FIREWISE GOAL – Implement Firewise practices:

Encourage homeowners to reduce landscape and structural fuels to create their survivable space within a Wildland/Urban Interface environment in the event of a fire. Establish the Firewise Practices as listed below.

- **PROFESSIONALS' EDUCATIONAL OBJECTIVE: Educate Building and Landscaping Trade Professionals about Firewise Practices.**
- **PROPERTY OWNERS' EDUCATIONAL OBJECTIVE: Educate Property Owners about Firewise Practices.**
- **LANDSCAPING OBJECTIVE: Demonstrate Firewise landscaping.**
- **CONSTRUCTION OBJECTIVE: Demonstrate and promote Firewise construction materials.**
- **ACCESS OBJECTIVE: Explain the importance of access as it affects firefighter safety and property protection.**
- **WATER ISSUES OBJECTIVE: Establish sufficient water supplies for effective structural protection against wildland fires.**
- **SURROUNDING ENVIRONMENT OBJECTIVE: Explain location issues relative to how fire behaves around various natural resources and topographical features found in an Interface or Intermix setting.**
- **MOTIVATIONAL OBJECTIVE: Motivate Property Owners to Implement Firewise Practices.**
- **IMPLEMENTATION OBJECTIVE: Assist Property Owners in Implementing Firewise Practices.**

ACTION PLAN for FIREWISE GOAL - IMPLEMENT FIREWISE PRACTICES								
ACTION ITEMS	Description	Coordinating Agencies	Available Funding & all other Available Resources	Supplies Needed to Take Action & Complete Action	Anticipated Achievement or Outcome	Social and Environment Benefits	Milestones	Timeline
PROFESSIONALS' EDUCATIONAL Objective:	**Educate building and landscape trade professionals about Firewise practices.**							
Professional Participation Action Item	Incorporate professional opinions for accomplishing mitigation tasks.	Local fire agencies, architectural, building and landscape professionals	Fire Mitigation Funding	Class room materials, power point presentations, DVDs, Videos, Brochures	Education and Awareness for Professionals regarding Firewise Practices	Improved professional assistance to property owners for fire prevention	Organize training sessions for building, architectural and landscape installation professionals	Mar-05
Ignition Action Item	Ignite fuels found around homes to demonstrate combustibility.	Local and Federal Fire Agencies and Building, Architectural and Landscaping Professionals	Fire Mitigation Funding	Demonstration Fuels and ignition materials	Clear understanding of the combustibility of various building and landscaping materials	New desire by professionals to use less combustible building and landscaping materials	Organize an ignition and combustion demonstration for professionals	Apr-05
"How-to…" Action Item	Show people in a how-to format what they can do to prevent home ignition.	Local and Federal Fire Agencies and Building, Architectural and Landscaping Professionals	Fire Mitigation Funding	Fuels Mitigation Tools, An exemplary site in need of mitigation	Clear understanding of the techniques available to reduce building and landscaping fuels around homes	New desire by professionals to work toward mitigating building and landscaping fuels around homes	Organize a fuels reduction demonstration at a site in need of fire mitigation	Apr-05
Compliance Action Item	Organize workshops with local professionals to increase understanding and application of current building and fire codes.	Local fire agencies, architectural, building and landscape professionals	Fire Mitigation Funding	Class room materials, power point presentations, DVDs, Videos, Sample Codes and Ordinances	Education and Awareness for Professionals regarding building and fire codes	Improved professional assistance to property owners for fire prevention	Organize code review sessions for building, architectural and landscape installation professionals	Feb-05

Firewise Materials Action Item	Work with local professionals to create lists of acceptable Firewise construction and landscaping materials.	Local fire agencies, architectural, building and landscape professionals	Fire Mitigation Funding	Power point presentations, DVDs, Videos, Sample Products, Informational Pamphlets	Education and Awareness for Professionals regarding building and landscaping material options and Firewise construction and installation methods	Improved professional assistance to property owners for fire prevention	Organize workshops for building, architectural and landscape installation professionals to review Firewise building materials and installation techniques	Apr-05
Website Action Item	Create a local web site as a community resource for showcasing exemplary Firewise projects, for disseminating Firewise information and for building Firewise Community.	Local Fire Agencies and Website Design Consultants	Fire Mitigation Funding	Computer system, Web Site and Sample Design Ideas from Existing Fire Prevention and Mitigation Web Links	Creation of a local Firewise and Fire Mitigation Web Site	Improved opportunities to inform the public regarding Firewise Practices and home fire prevention techniques	Review recommended links provided in the reference section of this Plan and Acquire the services of a Web Site Designer	Mar-05
PROPERTY OWNERS EDUCATIONAL Objective:	**Educate property owners about Firewise practices.**							
Grassroots Participation Action Item	Solicit Grassroots-level suggestions for mitigation task.	Local Fire Officials and Citizens	Fire Mitigation Funding	Class room materials, power point presentations, DVDs, Videos, Sample Codes and Ordinances	The creation of a core community group of Firewise advocates	Citizen involvement in promoting Firewise Practices for a fire safe community	Invite potential core group members to an introductory workshop	Mar-05
"How-to…" Action Item	Show people in a how-to format what they can do at their home to mitigate.	Local and Federal Fire Agencies and Citizens and Property Managers	Fire Mitigation Funding	Fuels Mitigation Tools, An exemplary site in need of mitigation	Clear understanding of the techniques available to reduce building and landscaping fuels around homes	New desire by citizens and property managers to work toward mitigating building and landscaping fuels around homes	Organize a fuels reduction demonstration at a site in need of fire mitigation	Apr-05

