

COMMUNITY WILDFIRE PROTECTION PLAN

MORROW COUNTY, OREGON



Willow Cr., Morrow County, Oregon

Adopted by the Morrow County Court on March 22, 2006

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Signatures:

As required by the HFRA, the undersigned representatives of the Morrow County Court, Morrow County Fire Defense Board and Oregon Department of Forestry acknowledge that they have reviewed and agree with the contents of this plan.

Morrow County Court

Terry Tallman, Morrow County Judge

Date

Ray Grace, Morrow County Commissioner

Date

John Wenholz, Morrow County Commissioner

Date

Morrow County Fire Defense Board Chief

Jim Stearns, Area 9 Fire Defense Board Chief

Date

Oregon Department of Forestry

Robert Young, District Forester, Central Oregon District

Date

EXECUTIVE SUMMARY

Recent fires in Oregon and across the western United States have increased public awareness over the potential losses to life, property, and natural and cultural resources that fire can pose.

The Morrow County Community Wildfire Protection Plan (CWPP) is the result of a countywide effort initiated to reduce wildland fire risk to communities and their citizens, the environment, and quality of life within Morrow County. Citizens, fire districts, county staff or elected officials, and agency representatives have worked together to create a plan that would be successful in implementing fuels reduction projects, fire prevention education campaigns, and other fire-related programs.

See Appendix A for a list of participants of the Morrow County LCG

Plan Adoption

To ensure recognition by the public, as well as partner agencies and organizations, The Local Coordinating group presented this Morrow County Community Wildfire Protection Plan (**MCCWPP**) to the County Court for adoption on (**INSERT date**)

While the Morrow County Community Wildfire Protection Plan provides a foundation and resources for understanding wildland fire risk and opportunities to reduce potential losses from wildland fire, individual communities, fire districts and neighborhoods can take local action by developing community-specific fire plans or by participating in countywide activities for prevention and protection.

The Healthy Forests Restoration Act of 2003 recommends that communities develop a Community Wildfire Protection Plan, as does the FEMA Disaster Mitigation Act of 2000. With formal adoption of this plan, Morrow County is more competitive for funding that may assist with plan implementation. Furthermore, adoption of this plan highlights the partnerships between fire districts, local government, community-based organizations and public agencies. The result of this partnership brings direction to the federal agencies for which communities are a priority for fuel treatment on federally managed and non-federal lands.

Sustaining Fire Plan Efforts

In the past, there has been limited awareness about the investment required to maintain fire protection. From fuels reduction, education and prevention to evacuation, citizens must have the information and resources to be active participants in reducing their risk to wildland fire. For many years, there has been a reliance on insurance, local government, fire service, federal agencies and many other types of organizations to aid us when disaster strikes. The **MCCWPP** encourages citizens to take an active role in identifying needs, developing strategies and implementing solutions to address wildland fire risk by assisting with the development of local community wildfire protection plans and participating in countywide fire prevention activities. Citizen action may be cleaning up brush around homes, installing new smoke detectors, volunteering to be a part of auxiliary, attending community meetings, and/or passing along information on fire prevention to neighbors and friends. With the **MCCWPP** as a foundation, community wildfire plans and local action can guide successful implementation of fire hazard reduction and protection efforts in the County.

Development of the Morrow County Community Wildfire Protection Plan has been no small task. Building a partnership and cooperative environment between “community based” organizations, fire districts, local government and the public land management agencies has been the first step in identifying and prioritizing measures to reduce wildfire risk. Maintaining this cooperation with the public is a long-term effort that requires commitment of all partners involved.

Morrow County is committed to supporting the rural fire districts and communities in their fire protection efforts, both short and long-term. The County will continue to provide support in maintaining countywide

risk assessment information and emergency management coordination. In 2006, The Local CWPP Coordination Group will work on implementing the wildfire plan by working with fire districts, community organizations and public agencies to coordinate fuels reduction projects with existing dollars through the National Fire Plan. The **MCCWPP** will focus on public meetings, education campaign; strengthen emergency management and evacuation procedures. **MCCWPP** partners will also focus on refining long-term strategies to maintain fire protection activities in the County. Annual meetings of the local coordinating group and annual open house meetings will continue to take place.

Morrow County Community Wildfire Protection Plan Mission, Goals, Objectives

Developed by the local coordinating group comprised of rural fire protection districts, local government, state and federal agencies, and community-based organizations, the plan mission is to reduce the risk from wildland fire to life, property and natural resources in the County.

Goals

- Protect against potential losses to life, property and natural resources from wildland fire;
- Build and maintain active participation from each Fire Protection District;
- Set realistic expectations for reducing wildland fire risk;
- Identify actions for fire protection;
- Access and utilize federal and other grant dollars;
- Identify incentives for fire protection and community participation;
- Promote visible projects and program successes;
- Monitor the changing conditions of wildland fire risk and citizen action over time;
- Institutionalize fire-related programs and sustain community efforts for fire protection;
- Establish and maintain escape route and adjacent corridors.

To address the complex range of issues within the **MCCWPP**, it became clear early in the planning process that broader and diverse participation was needed for success. Through public meetings and invitations to organizations and stakeholders in the county, sub categories were formed to develop objectives and implement actions to support the plan. Objectives within sub categories are described below.

Category	Objective
General	<ul style="list-style-type: none"> · Provide oversight to all activities related to the MCCWPP · Ensure representation and coordination · Develop and refine goals for fire protection in Morrow County · Develop a long-term structure for sustaining efforts of the MCCWPP
Risk Assessment	<ul style="list-style-type: none"> · Identify Communities-at-Risk in the Wildland-Urban Interface · Develop and conduct a wildland fire risk assessment · Identify hazardous fuels treatment projects
Fuels Reduction	<ul style="list-style-type: none"> · Identify strategies for coordinating fuels treatment projects at a landscape scale · Provide special need citizens with an opportunity to participate in programs
Emergency Management	<ul style="list-style-type: none"> · Strengthen emergency management, response and evacuation · Coordinate between County government and local fire districts

Information and outreach	<ul style="list-style-type: none"> · Develop strategies for increasing citizen awareness and action for fire prevention · Reach out to all citizens in the county
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County Profile

Based on the 2000 Census, there are 10,995 people residing in Morrow County accounting for 3,776 households. This rich agricultural land can be roughly divided into three occupational zones-increasing amounts of irrigation farming in the north, vast fields of wheat yielding to cattle ranches in the center, and timber products in the south. The total area of Morrow County is approximately 2,049 square miles, a little more than 1.3 million acres of gently rolling plains and broad plateaus, of which about 130,454 acres is privately owned forestland and about 225,333 acres is managed by federal, state, and county agencies for the public good.

Management	Acres
Private Lands (Residential, Ranches, Timber Companies, etc.)	1,085,129
US Department of Interior, Bureau of Land Management	3,893
US Department of Interior, Fish & Wildlife Service	4,332
Department of Defense, Boardman Range	41,277
US Department of Agriculture, Forest Service, Umatilla NF	144,679
Morrow County	6,410
State of Oregon, Division of State Lands & Dept of Fish & Wildlife	2,182
US Corps of Engineers	22,560
Total	1,310,462

Within the county boundary there are (2) incorporated cities with fire departments, Heppner and Lexington. Both are operated with volunteer fire fighters. In addition, there are (6) rural fire protection districts within the county, Heppner, Ione, Irrigon, Boardman, S. Gilliam Rural, and Pilot Rock Rural Fire Districts. In the Rural Fire Districts, there are only (3) paid fulltime fire fighter, the rest is strictly volunteer. In 2005, Morrow County elected to cover all lands outside the Forest Protection District with rural fire protection for both structures and wildland. The County used the Zone II authority and divided the protection responsibility among the established Rural Fire Districts. This process is nearly complete. Also, there are several communities and many well populated areas that do not have fire departments including Blake’s Addition, Cutsforth Park, Lake Penland, and Reeds Mill.

There are ten (10) organizations that provide wildland fire protection, comprised of 6 Rural Fire Districts, the BLM (Bureau of Land Management), USFS (United States Forest Service), USF&W (United States Fish & Wildlife Service, and ODF (Oregon Department of Forestry). The Pendleton and John Day airports have single engine air tankers (SEATs) available during the summer fire season. There are helicopter rappel bases at Ukiah and John Day.

Oregon Department of Forestry, Morrow County, and USFS/BLM are in a partnership to suppress wildland fires, and operate under a “closest forces” concept. ODF is responsible for protection of private lands, county and State of Oregon lands within the Forest Protection District. The USFS, Umatilla National Forests, plus BLM work with the ODF to locate the closest fire crew to an ignition and dispatch

for initial attack. ODF and the USFS have mutual aid agreements with the rural fire districts within Morrow County that allow for assistance to be provided regardless of jurisdiction.

See Land Management Map in Appendix B

See Morrow County Rural Fire Protection Districts Map in Appendix B

Wildland Fire Risk Assessment

The Morrow County Community Wildfire Protection Plan wildland fire risk assessment analyzes the potential losses to life, property and natural resources. Objectives of the risk assessment are to identify Communities at-Risk and the Wildland-Urban Interface, develop and conduct a wildland fire risk assessment, and identify and prioritize hazardous fuels treatment projects. The analysis takes into consideration a combination of factors defined below:

Risk: Potential and frequency for wildland fire ignitions (based on past occurrences)

Hazard: Conditions that may contribute to wildland fire (fuels, slope, aspect, elevation, and weather)

Values: People, property, community infrastructure, natural and other resources that could suffer losses in a wildfire event.

Protection Capability: Ability to mitigate losses, prepare for, respond to, and suppress wildland and structural fires.

Structural Vulnerability: Characteristics influencing the vulnerability of structures during a wildland fire event (roof type and building materials, access to the structure, and whether or not there is defensible space or fuels reduction around the structure.)

Communities at Risk

The Federal Register has listed cities and areas in the United States that are a risk to urban interface fires. This list includes (3) locations in Morrow County. They are; Blake's Addition, Custforth Park, and Lake Penland. These areas are very high risk for several reasons including ---

1. No jurisdictional authority for structure suppression.
2. Initial attack time to structures and wildland.
3. Lack of trained people and appropriate equipment to take action on structures.
4. Fuel loading in and around living sites.
5. Fuel loading adjacent to living areas.
6. Very poor access.
7. Location of structures (i.e. in draw bottoms, south slopes, etc.).
8. Construction of structures (combustible roofing etc.).
9. Lack of safety zones for residents and firefighters.
10. Communications and evacuation systems, plans and back-up.

In recent years the population of Morrow County has moved further and further into traditional resource

land including forested lands. This has produced a significant increase in threats to life and property and has pushed existing fire protection systems beyond their original or current design capabilities.

Many Morrow County property owners could use assistance identifying the problems they face. Information on risk reduction and mitigation to offset the fire hazards on their property is essential.

Hazardous Fuels Reduction Objectives

Action
1. Identify fuels treatment projects on lands using the risk data.
2. Utilize risk assessment information in applications for National Fire Plan grants and other fuels reduction dollars.
3. Review how grant dollars for fuels reduction projects are administered. Make changes to the program so that they are more directed towards landscape scale treatments.
4. Develop long-term strategies for maintenance of fuels reduction
5. Focus Strategic planning for hazardous fuels treatment projects on evacuation routes/corridors. (County Roads/FS Roads/State Hwys/Public Access Roads/Private Drives)
6. Promote information and outreach through all fuels reduction programs to ensure strong community involvement in fuels reduction and wildland fire prevention projects.

Fuels Treatment Areas

The State, County, Rural and City fire districts, community organizations and agency partners have worked together to identify fuel treatment areas. This process includes examining the risk assessment maps and strategic planning units and using local knowledge and information gathered during community meetings to identify the most appropriate places to prioritize for treatment. Consideration is given to areas where the federal agencies have planned fuels reduction projects in order to achieve the landscape scale treatment.

Monitoring Strategy

The primary objective of the local coordinating group is to provide guidance for all elements of planning and implementation of the Morrow County Community Wildfire Protection Plan. The local coordinating group will continue to provide oversight through meetings and coordination with the fire protection agencies and the communities at risk in Morrow County.

CHAPTER 1: INTRODUCTION

On a normal summer day in Morrow County you can find many residents checking the skies for a building thunderhead or a plume of smoke. Wildland fire has impacted the county since long before the first settler moved into the area.

Environment and Natural Resources

Morrow County, created from Umatilla County in 1885, is located east of the Cascades in north-central Oregon. It was named for J.L. Morrow, an early resident. Morrow County contains more than one-million acres of gently rolling plains and broad plateaus. This rich agricultural land can be roughly divided into three occupational zones-increasing amounts of irrigation farming in the north, vast fields of wheat yielding to cattle ranches in the center, and timber products in the south. With the advent of center pivot irrigation technology, Morrow County has become one of Oregon's fastest growing areas in terms of population, personal income, and agricultural and industrial development. The Port of Morrow, second largest in the state in terms of tonnage, serves as a gateway to the Pacific Northwest and Pacific Rim markets.

Strategy

Morrow County has lived with fire since the county was first established in 1885. Fire has been a major tool in shaping the existing forest and other plant communities since long before the country was settled. Lightning and humans will always contribute to fire starts during all conditions dry or wet. Of the three fire behavior components (fuel, weather, topography), fuels are the one variable that humans can easily influence and modify. With this in mind, this plan is aimed at reducing fire effects by reducing fuel loading and to produce conditions, in case of fire, that are considered manageable during most conditions and to improve initial attack capabilities for all types of fires.

1. The number one goal of this plan is to provide for the protection of the public and create a safe work environment for fire suppression forces. With the reduction of wildland fuels we move closer to achieving the goal of all structures surviving an on-coming fire.
2. Everyone involved with this plan must work together to successfully manage hazardous fuels within and near the communities. Those included are association groups, Federal agencies, Local Agencies, local and state fire protection districts, private industrial timberland owners, and private land and home owners.
3. There are often weather conditions where high temperatures, single digit humidity's, and strong winds occur simultaneously. Under these conditions prevention through communication to reduce fire start potential is the only protection for communities from wildland fire effects. These conditions can lead to plume dominant fires which create their own burning conditions and are literally unmanageable and can become catastrophic.
4. The key to making this plan work will be increasing public awareness through informational programs. This county is a typical Eastern Oregon county with small cities scattered throughout with a population of people living in homes scattered outside the city limits. These homes are located in all fuel types. Some are snuggled in the timber adjacent to the forest. Others are in the lower elevations of grass/juniper/sagebrush climate. Distance from any type of fire protection is one of the biggest problems for these homes and access. Depending upon the day, suppression response times could be as long as 1 hour.

