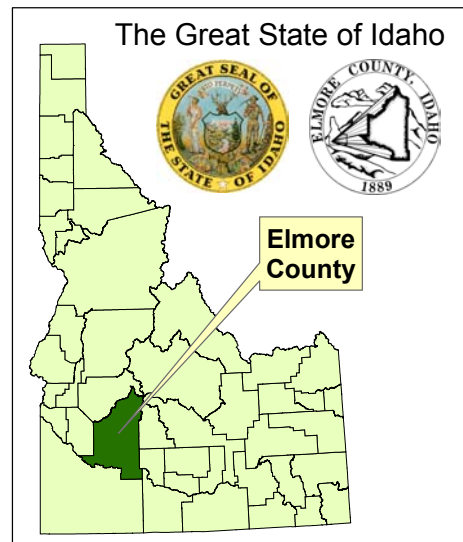




Elmore County, Idaho,
All Hazards
Mitigation Plan
Volume III
Appendices
2005-06 Update
October 9th, 2006

Vision: Institutionalize and promote a countywide hazard mitigation ethic through leadership, professionalism, and excellence, leading the way to a safe, sustainable Elmore County.



This plan was developed by the Elmore County All Hazards Mitigation Plan Committee in cooperation with Northwest Management, Inc., 233 E. Palouse River Dr., P.O. Box 9748, Moscow, ID 83843, Tel: 208-883-4488, www.Consulting-Foresters.com

Table of Contents

Table of Contents.....	i
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APPENDIX I: MAPS 1

Map Legend	1
Elmore County Ownership Map.....	2
Rural Fire Districts	3
Wildland Fire Protection Areas	4
Fire Prone Landscapes in Elmore County	5
Past Fires in Elmore County: Post WWII.....	6
Historic Fire Regime in Elmore County.....	7
Fire Regime Condition Class in Elmore County	8
Fema Flood Zones in Elmore County	9
Landslide Prone Landscapes in Elmore County	10
Current Fire Severity in Elmore County	11
Wildland-Urban Interface as derived from structure density	12
Shaded Elevation Relief of Elmore County	13
FEMA Flood Zones near the Mountain Home Air Force Base.....	14
Fire Prone Landscapes near the Mountain Home Air Force Base.....	15
Landslide Prone Landscapes near the Mountain Home Air Force Base	16
Wildland Urban Interface near the Mountain Home Air Force Base	17
FEMA Flood Zones near Atlanta, Elmore County.....	18
Fire Prone Landscapes near Atlanta, Elmore County.....	19
Landslide Prone Landscapes near Atlanta, Elmore County	20
Wildland Urban Interface near Atlanta, Elmore County	21
FEMA Flood Zones near Glenss Ferry, Elmore County.....	22
Fire Prone Landscapes near Glenss Ferry, Elmore County	23
Landslide Prone Landscapes near Glenss Ferry, Elmore County	24
Wildland Urban Interface near Glenss Ferry, Elmore County.....	25
FEMA Flood Zones near Grandview, Elmore County.....	26
Fire Prone Landscapes near Grandview, Elmore County.....	27
Landslide Prone Landscapes near Grandview, Elmore County	28
Wildland Urban Interface near Grandview, Elmore County	29
FEMA Flood Zones near Hammett, Elmore County.....	30
Fire Prone Landscapes near Hammett, Elmore County.....	31
Landslide Prone Landscapes near Hammett, Elmore County	32
Wildland Urban Interface near Hammett, Elmore County.....	33
FEMA Flood Zones near Mountain Home, Elmore County	34
Fire Prone Landscapes near Mountain Home, Elmore County	35
Landslide Prone Landscapes near Mountain Home, Elmore County	36
Wildland Urban Interface near Mountain Home, Elmore County.....	37
FEMA Flood Zones near Oasis, Elmore County.....	38
Fire Prone Landscapes near Oasis, Elmore County	39
Landslide Prone Landscapes near Oasis, Elmore County	40
Wildland Urban Interface near Oasis, Elmore County.....	41
FEMA Flood Zones near Pine, Elmore County	42
Fire Prone Landscapes near Pine, Elmore County	43
Landslide Prone Landscapes near Pine, Elmore County	44
Wildland Urban Interface near Pine, Elmore County.....	45
FEMA Flood Zones near Prairie, Elmore County.....	46
Fire Prone Landscapes near Prairie, Elmore County.....	47
Landslide Prone Landscapes near Prairie, Elmore County	48
Wildland Urban Interface near Prairie, Elmore County	49

APPENDIX II..... 50

FEMA’s Fire Hazard Severity Forms.....	50
Atlanta.....	52
Featherville.....	54
Glenns Ferry.....	56
Chattin Flats.....	58
Hammett.....	60
King Hill.....	62
Mountain Home.....	64
Oasis.....	66
Pine.....	68
Prairie.....	70
Tipanuk.....	72
APPENDIX III.....	74
WUI Wildfire Plan Public Mail Survey.....	74
Public Letter #1.....	74
Public Survey.....	76
Public Letter #2.....	81
Public letter #3.....	82
All Hazards Mitigation Plan Public Survey.....	84
Public Letter #1.....	84
Public Letter #2.....	92
Public letter #3.....	93
APPENDIX IV.....	95
Potential Funding Sources.....	95
APPENDIX V.....	100
Training Programs.....	100
Research Programs.....	100
Private Foundations.....	100
APPENDIX VI.....	102
Laws Governing Fire Districts in Idaho.....	102
I. Creation of a New Fire Protection District.....	102
II. Expanding an Existing Fire District.....	104
III. Consolidation of Fire Districts.....	106
APPENDIX VII.....	107
Forming a Not For Profit Fire Service Organization.....	107
Incorporation as a non-profit organization:.....	107
APPENDIX IIX.....	108
State and Federal Fire Related Codes.....	108
State of Idaho.....	108

Key Points of Idaho State Policy	109
Federal Policy.....	110
Key Features of the 2001 Wildland Fire Policy:.....	111
Point 1 - Safety	111
Point 3 - Response to Wildland Fire.....	111
Point 6 - Protection Priorities	111
Point 7 – Wildland-Urban Interface	111
Point 14 - Interagency Cooperation.....	112
Organization	112

Appendix I: Maps

Map Legend

Hazard Mitigation Efforts in Elmore County, Idaho



City of Mountain Home
City of Glens Ferry

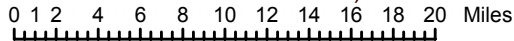


Northwest
Management, Inc.

Maps created and data analyzed by the Northwest Management, Inc.,
Geographical Information Systems Laboratory, 233 E. Palouse River Dr.,
P.O. Box 9748, Moscow, Idaho 83843, Tel 208-883-4488, Fax 208-883-1098
www.Consulting-Foresters.com

- Highway Districts
- Hospital District
- Local emergency services
- Local Businesses and Citizens
- Mountain Home Rural Fire Department
- Mountain Home City Fire Department
- King Hill Rural Fire Department
- Atlanta Rural Fire Department
- Oasis Volunteer Fire Department
- Grand View Fire Department

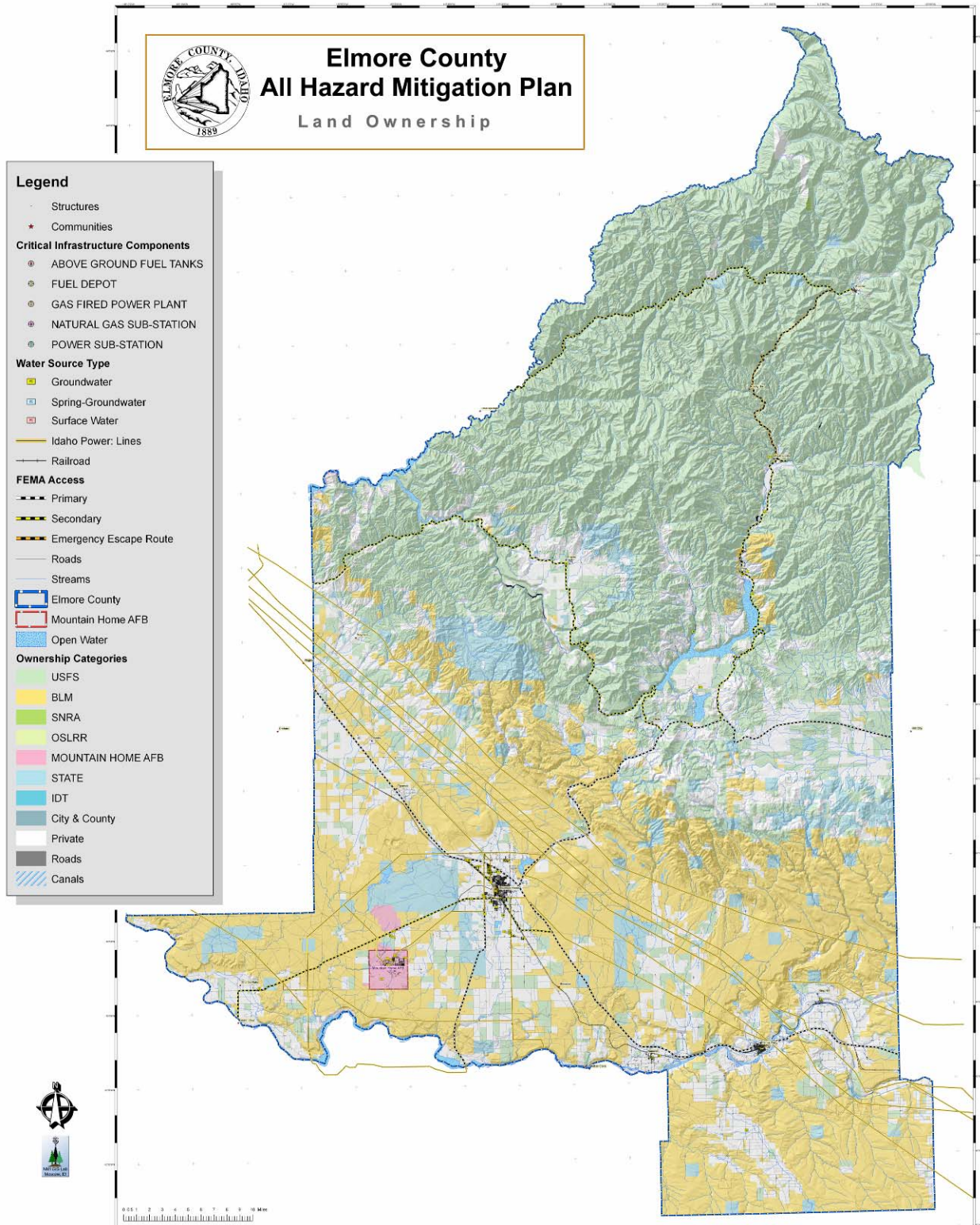
Caution: Map scale may distort during printing and reproduction of maps. The absolute scale bar on each map (the ruler like the one shown below) should be used for measurements.



Northwest Management, Inc.
Geographical Information Systems Laboratory
 233 East Palouse River Dr., P.O. Box 9748, Moscow, ID 83843 www.Consulting-Foresters.com

The information on the attached maps was derived from digital databases from NMI's GIS lab. Care was taken in the creation of these maps, but all maps are provided "as is" with no warranty or guarantees. Northwest Management, Inc., cannot accept any responsibility for any errors, omissions, or positional accuracy, and therefore, there are no warranties which accompany this product. Although information from Land Surveys may have been used in the creation of this product, in no way does this product represent or constitute a Land Survey. Users are cautioned to field verify information on this product before making any decisions.

Elmore County Ownership Map



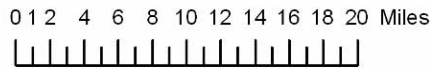
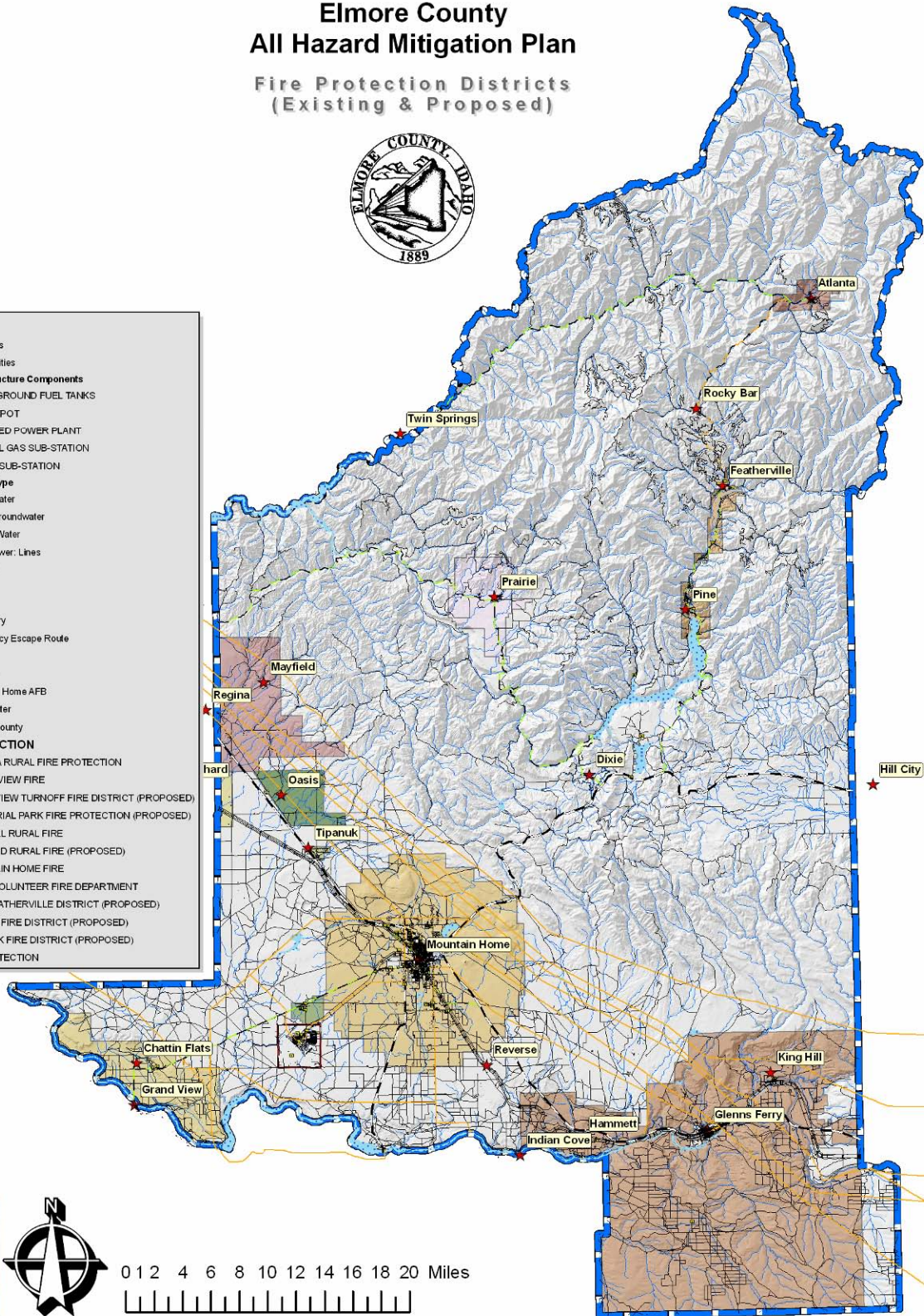
Rural Fire Districts

Elmore County All Hazard Mitigation Plan Fire Protection Districts (Existing & Proposed)



Legend

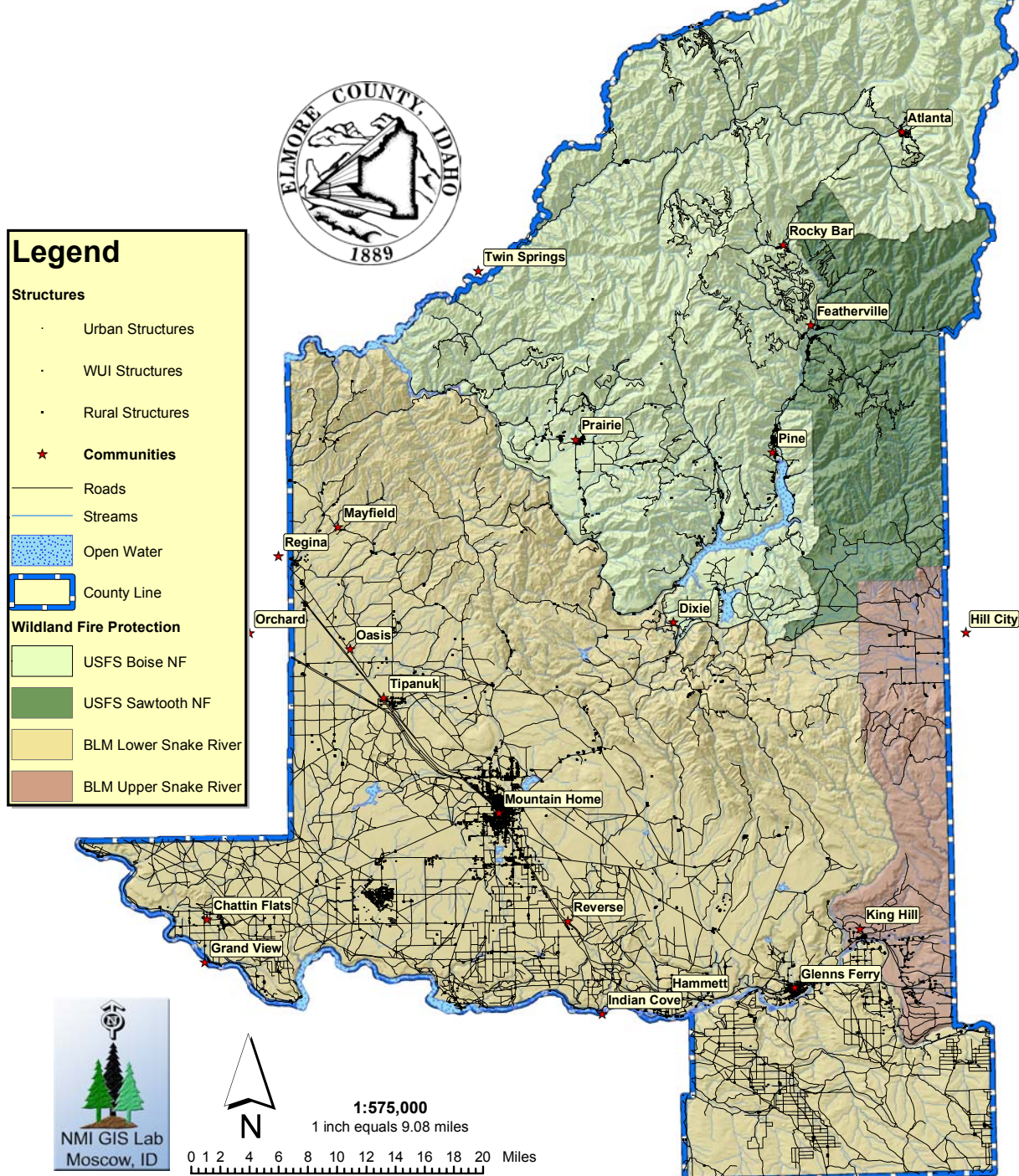
- Structures
- ★ Communities
- Critical Infrastructure Components**
 - ABOVE GROUND FUEL TANKS
 - FUEL DEPOT
 - GAS FIRED POWER PLANT
 - NATURAL GAS SUB-STATION
 - POWER SUB-STATION
- Water Source Type**
 - Groundwater
 - Spring-Groundwater
 - Surface Water
- Idaho Power Lines
- Railroad
- FEMA Access**
 - Primary
 - Secondary
 - Emergency Escape Route
- Roads
- Streams
- Mountain Home AFB
- Open Water
- Elmore County
- FIRE PROTECTION**
 - ATLANTA RURAL FIRE PROTECTION
 - GRAND VIEW FIRE
 - GRANDVIEW TURNOFF FIRE DISTRICT (PROPOSED)
 - INDUSTRIAL PARK FIRE PROTECTION (PROPOSED)
 - KING HILL RURAL FIRE
 - MAYFIELD RURAL FIRE (PROPOSED)
 - MOUNTAIN HOME FIRE
 - OASIS VOLUNTEER FIRE DEPARTMENT
 - PINE-FEATHERVILLE DISTRICT (PROPOSED)
 - PRAIRIE FIRE DISTRICT (PROPOSED)
 - TAPANUK FIRE DISTRICT (PROPOSED)
 - NO PROTECTION