Plant Materials Action Item	Provide a list of fire resistive plant materials and Firewise design methods for installing plants around structures.	Local Fire Officials, Landscape Professionals and Citizens	Fire Mitigation Funding	Lists of Fire Resistive Plant Materials, Firewise Landscaping Videos/DVDs	New information on how to select and place plant materials to create a more Firewise landscape	Fire Resistive Landscapes	Collect and Compile Lists of Fire Resistive Plant Materials	Jan-05
Ignition Action Item	Ignite fuels found around homes to demonstrate combustibility.	Local and Federal Fire Agencies and Citizens and Property Managers	Fire Mitigation Funding	Demonstration Fuels and ignition materials	Clear understanding of the combustibility of various building and landscaping materials	New desire by citizens and property managers to use less combustible building and landscaping materials	Organize an ignition and combustion demonstration for private property owners and managers	Apr-05
Hazard Rating Action Item	Provide hazard ratings schedule for homeowners to rate their own homes.	Local and Federal Fire Agencies and Citizens and Property Managers	Fire Mitigation Funding	Hazard Rating Tools and a Demonstration site	An awareness by property owners of their Fire Hazard Rating	New desire by citizens and property managers to use less combustible building and landscaping materials	Select a Hazard Rating Tool for distribution to homeowners accompanied by fire agency contact information	Apr-05
Website Action Item	Create a local web site as a community resource for showcasing exemplary Firewise projects, for disseminating Firewise information and for building Firewise Community.	Local Fire Agencies and Website Design Consultants	Fire Mitigation Funding	Computer system, Web Site and Sample Design Ideas from Existing Fire Prevention and Mitigation Web Links	Creation of a local Firewise and Fire Mitigation Web Site	Improved opportunities to inform the public regarding Firewise Practices and home fire prevention techniques	Review recommended links provided in the reference section of this Plan and Acquire the services of a Web Site Designer	Mar-05
ACCESS Objective:	**Educate homeowners about the importance of a functional emergency access.**							
Premises Identification Action Item	Enforce proper-sized house numbers in contrasting colors.	Local Fire Agencies, area Planners and Property Owners and Managers	Local Fire Agency Budget, Road and Bridge Funding, Fire Mitigation Funding	Codes and Ordinances, maps showing road access, address numbers and road signs	Proper Premises identification for all private and business structures	Improved emergency response	Devise a countywide awareness program for the purpose of enhancing Proper Premises Identification	Dec-04