Fire Policies and Programs

There are various local, state and federal programs and policies related to community fire planning and fire protection. Most recently, the Healthy Forests Restoration Act, signed into law by President Bush in 2003, calls for the development of Community Wildfire Protection Plans for all communities at risk from wildland fire. This section describes these requirements, as well as related County, state and federal programs.

Healthy Forest Restoration Act (HFRA) / Healthy Forest Initiative (HFI)

In 2002 the President announced the Healthy Forest Initiative (HFI) designed to identify and remove barriers to the implementation of projects that were developed to restore the health of the national forests. HFI was focused on renewed efforts to be more effective and efficient in carrying out restoration projects. Under HFI, new categorical exclusions were developed to allow the federal agencies to move more quickly through National Environmental Policy Act (NEPA) under appropriate circumstances, streamlined administrative review processes for NEPA, and created new regulations under the Endangered Species Act for National Fire Plan projects to streamline consultation with federal regulatory agencies. It also set the stage for extensive discussion between the administration and Congress that resulted in new legislation addressing forest health.

Congress enacted the Healthy Forest Restoration Act in November 2003. It provides new tools and additional authorities to treat more federally-managed acres more quickly to expedite our restoration goal. It strengthens public participation and provides incentives for local communities to develop community protection plans. It limits the complexity of environmental analyses for hazard reduction projects, provides more effective appeals process and instructs the Courts that are being asked to halt projects, to balance the short-term affects of implementing the projects against the harm from undue delay and long term benefits of a restored forest.

Title I of the HFRA addresses vegetation treatments on certain types of National Forest System and Bureau of Land Management lands that are at risk of wildland fire or insect and disease epidemics.

This title:

- Encourages streamlined environmental analysis of HFRA projects;
- Provides for administrative review of proposed HFRA projects on National Forest System lands before decisions are issued;
- Contains requirements governing the maintenance and restoration of old-growth forest stands when the Forest Service and BLM conduct HFRA projects in such stands;
- Requires HFRA projects in the Forest Service and BLM to maximize retention of larger trees in areas other than old-growth stands, consistent with the objective of restoring fire-resilient stands and protecting at-risk communities and Federal lands;
- Encourages collaboration between Federal agencies and local communities when community wildfire protection plans are prepared;
- Requires using at least 50% of the dollars allocated to HFRA projects to protect communities at risk of wildland fire;
- Requires performance to be monitored when agencies conduct hazardous-fuel reduction projects and encourages multiparty monitoring that includes communities and other stakeholders; and
- Encourages courts that consider a request for an injunction on an HFRA-authorized project to balance environmental effects of undertaking the project against the effects of failing to do so.

Title III of the Act also encourages the development of Community Wildfire Protection Plans under which communities will designate their Wildland Urban Interface (WUI), where HFRA projects may take place. Half of all fuel reduction projects under the HFRA will occur in the community protection zone as defined by HFRA. HFRA also encourages biomass energy production through grants and assistance to local communities to create market incentives for removal of otherwise valueless forest material.

National Fire Plan and 10-Year Comprehensive Strategy

The National Fire Plan (NFP) was established after a landmark fire season in 2000 with the intent of actively responding to severe wildland fires and their impacts to communities while assuring sufficient

firefighting capacity for the future. The NFP is a long-term commitment intended to help protect human lives, communities and natural resources, while fostering cooperation and communication among federal agencies, states, local governments, tribes and interested publics. The NFP focuses on 1) fire suppression and protection, 2) restoration/rehabilitation, 3) hazardous fuels reduction, 4) community assistance, and 5) accountability. The Oregon and Washington NFP Strategy Team sees reduction of unnatural hazardous fuel levels that threaten communities and forest ecosystems as the foundation principle for dealing with fire risks (NFP Strategy Team 2002). Most NFP funding in Oregon goes to wildland fire preparedness and hazardous fuel treatment (USDI and USDA 2003).

The National Fire Plan is a long-term investment that will help protect communities and natural resources, and most importantly, the lives of firefighters and the public. It is a long-term commitment based on cooperation, and collaboration, communication among federal agencies, states, local governments, tribes and interested publics. The federal wildland fire management agencies worked closely with these partners to prepare a 10-Year Comprehensive Strategy, completed in August 2001. The National Fire Plan calls for the development of Community Fire Plans to aid in effectively implementing NFP goals.

Senate Bill 360: Oregon Forestland-Urban Interface Fire Protection Act

The Oregon Forestland-Urban Interface Fire Protection Act of 1997 (SB360) is intended to facilitate development of an effective WUI protection system in Oregon by 1) establishing policies regarding WUI protection, 2) defining the WUI in Oregon and establishing a process and system for classifying the interface, 3) establishing standards for WUI property owners so they can manage or minimize fire hazards and risks, and 4) providing the means for establishing adequate, integrated fire protections systems in WUI areas, including information and prevention efforts. This act is only pertinent to areas within ODF's protection boundaries and is going to be implemented in all of these areas across the state by 2011.

Oregon Statewide Land Use Planning Goal 7

The intent of Oregon Statewide Land Use Planning Goal 7 for Areas Subject to Natural Hazards is to protect people and property from natural hazards. Goal 7 directs local governments to adopt comprehensive plans (inventories, policies and implementing measures) to reduce risk to people and property from natural hazards. Goal 7 also indicates that new hazard inventory information provided by federal and state agencies shall be reviewed by the Oregon Department of Land Conservation and Development (DLCD) in consultation with affected state and local government representatives. After such consultation, the DLCD shall notify local governments if the new hazard information requires a local response. Local governments shall respond to new inventory information on natural hazards within 36 months after being notified by the DLCD, unless extended by the Department. – <http://www.lcd.state.or.us/LCD/docs/goals/goal7> *In relationship to ODF, as new data is identified, and particularly high hazard areas identified through Senate Bill 360, local governments will need to address the provisions of Goal 7.)*

Federal Emergency Management Agency Disaster Mitigation Act of 2000

Federal Emergency Management Agency (FEMA) requirements under Title 44 CFR Part 201 of the Disaster Mitigation Act of 2000. This legislation specifies criteria for state and local hazard mitigation planning which require local and Indian tribal governments applying for Pre-Disaster Mitigation (PDM) funds to have an approved local mitigation plan. These may include county-wide or multi-jurisdictional plans as long as all jurisdictions adopt the plan. Activities eligible for funding include management costs, information dissemination, planning, technical assistance, and mitigation projects.

CHAPTER 2: COORDINATION PROCESS

Coordinating Groups

There are two major committees that deal with all aspects of fire emergencies in Morrow County. The Area 9 (Umatilla/Morrow County) Fire Defense Board is represented by all the municipal fire departments, Oregon State Fire Marshal's office, and Rural Protection Districts. The second is under the Master Agreement and Operating Plan between the Federal Wildland Fire agencies and the States of Oregon and Washington.

Community outreach will be done through both of these groups. There are many homes and structures that are in danger from possible wildland fire. Many of these homes are situated in risk areas due to the desire for seclusion. It will be a major hurdle to contact these land owners and inform them about defensible space or convince them it is a necessary objective. Emergency operations will also cover these possibilities.

Gaining committee representation

The **MCCWPP** Local Coordinating Group (LCG) began conducting outreach with community-based organizations throughout the County. The **MCCWPP** Local Coordinating Group invited all organizations, business or residents with an interest in working on fire-related issues to participate.

The LCG began by ODF conducting meetings with all of the fire districts, the Forest Service, and BLM. This process resulted in each of the agencies appointing at least one person to the **MCCWPP** Local Coordinating Group. Agencies directed field officers, fuels management specialists, fire prevention staff and others to participate.

Executive Committee

The Executive Committee is responsible for Documentation and Filing of the Morrow County Community Wildfire Protection Plan. Members of the Executive Committee include:

Members Representing;

Morrow County Court
Area 9 Fire Defense Board
Oregon Department of Forestry

Local Coordinating Group

The Local Coordinating Group is responsible for providing guidance to all elements of planning and implementation of the Morrow County Community Wildfire Protection Plan. It also coordinates the priority of communities at risk and projects. Members of the Local Coordinating Group include:

Members Representing;

Morrow County Court
Area 9 Fire Defense Board
Oregon Dept. of Forestry representing State Agencies: ODF&W
Federal Agencies: USFW, DOD Navy, USFS Umatilla NF
Community Leaders
County Agencies

Local Coordinating Group Responsibilities;

Actions	Timeline	Outcomes
Gain representation and involvement from RFPD	Short-term	Active participation by each RFPD
Access and utilize federal dollars while they are available	Short-term	Continued federal funding for fuels reduction
Set realistic expectations for reducing wildland fire risk	Ongoing	Increased public awareness about wildland fire
Coordinate priorities for funding	Ongoing	Achieve landscape treatment and equitable distribution
Promote visible projects and program successes	Ongoing	Increased awareness
Find funding to support efforts	Long-term	Increased Funding
Identify incentives for fire protection and community participation	Long-term	Increased citizen action
Engage insurance companies	Long-term	Insurance industry investment in activities
Promote local investment (property, infrastructure, business)	Long-term	Increased economic development

Citizen Involvement

The heart of the Morrow County Community Wildfire Protection Plan is the interest, and long-term involvement of residents in reducing wildland fire risk around their homes and in their community. Informing citizens and providing tools and resources that enable people to prepare for wildland fire will have lasting effects to building resilience to wildland fire and capacity for communities to work together toward common goals. Providing tools, information and resources that enable citizens to understand, prepare for, recover from, and learn to live with wildfire can have long-lasting effects in building resilience to catastrophic wildfire. This can also increase the capacity for communities to work together toward common goals.

Community Risk Assessment

Understanding the risk of wildfire to people, property and natural resources is an essential starting point for identifying priorities for treatment. The Morrow County risk assessment includes a comprehensive analysis of risk, hazard, values, structural vulnerability, and protection capabilities. Values are defined in many ways and by many different agencies and programs (for example, the National Association of State Foresters, the Healthy Forests Restoration Act, the National Fire Plan, and the BLM Risk Assessment Model (RAMs), among others.)

CHAPTER 3: Wildland Fire Risk Assessment

Fire Occurrence - History of fire within the community

Fire is an important disturbance mechanism in many of the ecosystems in Morrow County. The number of these fires, from 1984 to 2003, ranged from (13) in 1993 to (105) in 1999 with a total of 873 fires during this time period burning more than 213,000 acres. (29) Fires burned 300 acres or more during that period and of those, (6) were 5000 acres or more. *(Due to inconsistent tracking of historic fire data, the chart below is incomplete for fire numbers and acreage burnt)*

Many of the significant fire events in Morrow County occur as a result of dry lightning storms. Wide spread dry lightning is fairly frequent, occurring approximately every one to three years. These episodes can cause 50-100 ignitions in one day requiring suppression.

Morrow County 1984 to 2003

Size Class	Acres	Number of Fire
A 0-.24	56 acres	435
B .25-9.9	459 acres	263
C 10-99.9	2,952 acres	94
D 100-299.9	7,530 acres	52
E 300-999.9	10,370 acres	16
F 1000-4999.9	14,796 acres	7
G 5000-9999.9	12,000 acres	2
H 10,000+	165,000 acres	4
Total	213,163 acres	873

See Historic Fire Occurrence Map in Appendix B

See Previous Large Fire Map in Appendix B

Wildland Urban Interface (WUI)

The boundaries of the **Wildland Urban Interface** are based on the actual distribution of structures and communities adjacent to or intermixed with wildland fuels.

Fuel reduction treatments are designed to protect human communities from wildland fires as well as minimize the spread of fires that might originate in urban areas. The management objective in the wildland-urban interface zone is to enhance fire suppression capabilities by modifying fire behavior inside the zone and providing a safe and effective area for fire suppression activities.

See WUI Map in Appendix B

Fire Regime and Condition Class

Fire Regime Code	Description
I	Less than 35 year fire return interval, low severity, usually non-lethal.
II	Less than 35 year fire return interval, stand replacement severity.
III	35 – 100 year return fire interval, mixed severity.

Condition Class 1 = Fire frequencies are within or near the historical range, and have departed from historical frequencies by no more than one return interval.

Condition Class 2 = Fire frequencies and vegetation attributes have been moderately altered from the historical range, and fire frequencies have departed from historical frequencies by more than one return interval.

Condition Class 3 = Fire frequencies and vegetation attributes have been significantly altered from the historical range, and fire frequencies have departed from historical frequencies by multiple return intervals. The risk of losing key ecosystem components is high.

See Fire Regime / Condition Class Maps in Appendix B (Due to lack of data for land exterior the National Forest Boundary, the determinations for non-USFS land within the WUI areas in these maps are based upon local knowledge and the definitions for these categories)

CHAPTER 4: Emergency Operations

Wildland Fire Suppression Procedures

Currently all wildland fires in Morrow County are aggressively suppressed. This is done through a Master Cooperative Fire Protection Agreement. This agreement consists of five organizations:

John Day Unit, Central Oregon District, ODF, (with Mutual Aid Agreements with all cities and rural Fire Departments)

Umatilla National Forest, USFS

Prineville District, BLM

Vale District, BLM

USF&W Service

Wildland fire fighting organizations have a multitude of support resources. Movement of federal; resources are coordinated through local dispatch centers and the Northwest Coordination Center (NWCC) in Portland, Oregon. State resource movement is coordinated through local dispatch centers, the ODF-Salem Coordination Center and the WDNR dispatch office in Olympia, Washington

Tribal Resources

Indian tribal resources are available through the use of existing Bureau of Indian Affairs/Tribal Cooperative agreements.

Inmate Resources

Oregon Department of Forestry has an agreement with Oregon Department of Corrections for the use of inmate resources to fight fires and support fire suppression activities. The use of inmates is available through the Master Cooperative Fire Protection Agreement to other agencies.

International Resources Mexico, Canada

The use of international resources is available through the Northwest Compact and Annual Operations Guidelines and International Agreements in the National Mobilization Guide.

There are two types of initial attack available; one is by air, the other by land. There are several areas within the county, mostly on public land that are road less due to the rugged topography. Initial attack in these areas is mainly by air. Redmond, Oregon houses a smoke jumper and retardant base, also LaGrande, Oregon has an air tanker base. The John Day Airport has a helibase equipped with rappellers and a small engine air tanker (SEAT). All of these fire support facilities are fully capable of initial attack on fires that are not obtainable by any roads. Again, as conditions become worse due to drying or multiple fires, these organizations can call in more support from other areas, even outside the state/region. Areas with road system access have all types of agency people and equipment available to them. The USFS has (4) engines and (1) 5-person hand crew working out of Tupper and (4) engines and (1) 5-person hand crew working out of Ukiah. The ODF has a total of 15 engines scattered throughout the area including two in Heppner, two in Monument, two in Fossil. Morrow County, DOD Navy, and Area 9 Fire Defense Board have several engines along with personnel and heavy equipment scattered about the county for fire suppression.