Wildland Fire Protection Areas

Elmore County Wildland-Urban Interface Wildfire Mitigation Plan

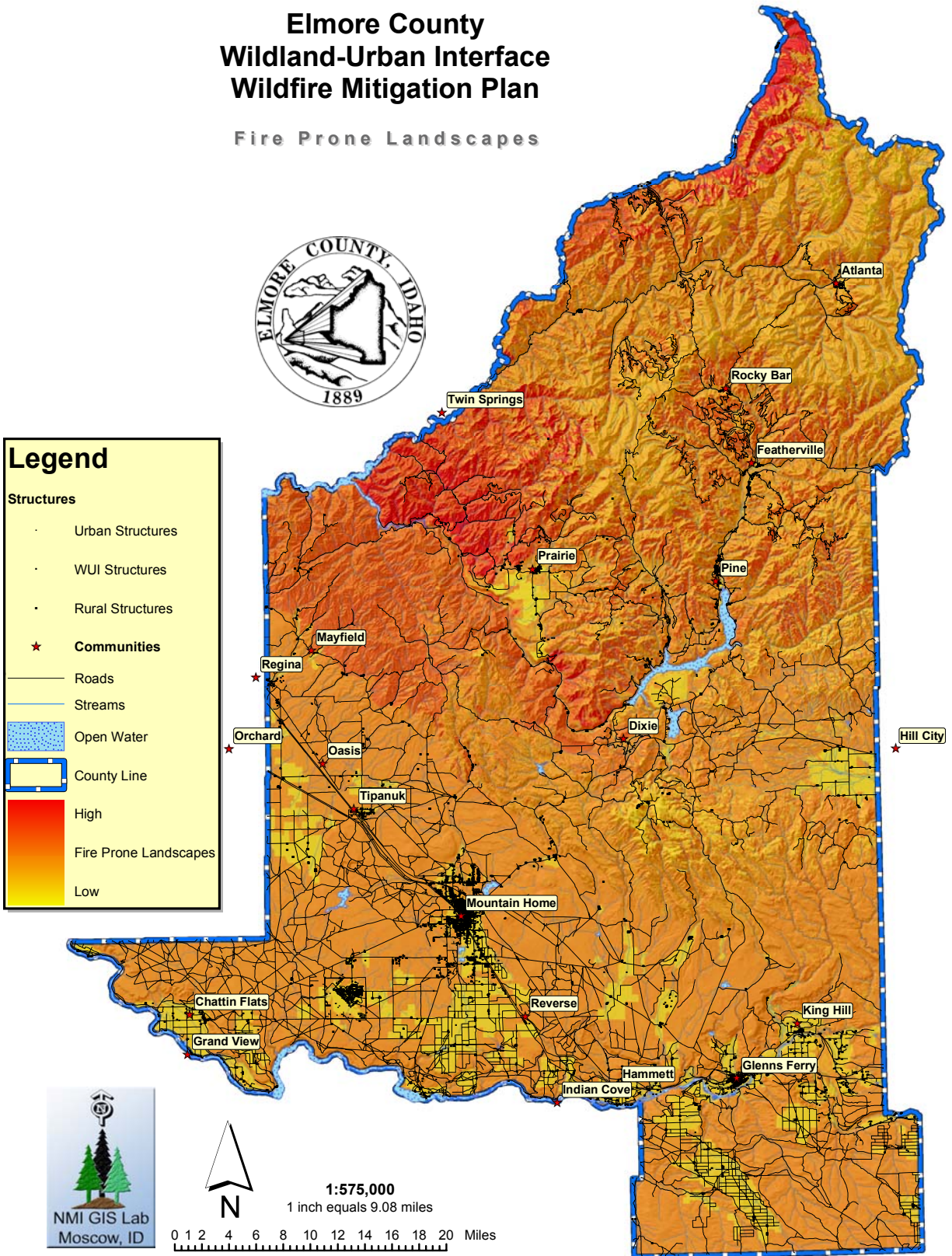
Wildland Fire Protection Districts



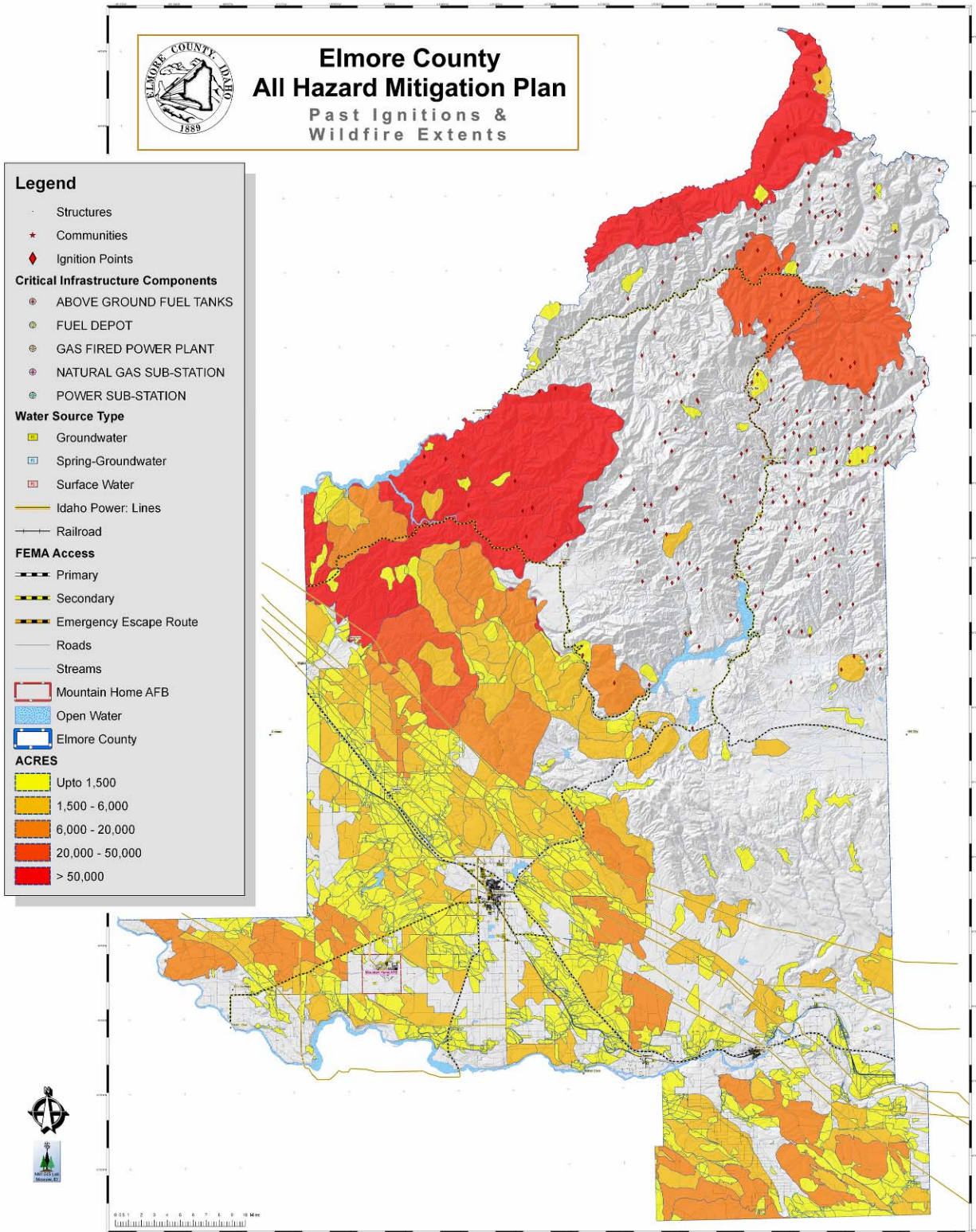
Fire Prone Landscapes in Elmore County

Elmore County Wildland-Urban Interface Wildfire Mitigation Plan

Fire Prone Landscapes



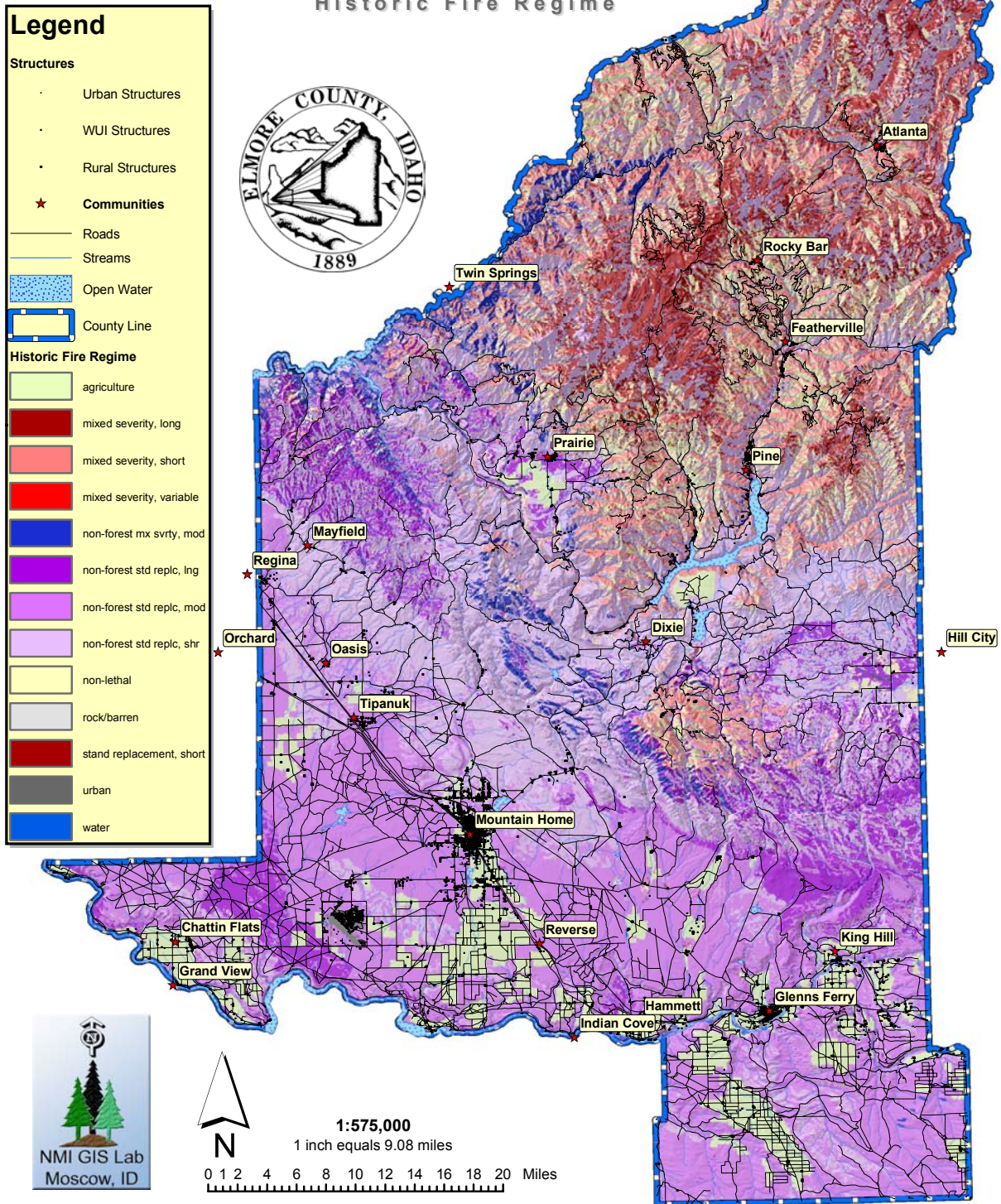
Past Fires in Elmore County: Post WWII



Historic Fire Regime in Elmore County

Elmore County Wildland-Urban Interface Wildfire Mitigation Plan

Historic Fire Regime



Fire Regime Condition Class in Elmore County

Elmore County Wildland-Urban Interface Wildfire Mitigation Plan

Fire Regime Condition Class



Legend

Structures

- Urban Structures
- WUI Structures
- Rural Structures
- ★ **Communities**

— Roads

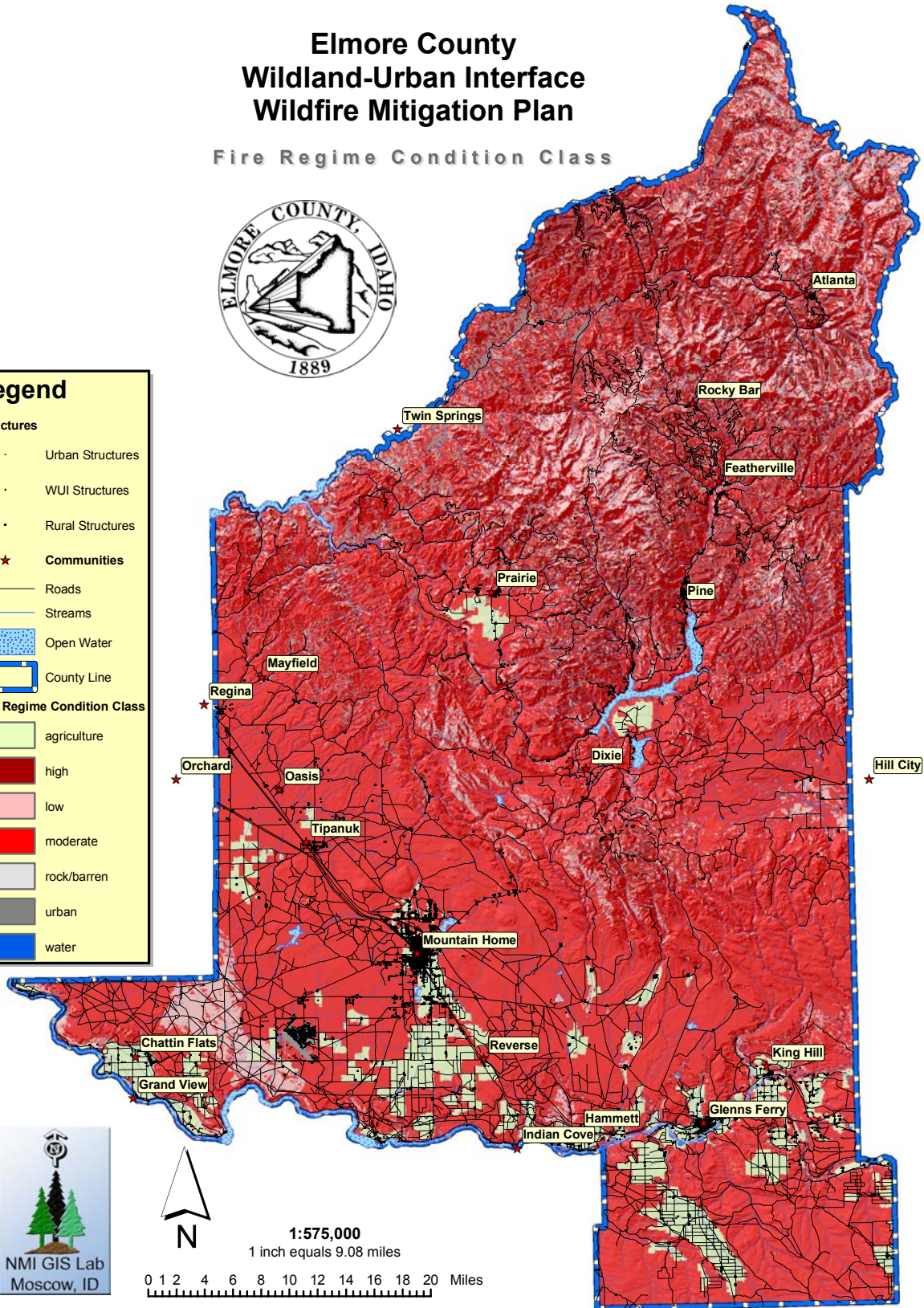
— Streams

Open Water

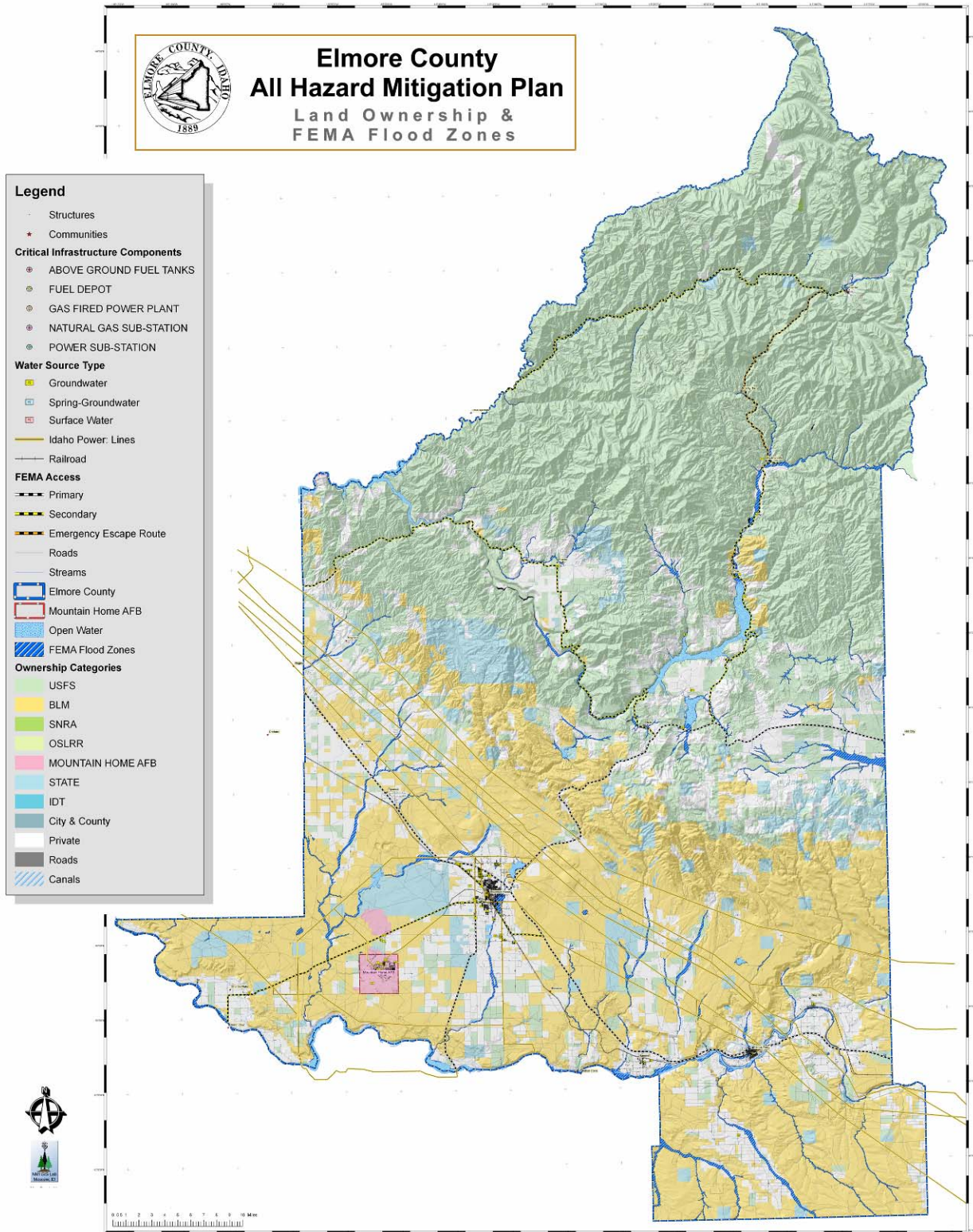
County Line

Fire Regime Condition Class

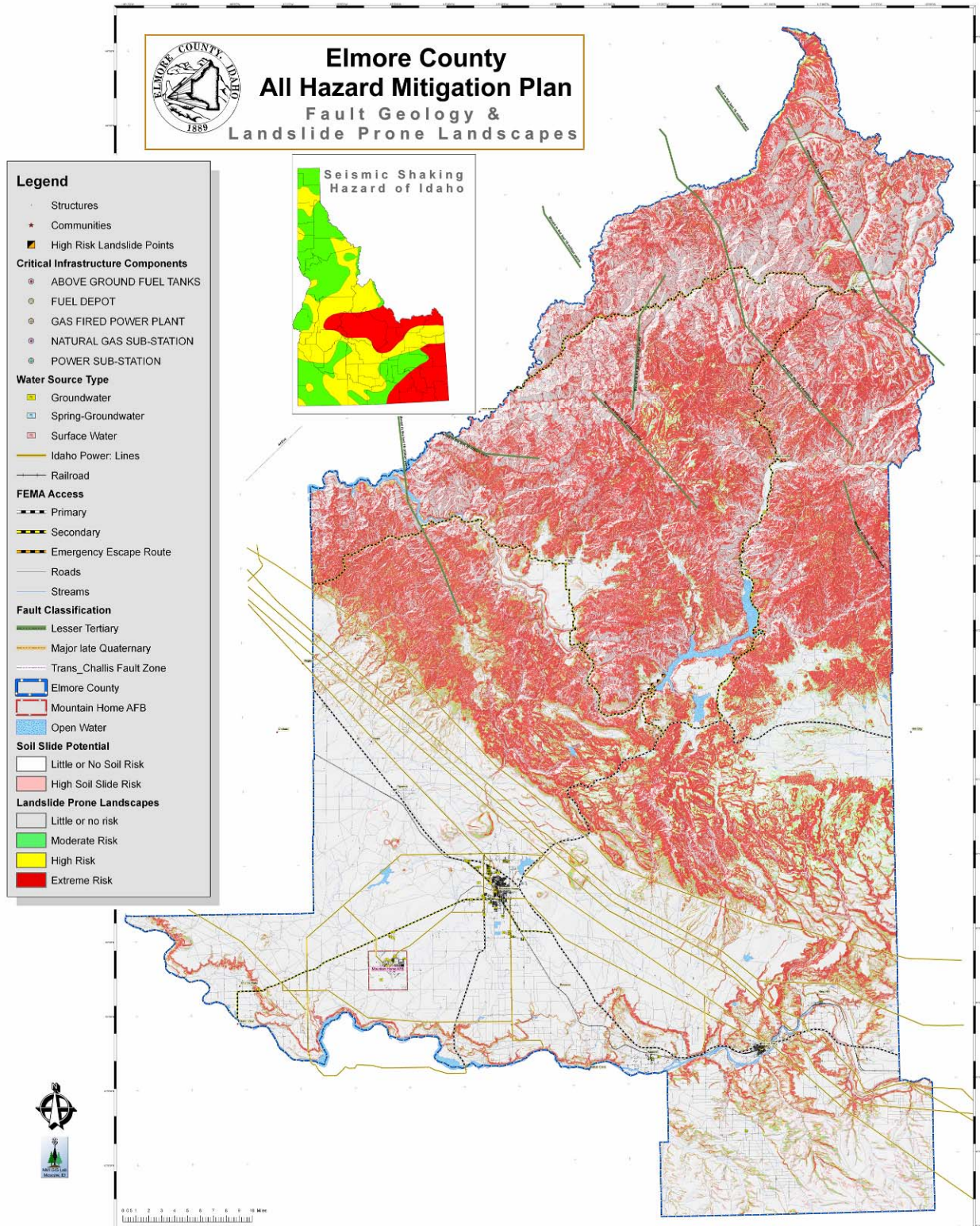
- agriculture
- high
- low
- moderate
- rock/barren
- urban
- water



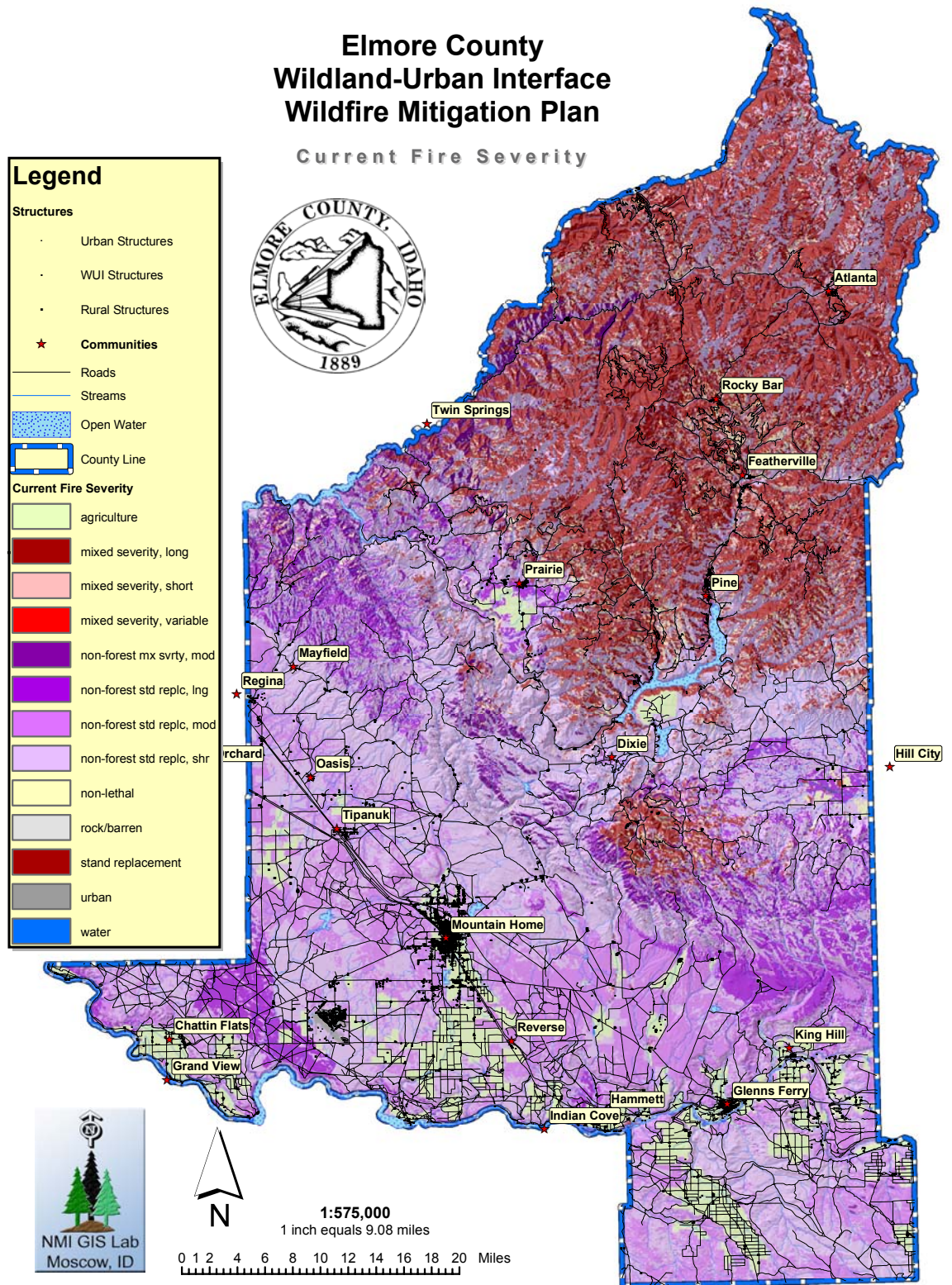
