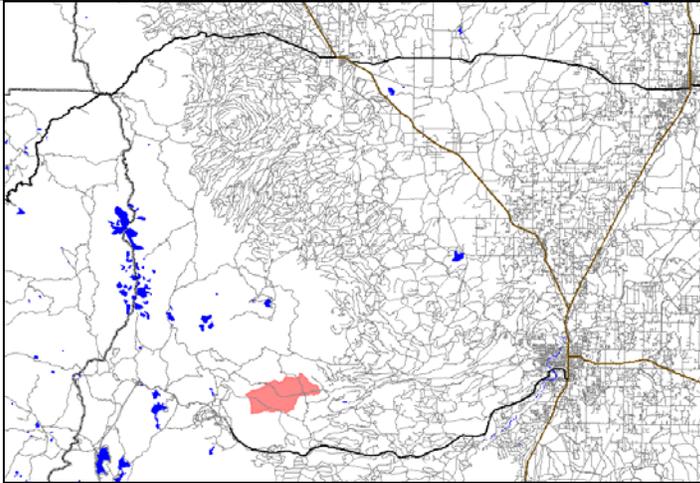


Figure 20. Municipal watershed factor

Commercial forest

This layer assesses economic forest values.

Classification	Rating
Non-Forest or Reserve Forest	1
Multi-resource Forest	2
Wood Production Forest	3

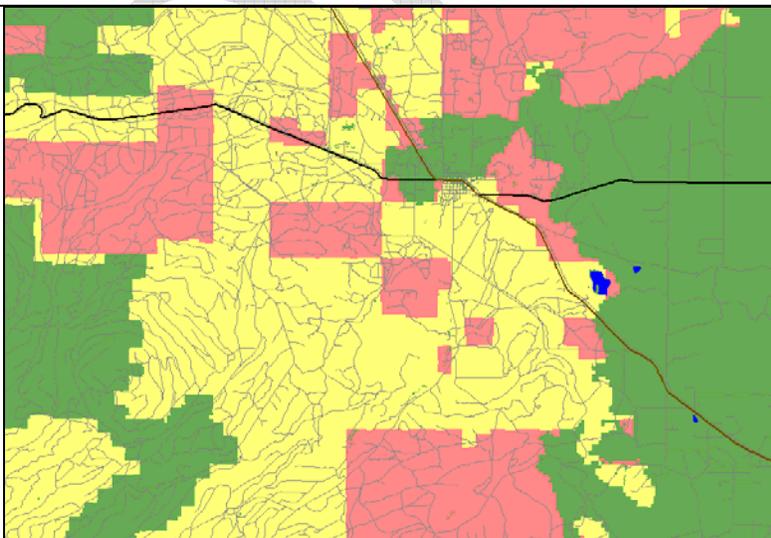


Figure 21. Commercial forest value

Overall: Composite of the four assessment factors – risk, hazard, protection capability, and values at risk.