Emergency Access Action Item	Ensure proper design of access roadway to include roadway width, grade, length and all-weather surface.	Local Fire Agencies, area Planners and Design Professionals	Local Fire Agency Budget, Fire Mitigation Funding	Codes, Ordinances and Policies stating the requirements for emergency vehicle access	Adequate roadway access to all properties	Improved emergency response	Begin developing a countywide standard for roadway access	Dec-04
Fuels Treatment Action Item	Maintain clearance of fuels both overhead and along side access roadways.	Local Fire Agencies, Road and Bridge Departments, and Property Owners	Local Fire Agency Budget, Road and Bridge Funding, Fire Mitigation Funding	Codes, Ordinances and Policies stating the requirements for emergency vehicle access	Fuels reduction along roads and adequate roadway access to all properties	Citizen and Firefighter Safety and Improved emergency response	Identify key roadways in need of fuels reduction	Nov-04
Overhead Clearance Action Item	Maintain adequate clearance over access roadways from power lines and overhead obstructions.	Local Fire Agencies, area Planners, Utility Companies and Design Professionals	Local Fire Agency Budget, Fire Mitigation Funding	Codes, Ordinances and Policies stating the requirements for emergency vehicle access	Adequate roadway access to all properties	Citizen and Firefighter Safety and Improved emergency response	Identify key roadways with overhead utility obstructions	Nov-04
LANDSCAPING Objective:	**Encourage homeowners to reduce landscape and structural fuels to create a survivable space.**							
Firewise Plant Materials Action Item	Organize a coalition of area landscape and horticultural professionals to develop a comprehensive methodology for properly selecting, grouping, locating and watering plant materials to create Firewise landscapes.	Local Landscape Professionals , Local Fire Agencies, Citizens	Local Fire Agency Budget, Fire Mitigation Funding	Fire Codes and Ordinances and Policies, Lists of Fire Resistive Plant Materials, Firewise information and Power Point Presentation and Firewise Landscaping Video Series	Consensus amongst landscape professionals as to how to design, create and promote Firewise Landscapes	Creation of Survivable Spaces around private property	Develop a list of local landscape professionals to be contacted and invited to a Firewise Workshop	Feb-05
Survivable Space Action Item	Teach property owners how to create and maintain clear zones by removing ladder fuels and enhancing perimeter irrigation.	Local Landscape Professionals , Local Fire Agencies, Citizens	Local Fire Agency Budget, Fire Mitigation Funding	Firewise information and Power Point Presentation and Firewise Landscaping Video Series	Knowledge about how to create and maintain Survivable Spaces around homes	Reduced threat of home ignition	Plan a Survivable Space Workshop open to countywide citizen participation	May-05

Aesthetic Action Item	Incorporate positive landscaping techniques to balance aesthetics with Firewise practices.	Local Landscape Professionals , Local Fire Agencies, Citizens	Local Fire Agency Budget, Fire Mitigation Funding	Firewise information and Power Point Presentation and Firewise Landscaping Video Series	Build confidence in property owners that Firewise landscaping techniques can also be attractive	New desire to design Firewise fuel reduction techniques into home landscape installation projects.	Plan a Firewise Landscaping Workshop open to countywide citizen participation	May-05
CONSTRUCTION Objective:	**Provide information about the latest Firewise construction materials.**							
Structural Materials Action Item	Demonstrate the effectiveness of listed fire-resistive roof, siding and window assemblies while maintaining aesthetic value.	Local Building and Architectural Professionals and Local Fire Agencies and Citizens	Local Fire Agency Budget, Fire Mitigation Funding	Firewise information and Power Point Presentation and Firewise Building Material Samples	New awareness of current Firewise building materials available for purchase and installation	The use of fire-resistive building materials in more projects	Plan a Firewise Building Materials and Construction Techniques Workshop open to countywide professional and citizen participation	Apr-05
Architectural Features Action Item	Encourage the use of architectural features that improve the survivability of structures such as enclosed overhangs, venting, chimney vents, soffits, decks, outdoor stairways.	Local Building and Architectural Professionals and Local Fire Agencies and Citizens	Local Fire Agency Budget, Fire Mitigation Funding	Firewise information and Power Point Presentation and Firewise Building Material Samples	New awareness of current Firewise construction techniques that help prevent home ignition	The use of fire-resistive techniques for building features in more projects	Plan a Firewise Building Materials and Construction Techniques Workshop open to countywide professional and citizen participation	Apr-05
WATER ISSUES Objective:	**Create an awareness of the need for an adequate water supply for fire protection.**							
Fire Protection Water Supply Action Item	Use current code requirements to meet minimum water supplies for all structures.	Local Fire Officials, Public Officials, Municipal and County Building and Planning Staffs, Property Developers	Local Fire Budget, Federal Grants and development costs	Codes, Ordinances and Policies	Adequate Water Supplies for firefighting	Improved property protection	Develop a Countywide Ordinance establishing minimum water supplies	Jan-05
Landscape and Irrigation Water Action Item	Educate homeowners about the importance of utilizing irrigation systems to maintain plant water content within zones of survivable spaces.	Local Fire Officials, Property Owners, Landscape Professionals	Local Fire Budget and Fire Mitigation Funding	Firewise information and PowerPoint Presentation and Firewise Landscaping Video Series and Web Site	Adequate landscape irrigation systems that maintain adequate plant water content	Firewise Landscapes for improved property protection	Plan a Firewise Landscaping Workshop open to countywide citizen participation	May-05