Fema Flood Zones in Elmore County



Landslide Prone Landscapes in Elmore County



Current Fire Severity in Elmore County



Wildland-Urban Interface as derived from structure density

Legend

- Structures
- ★ Communities

Critical Infrastructure Components

- ABOVE GROUND FUEL TANKS
- FUEL DEPOT
- GAS FIRED POWER PLANT
- NATURAL GAS SUB-STATION
- POWER SUB-STATION

Water Source Type

- Groundwater
- Spring-Groundwater
- Surface Water

— Idaho Power: Lines

— Railroad

FEMA Access

- Primary
- Secondary
- Emergency Escape Route

— Roads

— Streams

▭ Mountain Home AFB

▭ Open Water

▭ Elmore County

▭ Access WUI

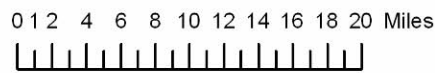
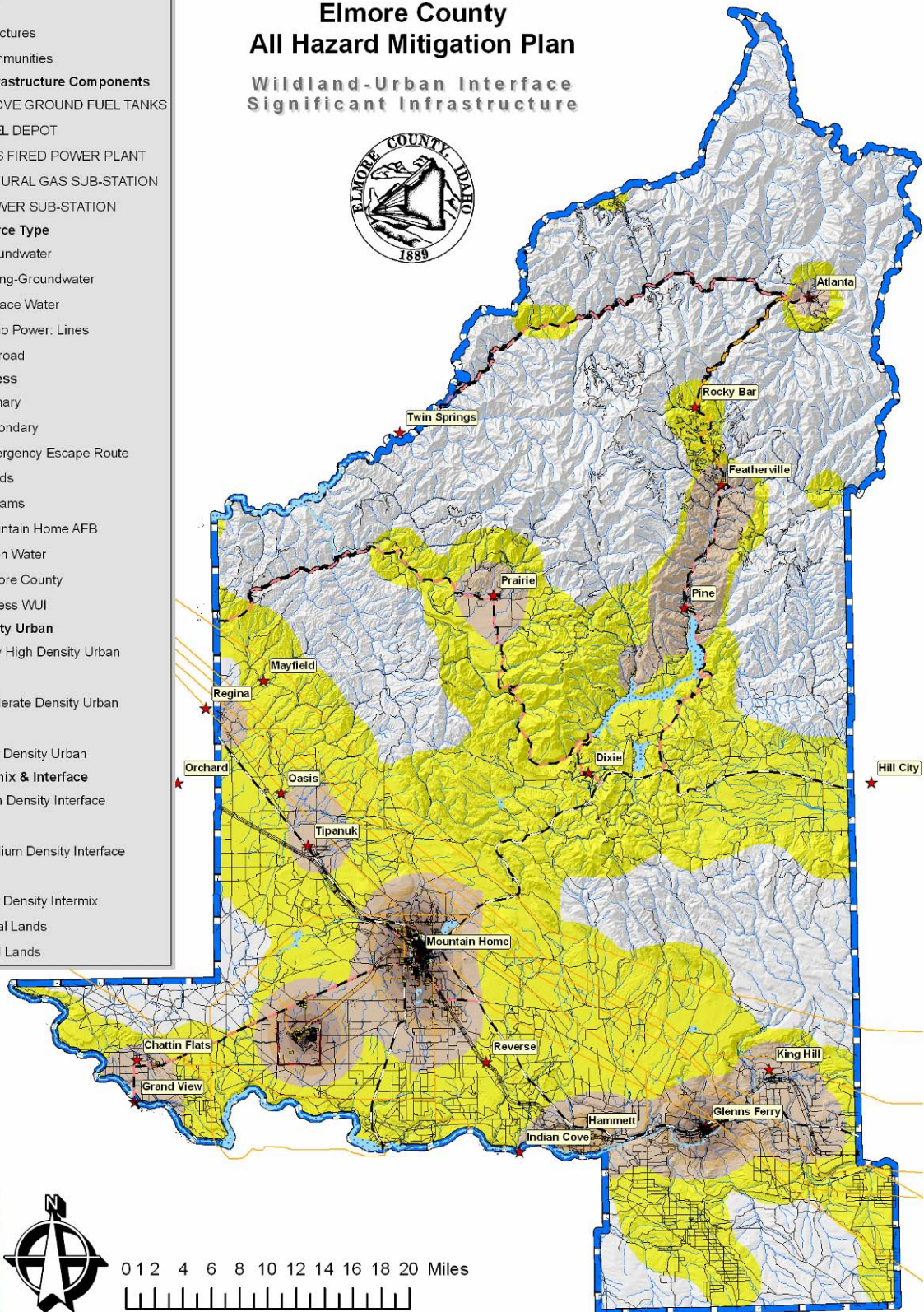
High Density Urban

- ▭ Very High Density Urban
- ▭ Moderate Density Urban
- ▭ Low Density Urban

WUI: Intermix & Interface

- ▭ High Density Interface
- ▭ Medium Density Interface
- ▭ Low Density Intermix
- ▭ Rural Lands
- ▭ Wild Lands

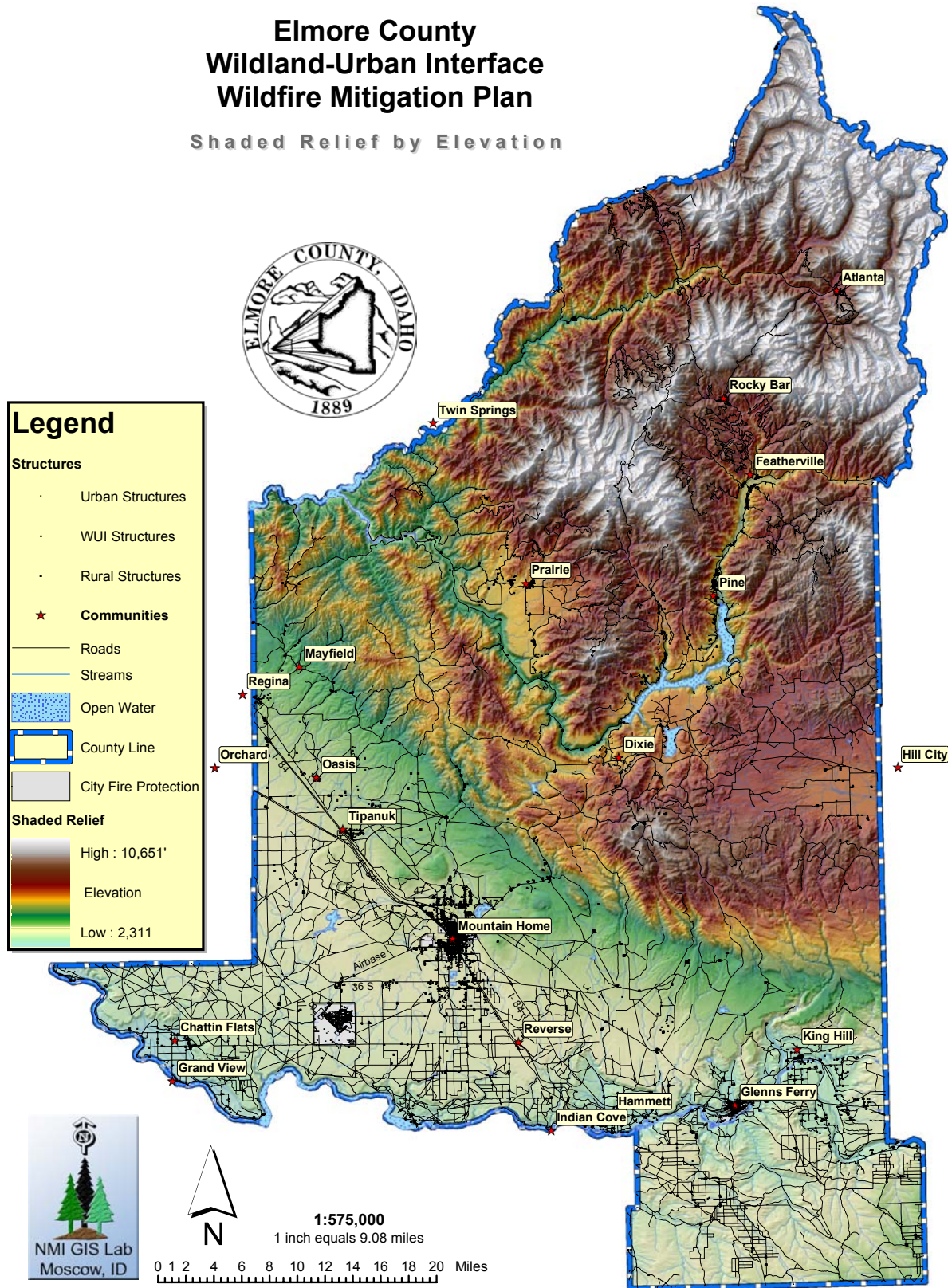
Elmore County All Hazard Mitigation Plan Wildland-Urban Interface Significant Infrastructure