There is also a very large work force in the contracting arena that can be called upon. Contracting equipment consists of dozers, lowboys, water tenders, engines and 20 person crews, and personnel with specialized talents.

If a fire goes beyond the initial attack capabilities of the local resources there are special groups that can be ordered to take over the suppression responsibilities. These are known as Incident Management

Teams, and have the ability to set up and do all the functions needed to suppress the fire in a more or less self-sufficient manner.

Central Oregon IMT, Blue Mountain IMT, Oregon Department of Forestry IMT's and Pacific Northwest National IMT's are all partially staffed by local agency personnel.

If the fire is large enough it would strip the county of all its capable initial attack resources and leave the area vulnerable to new starts. The Incident Management Team will set up a small city type camp with the capabilities of feeding and housing hundreds of resources. The "Team" supports the crews with equipment and supplies to safely suppress the fire. The important factor is the team uses outside agency help and contractors so local forces can be released back to their regular initial attack duties.

Conflagration Act

In the event a large amount of structures are threatened by a Wildland fire in an area protected by a city or rural fire department, the Area 9 Fire Defense Board Chief can request of the Oregon State Fire Marshall to request the Governor to declare an emergency and evoke the Conflagration Act mobilization. In area outside of city and rural fire departments, the County Court can request of the Governor to declare an emergency and evoke the Conflagration Act mobilization. This will make available structural resources along with Structural IMT's through the Oregon State Fire Marshal's office immediately to protect those structures.

Structures

The (2) city fire departments and the (5) rural departments are the organizations properly trained to do structure fire fighting. Although ODF, USFS and BLM personnel are not trained, equipped, or organized to fight structure fires, they will assist the fire departments in protecting exposures and surrounding vegetation by cleaning around houses, setting up pumps and locating and constructing fire lines. The county has the following list of current fire departments:

AGENCY
Heppner City FD
Lexington City FD
Heppner Rural Fire District
Ione Rural Fire District
Boardman Rural Fire District
Irrigon Rural Fire District
Pilot Rock Rural Fire District
S. Gilliam Rural Fire District

CHAPTER 5: Monitoring and Evaluation

Assessing Benefits and Costs of Mitigation

Many federal grant programs require benefit/cost analysis of proposed actions. This ensures that the investment will yield greater benefits than the investment costs. The benefits of planning, mitigation and preparedness for wildland fire, however, can be difficult to quantify. It can be difficult to put a monetary number to the value of human, environmental, cultural and other social resources.

The Morrow County LCG emphasizes developing priorities of action for hazardous fuels treatment, education, emergency management and biomass utilization. The process to develop these priorities has included a technical risk assessment and collection of community input on values. The plan also takes into consideration the fact that low-income, elderly, disabled and other citizens with special needs may require extra assistance or resources to take fire protection actions. All of these values should be considered in developing priorities and assessing the costs and benefits of projects.

When applying for grants that require benefit/cost analysis, there are resources available through FEMA and other agencies that can assist in quantifying these costs and benefits.

Plan Oversight

The primary objective of the Local Coordinating Group is to provide guidance for all elements of planning and implementation of the Morrow County Community Wildfire Protection Plan. The Local Coordinating Group will continue to provide oversight through review of the plan and meetings with the local agencies and interested parties.

Monitoring

The purpose of this monitoring strategy is to track implementation of activities and evaluate how well the goals of the **MCCWPP** are being met over time. Monitoring measures progress over time so that we can understand how well our objectives are being met. The data we gather will provide in status and trends of the **MCCWPP**.

The following are the types of monitoring:

- Implementation Monitoring: Did you do what you said you would do?
- Effectiveness Monitoring: Did treatments meet objectives?
- Verification Monitoring: Evaluates whether our objectives helped to meet broad **MCCWPP** goals. Did our actions lead to the outcomes we expected?

Each functional element of the Morrow County Community Wildfire Protection Plan (risk assessment, fuels reduction, emergency management, and education and outreach) provides monitoring tasks for recommended action items. Table 5.1 provides a summary of monitoring task for each of these functional areas that the LCG will conduct.

Table 5.1 CWPP Summary of Monitoring Tasks

Objective	Monitoring Tasks	Timeline
Risk Assessment	<p>Continue to use reliable and usable data that is compatible among the various partner agencies.</p> <p>Monitor changes in the Federal WUI boundaries.</p> <p>Update risk assessment with new data or changing conditions.</p> <p>Continue to reflect community input from meetings as a risk assessment.</p> <p>Inventory private, county, state and federal existing and planned fuels projects.</p> <p>Once this plan has been completed, monitor acres treated, location and relative risk rating annually.</p>	Annually
Fuels Reduction	<p>Identify and prioritize fuels treatment projects on an annual basis.</p> <p>Track grants and utilize risk assessment data in new applications.</p> <p>Track fuels reduction grants and defensible space projects occurring on homes of citizens with special needs.</p> <p>Document number of residents that maintain treatment</p> <p>Monitor number of evacuation corridors/roads treated for fire protection on county, private, state and federal roads.</p> <p>Track education programs and document how well they integrate fuels objectives.</p> <p>Track grant dollars and projects directed to citizens with special needs.</p>	<p>Annual</p> <p>Ongoing Annual</p> <p>Every 3 years</p> <p>Annual</p> <p>Annual</p>
Emergency Management	<p>Review emergency management policies and procedures.</p> <p>Update map illustrating arterial routes and shelter sites.</p> <p>Review evacuation procedures with the County Fire Defense Board.</p>	Annually
Information and Outreach	<p>Evaluate techniques used to mobilize and educate citizens.</p> <p>Report on techniques and lessons learned.</p> <p>Review materials available in the clearinghouse.</p> <p>Random sample of “certified” homes to measure whether or not they continue to meet standards.</p> <p>Evaluate responsiveness of citizens to campaign materials (use the annual BCC survey – are you familiar with the “Are you prepared” campaign?).</p> <p>Evaluate # and type of fire education programs delivered to youth.</p> <p>Monitor interest and actions by the Insurance industry.</p>	<p>Annual review</p> <p>Annual review</p> <p>Bi-Annual</p> <p>Annual Eval</p> <p>Every 3 yrs</p> <p>Annual review</p>

CHAPTER 6 Action Plan

This chapter describes the Communities-at-Risk and Infrastructure-at-Risk along with the actions identified by the Local Coordinating Group to implement the Morrow County Community Wildfire Protection Plan. The action plan in this chapter will be updated by the LCG twice annually upon notification by the Oregon Department of Forestry to the other members of the LCG.

Table 6.1 Communities-at-Risk Matrix

(Using the definitions and criteria from the Federal Register Vol 66, August 2001.)

Community	Listed on Federal Register	Interface Category	Risk Factor 1 Fire Behavior Potential	Risk Factor 2 Value at Risk	Risk Factor 3 Infra-structure	Composite Risk Priority
Blake's Addition	Yes	2	1	1	1	Extreme
Cutsforth Park	Yes	2	1	2	1	High/Extreme
Irrigon	No	2	3	1	3	Low/Moderate
Boardman	No	2	3	1	3	Low/Moderate
Heppner	No	1	2	1	3	Low/Moderate
Ione	No	1	2	1	3	Low/Moderate
Lake Penland	Yes	2	1	1	1	Extreme
Lexington	No	1	2	1	3	Low/Moderate
Morrow CO OHV Park	No	NA	1	2	2	High
Anson Wright Park/ Reeds Mill	No	NA	1	2	2	High
DOD Boardman Range	No	NA	2	2	2	Moderate
Hardman	No	2	3	2	2	Moderate
Tupper G.S.	No	NA	1	2	2	High

Risk Factor 1: Fire Behavior Potential

Situation 1: In these communities, continuous fuels are in close proximity to structures. The composition of surrounding fuels is conducive to crown fires or high intensity surface fires. There are steep slopes, predominantly south aspects, dense fuels, heavy duff, prevailing wind exposure and/or ladder fuels that reduce fire fighting effectiveness. There is a history of large fires and/or high fire occurrence.

Situation 2: In these communities, there are moderate slopes, broken moderate fuels, and some ladder fuels. The composition of surrounding fuels is conducive to torching and spotting. These conditions may lead to moderate fire fighting effectiveness. There is a history of some large fires and/or moderate fire occurrence.

Situation 3: In these communities, grass and/or sparse fuels surround structures. There is infrequent wind exposure, flat terrain with little slope and/or predominantly a north aspect. There is no large fire history and/or low fire occurrence. Fire fighting generally is highly effective.

Risk Factor 2: Values at Risk

Situation 1: This situation most closely represents a community in an urban interface setting. The setting contains a high density of homes, businesses, and other facilities that continue across the interface. There is a lack of defensible space where personnel can safely work to provide protection. The community watershed for municipal water is at high risk of being burned compared to other watersheds within that geographic region. There is a high potential for economic loss to the community and likely loss of housing units and/or businesses. There are unique cultural, historical or natural heritage values at risk.

Situation 2: This situation represents an intermix or occluded setting, with scattered areas of high-density homes, summer homes, youth camps, or campgrounds that are less than a mile apart. This situation would cover the presence of lands at risk that are described under State designations such as impaired watersheds, or scenic byways. There is a risk of erosion or flooding in the community if vegetation burns.

Risk Factor 3: Infrastructure

Situation 1: In these communities, there are narrow dead end roads, steep grades, one way in and/or out routes, no or minimal fire fighting capacity, no fire hydrants, no surface water, no pressure water systems, no emergency operations group, and no evacuation plan in an area surrounded by a fire-conductive landscape.

Situation 2: In these communities, there are limited access routes, moderate grades, limited water supply, and limited fire fighting capability in an area surrounded by a scattered fire conductive landscape.

Situation 3: In these communities, there are multiple entrances and exits that are well equipped for fire trucks, wide loop roads, fire hydrants, open water sources (pools, creeks, and lakes), an active emergency operations group, and an evacuation plan in place in an area surrounded by a fireproof landscape. The Secretaries will work collaboratively with States, Tribes, local communities, and other interested parties to develop a ranking process to focus fuel reduction activities by identifying communities most at risk. Public input is welcome on the form a ranking system should take, as is input on measures that may be useful to assess the impacts of fuels treatment projects.

In Morrow County, there is some critical infrastructure that provides to the viability of the county but couldn't be classified as a community or part of one either. The MCCWPP LCG decided the infrastructure was important enough to the County that it should be listed in this plan in table 6.2. The same risk factor definitions as used in Table 6.1 were used in Table 6.2 but instead of communities it was infrastructure.

Table 6.2 Infrastructure-at-Risk Matrix

Infrastructure	Risk Factor Fire Behavior Potential	Risk Factor Value at Risk	Risk Factor Infrastructure	Composite Risk Priority
Wind farm	3	2	2	Low/Moderate
Race Track	3	2	2	Low/Moderate
Poplar Plantations	3	2	2	Low/Moderate
Nature Conservancy	2	2	2	Moderate
PGE Coal Fire Plant	3	2	2	Low/Moderate
Willow Cr. Dam	A large catastrophic fire were to occur in the watershed above the dam, there could be large silt deposits against the dam reducing its' ability to function properly			
Heppner City Watershed	A large fire in the forested watershed for the city of Heppner could have detrimental effects on the quality of water being supplied to the City's residents			

The transportation system in Morrow County has lots of variance in quality. Interstate 84, four lane freeway, bisects the north end of the county west to east while throughout the county there are two lane paved roads/highways connecting communities along with single lane paved roads and maintained gravel roads connecting homesteads to the paved roads/highways. In the more remote areas of the county, mostly on the south end, there are single lane gravel and native surface roads that are frequently used, some of which are maintained year round while others are only maintained seasonally or not at all. Throughout the county there is risk of wildfire and a need for well maintained and identified transportation routes to evacuate communities in a timely manner. Table 6.3 lists the evacuation routes for Morrow County communities and the improvements that are needed to make them reliable when in need.

Table 6.3 Evacuation Routes

Road #	Road Name	Approx. Miles	Road Description	Road Improvements
670	Sunflower Flat Rd	10.3	Highway 207 to county line.	Pave 10.3 miles.
847	East of Morphine Ln (seasonal)	10.86	Highway 207 to Tupper lane.	Add 3" lift of gravel.
673	Tupper Ln (seasonal)	3.7	Sunflower Flat road to East of Morphine lane.	Clean ditches; add 3" lift of gravel.
703	Board Creek Rd	3.5	Sunflower Flat road to USFS road #033.	Clean ditches as needed.
697	Road Canyon Rd (seasonal)	9.2	Upper Rhea Creek road to USFS road #033.	Add 3" lift of gravel; add culverts as needed and clean ditches.
ODOT	Hwy 207	7	East of Morphine lane- North	
608	Upper Rhea Creek (1.5 miles is a road closure)	24.4	Highway 207 to coalmine Hill/Ditch Creek road.	Open 1.5 mile section of road closure by county court order; add 3" lift of gravel.
799	Ritter Rd (USFS 2104) (seasonal)	10.05	Coalmine Hill/Ditch Creek road to county line.	Add 6" lift of gravel over south 1.5 miles that is currently base rock and dirt.
849	Penland Ln (seasonal)	4.42	Coalmine Hill/Ditch creek road to USFS road #5321.	
USFS 5321	USFS 5321 (seasonal)	3	Penland lane to USFS road #53	
603	Coalmine Hill/Ditch Creek (seasonal)	6.19	Cutsforth park to Ritter road (USFS road #2104)	
678	Willow Creek Rd	20.65	Highway 207 to Cutsforth Park.	
684	Blake Ranch Rd (part seasonal)	6.9	Willow Creek road to Little Butter Creek road.	Add 3" lift of gravel and widen in a few places, add culverts as needed.
USFS 5300	Western Route Rd (seasonal)	23	Coalmine Hill/Ditch creek road to Ukiah.	