SURROUNDING ENVIRONMENT Objective:	**Explain how the location and orientation of a dwelling relative to on-site and surrounding conditions will contribute to its survivability in the event of a wildland fire.**							
Slope Action Item	Demonstrate the increased intensity and spread of fire as the slope increases.	Local Fire Officials and Citizens	Local Fire Budget and Fire Mitigation Funding	Firewise information and PowerPoint Presentation, Firewise Web Sites	Knowledge of the effect of Slope in the spread of fire	Improved property protection	Plan a Firewise Workshop open to countywide citizen participation	May-05
Aspect Action Item	Show the differences in fuels type, density and flammability based on aspect.	Local Fire Officials and Citizens	Local Fire Budget and Fire Mitigation Funding	Firewise information and PowerPoint Presentation, Firewise Web Sites	An understanding of how Aspect influences plant types and growth rates which creates fuel loads	Improved property protection	Plan a Firewise Workshop open to countywide citizen participation	May-05
Interface/Intermix Action Item	Educate property owners within the Interface or intermix of their personal responsibility to protect lives, property and natural resources.	Local Fire Officials and Citizens	Local Fire Budget and Fire Mitigation Funding	Firewise information and PowerPoint Presentation, Firewise Web Sites	Clear understanding of personal responsibility to maintain a Firewise property when building in the Interface and Intermix zones	Improved property protection	Plan a Firewise Workshop open to countywide citizen participation	May-05
Housing Density Action Item	Encourage neighborhood fuel reduction programs by emphasizing the conflagration hazard in subdivisions. Assist neighborhood groups in organizing fuels reduction and chipping events.	Local Fire Officials, Citizens, Property Managers, Homeowner Association Board Directors and fuels reduction contractors	Local Fire Budget and Fire Mitigation Funding	Fuel reduction tools such as chippers, mulchers and arborist tools; debris collection and composting sites; contracts with fuels reduction professionals	Implementation of regularly scheduled neighborhood fuels reduction events	Improved property protection	Plan a countywide Fuels Reduction Workshop teaching how to plan a neighborhood fuels reduction event	May-05
MOTIVATIONAL Objective:	**Motive property owners to implement Firewise practices.**							
Technological Action Item	Obtain state-of-the-art hand-held computers to log and download hazard assessment surveys.	Local Fire Agencies	Local Fire Budget and Fire Mitigation Funding	Hand-held computers and appropriate state-of-the-art software programs	The ability to rate private property for fire risk and provide owner with an assessment report	Increased property owner awareness of their risk of fire	Investigate and test various hand-held fire hazard assessment tools	Jan-05

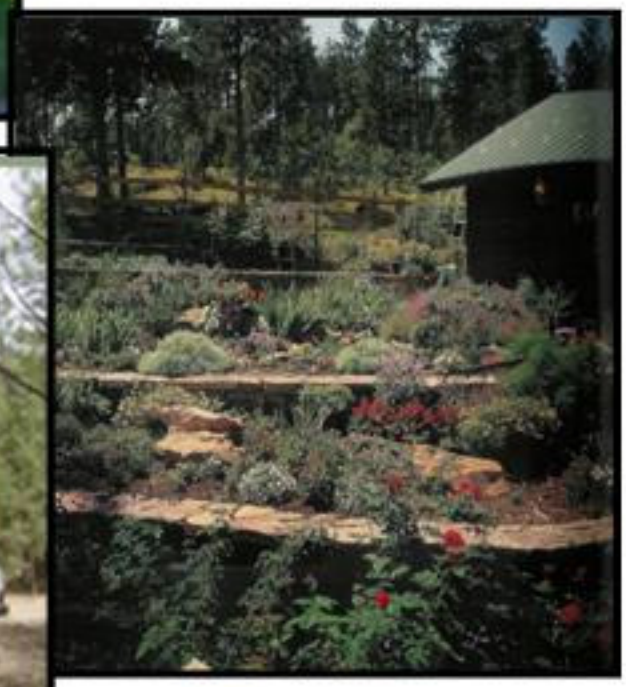
Hazard Assessment Action Item	Establish fire prevention teams to produce home hazard assessments.	Local Fire Agencies	Local Fire Budget and Fire Mitigation Funding	Appropriate Hazard Assessment Tools	A home hazard assessment for property owners	Property owner's awareness of their home fire hazard level	Establish the funding and organizational format for hazard assessment teams	Jan-05
Red Rock / Green Rock Action Item	Use the Red Rock Green Rock concept to alert property owners to their fire risks.	Local Fire Agencies and Property Owners	Local Fire Budget	Appropriate Hazard Assessment Tools	A quick demonstration of overall home survivability	Property owner's motivation to improve home survivability	Establish a schedule and system for demonstrating the Red Rock/Green Rock fire survivability concept	Mar-05
Insurance Incentive Programs	Create awareness that the use of Firewise practices can be critical to maintaining fire insurance.	Local Fire Officials and Agencies, Insurance Companies, Citizens	Local Fire Budget, Fire Mitigation Funding, Insurance Company Funding	A list of examples and incentives from insurance companies to demonstrate the benefits to homeowners of implementing Firewise Practices	Knowledge of how to maintain home insurance coverage while living in a Wildland/Urban Interface or Intermix Zone	Home Insurance Coverage at a reasonable rate	Research and compile an information packet that provides examples of property owners having difficulty maintaining or reestablishing home insurance coverage within Communities at Risk	May-05
Governmental Incentives Action Item	Initiate efforts with local governments to create incentives programs through permit fee reductions for fuels mitigation items such as Class A roofs, fire resistive siding materials, fire resistive construction techniques, home fire sprinkler systems.	Local Fire Agencies, Municipal and County Legislators	Local Fire Budget and Fire Mitigation Funding	A list of possible incentives that may be used by local government to promote Firewise Practices through the installation of fire resistive building and landscaping materials.	The establishment through local government of an incentive program to encourage property owners to utilize Firewise building and landscaping materials and techniques	Practical incentives for motivating property owners to utilize Firewise Practices	Develop a list of possible incentives to present to local governing bodies	May-05
IMPLEMENTATION Objective:	**Assist property owners in implementing Firewise practices.**							