Shaded Elevation Relief of Elmore County

Elmore County Wildland-Urban Interface Wildfire Mitigation Plan

Shaded Relief by Elevation



FEMA Flood Zones near the Mountain Home Air Force Base

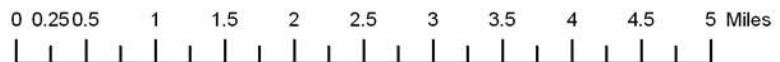
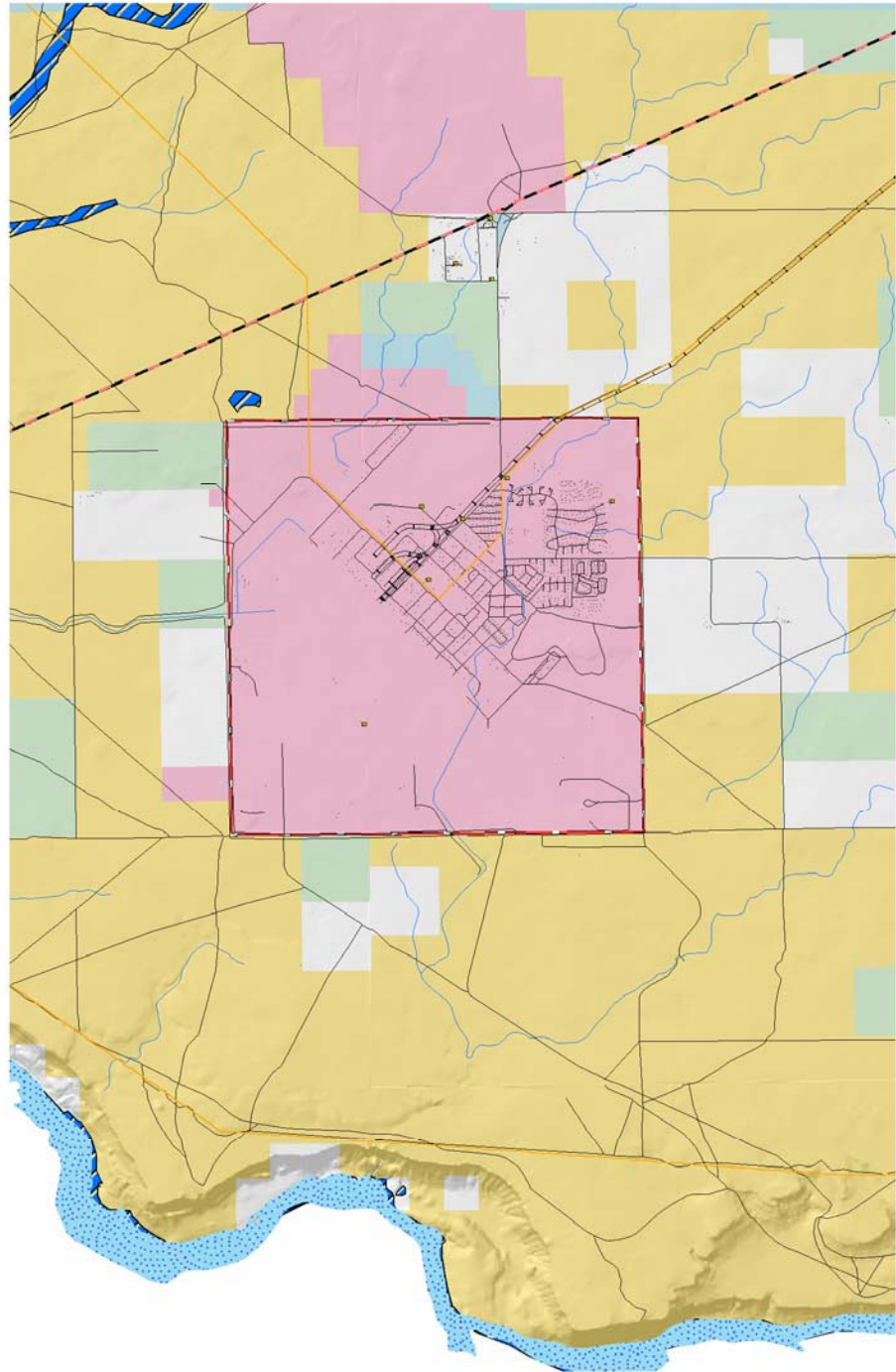
Elmore County All Hazard Mitigation Plan Land Ownership & FEMA Flood Zones

Mountain Home
AFB



Legend

- Structures
- ★ Communities
- Critical Infrastructure Components**
 - ABOVE GROUND FUEL TANKS
 - FUEL DEPOT
 - GAS FIRED POWER PLANT
 - NATURAL GAS SUB-STATION
 - POWER SUB-STATION
- Water Source Type**
 - Groundwater
 - Spring-Groundwater
 - Surface Water
- Idaho Power: Lines
- Railroad
- FEMA Access**
 - Primary
 - Secondary
 - Emergency Escape Route
 - Roads
 - Streams
 - Mountain Home AFB
 - Open Water
 - FEMA Flood Zones
 - Elmore County
- Ownership Categories**
 - USFS
 - BLM
 - SNRA
 - OSLRR
 - MOUNTAIN HOME AFB
 - STATE
 - IDT
 - City & County
 - Private
 - Roads
 - Canals



Fire Prone Landscapes near the Mountain Home Air Force Base

Elmore County All Hazard Mitigation Plan Fire Prone Landscapes Significant Infrastructure

Mountain Home
AFB



Legend

- Structures
- ★ Communities
- High Risk Landslide Points

Critical Infrastructure Components

- ABOVE GROUND FUEL TANKS
- FUEL DEPOT
- GAS FIRED POWER PLANT
- NATURAL GAS SUB-STATION
- POWER SUB-STATION

Water Source Type

- Groundwater
- Spring-Groundwater
- Surface Water

— Idaho Power: Lines

— Railroad

FEMA Access

- Primary
- Secondary
- Emergency Escape Route
- Roads
- Streams

■ Mountain Home AFB

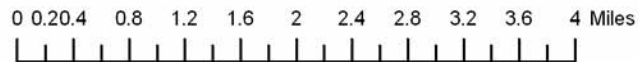
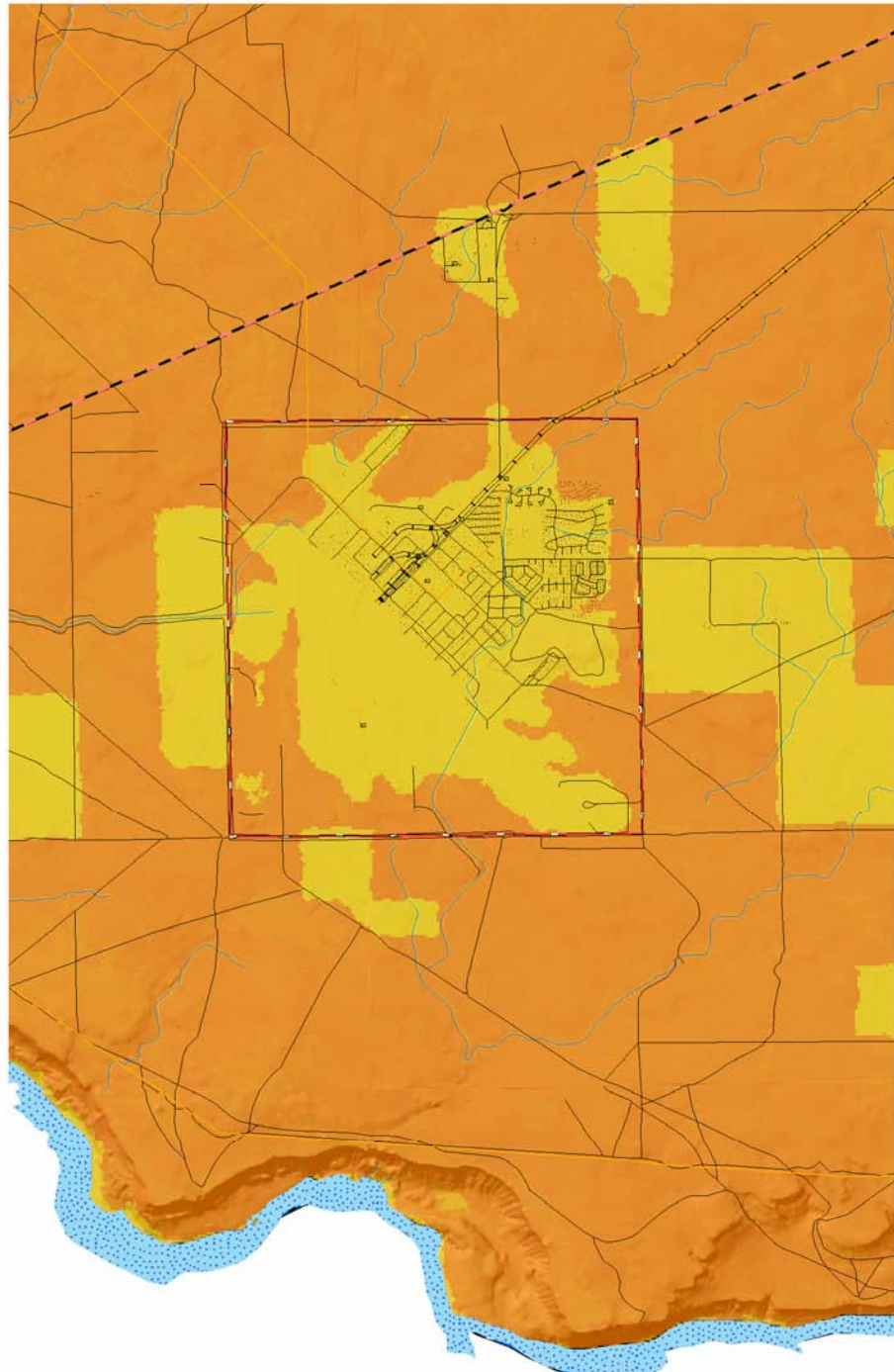
■ Open Water

■ Elmore County

■ High

■ Fire Prone Landscapes

■ Low



Landslide Prone Landscapes near the Mountain Home Air Force Base

Elmore County All Hazard Mitigation Plan Fault Geology & Landslide Prone Landscapes

Mountain Home
AFB



Legend

- Structures
- ★ Communities
- High Risk Landslide Points

Critical Infrastructure Components

- ABOVE GROUND FUEL TANKS
- FUEL DEPOT
- GAS FIRED POWER PLANT
- NATURAL GAS SUB-STATION
- POWER SUB-STATION

Water Source Type

- Groundwater
- Spring-Groundwater
- Surface Water
- Idaho Power: Lines
- Railroad

FEMA Access

- Primary
- Secondary
- Emergency Escape Route
- Roads
- Streams

Fault Classification

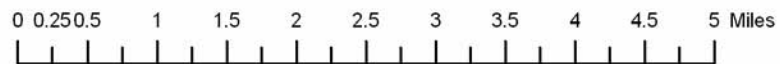
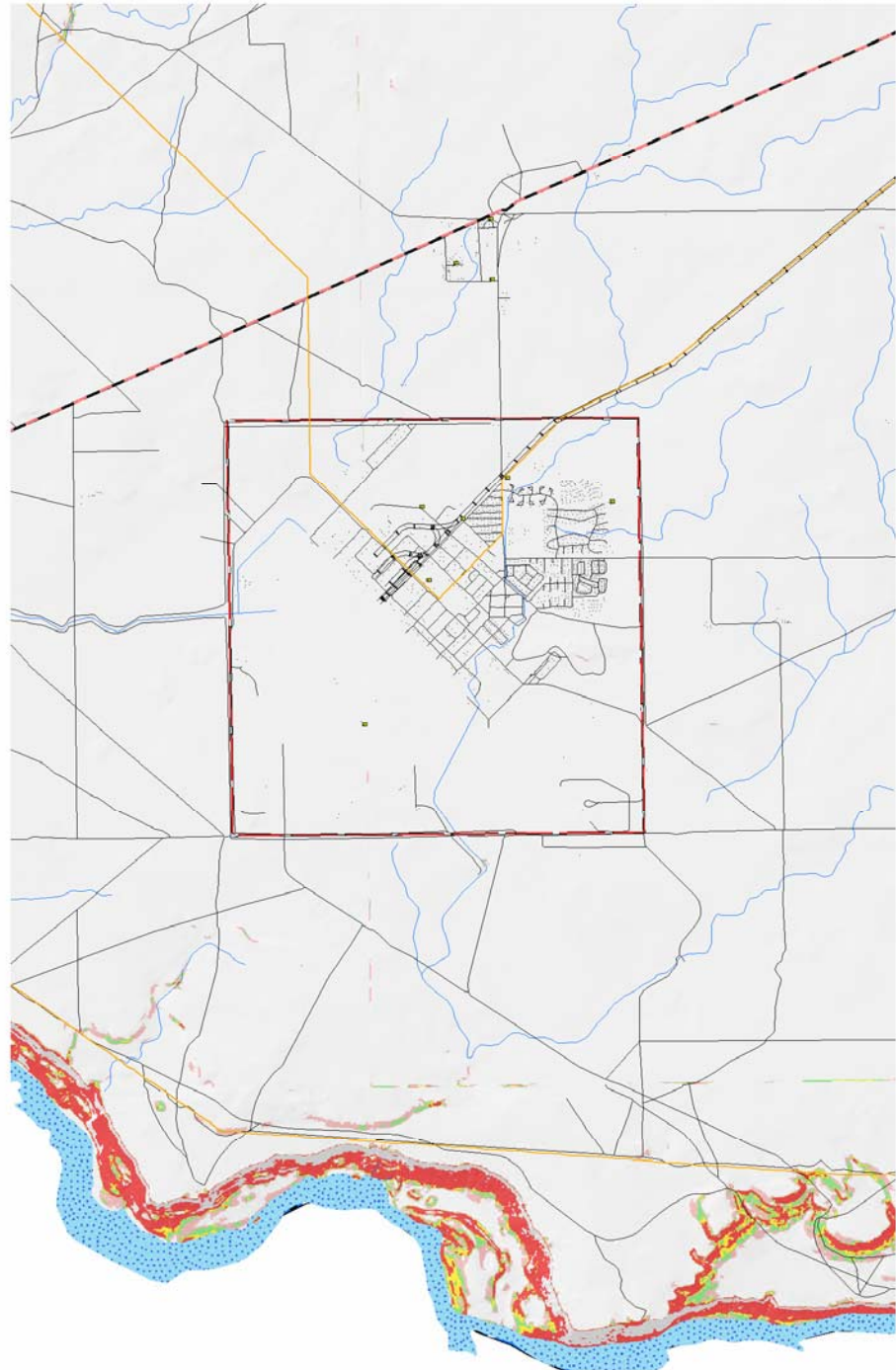
- Lesser Tertiary
- Major late Quaternary
- Trans_Challis Fault Zone
- Mountain Home AFB
- Open Water
- Elmore County