798	Shaw Grade (seasonal)	4.25	Willow Creek road to Arbuckle Mountain road.	Add 3" lift of gravel. Rock has been crushed, will put in place summer 2006
793	Little Butter Creek (part seasonal)	10	Highway 74 to Shaw Grade road.	Add 3" lift of gravel to 4.5 mile section, add base rock and gravel to 5.5 mile sec
USFS 5326	USFS road # 5326 (seasonal)	4	Arbuckle Mountain road to USFS road #53	
789	Hanna Arbuckle Rd (part seasonal- 4.49 miles)	9.81	Highway 74 to Blake Ranch road.	Add 3" lift of gravel and improve drainage on 4.49 mile section.
809	Ella Rd	8.8	Immigrant lane to Highway 74.	Widen and pave length restrictive corners (2.5 miles)
596	Tower Rd (south 1.5 miles is PGE private road)	10	I-84 to PGE Coal fire plant.	Chip seal south 2.5 miles
598	Kunze Ln	5.25	Tower road to south main street in Boardman.	Will be reconstructed in 2007-2008
584	South Main (Boardman)	1.2	I-84 to Kunze lane.	Will be reconstructed in 2007-2008
ODOT	I-84	8.5	Tower road to Highway 730	
ODOT	Hwy 730	10	I-84 to county line.	
930	Patterson Ferry Rd	5	Frontage lane to Columbia lane.	
728	Frontage Ln	1	I-84 to Poleline road.	
905	Poleline Rd	5	Frontage lane to Homestead lane.	Pave with hot mix.
559	Homestead Ln	4	Bombing Range road to Poleline road.	Pave with hot mix.
490	Bombing Range (N)	10.5	Highway 730 to Finley Butte landfill road.(Finley butte maintenance section)	Pave with hot mix.
759	Bombing Range (S)	9	Finley Butte landfill road to Highway 207.	Pave south 2.5 miles with hot mix.
630	Juniper Ln	7.77	Bombing Range road to lone-Boardman road.	Widen and pave 3.5 miles on west end.
663	Wells Spring Rd	2.5	Immigrant lane to Juniper lane.	Add 3" lift of gravel, improve drainage.
550	Immigrant Ln	5.5	Wells Spring road to Ella road.	Add 3" lift of gravel.
638	lone-Boardman Rd	5.88	Juniper lane to Ella road.	Widen, improve drainage and pave with hot mix.

MORROW COUNTY COMMUNITY WILDFIRE PROTECTION PLAN ACTION PLAN & PRIORITIES

ACTIONS	PROJECTS	COMMUNITY	HAZARD RATING	PRIORITY	RESPONSIBLE AGENCY	YEAR 2006	YEAR 2007	YEAR 2008
FUEL HAZARD REDUCTION								
On Federal Lands	Black Mountain	Cutsforth Park Blake's Addition	Extreme	1	USFS	X	X	X
	Penland WUI	Penland Lake	Extreme	1	USFS	X	X	X
	Bombing Range Fuels Breaks	Bombing Range Boardman	Moderate	2	DOD	X	*	*
On Non-Federal Lands	Blake's Fuel Reduction	Blake's Addition Cutsforth Park Penland Lake	Extreme	1	ODF	X	*	*
	Reeds Mill Fuels Reduction	Reed's Mill Anson Wright Park	High	2	ODF	X	*	*
	OHV Park Fuels Reduction	OHV Park	High	2	ODF & County	*	*	*
	Water Source Development	Several Communities	High	1	ODF, Landowners, County	*	*	*
Defensible Space	Blake's Addition	Blake's Addition Cutsforth Park	Extreme	1	ODF & Landowners	X	*	*
	Penland Lake	Penland Lake	Extreme	1	ODF & Landowners	X	*	*
	Reeds Mill/ Anson Wright	Reeds Mill Anson Wright	High	2	ODF & Landowners	X	*	*
Safety Corridors	Sunflower Flat	Several Communities	High	2	ODF & FS	*	*	*

ACTIONS	PROJECTS	COMMUNITY	HAZARD RATING	PRIORITY	RESPONSIBLE AGENCY	YEAR 2006	YEAR 2007	YEAR 2008
	USFS 53 Rd	Several Communities	High	2	ODF & FS	*	*	*
SAFETY CORRIDORS	Willow Cr	Several Communities	High	2	ODF & FS	*	*	*
	Hwy 207	Several Communities	High	2	ODF & FS	*	*	*
	USFS 21 Rd	Several Communities	High	2	FS	*	*	*
STRATEGIC COMMUNITY FIRE BREAKS	See Safety Corridors above.					*	*	*
PUBLIC INFORMATION								
Signing	Fire Prevention Signing, seasonally as appropriate	All	n/a	1	All	#	#	#
Media Contacts		All	n/a	1	All	#	#	#
Grade School presentation		All	n/a	1	Fire Prevention Coop	#	#	#
Outdoor School presentations		All	n/a	1	All	#	#	#
Civic Group presentations		All	n/a	1	All	#	#	#
Landowner contacts		All	n/a	1	ODF, Comm. , Rural	#	#	#
Fair displays		All	n/a	1	Fire Prevention Coop	#	#	#
Fire Free training		All	n/a	1	Fire Prevention Coop	#	#	#
Fire Prevention Newspaper Insert		All	n/a	1	Fire Prevention	#	#	#

ACTIONS	PROJECTS	COMMUNITY	HAZARD RATING	PRIORITY	RESPONSIBLE AGENCY	YEAR 2006	YEAR 2007	YEAR 2008
					Coop			
STRUCTURE IGNITABILITY		All	n/a	1				
Burning Permits		All	n/a	1	ODF, City, Rural	#	#	#
Notifications of Operation		All	n/a	1	ODF	#	#	#
Building Permit Review		All	n/a	1	County Fire Chiefs	#	#	#
Permitting		All	n/a	1	County Planning	#	#	#
Enforcement		All	n/a	1	ODF, City, Rural, Sheriff, Fire Chief	#	#	#

X Funded

* Pending Funding

On going

Priorities: 1 (Highest), 2 (Moderate), 3 (Lower)

Appendix A

MCCWPP Local Coordination Group Participants

LCG Participants:

Terry Tallman; Morrow County Judge

Dustin Gustaveson; Oregon Department of Forestry

Dale Boyd; USFS Umatilla National Forest

Burke O'Brien; Morrow County Public Works

Sandi Putman; Morrow County Public Works

Jim Stearns; Area 9 Fire Defense Board Chief,

Representing the Oregon State Fire Marshall's Office

Casey Beard; Morrow County Emergency Management

Steve Rhea; Heppner Fire Department Assistant Chief

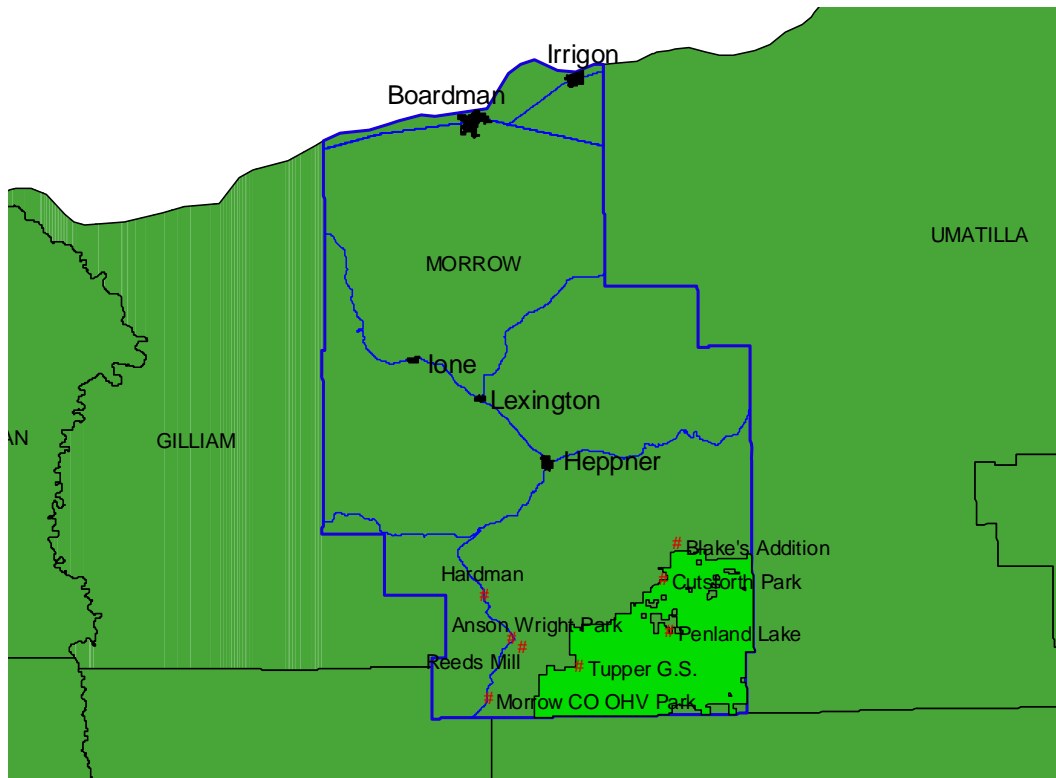
Richard Melaas; DOD Navy Whidbey Island

William McCaffrey; Oregon National Guard

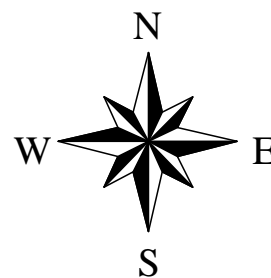
Appendix B

MAPS

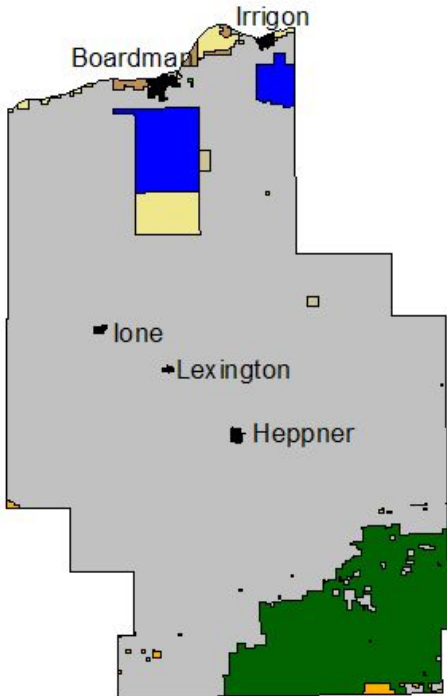
Morrow County Cities and Communities



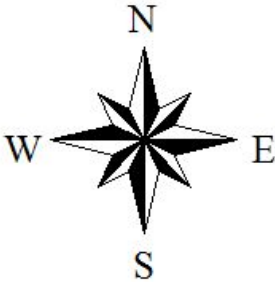
- # Communities
- Cities
- ▬ Highways
- USFS Umatilla NF
- ▭ Morrow County
- County.shp