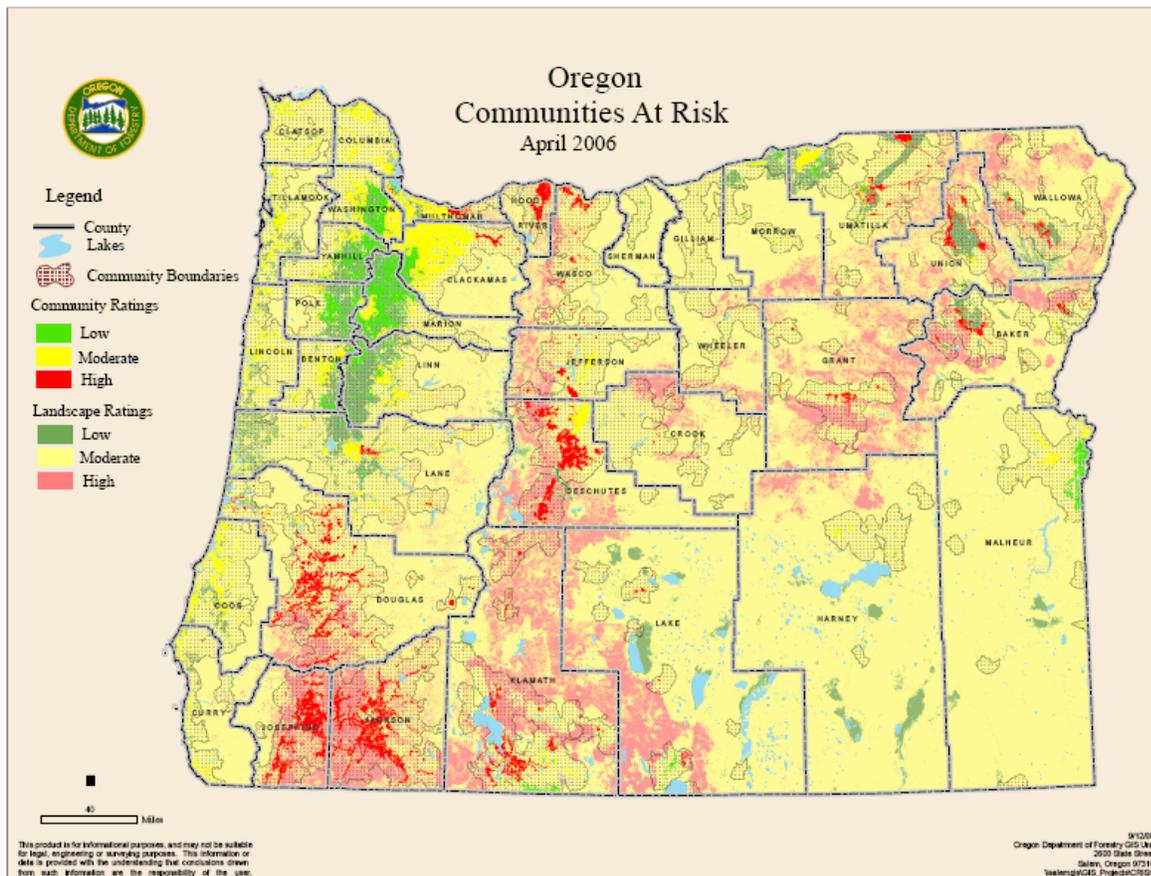


Figure 22. Overall

This layer is used to provide an overall rating of *low, moderate, or high risk*. It is a composite of *risk* (14%), *hazard* (43%), *protection capability* (14%), and *values at risk* (29%).

Assigning rating to Communities At Risk using the risk assessment data (information item).

The following process was used to assign a single rating of *Low*, *Moderate*, or *High* to each jurisdiction:

- For each community, acres of *Low*, *Moderate*, *High* and *Very High* (for Hazard only) are calculated for the area within 2 km of population densities meeting the NFP requirements
- For each community, acres of *Low*, *Moderate*, *High* and *Very High* (for Hazard only) are calculated for the area within adjacent watersheds (not to exceed 8 km from population densities meeting the NFP requirements).
- These acres are weighted based upon areas within 2 km being twice as important as areas further out (watershed).
- A rating is assigned based upon the following conditions:

Condition	Final Rating
Greater than 50% of weighted acres are low	(1) Low
Greater than 50% of weighted acres moderate or higher, but less than 5% were high or very high	(2) Moderate
Greater than 50% of weighted acres moderate or higher, and 5% or more were high or very high	(3) High

Appendix A. Use of the vegetation to fuels crosswalk and data

1. Use the ecoregion GIS layer and ecolink tab in the spreadsheet to determine the ecoregion grouping (labeled *Fuel Table*) displayed at the top of the Fire Behavior Fuel Model (FBFM) assignment tab of the spreadsheet.