Soil Slide Potential

- Little or No Soil Risk
- High Soil Slide Risk

Landslide Prone Landscapes

- Little or no risk
- Moderate Risk
- High Risk
- Extreme Risk



Wildland Urban Interface near the Mountain Home Air Force Base

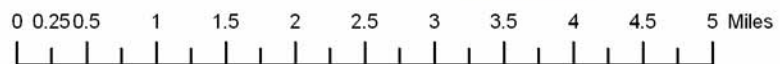
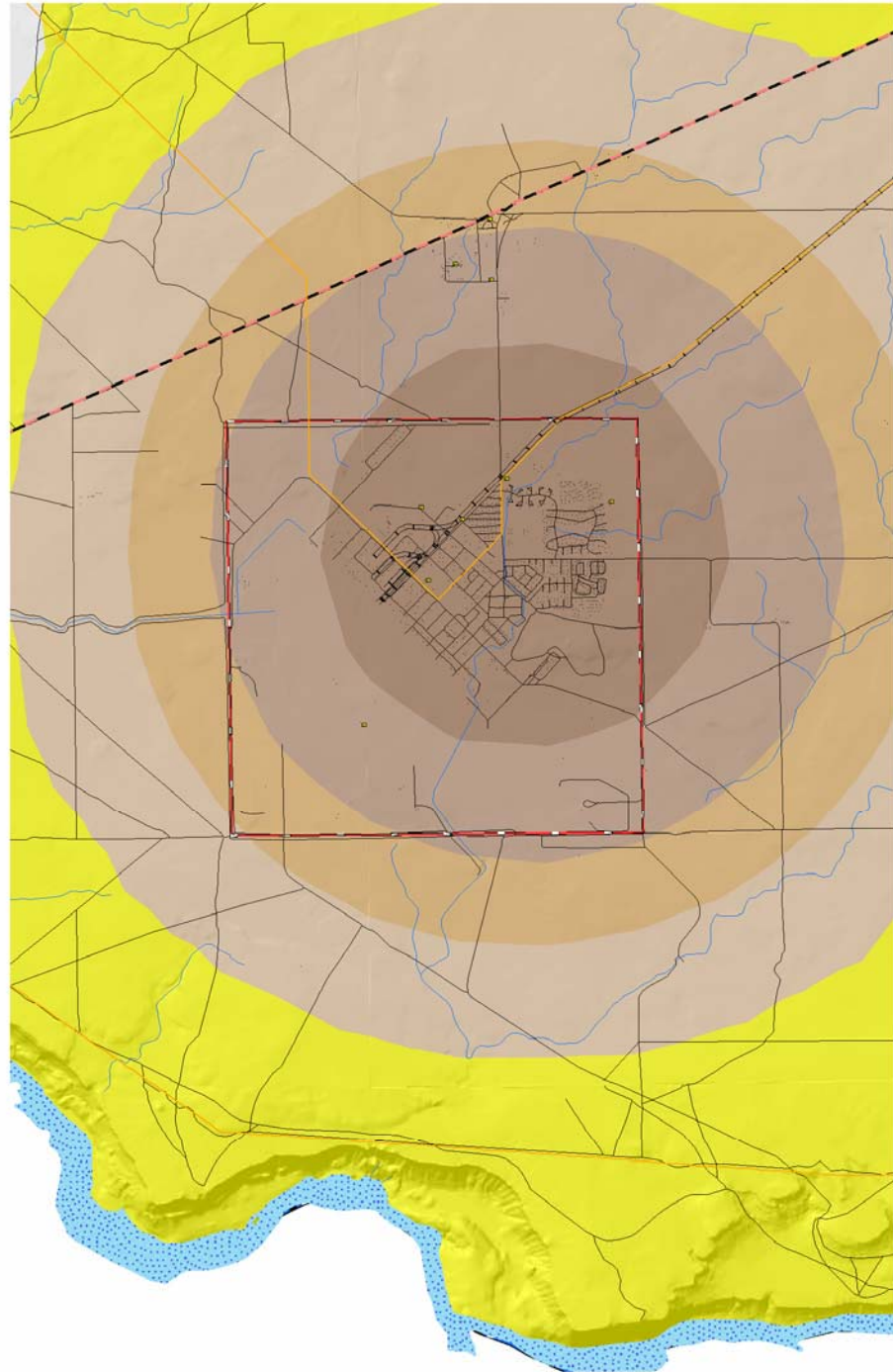
Elmore County All Hazard Mitigation Plan Wildland-Urban Interface Significant Infrastructure

Mountain Home
AFB



Legend

- Structures
- ★ Communities
- High Risk Landslide Points
- Critical Infrastructure Components**
 - ABOVE GROUND FUEL TANKS
 - FUEL DEPOT
 - GAS FIRED POWER PLANT
 - NATURAL GAS SUB-STATION
 - POWER SUB-STATION
- Water Source Type**
 - Groundwater
 - Spring-Groundwater
 - Surface Water
- Idaho Power: Lines
- Railroad
- FEMA Access**
 - Primary
 - Secondary
 - Emergency Escape Route
 - Roads
 - Streams
- Fault Classification**
 - Lesser Tertiary
 - Major late Quaternary
 - Trans_Challis Fault Zone
 - Mountain Home AFB
 - Open Water
 - Elmore County
 - Access WUI
- High Density Urban**
 - Very High Density Urban
 - Moderate Density Urban
 - Low Density Urban
- WUI: Intermix & Interface**
 - High Density Interface
 - Medium Density Interface
 - Low Density Intermix
 - Rural Lands
 - Wild Lands



FEMA Flood Zones near Atlanta, Elmore County

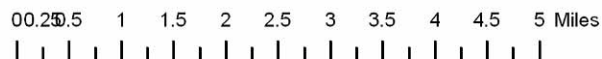
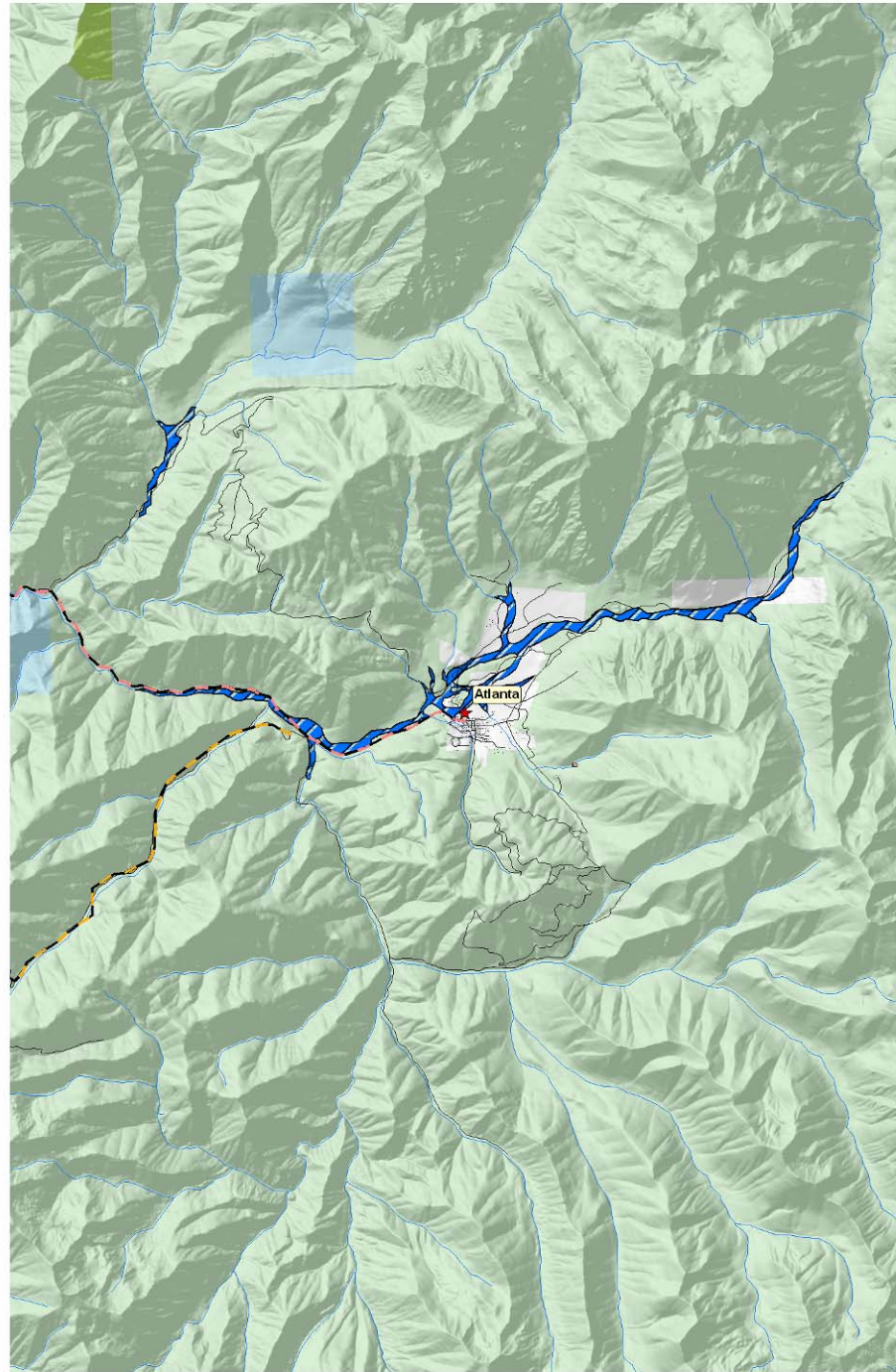
Elmore County All Hazard Mitigation Plan Land Ownership & FEMA Flood Zones

Atlanta



Legend

- Structures
- ★ Communities
- Critical Infrastructure Components**
 - ⊙ ABOVE GROUND FUEL TANKS
 - ⊙ FUEL DEPOT
 - ⊙ GAS FIRED POWER PLANT
 - ⊙ NATURAL GAS SUB-STATION
 - ⊙ POWER SUB-STATION
- Water Source Type**
 - Groundwater
 - Spring-Groundwater
 - Surface Water
 - Idaho Power: Lines
 - Railroad
- FEMA Access**
 - Primary
 - Secondary
 - Emergency Escape Route
 - Roads
 - Streams
 - Mountain Home AFB
 - Open Water
 - FEMA Flood Zones
 - Elmore County
- Ownership Categories**
 - USFS
 - BLM
 - SNRA
 - OSLRR
 - MOUNTAIN HOME AFB
 - STATE
 - IDT
 - City & County
 - Private
 - Roads
 - Canals



Fire Prone Landscapes near Atlanta, Elmore County

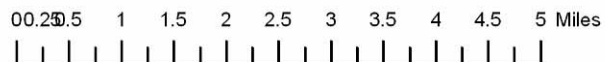
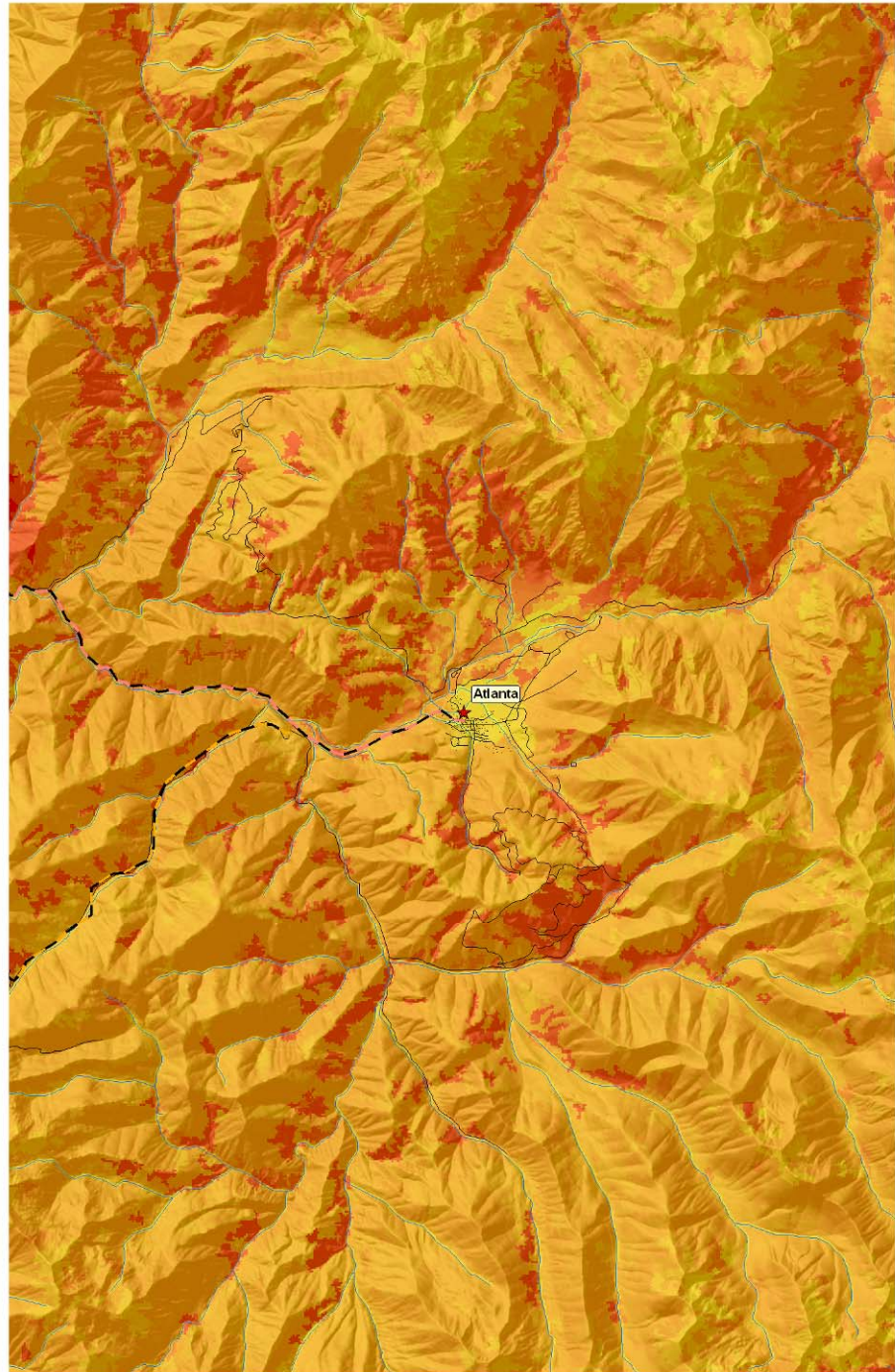
Elmore County All Hazard Mitigation Plan Fire Prone Landscapes Significant Infrastructure

Atlanta



Legend

- Structures
- ★ Communities
- Critical Infrastructure Components**
 - ◆ ABOVE GROUND FUEL TANKS
 - ◆ FUEL DEPOT
 - ◆ GAS FIRED POWER PLANT
 - ◆ NATURAL GAS SUB-STATION
 - ◆ POWER SUB-STATION
- Water Source Type**
 - ▣ Groundwater
 - ▣ Spring-Groundwater
 - ▣ Surface Water
- Idaho Power: Lines
- Railroad
- FEMA Access**
 - Primary
 - Secondary
 - Emergency Escape Route
 - Roads
 - Streams
- ▣ Mountain Home AFB
- ▣ Open Water
- ▣ Elmore County
- Fire Prone Landscapes
 - High
 - Low



Landslide Prone Landscapes near Atlanta, Elmore County

Elmore County All Hazard Mitigation Plan Fault Geology & Landslide Prone Landscapes

Atlanta



Legend

- Structures
- ★ Communities
- High Risk Landslide Points

Critical Infrastructure Components

- ABOVE GROUND FUEL TANKS
- FUEL DEPOT
- GAS FIRED POWER PLANT
- NATURAL GAS SUB-STATION
- POWER SUB-STATION

Water Source Type

- Groundwater
- Spring-Groundwater
- Surface Water
- Idaho Power: Lines
- Railroad

FEMA Access

- Primary
- Secondary
- Emergency Escape Route
- Roads
- Streams

Fault Classification

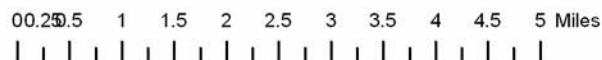
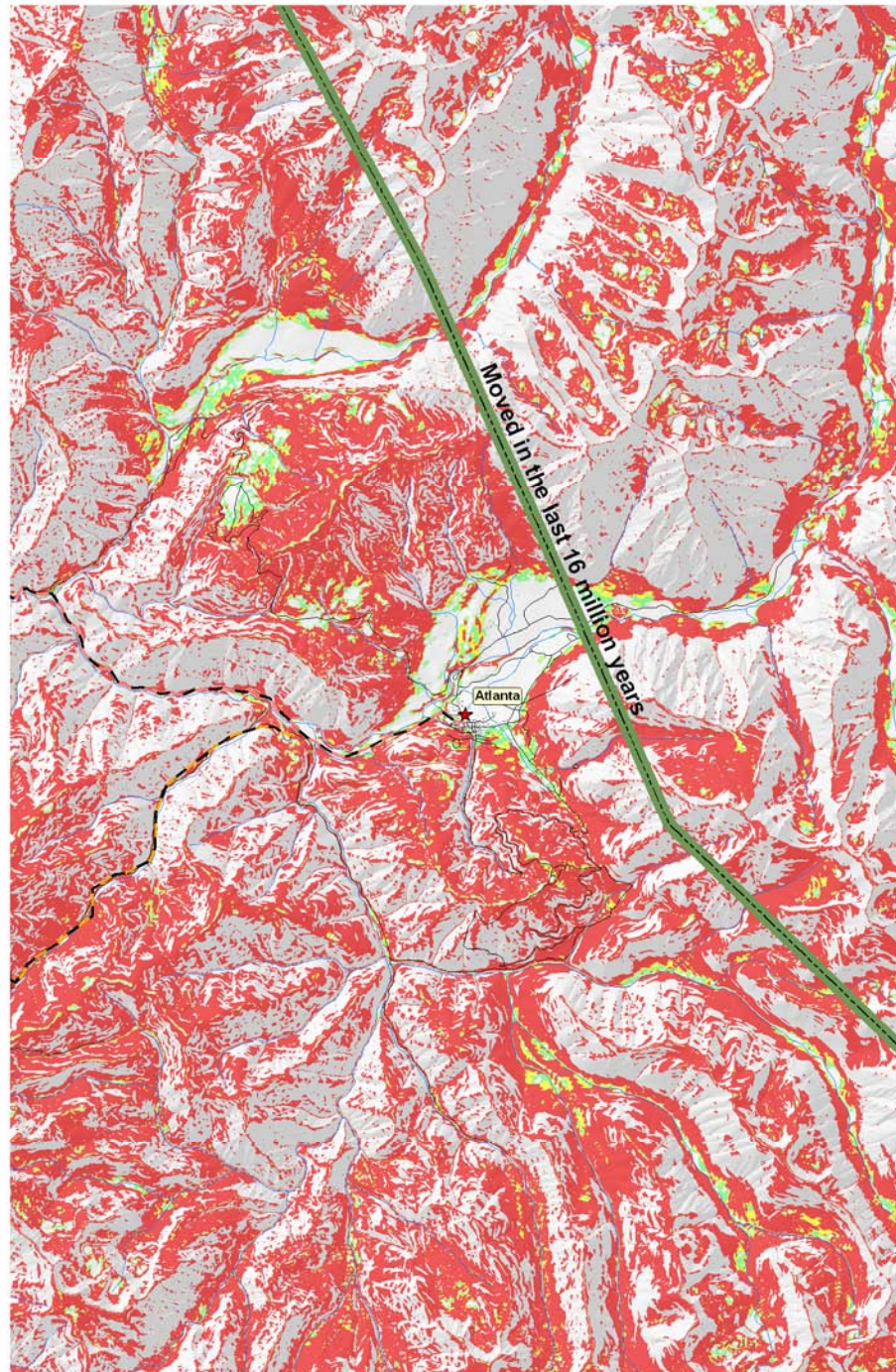
- Lesser Tertiary
- Major late Quaternary
- Trans_Challis Fault Zone
- Mountain Home AFB
- Open Water
- Elmore County