Tool Box Action Item	Make available through local government agencies a Firewise tool box for individual property owners.	Local Fire Agencies and Local Government	Fire Mitigation Funding	Firewise Information in various media formats	Toolboxes created and provided to local government officials	Local government is better prepared to advise citizens on Firewise Practices and Techniques	Plan a workshop with all fire agencies to assemble a toolbox for countywide distribution	Jun-05
Clean-up Days Action Item	Organize fuels reduction clean-up days.	Local Fire Agencies, Local Municipalities, Blaine County, Transfer Stations, Debris Removal Contractors and Citizens	Fire Mitigation Funding	Announcements, flyers, public notice, fuels reduction tools including chippers and hand-tools, debris collection and compost sites	The establishment of a countywide fuels reduction clean-up day	Countywide Fuels Reduction	Plan and initiate first annual fuels-reduction clean-up day	Jun-05
Chipper Action Item	Coordinate Neighborhood Chipper Days.	Local Fire Agencies, Local Municipalities, Blaine County, Transfer Stations, Debris Removal Contractors, TV and Radio Stations and Citizens	Fire Mitigation Funding	Announcements, flyers, neighborhood notices, fuels reduction tools including chippers and hand-tools, debris collection and compost sites	Aiding Neighborhoods in organizing and initiating their first fuels reduction event	Neighborhoods committed to fuels reduction	Plan and initiate first neighborhood fuels-reduction clean-up day	Jun-05
Homeowner Assistance Action Item	Provide crews for assisting homeowners in removing hazardous fuels.	Local Fire Agencies, Local Municipalities, Blaine County, Transfer Stations, Debris Removal Contractors and Citizens	Fire Mitigation Funding	Schedule of homeowner and neighborhood fuel reduction events, schedule assigning crews to each event, chippers and hand-tools, debris collection and compost sites	Assistance to homeowners in completing fuels reduction projects	Homeowners committed to fuels reduction	Plan and initiate first series of homeowner assistance events for fuels-reduction	Jun-05

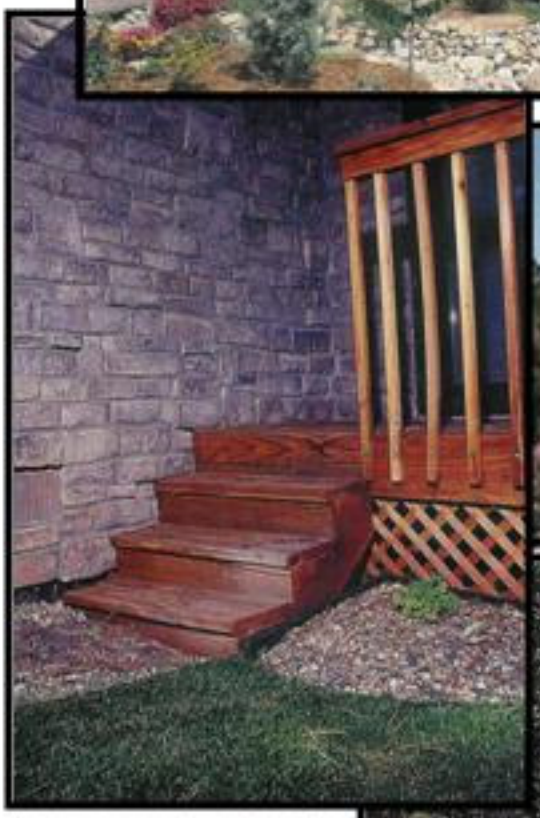
Collection Action Item	Establish community collection and composting sites for making mulch and wood pellets and for recycling biomass fuels.	Local Fire Agencies, Environmental Resource Center, Local Municipalities, Blaine County, Transfer Stations, Debris Removal Contractors and Citizens	Fire Mitigation Funding	Collection and Composting Sites, Agreements with Contractors for collecting biomass fuels for recycling into mulch and pellets	Biomass Fuels Recycling Program established countywide	Reduced waste flow and reduced waste transportation costs for citizens; optimal, localized use of biomass fuels through recycling waste into reusable landscape mulch and fuel pellet products	Prepare a presentation for local municipalities and Blaine County government for encouraging the establishment of a biomass fuels program countywide	Jun-05