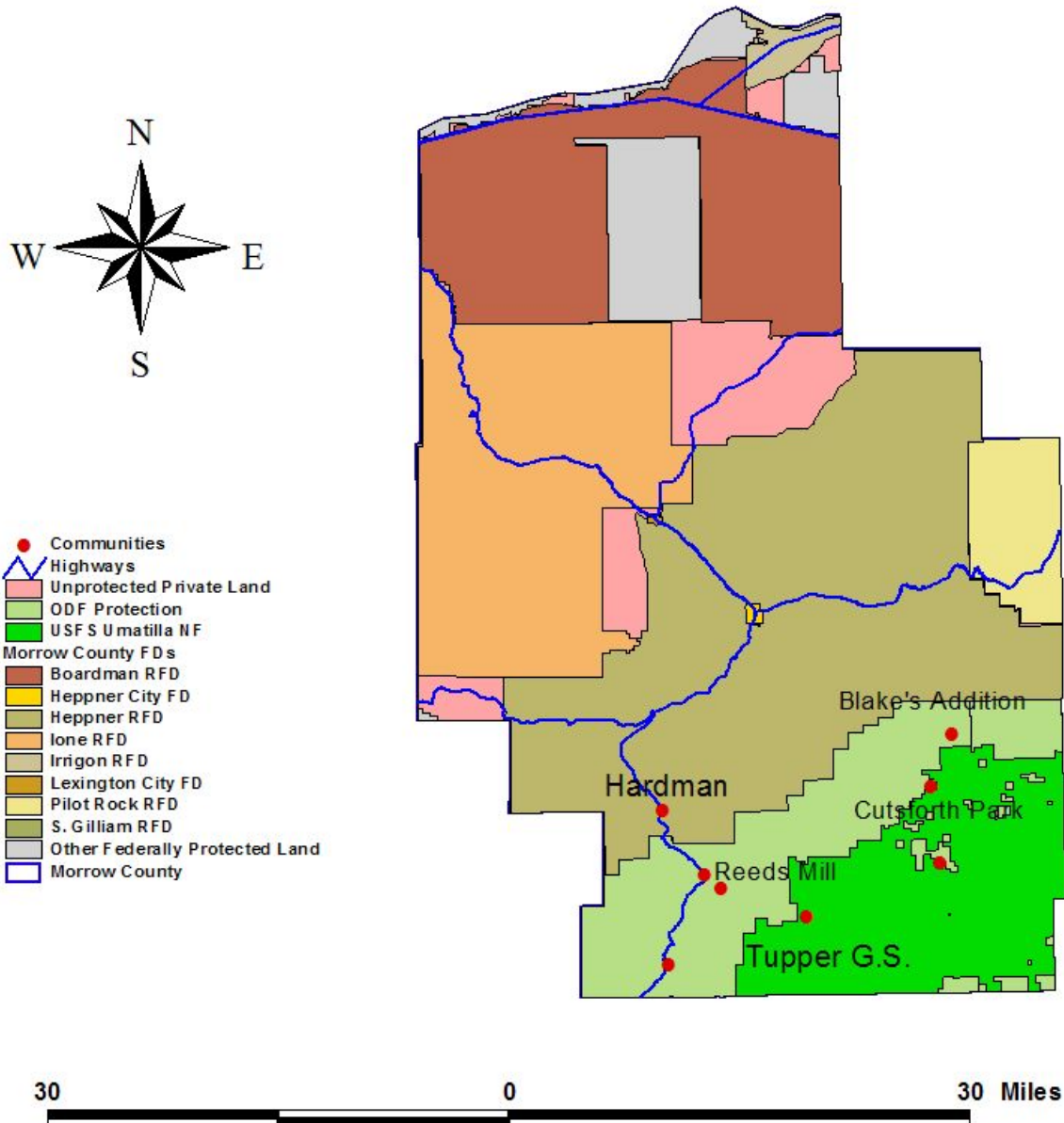
Morrow County Land Management



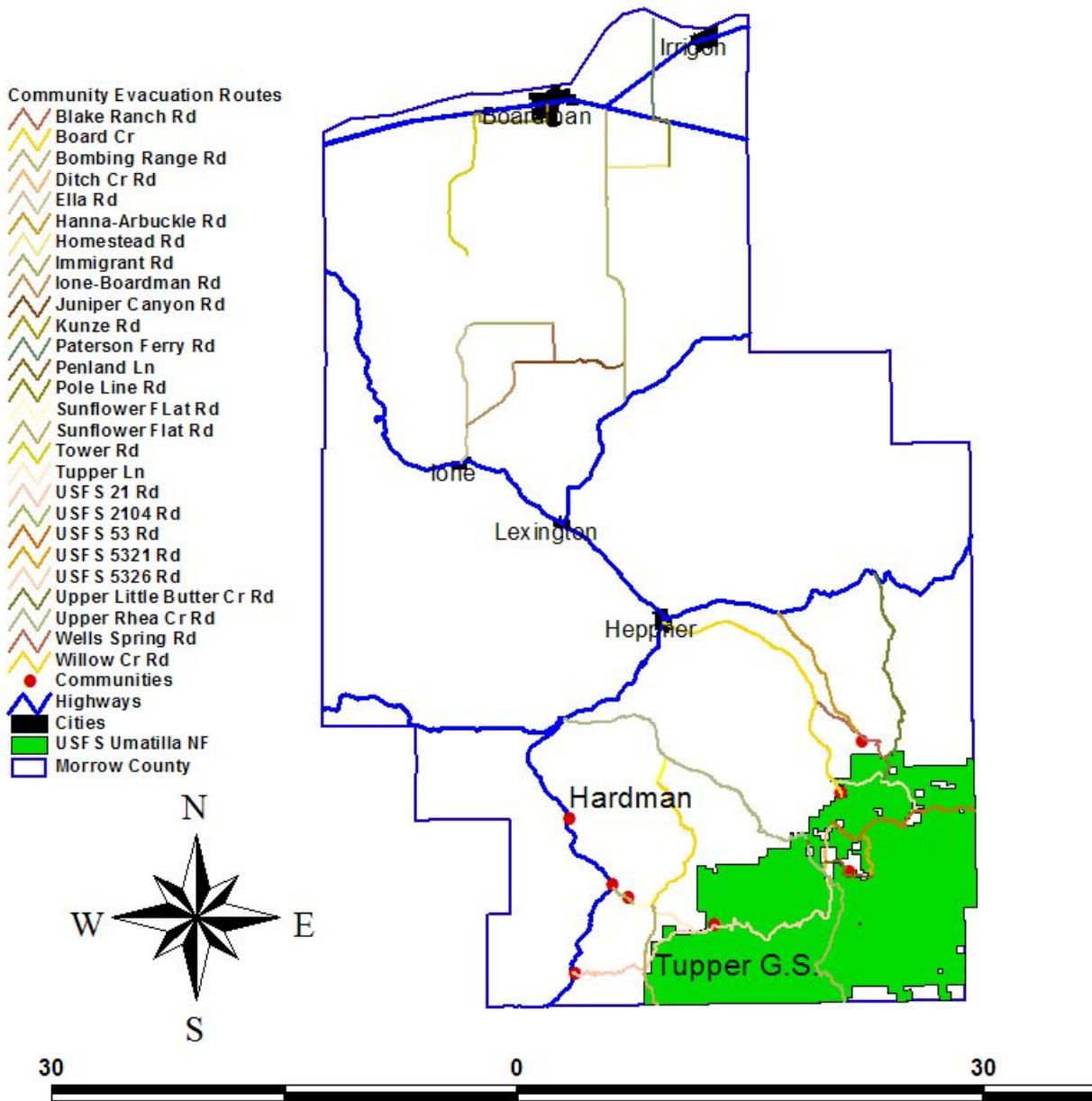
- Cities
- Land Management
- Bureau of Land Management
- Bureau of Reclamation
- Department of Defense
- Oregon Department of Fish and Wildlife
- Oregon Department of State Lands
- Private
- United States Corps of Engineers
- United States Department of Agriculture Forest Service
- United States Fish and Wildlife Service



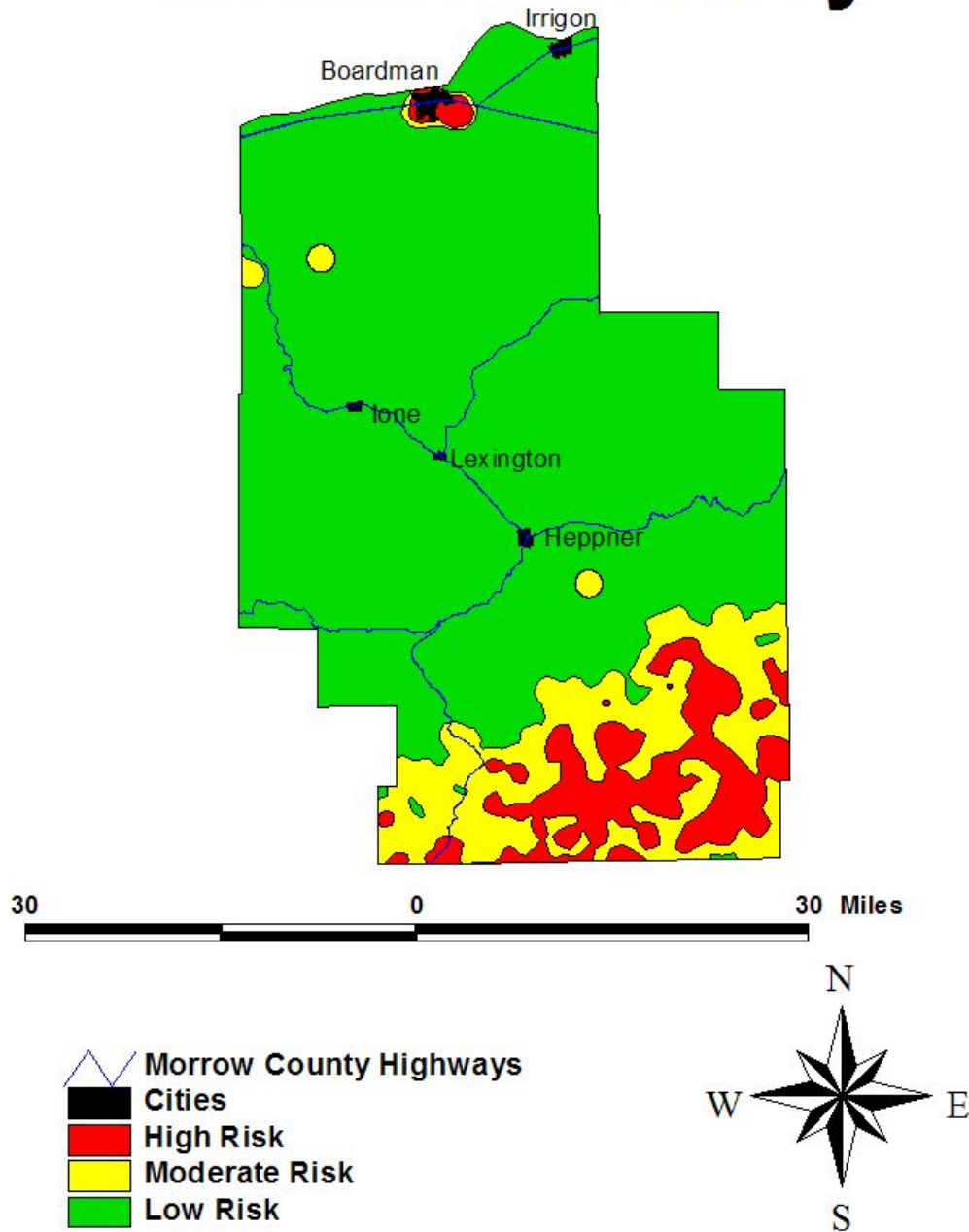
Morrow County Fire Protection



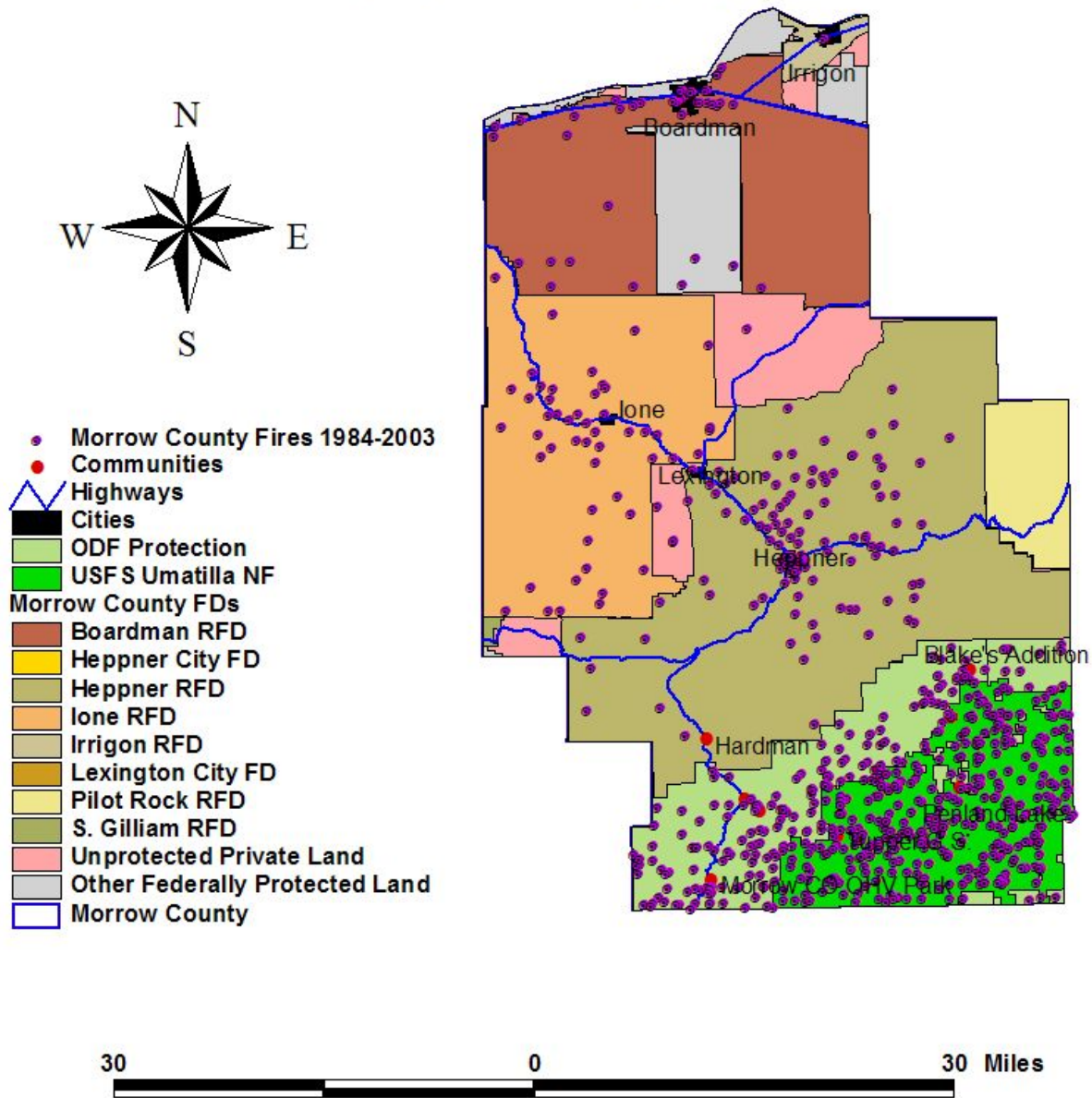
Morrow County Community Evacuation Routes