Soil Slide Potential

- Little or No Soil Risk
- High Soil Slide Risk

Landslide Prone Landscapes

- Little or no risk
- Moderate Risk
- High Risk
- Extreme Risk



Wildland Urban Interface near Atlanta, Elmore County

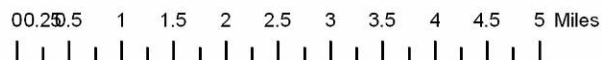
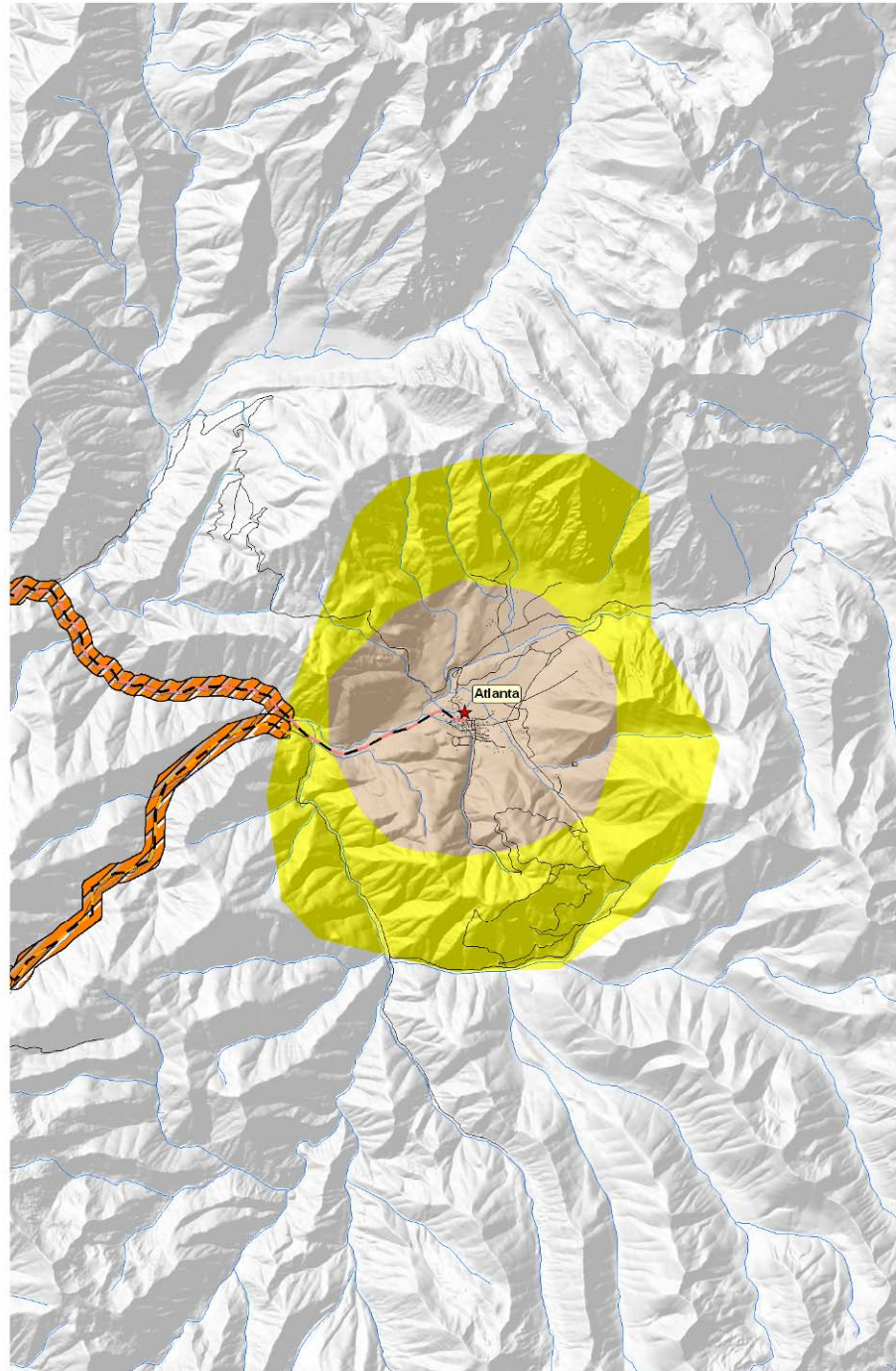
Elmore County All Hazard Mitigation Plan Wildland-Urban Interface Significant Infrastructure

Atlanta



Legend

- Structures
- ★ Communities
- Critical Infrastructure Components**
 - ⊙ ABOVE GROUND FUEL TANKS
 - ⊙ FUEL DEPOT
 - ⊙ GAS FIRED POWER PLANT
 - ⊙ NATURAL GAS SUB-STATION
 - ⊙ POWER SUB-STATION
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 - Surface Water
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 - Railroad
- FEMA Access**
 - Primary
 - Secondary
 - Emergency Escape Route
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 - Streams
- Mountain Home AFB
- Open Water
- Elmore County
- Access WUI
- High Density Urban**
 - Very High Density Urban
 - Moderate Density Urban
 - Low Density Urban
- WUI: Intermix & Interface**
 - High Density Interface
 - Medium Density Interface
 - Low Density Intermix
 - Rural Lands
 - Wild Lands



FEMA Flood Zones near Glenns Ferry, Elmore County

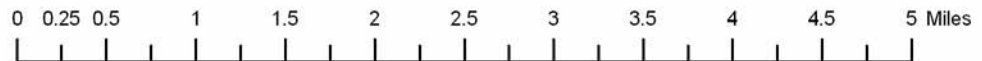
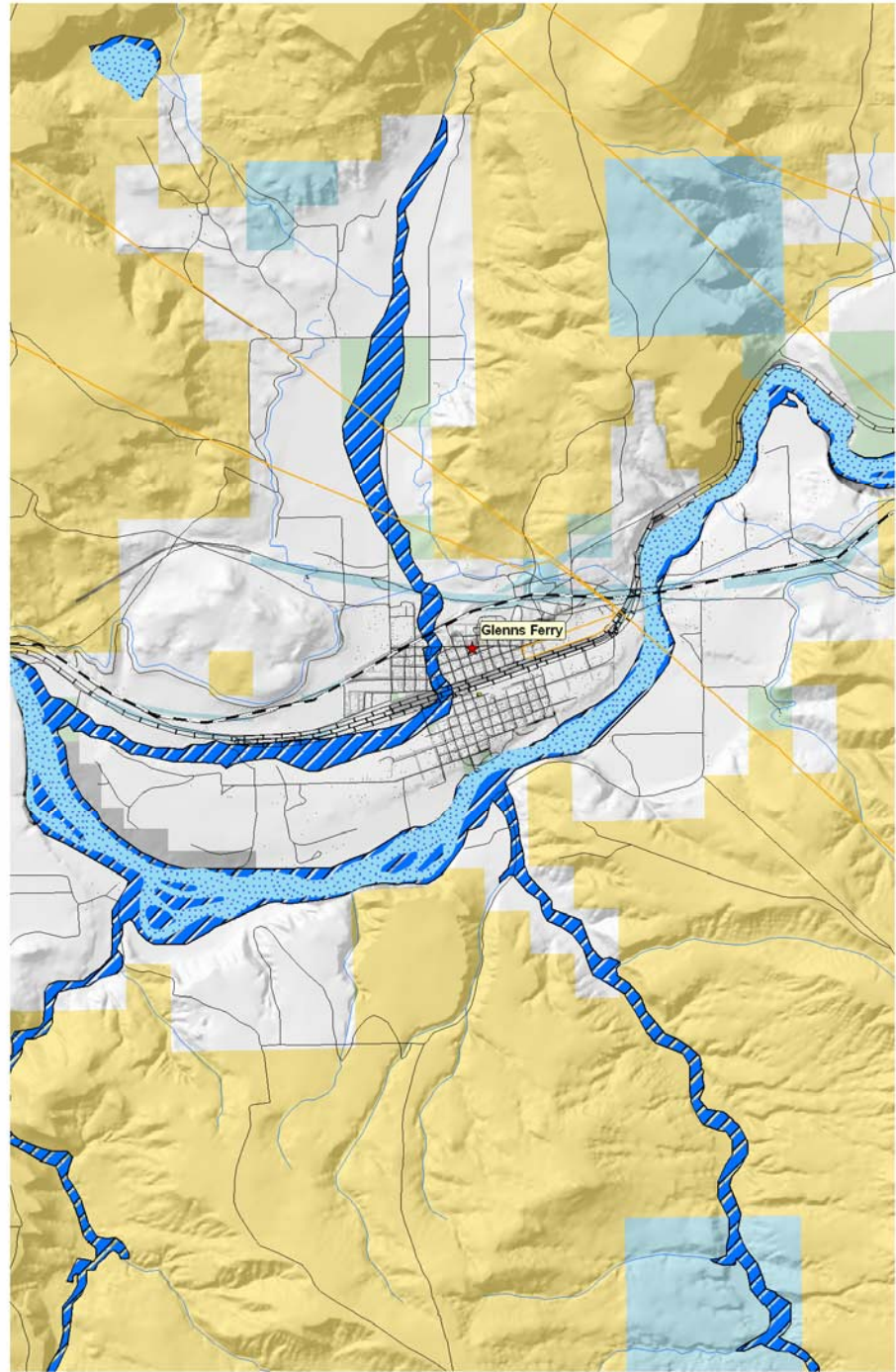
Elmore County All Hazard Mitigation Plan Land Ownership & FEMA Flood Zones

Glenns Ferry
(City)



Legend

- Structures
- ★ Communities
- Critical Infrastructure Components**
 - ABOVE GROUND FUEL TANKS
 - FUEL DEPOT
 - GAS FIRED POWER PLANT
 - NATURAL GAS SUB-STATION
 - POWER SUB-STATION
- Water Source Type**
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 - Surface Water
- Idaho Power: Lines
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- FEMA Access**
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 - Emergency Escape Route
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 - Streams
 - Mountain Home AFB
 - Open Water
 - FEMA Flood Zones
 - Elmore County
- Ownership Categories**
 - USFS
 - BLM
 - SNRA
 - OSLRR
 - MOUNTAIN HOME AFB
 - STATE
 - IDT
 - City & County
 - Private
 - Roads
 - Canals



Fire Prone Landscapes near Glenns Ferry, Elmore County

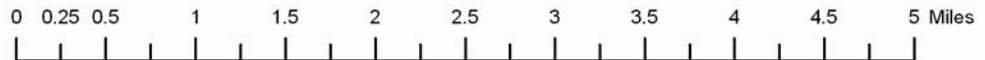
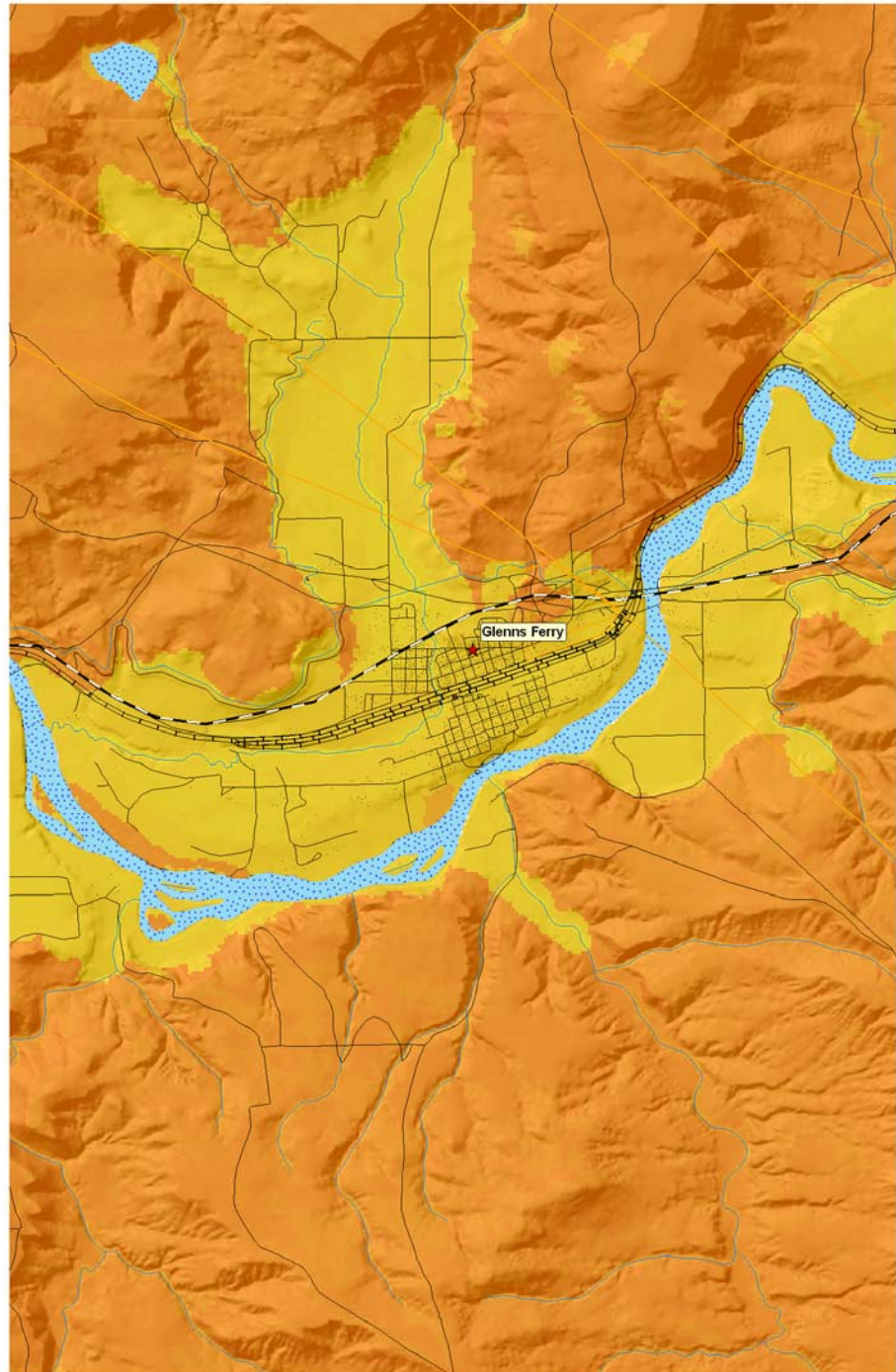
Elmore County All Hazard Mitigation Plan Fire Prone Landscapes Significant Infrastructure

Glenns Ferry
(City)



Legend

- Structures
- ★ Communities
- Critical Infrastructure Components**
 - ABOVE GROUND FUEL TANKS
 - FUEL DEPOT
 - GAS FIRED POWER PLANT
 - NATURAL GAS SUB-STATION
 - POWER SUB-STATION
- Water Source Type**
 - ▣ Groundwater
 - ▣ Spring-Groundwater
 - ▣ Surface Water
- Idaho Power: Lines
- ▬ Railroad
- FEMA Access**
 - ▬ Primary
 - ▬ Secondary
 - ▬ Emergency Escape Route
 - ▬ Roads
 - ▬ Streams
- ▭ Mountain Home AFB
- ▣ Open Water
- ▣ Elmore County
- ▣ High
- ▣ Fire Prone Landscapes
- ▣ Low



Landslide Prone Landscapes near Glenns Ferry, Elmore County

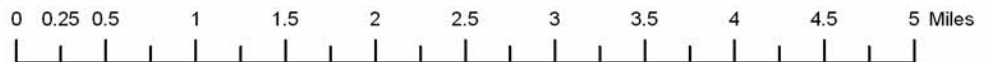
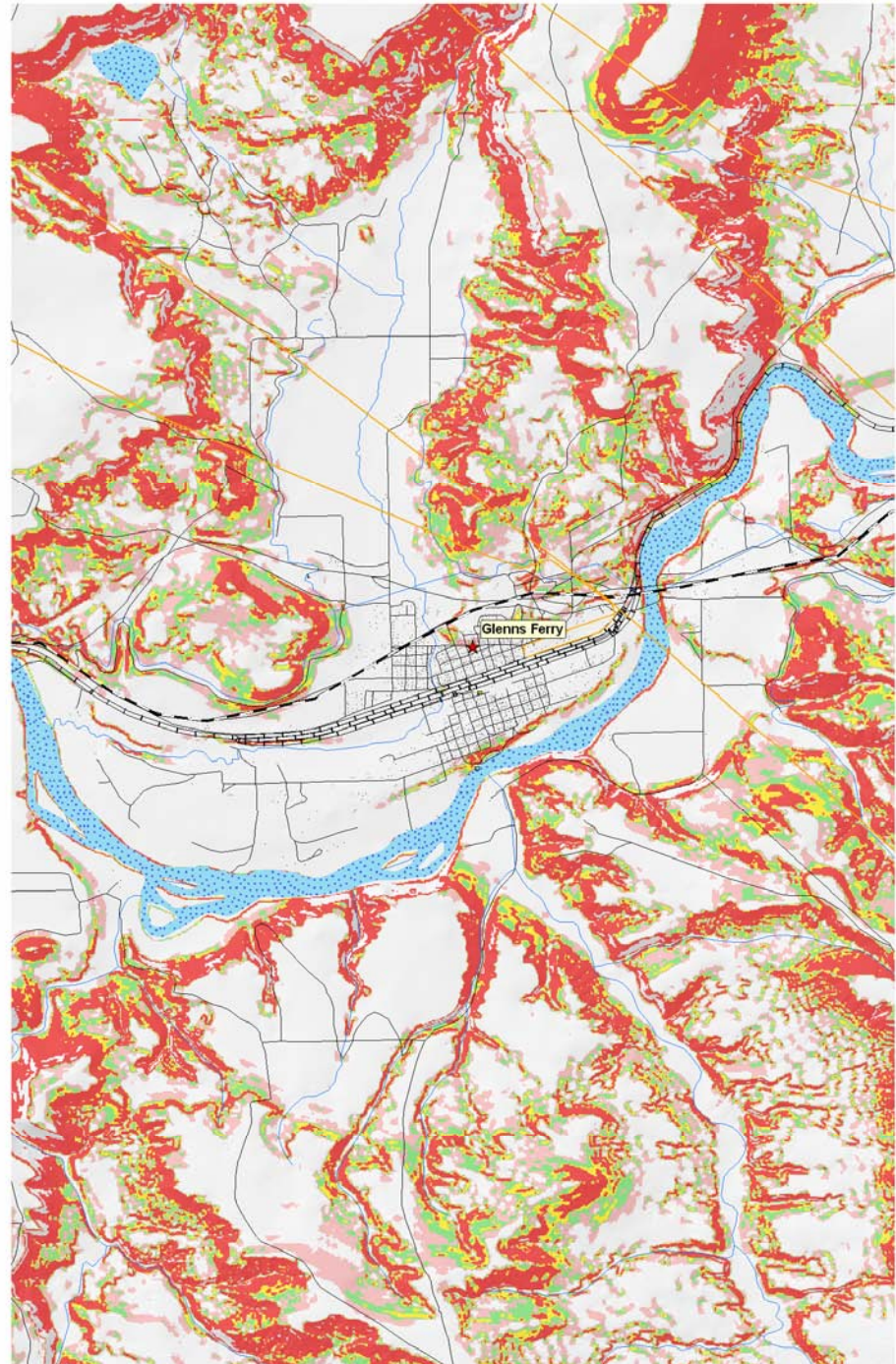
Elmore County All Hazard Mitigation Plan Fault Geology & Landslide Prone Landscapes