Firewise Practices

Firewise Landscaping



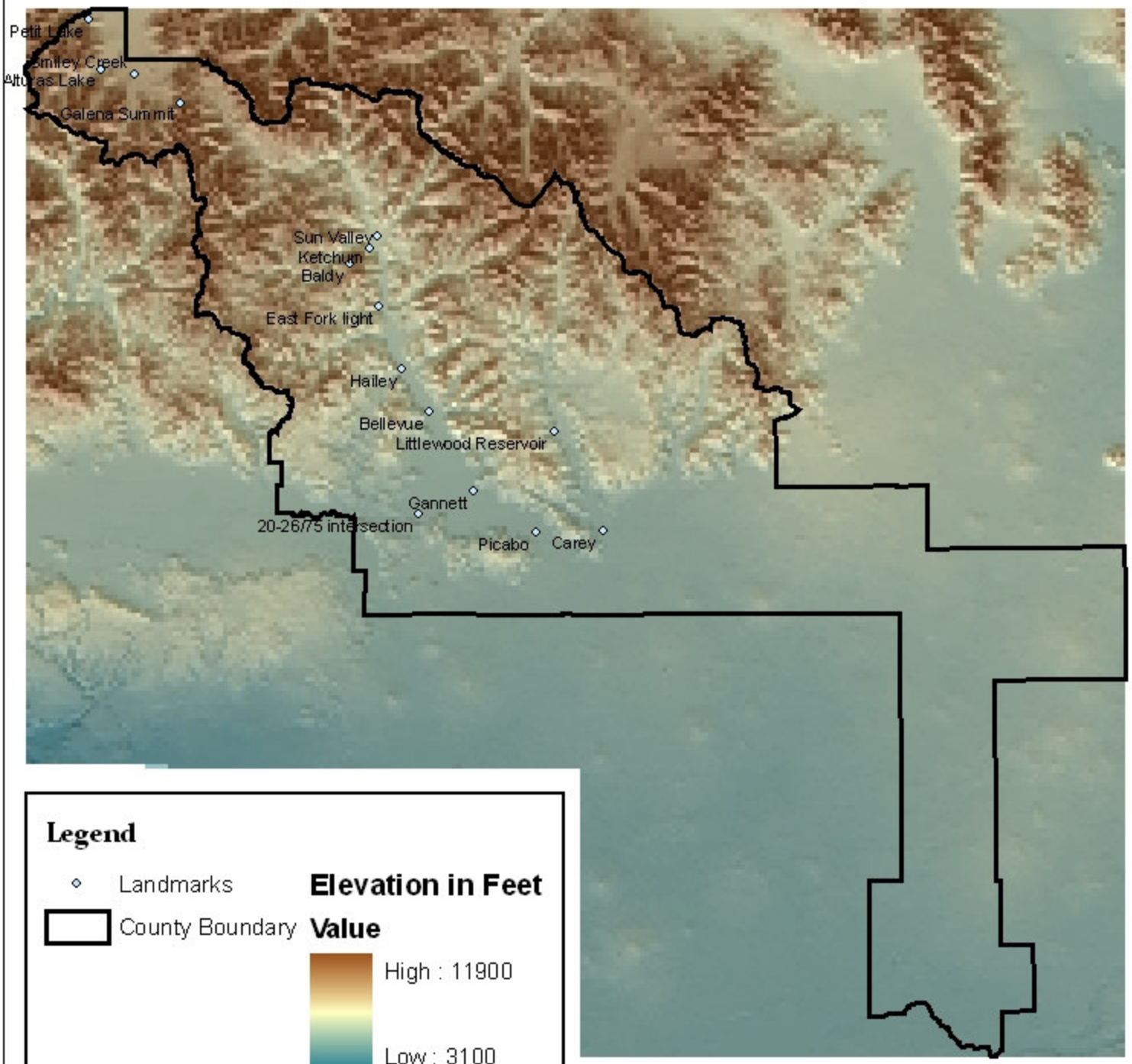
Firewise Landscaping and Construction



Digital Elevation Model, Slope and Aspect Maps

These maps show elevation, slope and aspect throughout Blaine County. They were created from a Digital Elevation Model (DEM) from the University of Idaho. The DEM shows county-wide elevation and topography at 30 meter increments. This DEM was used to create computer generated slope and aspect. These maps are available digitally and are more useful on a computer.