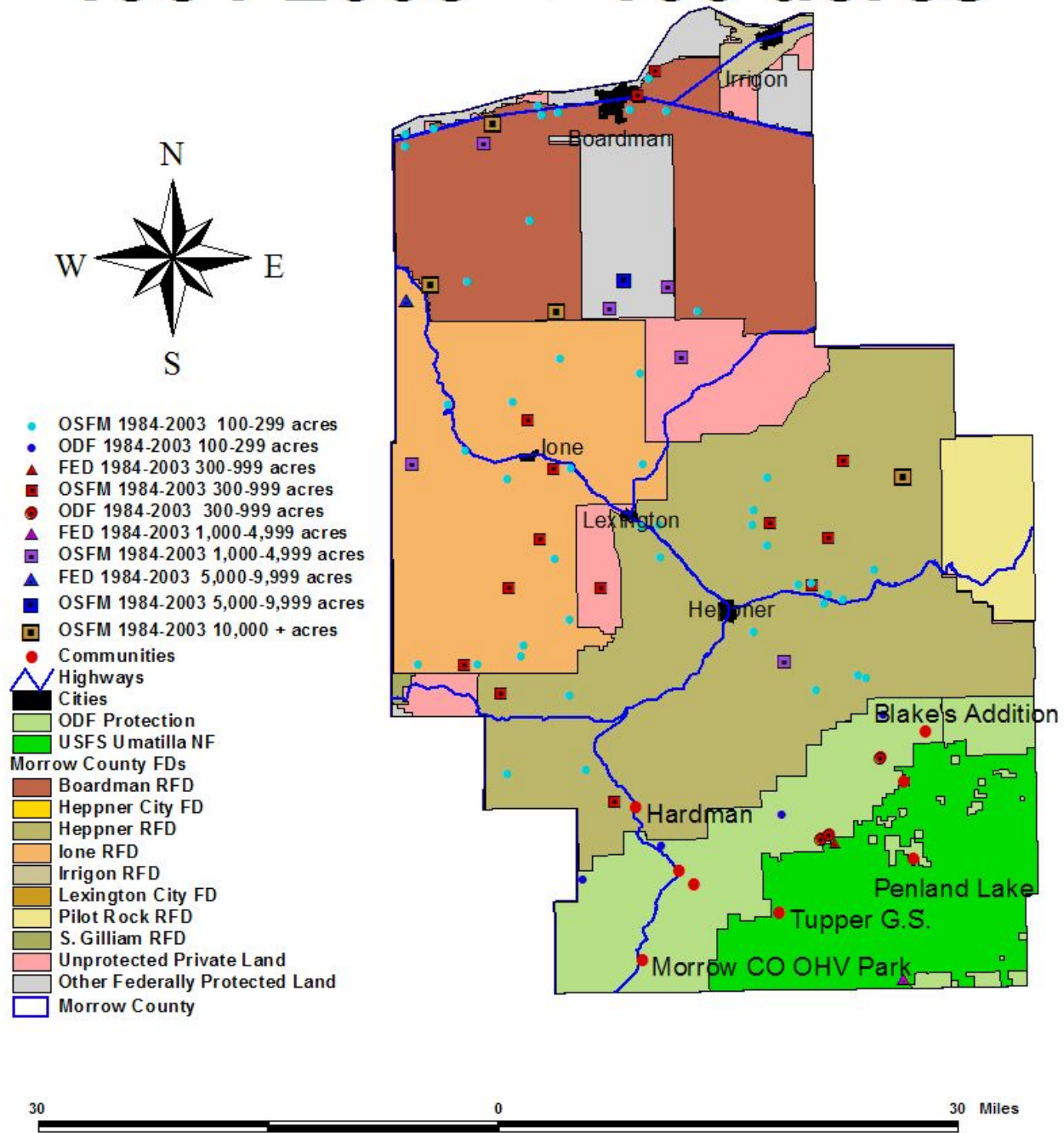
Risk of Fire Occurance in Morrow County

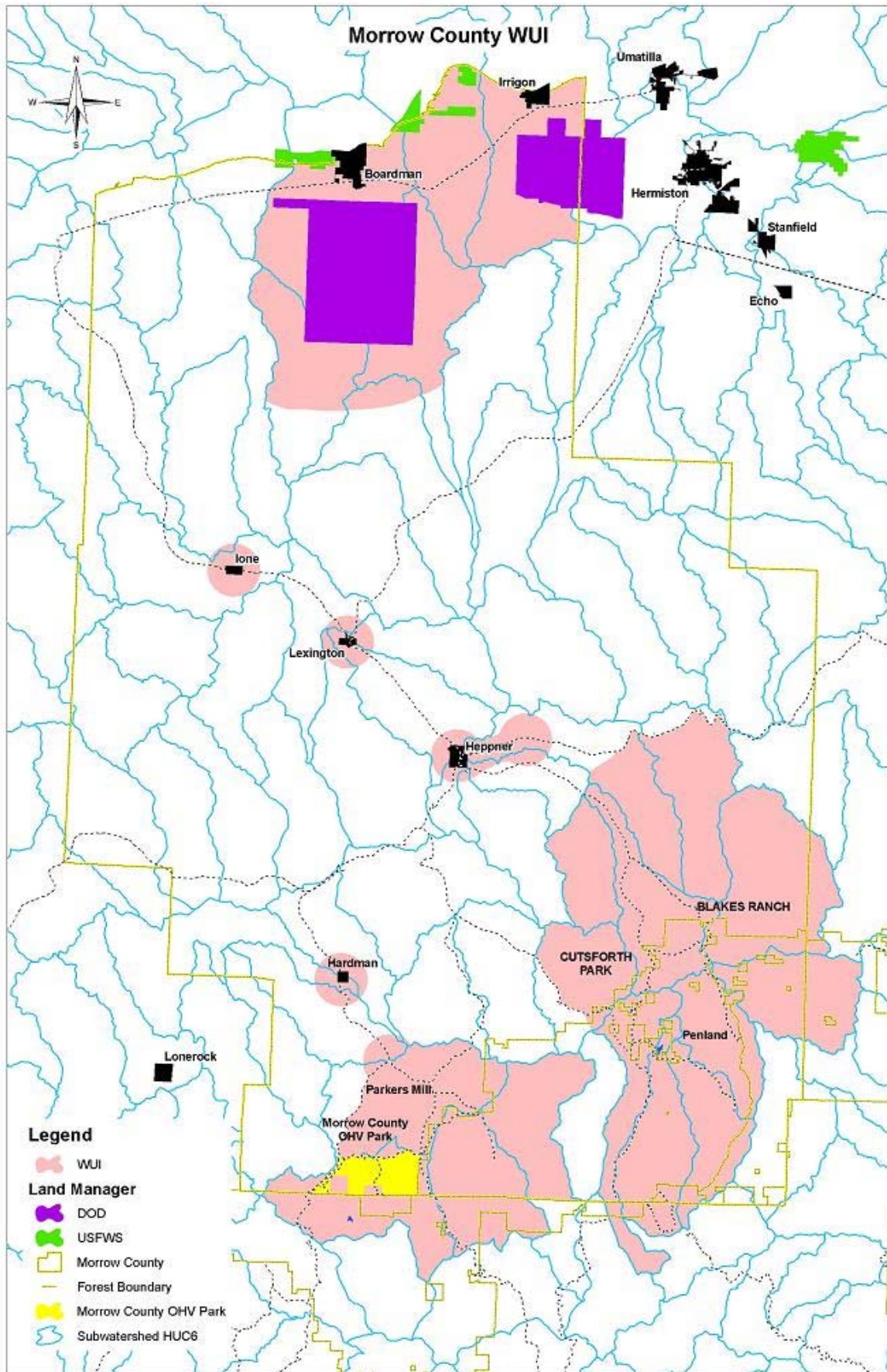


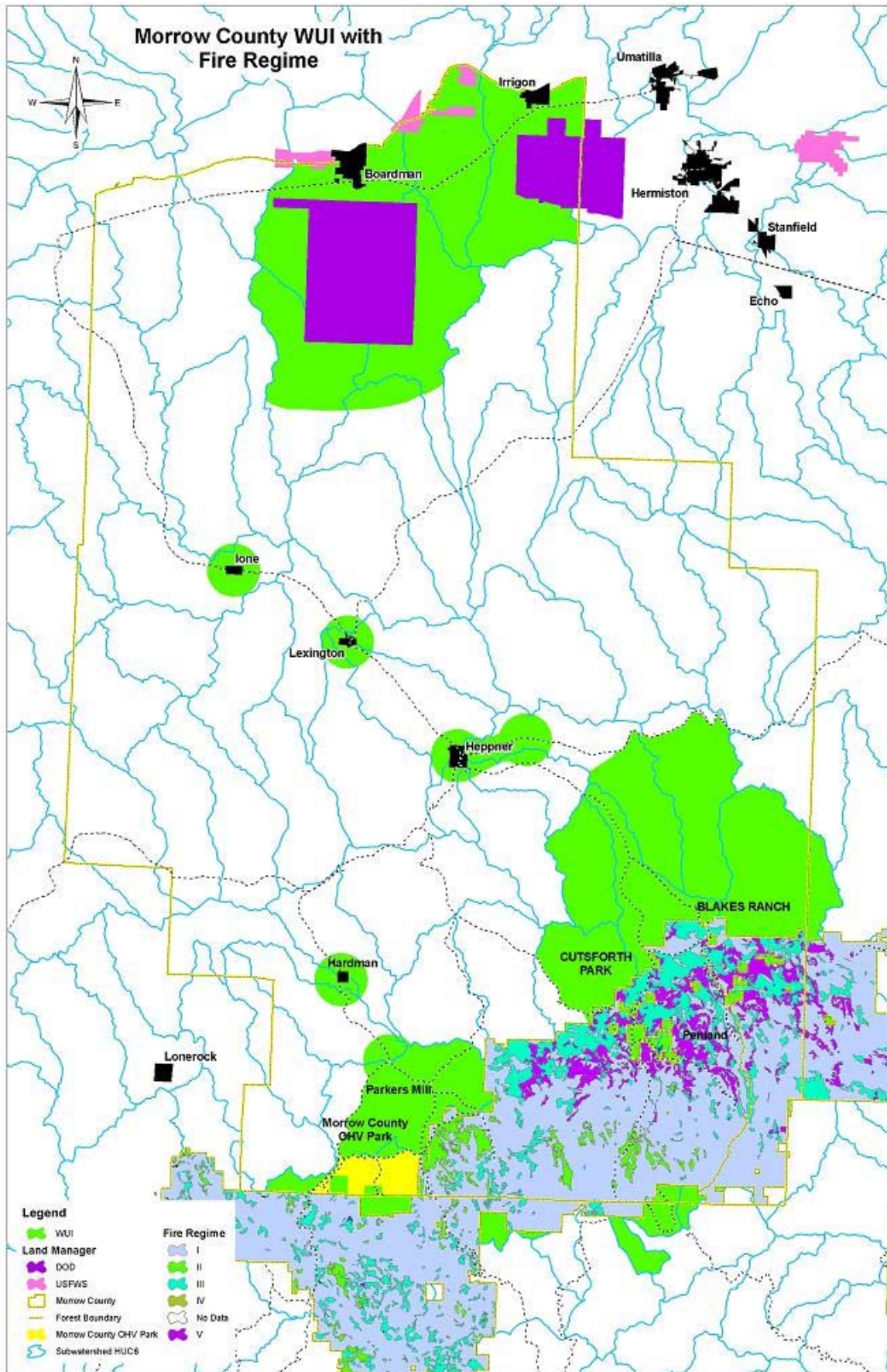
Historic Fires 1984-2003

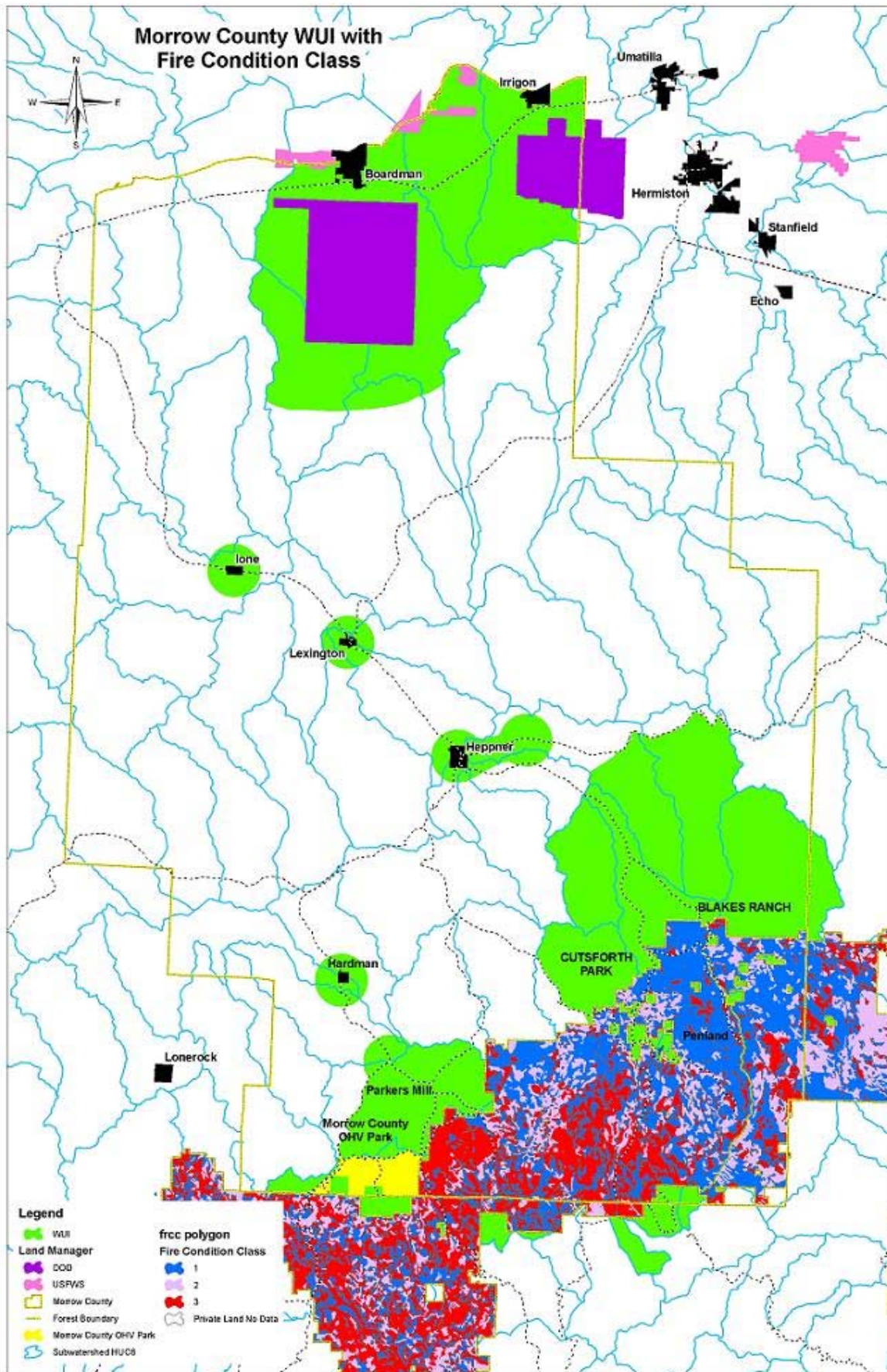


Historic Large Fires 1984-2003 >100 acres









Appendix C

Glossary

Glossary

Definitions and Policies - This section provides a summary of policies and definitions of Communities at Risk, wildland urban interface, and defensible space.