Glenns Ferry
(City)



Legend

- Structures
- ★ Communities
- High Risk Landslide Points
- Critical Infrastructure Components**
 - ABOVE GROUND FUEL TANKS
 - FUEL DEPOT
 - GAS FIRED POWER PLANT
 - NATURAL GAS SUB-STATION
 - POWER SUB-STATION
- Water Source Type**
 - Groundwater
 - Spring-Groundwater
 - Surface Water
 - Idaho Power: Lines
- Railroad
- FEMA Access**
 - Primary
 - Secondary
 - Emergency Escape Route
 - Roads
 - Streams
- Fault Classification**
 - Lesser Tertiary
 - Major late Quaternary
 - Trans_Challis Fault Zone
 - Mountain Home AFB
 - Open Water
 - Elmore County
- Soil Slide Potential**
 - Little or No Soil Risk
 - High Soil Slide Risk
- Landslide Prone Landscapes**
 - Little or no risk
 - Moderate Risk
 - High Risk
 - Extreme Risk



Wildland Urban Interface near Glenns Ferry, Elmore County

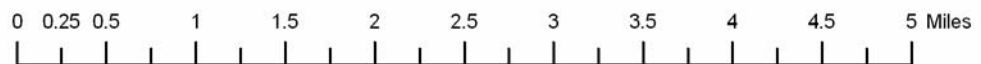
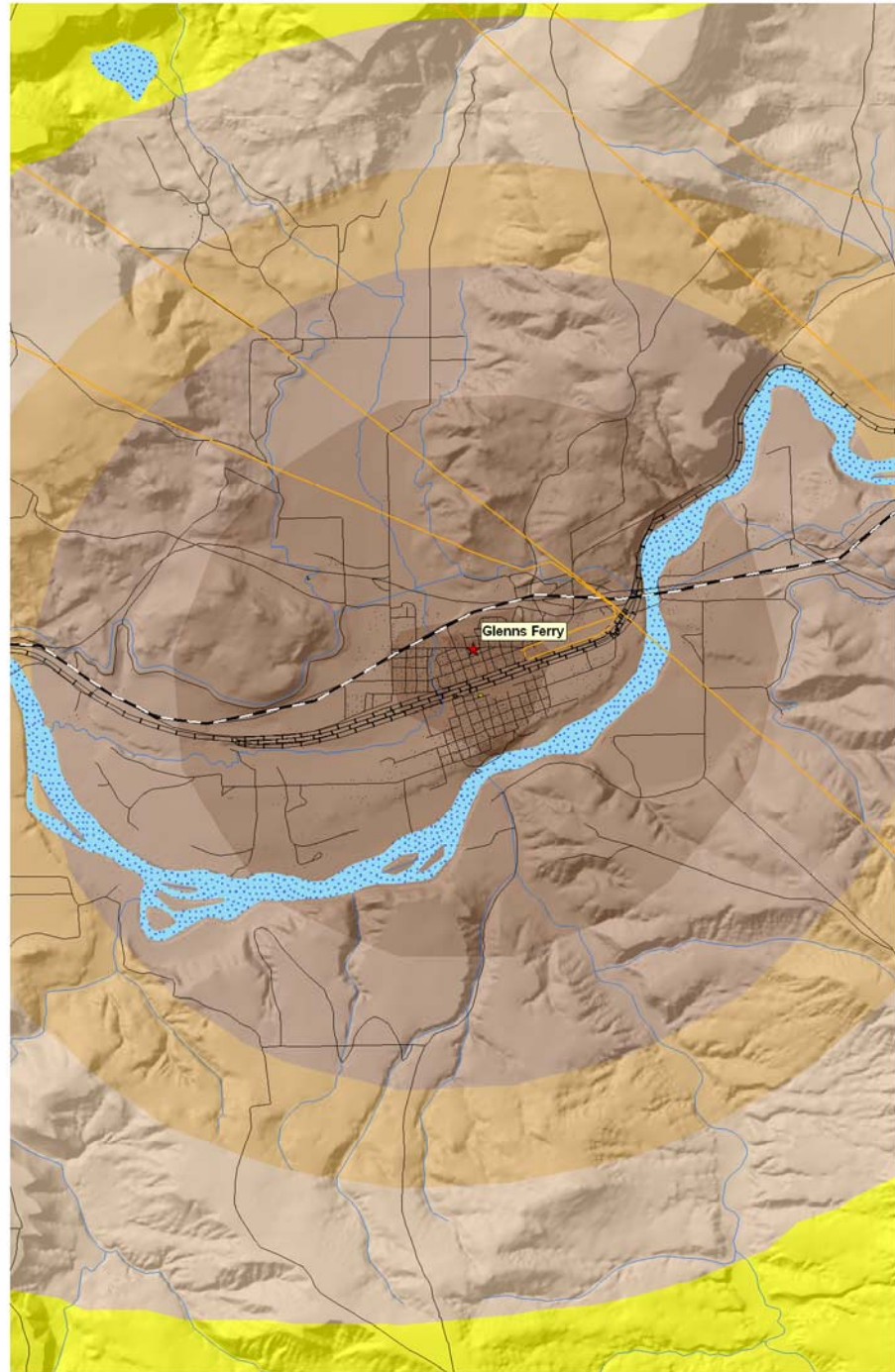
Elmore County All Hazard Mitigation Plan Wildland-Urban Interface Significant Infrastructure

Glenns Ferry
(City)



Legend

- Structures
- ★ Communities
- Critical Infrastructure Components**
 - ABOVE GROUND FUEL TANKS
 - FUEL DEPOT
 - GAS FIRED POWER PLANT
 - NATURAL GAS SUB-STATION
 - POWER SUB-STATION
- Water Source Type**
 - Groundwater
 - Spring-Groundwater
 - Surface Water
- Idaho Power: Lines
- Railroad
- FEMA Access**
 - Primary
 - Secondary
 - Emergency Escape Route
 - Roads
 - Streams
- Mountain Home AFB
- Open Water
- Elmore County
- Access WUI
- High Density Urban**
 - Very High Density Urban
 - Moderate Density Urban
 - Low Density Urban
- WUI: Intermix & Interface**
 - High Density Interface
 - Medium Density Interface
 - Low Density Intermix
 - Rural Lands
 - Wild Lands



FEMA Flood Zones near Grandview, Elmore County

Elmore County All Hazard Mitigation Plan Land Ownership & FEMA Flood Zones

Grandview &
Chattin Flats



Legend

- Structures
- ★ Communities
- High Risk Landslide Points

Critical Infrastructure Components

- ABOVE GROUND FUEL TANKS
- FUEL DEPOT
- GAS FIRED POWER PLANT
- NATURAL GAS SUB-STATION
- POWER SUB-STATION

Water Source Type

- Groundwater
- Spring-Groundwater
- Surface Water

- Idaho Power: Lines
- Railroad

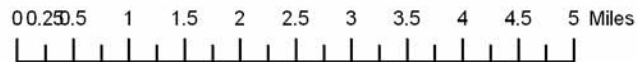
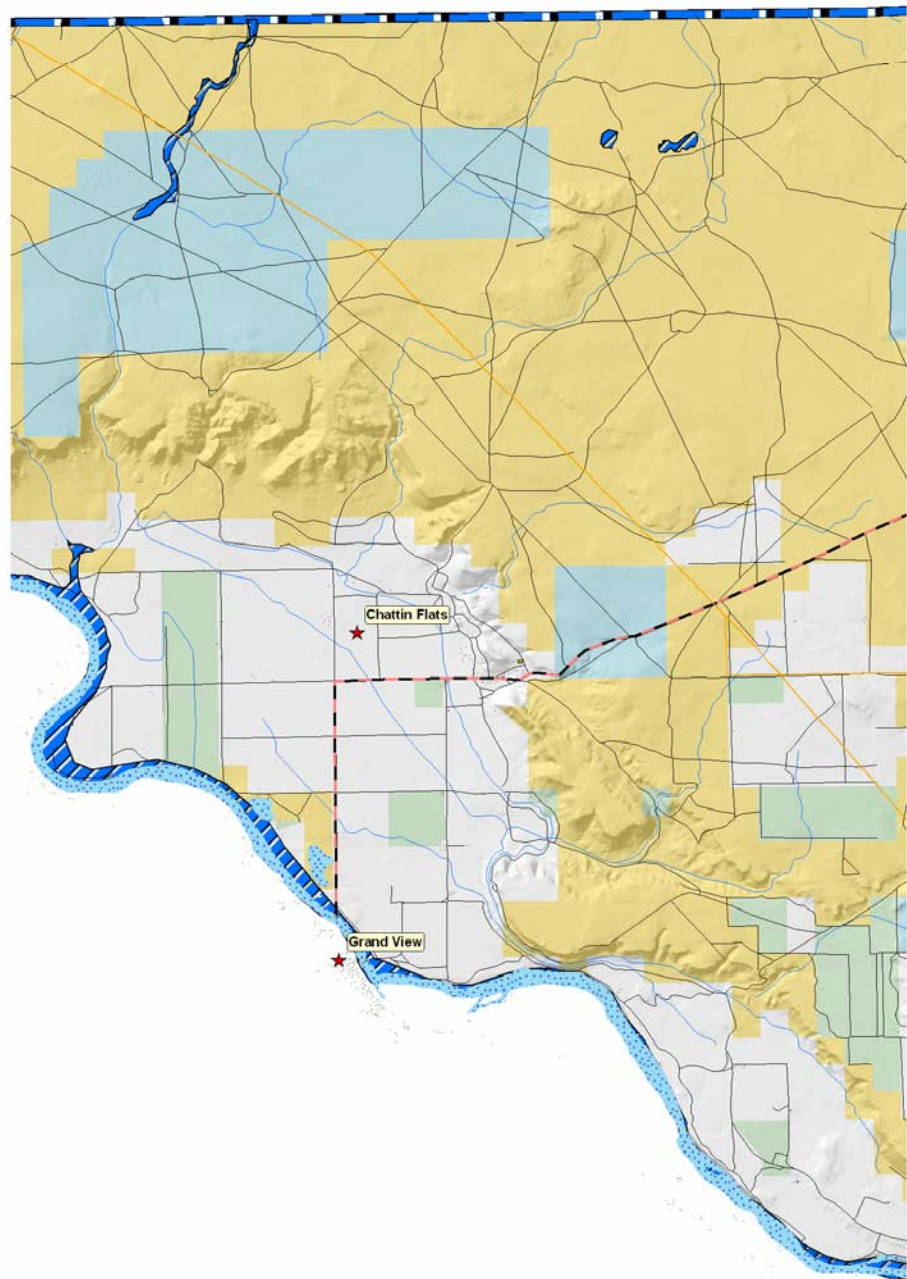
FEMA Access

- Primary
- Secondary
- Emergency Escape Route
- Roads
- Streams

- Mountain Home AFB
- Open Water
- FEMA Flood Zones
- Elmore County

Ownership Categories

- USFS
- BLM
- SNRA
- OSLRR
- MOUNTAIN HOME AFB
- STATE
- IDT
- City & County
- Private
- Roads
- Canals



Fire Prone Landscapes near Grandview, Elmore County

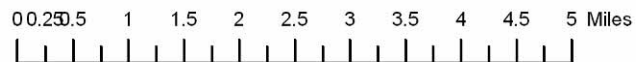
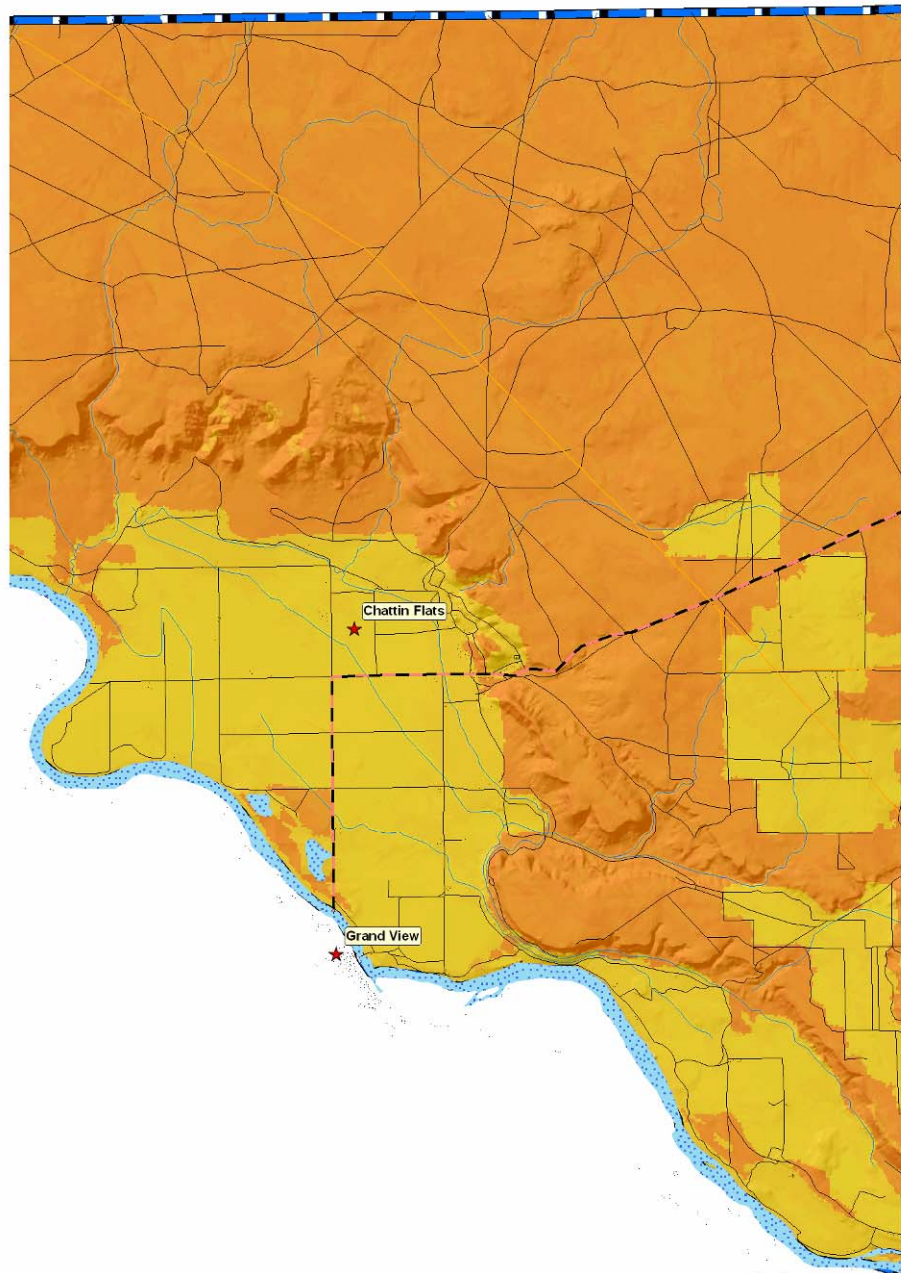
Elmore County All Hazard Mitigation Plan Fire Prone Landscapes Significant Infrastructure

Grandview &
Chattin Flats



Legend

- Structures
- ★ Communities
- High Risk Landslide Points
- Critical Infrastructure Components**
 - ABOVE GROUND FUEL TANKS
 - FUEL DEPOT
 - GAS FIRED POWER PLANT
 - NATURAL GAS SUB-STATION
 - POWER SUB-STATION
- Water Source Type**
 - Groundwater
 - Spring-Groundwater
 - Surface Water
- Idaho Power: Lines
- Railroad
- FEMA Access**
 - Primary
 - Secondary
 - Emergency Escape Route
 - Roads
 - Streams
- Mountain Home AFB
- Open Water
- Elmore County
- High
- Fire Prone Landscapes
- Low



Landslide Prone Landscapes near Grandview, Elmore County

Elmore County All Hazard Mitigation Plan Fault Geology & Landslide Prone Landscapes

Grandview &
Chattin Flats



Legend

- Structures
- ★ Communities
- High Risk Landslide Points

Critical Infrastructure Components

- ABOVE GROUND FUEL TANKS
- FUEL DEPOT
- GAS FIRED POWER PLANT
- NATURAL GAS SUB-STATION
- POWER SUB-STATION

Water Source Type

- Groundwater
- Spring-Groundwater
- Surface Water
- Idaho Power: Lines
- Railroad