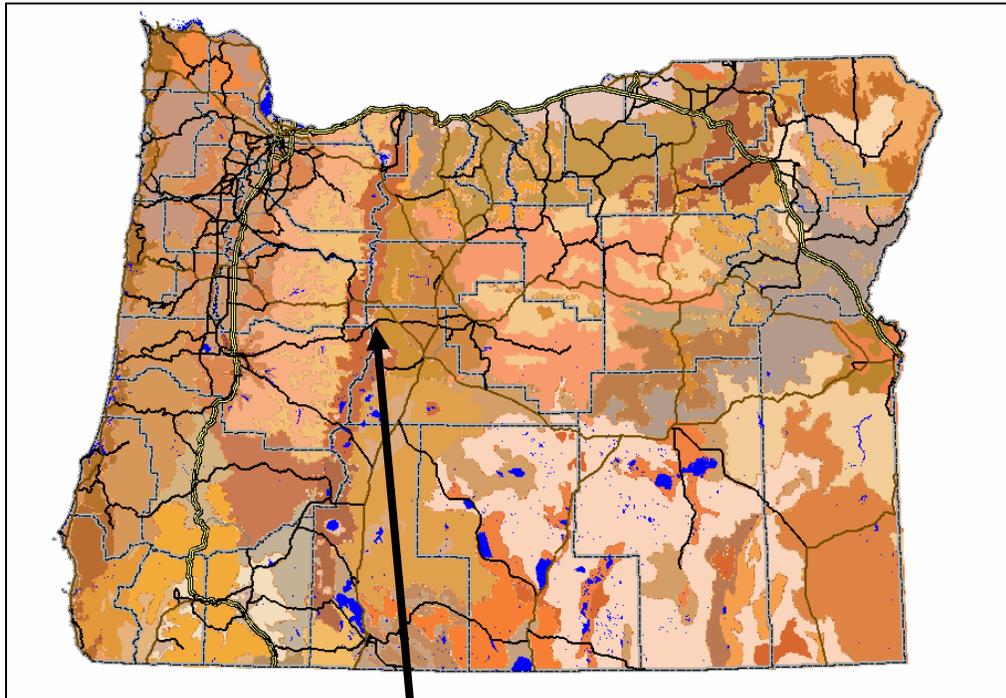


Figure 23. Ecoregion

Eco	Name	Level3	Lev3_name	Fuel table	Lev3
1a	Coastal Lowlands	1	Coast Range	A	1a
1b	Coastal Uplands	1	Coast Range	A	1b
1d	Volcanics	1	Coast Range	A	1d
1f	Willapa Hills	1	Coast Range	A	1f
1g	Mid-Coastal Sedimentary	1	Coast Range	A	1g
1h	Southern Oregon Coastal Mountains	1	Coast Range	A	1h
1i	Redwood Zone	1	Coast Range	A	1i
2h	Cowlitz/Chehalis Foothills	2	Puget Lowland	B	2h
3a	Portland/Vancouver Basin	3	Willamette Valley	B	3a
3b	Willamette River and Tributaries Gully Fo	3	Willamette Valley	B	3b
3c	Prairie Terraces	3	Willamette Valley	B	3c
3d	Valley Foothills	3	Willamette Valley	B	3d
4a	Western Cascades Lowlands and Valleys	4	Cascades	C	4a
4b	Western Cascades Montane Highlands	4	Cascades	C	4b
4c	Cascade Crest Montane Forest	4	Cascades	C	4c
4d	Cascade Subalpine/Alpine	4	Cascades	C	4d
4e	High Southern Cascades Montane Forest	4	Cascades	C	4e
4f	Umpqua Cascades	4	Cascades	C	4f
4g	Southern Cascades	4	Cascades	C	4g
9b	Grand Fir Mixed Forest	9	Eastern Cascades Slopes and Foothills	D	9b
9c	Oak/Conifer Eastern Cascades-Columbia F	9	Eastern Cascades Slopes and Foothills	D	9c
9d	Ponderosa Pine/Bitterbrush Woodlan	9	Eastern Cascades Slopes and Foothills	D	9d
9e	Pumice Plateau Forest	9	Eastern Cascades Slopes and Foothills	D	9e
9f	Cold wet Pumice Plateau Basins	9	Eastern Cascades Slopes and Foothills	D	9f

Figure 24. EcoLink tab on fuel assignment.xls

2. You can then use the NLCD: National Land Cover Data GIS layer and the FBFM assignment tab to evaluate how FBFM assignments were made for your area. An FBFM assignment of "0" means minimal fuel hazard.

	NLCD Code	Ecoregion				A	B	C	D	E	F	G	H	I	J
		Crown	Size	Structure	Code	Coast	Willamette	Cascade	East Slope	Columbia Plateau	Blue Mtn	Blue Mtn-Alpine	Klamath-Moist	Klamath-Dry	N. Basin
Conifer Forest	42	1	1	1	111	5	5	5	6	2	2	5	5	6	2
	42	1	1	2	112	11	11	11	9	2	8	5	8	8	2
	42	1	2	1	121	8	8	8	6	2	2	8	8	6	2
	42	1	2	2	122	8	8	8	9	9	9	8	8	6	9
	42	2	1	1	211	5	5	5	6	6	6	5	5	6	6
	42	2	1	2	212	5	5	5	9	6	6	10	8	6	6
	42	2	2	1	221	8	8	8	9	9	9	8	8	9	9
Mix Forest	43	1	1	1	111	5	5	5	5	2	2	5	5	6	2
	43	1	1	2	112	5	5	5	5	2	2	5	5	6	2
	43	1	2	1	121	5	5	5	5	2	2	9	8	6	2
	43	1	2	2	122	8	8	8	8	9	9	9	8	6	9
	43	2	1	1	211	5	5	5	5	6	6	5	5	4	6
	43	2	1	2	212	5	5	5	5	6	6	10	8	4	6
	43	2	2	1	221	8	8	8	8	9	9	9	8	9	9
	43	2	2	2	222	10	10	10	10	10	10	11	10	10	10

Pasture/Hay	81	1	1	1	111	0	0	0	0	0	0	0	0	1	0
	81	1	1	2	112	0	0	0	0	0	0	0	0	1	0
	81	1	2	1	121	0	0	0	0	0	0	0	0	1	0
	81	1	2	2	122	0	0	0	0	0	0	0	0	1	0
	81	2	1	1	211	5	5	5	6	6	6	5	6	6	6
	81	2	1	2	212	5	5	5	6	6	6	5	6	6	6
	81	2	2	1	221	8	8	8	9	9	9	8	9	9	9
	81	2	2	2	222	8	8	8	9	9	9	8	9	9	9
Row Crops	82	1	1	1	111	0	0	0	0	0	0	0	0	0	0
	82	1	1	2	112	0	0	0	0	0	0	0	0	0	0
	82	1	2	1	121	0	0	0	0	0	0	0	0	0	0
	82	1	2	2	122	0	0	0	0	0	0	0	0	0	0
	82	2	1	1	211	5	5	5	6	6	6	5	6	6	6
	82	2	1	2	212	5	5	5	6	6	6	5	6	6	6
	82	2	2	1	221	8	8	8	9	9	9	8	9	9	9
	82	2	2	2	222	8	8	8	9	9	9	8	9	9	9

Figure 25. Fire Behavior Fuel Model (FBFM) assignment tab in fuel assignment.xls