Wildfire Risk Assessment	
Policy/Source	Definition
Fire Plan	<p>Risk: the potential and frequency for wildfire ignitions (based on past occurrences)</p> <p>Hazard: the conditions that may contribute to wildfire (fuels, slope, aspect, elevation and weather)</p> <p>Values: the people, property, natural resources and other resources that could suffer losses in a wildfire event.</p> <p>Protection Capability: the ability to mitigate losses, prepare for, respond to and suppress wildland and structural fires.</p> <p>Structural Vulnerability: the elements that affect the level of exposure of the hazard to the structure (roof type and building materials, access to the structure, and whether or not there is defensible space or fuels reduction around the structure.)</p>
Communities at Risk	
Policy/Source	Definition
Healthy Forests Restoration Act	<p>Title I – Hazardous Fuel Reduction on Federal Land, SEC. 101. Definitions:</p> <p>(1) AT-RISK COMMUNITY.—The term “at-risk community” means an area—</p> <p>(A) that is comprised of— (i) an interface community as defined in the notice entitled “Wildland Urban Interface Communities Within the Vicinity of Federal Lands That Are at High Risk From Wildfire” issued by the Secretary of Agriculture and the Secretary of the Interior in accordance with title IV of the Department of the Interior and Related Agencies Appropriations Act, 2001 (114 Stat. 1009) (66 Fed. Reg. 753, January 4, 2001); or (ii) a group of homes and other structures with basic infrastructure and services within or adjacent to Federal land;</p> <p>(B) in which conditions are conducive to a large-scale wildland fire disturbance event;</p> <p>(C) for which a significant threat to human life or property exists as a result of a wildland fire disturbance event.</p>
National Association of State Foresters Identifying and Prioritizing Communities at Risk	<p>In June 2003, the National Association of State Foresters developed criteria for identifying and prioritizing communities at risk. Their purpose was to provide national, uniform guidance for implementing the provisions of the “Collaborative Fuels Treatment Program.” The intent was to establish broad, nationally compatible standards for identifying and prioritizing communities at risk, while allowing for maximum flexibility at the state and regional level.</p> <p>NASF defines ‘Community at Risk’ as “a group of people living in the same locality and under the same government” (<i>The American Heritage Dictionary of the English Language</i>, 1969). They also state that ‘a community is considered at risk from wildland fire if it lies within the wildland/urban interface as defined in the federal register (<i>FR Vol. 66, No. 3, Pages 751-154, January 4, 2001</i>).’</p> <p>NASF suggests identifying communities at risk on a state-by-state basis with the involvement of all organizations with wildland fire protection responsibilities (state, local, tribal, and federal) along with other interested cooperators, partners, and stakeholders. They suggest using the 2000 census data (or other suitable means) identify all communities in the state that are in the wildland urban interface and that</p>

	are at risk from wildland fire, regardless of their proximity to federal lands.
Federal Register /Vol.66, No.160 /Friday, August 17, 2001 /Notices	<p>In January 2001, then Agriculture Secretary Dan Glickman and Interior Secretary Bruce Babbitt released a proposed list of communities eligible for enhanced federal wildfire prevention assistance. The preliminary list of over 4000 communities included many that are near public lands managed by the federal government. The initial definition of urban wildland interface and the descriptive categories used in this notice are modified from “A Report to the Council of Western State Foresters—Fire in the West—The Wildland/Urban Interface Fire Problem” dated September 18, 2000. Under this definition, “the urban wildland interface community exists where humans and their development meet or intermix with wildland fuel.”</p> <p>There are three categories of communities that meet this description. Generally, the Federal agencies will focus on communities that are described under categories 1 and 2. For purposes of applying these categories and the subsequent criteria for evaluating risk to individual communities, a structure is understood to be either a residence or a business facility, including Federal, State, and local government facilities. Structures do not include small improvements such as fences and wildlife watering devices.</p> <p>Category 1. Interface Community: The Interface Community exists where structures directly abut wildland fuels. There is a clear line of demarcation between residential, business, and public structures and wildland fuels. Wildland fuels do not generally continue into the developed area. The development density for an interface community is usually 3 or more structures per acre, with shared municipal services. Fire protection is generally provided by a local government fire department with the responsibility to protect the structure from both an interior fire and an advancing wildland fire. An alternative definition of the interface community emphasizes a population density of 250 or more people per square mile.</p> <p>Category 2. Intermix Community: The Intermix Community exists where structures are scattered throughout a wildland area. There is no clear line of demarcation; wildland fuels are continuous outside of and within the developed area. The development density in the intermix ranges from structures very close together to one structure per 40 acres. Fire protection districts funded by various taxing authorities normally provide life and property fire protection and may also have wildland fire protection responsibilities. An alternative definition of intermix community emphasizes a population density of between 28–250 people per square mile.</p> <p>Category 3. Occluded Community: The Occluded Community generally exists in a situation, often within a city, where structures abut an island of wildland fuels (e.g., park or open space). There is a clear line of demarcation between structures and wildland fuels. The development density for an occluded community is usually similar to those found in the interface community, but the occluded area is usually less than 1,000 acres in size. Fire protection is normally provided by local government fire depts.</p>
A Definition of Community, James A. Kent / Kevin Preister	“A community is a geographic place that is characterized by natural systems such as watersheds, cultural attachment and human geographic boundaries. Physical, biological, social, cultural, and economic forces create natural boundaries that distinguish one community from another. The importance is in recognizing the unique beliefs, traditions, and stories that tie people to a specific place, to land and to social/kinship networks. It is a naturally defined human geographic area within

	<p>which humans and nature rely on shared resources. People from outside this place can effectively contribute to its stewardship by providing relevant information and/or participating through relating their own values associated with geographic place. Community is defined by the informal systems and to the degree the formal systems are tied to the informal it becomes part of a community definition. Both have a distinct function. Informal systems are horizontal. They maintain culture, take care of people and are concerned with survival. They thrive on openness, honesty, and the idea that people want to do what is right for each other and the broader society. Formal systems are vertical and they serve centralized political, ideological, and economic functions. They contribute resources and legal structure to community change. Formal meetings alone do not constitute community communication or decision making functions.” http://www.ntc.blm.gov/partner/community.html</p>
Firewise Definition of Community	<p>“According to Webster's dictionary, a community is ‘a body of people living in one place or district...and considered as a whole’ or ‘a group of people living together and having interests, work, etc. in common’. Homeowner associations and similar entities are the most appropriate venue for the Firewise Communities/USA recognition program. These smaller areas within the wildland/urban interface offer the best opportunities for active individual homeowner commitment and participation, which are vital to achieving and maintaining recognition status.” http://www.firewise.org/usa/</p>
Executive Order NO. 04-04 Oregon Office of Rural Policy and Rural Policy Advisory Committee	<p>Office of Rural Policy and Rural Policy Advisory Committee</p> <p><i>-Frontier Rural</i> – A geographic area that is at least 75 miles by road from a community of less than 2000 individuals. It is characterized by an absence of densely populated areas, small communities, individuals working in their communities, an economy dominated by natural resources and agricultural activities, and a few paved streets or roads.</p> <p><i>-Isolated Rural</i> – A geographic area that is at least 100 miles by road from a community of 3000 or more individuals. It is characterized by low population density (fewer than five people per square mile), an economy of natural resources and agricultural activity, large areas of land owned by the state or federal government and predominately unpaved streets.</p> <p><i>-Rural</i> – A geographic area that is at least 30 miles by road from an urban community (50,000 or more). It is characterized by some commercial business, two or fewer densely populated areas in a county, an economy changing from a natural resource base to more commercial interests and reasonable, but not immediate access to health care.</p> <p><i>-Urban Rural</i> – A geographic area that is at least 10 miles by road from an urban community. It is characterized by many individuals community to an urban area to work or shop, an economy with few natural resource and agricultural activities, easy and immediate access to health care services and numerous paved streets and roads.</p> <p>http://governor.oregon.gov/Gov/pdf/ExecutiveOrder04-04.pdf</p>
Wildland Urban Interface	
Policy/Source	Definition
Federal Register /Vol.66, No.160 /Friday, August 17,2001 /Notices	<p>The Federal Register states, "the urban-wildland interface community exists where humans and their development meet or intermix with wildland fuel." This definition is found in the Federal Register Vol.66, Thursday, January 4, 2001, Notices; and in "Fire in the West, the Wildland/Urban Interface Fire Problem", A Report for the Western States Fire Managers, September 18, 2000.</p>

10-Year Comprehensive Strategy	A Collaborative Approach for Reducing Wildland Fire Risks to Communities and the Environment: 10-Year Comprehensive Strategy (August 2001) “The line, area, or zone where structures and other human development meet or intermingle with undeveloped wildland or vegetative fuels” (Glossary of Wildland Fire Terminology, 1996). http://www.fireplan.gov/content/reports/?LanguageID=1
Senate Bill 360:	Senate Bill 360: Forestland Urban Interface Protection Act of 1997. Forestland Urban Interface 477.015 Definitions. (1) As used in ORS 477.015 to 477.061, unless the context otherwise requires, "forestland-urban interface" means a geographic area of forestland inside a forest protection district where there exists a concentration of structures in an urban or suburban setting.
NFPA 1144	NFPA 1144: Standard for Protection of Life and Property from Wildfire 2002 Edition Wildland/Urban Interface is an area where improved property and wildland fuels meet at a well-defined boundary. Wildland/urban intermix is an area where improved property and wildland fuels meet with no clearly defined boundary. http://www.nfpa.org/catalog/home/OnlineAccess/1144/1144.asp
Defensible/Survivable Space	
Policy/Source	Definition
Home Ignition Zones – “Wildland-Urban Fire—A different approach”	Recent research focuses on indications that the potential for home ignitions during wildfires including those of high intensity principally depends on a home’s fuel characteristics and the heat sources within 100-200 feet adjacent to a home (Cohen 1995; Cohen 2000; Cohen and Butler 1998). This relatively limited area that determines home ignition potential can be called the <i>home ignition zone</i> . http://firelab.org/fbp/fbresearch/wui/pubs.htm (Jack D. Cohen)
NFPA 1144	NFPA Publication 1411 defines defensible space as “An area as defined by the AHJ (typically with a width of 9.14 m (30 ft) or more) between an improved property and a potential wildland fire where combustible materials and vegetation have been removed or modified to reduce the potential for fire on improved property spreading to wildland fuels or to provide a safe working area for fire fighters protecting life and improved property from wildland fire.
OAR 629-044-1085: Fuel Break Requirements	(1) The purpose of a fuel break is to: (a) Slow the rate of spread and the intensity of an advancing wildfire; and (b) Create an area in which fire suppression operations may more safely occur. (2) A fuel break shall be a natural or a human-made area where material capable of allowing a wildfire to spread: (a) Does not exist; or (b) Has been cleared, modified, or treated in such a way that the rate of spread and the intensity of an advancing wildfire will be significantly reduced. (3) A primary fuel break shall be comprised of one or more of the following: (a) An area of substantially non-flammable ground cover. Examples include asphalt, bare soil, clover, concrete, green grass, ivy, mulches, rock, succulent ground cover, or wildflowers. (b) An area of dry grass which is maintained to an average height of less than four inches. (c) An area of cut grass, leaves, needles, twigs, and other similar flammable materials, provided such materials do not create a continuous fuel bed and are in compliance with the intent of subsections 1 and 2 of this rule. (d) An area of single specimens or isolated groupings of ornamental shrubbery, native trees, or other plants, provided they are: (A) Maintained in a green condition; (B) Maintained substantially free of dead plant material; (C) Maintained free of ladder fuel; (D) Arranged and maintained in such a way that minimizes the possibility a wildfire can spread to adjacent vegetation; and (E) In compliance with the intent of subsections (1) and (2) of this rule.

	<p>(4) A secondary fuel break shall be comprised of single specimens or isolated groupings of ornamental shrubbery, native trees, or other plants, provided they are: (a) Maintained in a green condition; (b) Maintained substantially free of dead plant material; (c) Maintained free of ladder fuel; (d) Arranged and maintained in such a way that minimizes the possibility a wildfire can spread to adjacent vegetation; and (e) In compliance with the intent of subsections 1 and 2 of this rule. http://arcweb.sos.state.or.us/rules/1102_Bulletin/1102_ch629_bulletin.html</p>																		
<p>Senate Bill 360: Forestland Urban Interface Protection Act of 1997. Fuel Break Distance</p>	<table border="1"> <thead> <tr> <th></th> <th colspan="2">Total Fuel Break Distance</th> </tr> <tr> <th><u>Classification</u></th> <th><u>Fire Resistant Roofing</u></th> <th><u>Non-Fire Resistant Roofing</u></th> </tr> </thead> <tbody> <tr> <td>LOW</td> <td>No Requirement</td> <td>No Requirement</td> </tr> <tr> <td>MODERATE</td> <td>30 feet</td> <td>30 feet</td> </tr> <tr> <td>HIGH</td> <td>30 feet</td> <td>50 feet</td> </tr> <tr> <td>Extreme & High Density Extreme</td> <td>50 feet</td> <td>100 feet</td> </tr> </tbody> </table>		Total Fuel Break Distance		<u>Classification</u>	<u>Fire Resistant Roofing</u>	<u>Non-Fire Resistant Roofing</u>	LOW	No Requirement	No Requirement	MODERATE	30 feet	30 feet	HIGH	30 feet	50 feet	Extreme & High Density Extreme	50 feet	100 feet
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<p>Is Your Home Protected from Wildfire Disaster? A Homeowner's Guide to Wildfire Retrofit, Institute for Business and Home Safety</p>	<p>A survivable space is an area of reduced fuels between your home and the untouched wildland. This provides enough distance between the home and a wildfire to ensure that the home can survive without extensive effort from either you or the fire department. One of the easiest ways to establish a survivable space is to use the zone concept.</p> <p>Zone 1: Establish a well-irrigated area around your home. In a low hazard area, it should extend a minimum of 30 feet from your home on all sides. As your hazard risk increases, a clearance of between 50 and 100 feet or more may be necessary, especially on any downhill sides of the lot. Plantings should be limited to carefully spaced indigenous species.</p> <p>Zone 2: Place low-growing plants, shrubs and carefully spaced trees in this area. Maintain a reduced amount of vegetation. Your irrigation system should also extend into this area. Trees should be at least 10 feet apart, and all dead or dying limbs should be trimmed. For trees taller than 18 feet, prune lower branches within six feet of the ground. No tree limbs should come within 10 feet of your home.</p> <p>Zone 3: This furthest zone from your home is a slightly modified natural area. Thin selected trees and remove highly flammable vegetation such as dead or dying trees and shrubs. How far Zones 2 and 3 extend depends upon your risk and your property's boundaries. In a low hazard area, these two zones should extend another 20 feet or so beyond the 30 feet in Zone 1. This creates a modified landscape of over 50 feet total. In a moderate hazard area, these two zones should extend at least another 50 feet beyond the 50 feet in Zone 1. This would create a modified landscape of over 100 feet total. In a high hazard area, these two zones should extend at least another 100 feet beyond the 100 feet in Zone 1. This would create a modified landscape of over 200 feet total. http://www.ibhs.org/publications/view.asp?id=130</p>																		
<p>Living with Fire: A Guide for the Homeowner</p>	<p>This guide, distributed in Oregon through the Pacific Northwest Wildfire Coordinating Group, provides information on creating effective defensible space and guidelines illustrated below.</p> <p style="text-align: center;">Defensible Space</p>																		

	Recommended Distances – Steepness of Slope-----		
	Flat to Gently Sloping 0 to 20%	Moderately Steep 21% to 40%	Very Steep 40+%
Grass: Wildland grasses (such as cheatgrass, weeds, and widely scattered shrubs with grass understory)	30 feet	100 feet	100 feet
Shrubs: Includes shrub dominant areas	100 feet	200 feet	200 feet
Trees: Includes forested areas. If substantial grass or shrub understory is present use those values shown above	30 feet	100 feet	200 feet
Fire Free	A buffer zone -- a minimum 30-foot fire-resistive area around a house that reduces the risk of a wildfire from starting or spreading to the home. Although a 30-foot distance is standard, additional clearance as great as 100 feet may be necessary as the slope of your lot increases. http://www.firefree.org/ffreenew/subpages/gitz.htm .		

Other Definitions

Crown Fire: Fire sustained in the over story or a surface fire with high fire line intensity leading to significant, scorch related over story death.

Fire breaks---Man made, which include defensible space through fuel reduction, roads and natural breaks such as creek beds, rock faces, etc.

Fuel loading: How much fuel is available to feed the fire? Other loading factors are size, compactness and fuel moisture.