Digital Elevation Model of Blaine County



Legend

Landmarks

County Boundary

Elevation in Feet

Value

High : 11900

Low : 3100

0 4 8 16 24 32 Miles

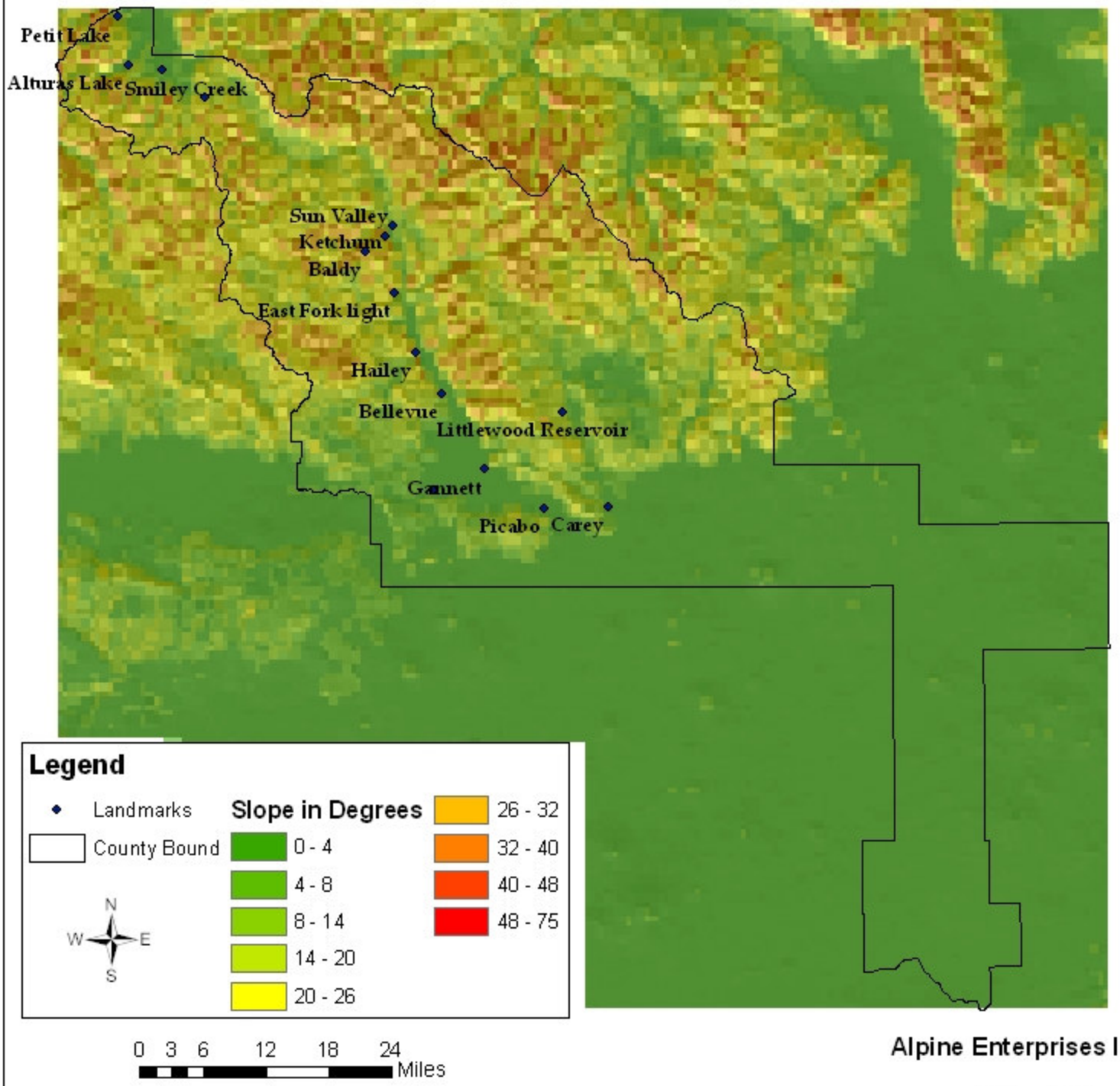
N W E S

Alpine Enterprises Inc.

PO Box 2037
280 Rivers St. East
Ketchum, ID 83340
phone: 208-727-1988

October, 2004

Slope Map of Blaine County



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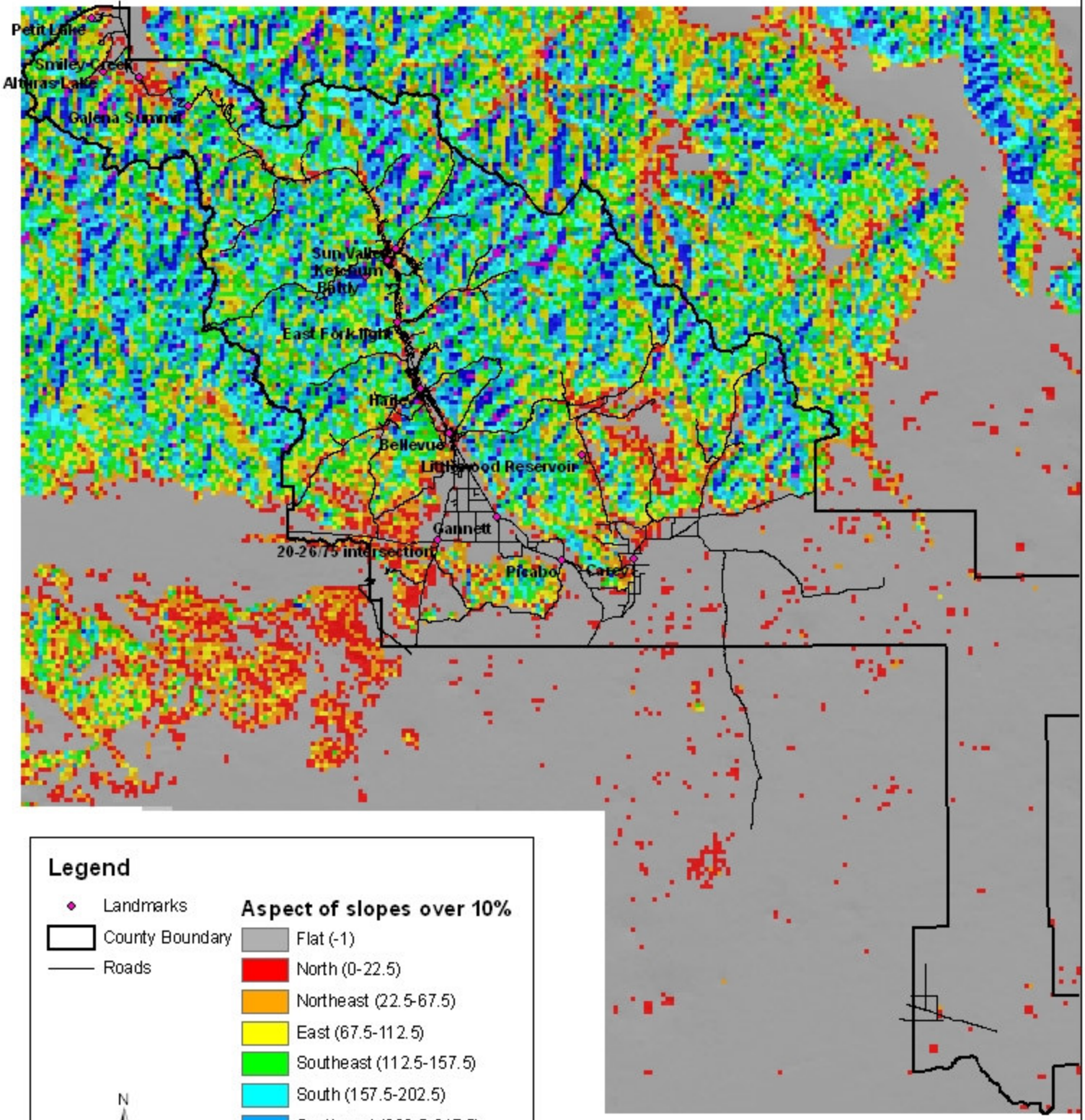
October, 2004

Aspect Map of Blaine County



Legend

- Landmarks
- County Boundary
- Roads

Aspect of slopes over 10%

- Flat (-1)
- North (0-22.5)
- Northeast (22.5-67.5)
- East (67.5-112.5)
- Southeast (112.5-157.5)
- South (157.5-202.5)
- Southwest (202.5-247.5)
- West(247.5-292.5)
- Northwest (292.5-337.5)
- North (337.5-360)

N W E S

0 5 10 20 Miles

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