Fuels: Fuel is that combustible material available to feed a fire. Fuel is classified by volume and type. Volume is described in terms of “fuel loading” or the amount of vegetative fuel. The type of fuel, trees. Brush, grass, etc.

Season Ending Event: The data of the weather event after which fires cease to pose a significant problem, in terms of spread, to fire managers.

Surface Fire: Burning with low intensity in the forest understory with occasional individual tree torching or scorches related mortality.

Topography: This is the overall layout of the land: steepness of slope and aspect.

Vehicle access: Is access in and out possible for the type of initial attack or protection vehicle needed including space for more than one vehicle, turn-around space, and appropriate bridges and gates capable of accommodating firefighting vehicles.

Water sources: Many rural residential areas lack large water storage or pumping facilities, putting a higher demand on firefighting resources which have large water tank capabilities.

Weather: Major concerns are: yearly moisture accumulations, humidity, wind, temperatures and lightning frequency/occurrence.

Acronyms

BLM: Bureau of Land Management

CFR: Code of Federal Regulations

CWPP: Community Wildfire Protection Plan (Healthy Forests Restoration Act)

DEQ: Department of Environmental Quality

DOI: Department of Interior

EPA: Environmental Protection Agency

FEMA: Federal Emergency Management Agency

FS: Forest Service

GIS: Geographic Information System

HFRA: Healthy Forest Restoration Act

HFI: Healthy Forest Initiative

HUC: Hydrologic Unit Code

ICS: Incident Command System

NFP: National Fire Plan and 10-Year Comprehensive Strategy

ODF: Oregon Department of Forestry

ODOT: Oregon Department of Transportation

OEM: Office of Emergency Management (State)

OSP: Oregon State Police

T & E: Threatened and Endangered Species

USDA: United States Department of Agriculture

USDI: United States Department of Interior

WFSA : Wildland Fire Situation Analysis

Appendix D

“Get in the Zone”

Fire Free Program

Ten Steps to “Get in the Zone!” – FireFree Program – <http://www.firefree.org>

1. Define your defensible space.

Defensible space is a buffer zone, a minimum 30-foot fire-resistive area around your house that reduces the risk of a wildfire from starting or spreading to your home. Formed by following the critical steps outlined below, defensible space depends on clearing flammable material away from your home and replacing it with fire-resistive vegetation. Although a 30-foot distance is standard, additional clearance as great as 100 feet may be necessary as the slope of your lot increases. Defensible space not only helps protect your home in the critical minutes it takes a fire to pass, it also gives firefighters an area to work in. During a large-scale fire, when many homes are at risk, firefighters must focus on homes they can safely defend.

2. Reduce flammable vegetation, trees and brush around your home.

When needed, replace flammable landscaping with fire-resistive counterparts. Choose plants with loose branch habits, non-resinous woody material, high moisture content in leaves, and little seasonal accumulation of dead vegetation. Ask your local home and garden center about which varieties possess these and other fire-resistive traits.

3. Remove or prune trees.

If you live in a wooded area, reduce the density of surrounding forest by removing or thinning overcrowded or small-diameter trees. Check with local agencies for guidelines on tree removal before clearing or thinning your property. Be sure to prune low-hanging branches to keep a ground fire from climbing into upper branches. Limbing up these "ladder fuels" cuts the chances of a ground fire climbing into tree canopies.

4. Cut grass and weeds regularly.

Fire spreads rapidly in dry grass and weeds. Mow grasses and other low vegetation and keep them well-watered, especially during periods of high fire danger.

5. Relocate wood piles and leftover building materials.

Stack all wood, building debris and other burnable materials at least 30 feet from your home and other buildings. Then clear away flammable vegetation within 10 feet of wood/debris piles as an additional safeguard against the spread of wildfire.

6. Keep it clean. (Your roof and yard, we mean!)

Clear pine needles, leaves and debris from your roof, gutters and yard to eliminate an ignition source for tinder-dry vegetation. Remove dead limbs and branches within 10 feet of your chimney and deck. Tidying-up is especially important during the hot, arid months of fire season when a single spark can lead to an inferno.

7. Signs, addresses and access.

Easy-to-read road signs and address numbers that are visible from the road allow firefighters to find your home quickly during a wildfire or other emergency. Safe, easy access to your property includes two-way roads that can accommodate emergency vehicles and give them space to turn around. Bridges should support the weight of emergency vehicles. Driveways should also be trimmed of peripheral vegetation to allow emergency equipment to reach your house. Contact your local fire agency for recommendations on access and signage.

8. Rate your roof.

Your roof is the most vulnerable part of your house in a wildfire. If you have a wood shake roof, consider treatment or replacement to make it more fire-resistive. If you have a fireplace or woodstove, install an approved spark arrestor on your chimney to prevent sparks from reaching

your roof or flammable vegetation.

9. Recycle yard debris and branches.

Check into alternative disposal methods like composting or recycling. Burning may be restricted or not allowed in your community, and should only be used as a last resort. Always contact your local fire agency for current burning regulations before striking a match!

10. What to do when a wildfire strikes.

Monitor your local radio and television stations for fire reports and evacuation procedures and centers. Keep an emergency checklist handy and prepare to evacuate if your neighborhood is threatened. Proper preparation includes closing all windows and doors, arranging garden hoses so they can reach any area of your house, and packing your car for quick departure.

Protecting Your Home from Wildland Fire

<http://www.nifc.gov/preved/protecthome.html>

Every year many families unnecessarily lose their homes and possessions to wildland fire. These losses can be minimized if homeowners take the time to become aware of safety measures to help protect their homes and complete some effective actions.

Use Fire Resistant Building Material - "The Best Thing That You Can Do"

The roof and exterior structure of your dwelling should be constructed of non-combustible or fire resistant materials such as fire resistant roofing materials, tile, slate, sheet iron, aluminum, brick, or stone. Wood siding, cedar shakes, exterior wood paneling, and other highly combustible materials should be treated with fire retardant chemicals.

Maintain a Survivable Space - "Things you can do today"

- Clean roof surfaces and gutters of pine needs, leaves, branches, etc., regularly to avoid accumulation of flammable materials.
- Remove portions of any tree extending within 10 feet of the flue opening of any stove or chimney.
- Maintain a screen constructed of non-flammable material over the flue opening of every chimney or stovepipe. Mesh openings of the screen should not exceed 1/2 inch.
- Landscape vegetation should be spaced so that fire can not be carried to the structure or surrounding vegetation.
- Remove branches from trees to height of 15 feet.
- A fuel break should be maintained around all structures.
- Dispose of stove or fireplace ashes and charcoal briquettes only after soaking them in a metal pail of water.
- Store gasoline in an approved safety can away from occupied buildings.
- Propane tanks should be far enough away from buildings for valves to be shut off in case of fire. Keep area clear of flammable vegetation.
- All combustibles such as firewood, picnic tables, boats, etc. should be kept away from structures.
- Garden hose should be connected to outlet.
- Addressing should be indicated at all intersections and on structures.
- All roads and driveways should be at least 16 feet in width.
- Have fire tools handy such as: ladder long enough to reach the roof, shovel, rake and bucket for water.
- Each home should have at least two different entrance and exit routes.

Appendix E

Incentive Programs

General Incentives Programs

The following information was summarized from "Incentive Programs for Resource Management and Conservation" (OSU Extension Publication #EC1119) and other sources. This lists the major incentive programs available to assist communities and landowners with the management of their communities. These programs are not limited to the issues of Communities at Risk and are able to provide similar types of cost share opportunities on private lands in all areas of Morrow County.

Many other programs exist in addition to those listed. There are specialized / targeted incentive programs (National Fire Plan, Blue Mt. / Pacific Coast Demonstration Projects, etc) are not covered in this general summary.

Major Incentive Programs available to Family Forestland Owners in Oregon:

>**Forest Stewardship Program (FSP)** --- cost shares consultant written / ODF approved stewardship plans -- apply with your local ODF Stewardship Forester using FLEP application form.

>**Forest Resource Trust (FRT)** --- loan / grant to cover costs (normally 100% of costs) to convert underproducing forest land or marginal agricultural land into conifer forest. Applies only to DF "high" Site 4 or better sites. Apply by completing FRT application form at local ODF offices.

>**Forest Land Enhancement Program (FLEP)** --- cost shares a variety of upland forestry practices (site prep, tree planting, non-commercial thinning, release, etc.) Apply with local ODF Stewardship Forester using FLEP application form.** Projects are funded from one "pot" of funds in Salem. Funds are allocated to applications that arrive in Salem on a first come, first served basis, by priority. Unused funds continually recycle back into the "pot" as projects are completed or cancelled. In addition, we anticipate that "new" funds will be made available to Oregon in late 2005.

>**Oregon 50% Underproducing Forest Land Conversion Tax Credit** -- state tax credit on cost of converting underproducing forestland (brush land and low value / low volume forest) to well stocked forest. Apply by completing tax credit form and submitting it to the local ODF Stewardship Forester. (The form is available on the ODF/Private & Community Forests web site or at the local ODF office.) The state tax credit is available to qualified landowners and projects on a continuous basis. Proposed projects should be pre-qualified by the local ODF Stewardship Forester.

>**Afforestation Incentive (OAR 629-611 Forest Practices Rules)** - Provides landowners an incentive to convert parcels of idle land or land in other uses to commercial forest use. Provides assurance that no state forest practices regulation will prohibit harvesting most of the planted timber established and grown as the first crop rotation. Contact the local ODF Stewardship Forester for more information.

>**Federal (10%) reforestation tax credit** --- federal tax credit on cost of most afforestation or reforestation projects is available for project work completed before October 22, 2004. For reforestation / afforestation work done after October 21, 2004, landowners can "deduct" a certain amount of project expenses. (Note: The 10% federal tax credit has been repealed but landowners will be able to deduct some reforestation / afforestation expenses going forward from now.) Landowners need to contact the IRS or their tax professional to get the required forms and properly utilize this incentive. Additional Information can be found at: www.timbertax.org

>**Environmental Quality Incentives Program (EQIP)** -- can cost share a wide variety of agricultural and forestry practices. However, availability of funding for upland forestry practices depends on a number of woodland owners applying for EQIP funding and actively participating in local EQIP working group. Apply for EQIP funds at local NRCS (Natural Resource Conservation Service) office.

>**Watershed Improvement Grants (OWEB)** --- cost shares riparian (usually near stream or in-stream) work - check with local watershed counsel and / or SWCD (Soil & Water Conservation District). Grant applications are available on-line at OWEB or at the local SWCD office.

>**Wildlife Habitat Incentives Program (WHIP)** -- cost shares a variety of wildlife enhancement practices which can include forest establishment and thinning for wildlife purposes. Apply with local NRCS office.

>**Conservation Reserve Program (CRP)** -- cost shares a variety of conservation practices on agricultural land including forest establishment and thinning. Pays rental on acres enrolled for ten to fifteen years. Apply at local FSA (Farm Services Agency) office. ***Funding is available.***

>**Conservation Reserve Enhancement Program (CREP)** -- cost shares primarily riparian and wet land improvement projects on agricultural land. Practices include riparian forest buffer establishment. Pays rental on acres enrolled for ten to fifteen years. Apply at local FSA office.

Community Fire Assistance

Volunteer Fire Assistance (VFA): Assistance to Volunteer Fire Departments for equipment & supplies. Contact the local ODF office.

Rural Fire Assistance (RFA): Assistance to Rural Fire organizations for equipment and supplies. Contact the local ODF office.

Federal Excess Personal Property program (FEPP): Provides federal excess equipment and supplies to city & rural fire departments for firefighting purposes. Contact the local ODF office.

Other Programs

Special funding for Insect & Disease control. The cost share amounts varies depending on the acreage owned. It varies from 33% to 50%, with the larger landowners being eligible for only 33% of the costs. Contact the local ODF office.

Title II, funding is available from the county court for projects to enhance forest objectives. Contact the County Court.

Additional Incentive Programs to assist Communities and Private Landowners

Cost Share Program	Objective	Contact Agency
Forest Stewardship Program (FSP)	Develop Stewardship/Management Plans for Private landowners	Oregon Department of Forestry
Forest Resource Trust (FRT)	Convert underproducing forestland or marginal agricultural land into conifer forest, high site 4 or better sites	Oregon Department of Forestry
Forest Land Enhancement Program (FLEP)	Cost share site prep, tree planting, non-commercial thinning, and release.	Oregon Department of Forestry
Oregon 50% Underproducing Forest Land Conversion Tax Credit	Convert underproducing forestland to well stocked forest.	Oregon Department of Forestry
Afforestation Incentive	Converts parcels of idle to commercial forest use.	Oregon Department of Forestry
Federal (10%) reforestation tax credit	Federal tax credit on cost of reforestation projects	IRS or tax professional
Environmental Quality Incentives Program (EQIP)	Wide variety of forestry practices	Natural Resource Conservation Service (NRCS)
Watershed Improvement Grants (OWEB)	Riparian work and protection of water quality which can include upland forestry work.	Soil Water Conservation District (SWCD)
Wildlife Habitat Incentives Program (WHIP)	Wildlife enhancement practices which can include forest establishment and thinning for wildlife.	Natural Resource Conservation Service (NRCS)
Conservation Reserve Program (CRP)	Conservation practices on agricultural land including forest establishment and thinning.	Farm Service Agency (FSA)
Conservation Reserve Enhancement Program (CREP)	Riparian improvement projects including forest buffer establishment.	Farm Service Agency (FSA)
Volunteer Fire Assistance (VFA)	Grant assistance to volunteer fire departments for equipment and supplies.	Oregon Department of Forestry
Rural Fire Assistance (RFA)	Grant assistance to city and rural fire departments in communities of less than 10,000 population for equipment and supplies.	Oregon Department of Forestry
Federal Excess Personal Property Program (FEPP)	Federal excess equipment and supplies to city and rural fire departments for firefighting purposes.	Oregon Department of Forestry
Special Insect & Disease Control	Cost share assistance to landowners to control insect and disease infestations.	Oregon Department of Forestry
Title II	Funding for forest health projects	County Government

The *minimum requirements* for a CWPP as described in the HFRA are:

- (1) **Collaboration:** A CWPP must be collaboratively developed by local and state government representatives, in consultation with federal agencies and other interested parties.
- (2) **Prioritized Fuel Reduction:** A CWPP must identify and prioritize areas for hazardous fuel reduction treatments and recommend the types and methods of treatment that will protect one or more at-risk communities and essential infrastructure.
- (3) **Treatment of Structural Ignitability:** A CWPP must recommend measures that homeowners and communities can take to reduce the ignitability of structures throughout the area addressed by the plan.