FEMA Access

- Primary
- Secondary
- Emergency Escape Route
- Roads
- Streams

Fault Classification

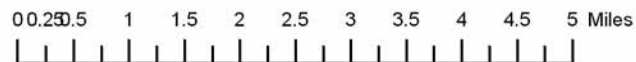
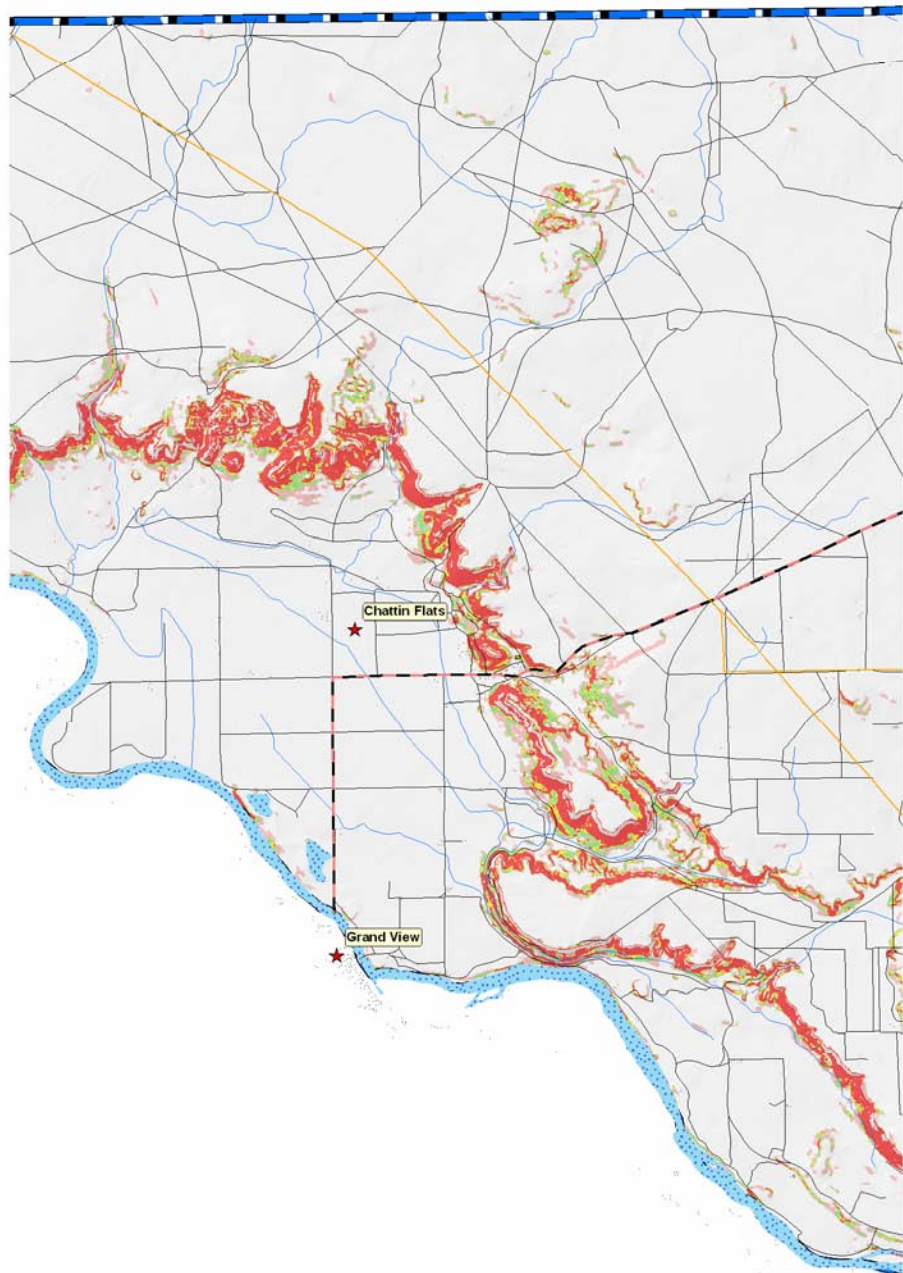
- Lesser Tertiary
- Major late Quaternary
- Trans_Challis Fault Zone
- Mountain Home AFB
- Open Water
- Elmore County

Soil Slide Potential

- Little or No Soil Risk
- High Soil Slide Risk

Landslide Prone Landscapes

- Little or no risk
- Moderate Risk
- High Risk
- Extreme Risk



Wildland Urban Interface near Grandview, Elmore County

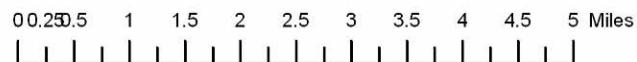
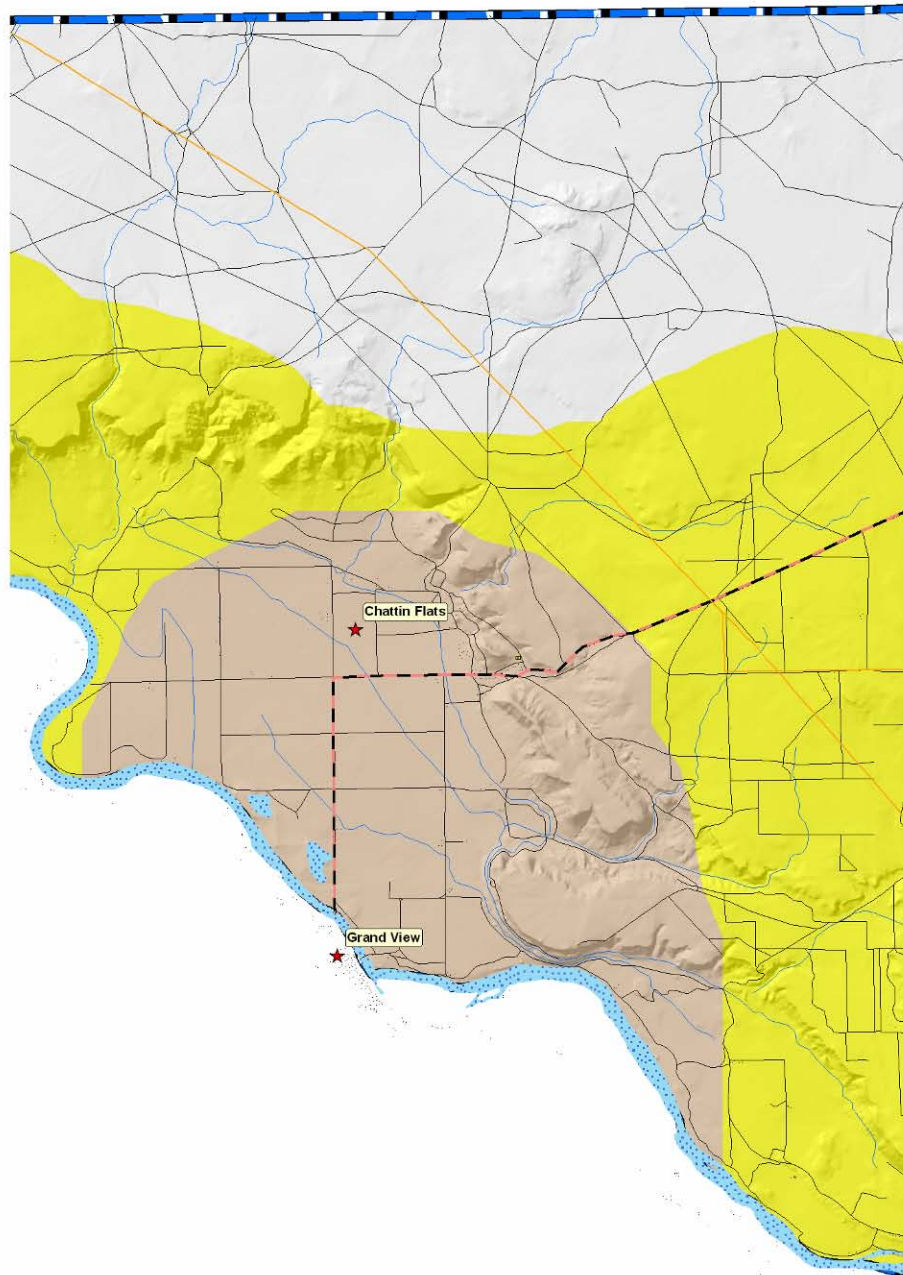
Elmore County All Hazard Mitigation Plan Wildland-Urban Interface Significant Infrastructure

Grandview &
Chattin Flats



Legend

- Structures
- ★ Communities
- Critical Infrastructure Components**
 - ABOVE GROUND FUEL TANKS
 - FUEL DEPOT
 - GAS FIRED POWER PLANT
 - NATURAL GAS SUB-STATION
 - POWER SUB-STATION
- Water Source Type**
 - Groundwater
 - Spring-Groundwater
 - Surface Water
- Idaho Power: Lines
- Railroad
- FEMA Access**
 - Primary
 - Secondary
 - Emergency Escape Route
 - Roads
 - Streams
- ▭ Mountain Home AFB
- ▭ Open Water
- ▭ Elmore County
- ▭ Access WUI
- High Density Urban**
 - Very High Density Urban
 - Moderate Density Urban
 - Low Density Urban
- WUI: Intermix & Interface**
 - High Density Interface
 - Medium Density Interface
 - Low Density Intermix
 - Rural Lands
 - Wild Lands



FEMA Flood Zones near Hammett, Elmore County

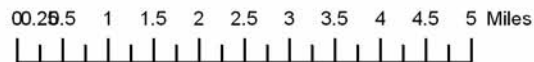
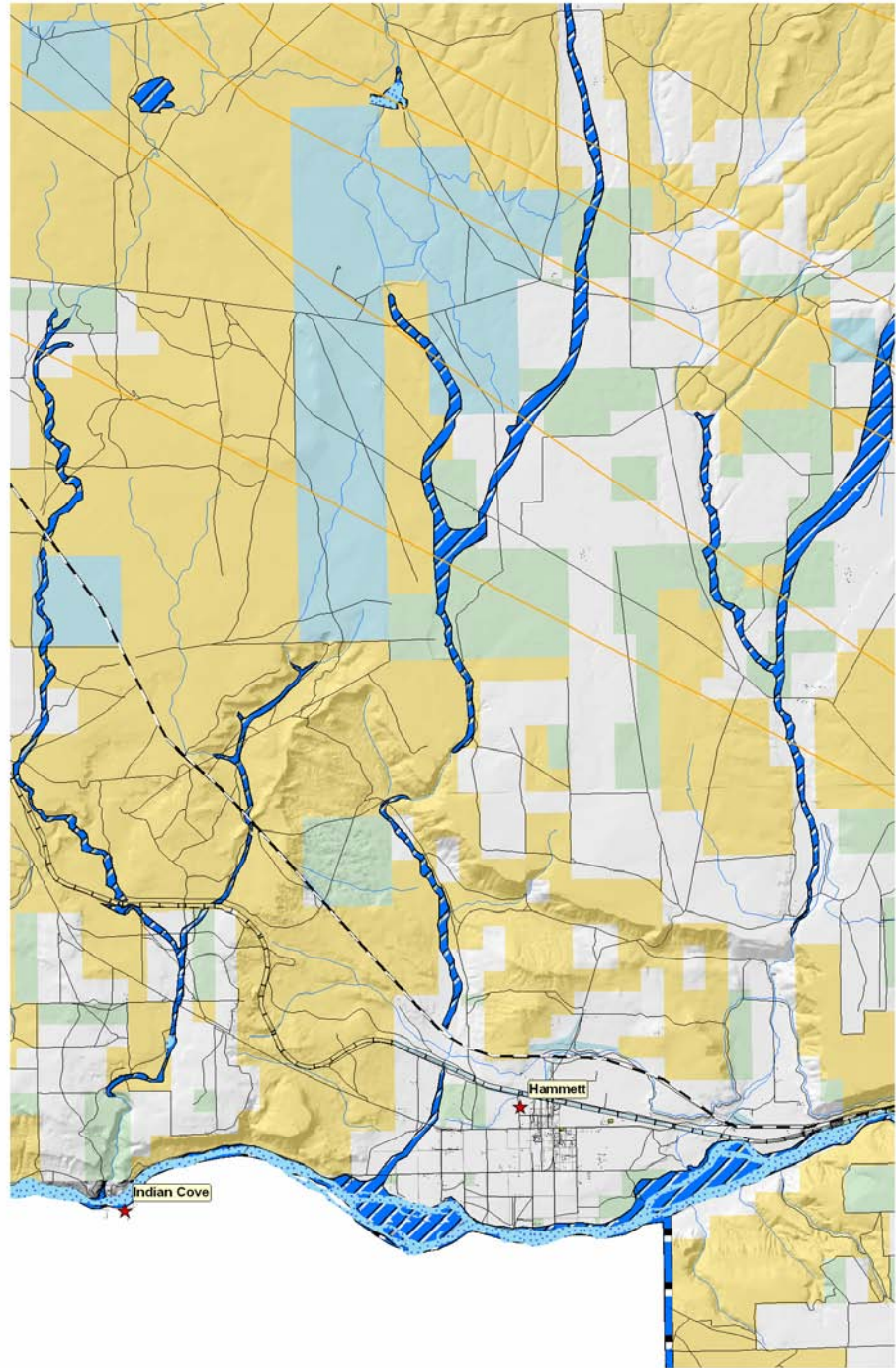
Elmore County All Hazard Mitigation Plan Land Ownership & FEMA Flood Zones

Hammett



Legend

- Structures
- ★ Communities
- Critical Infrastructure Components**
 - ABOVE GROUND FUEL TANKS
 - FUEL DEPOT
 - GAS FIRED POWER PLANT
 - NATURAL GAS SUB-STATION
 - POWER SUB-STATION
- Water Source Type**
 - ▣ Groundwater
 - ▣ Spring-Groundwater
 - ▣ Surface Water
- Idaho Power: Lines
- Railroad
- FEMA Access**
 - Primary
 - Secondary
 - Emergency Escape Route
 - Roads
 - Streams
 - ▣ Mountain Home AFB
 - ▣ Open Water
 - ▣ FEMA Flood Zones
 - ▣ Elmore County
- Ownership Categories**
 - ▣ USFS
 - ▣ BLM
 - ▣ SNRA
 - ▣ OSLRR
 - ▣ MOUNTAIN HOME AFB
 - ▣ STATE
 - ▣ IDT
 - ▣ City & County
 - ▣ Private
 - ▣ Roads
 - ▣ Canals



Fire Prone Landscapes near Hammett, Elmore County

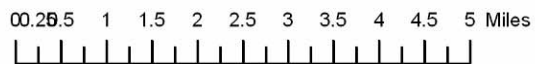
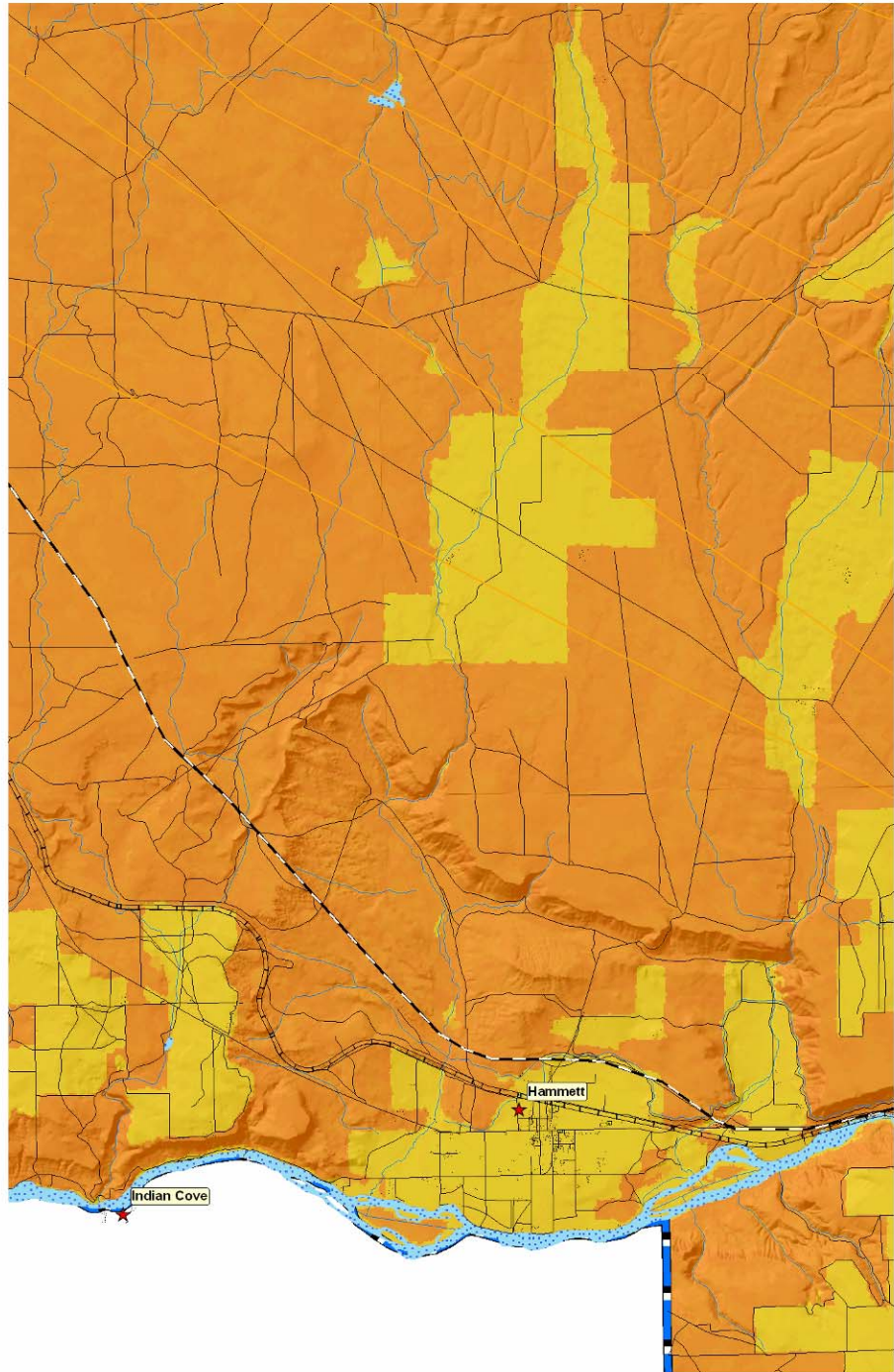
Elmore County All Hazard Mitigation Plan Fire Prone Landscapes Significant Infrastructure

Hammett



Legend

- Structures
- ★ Communities
- Critical Infrastructure Components**
 - ◆ ABOVE GROUND FUEL TANKS
 - ◆ FUEL DEPOT
 - ◆ GAS FIRED POWER PLANT
 - ◆ NATURAL GAS SUB-STATION
 - ◆ POWER SUB-STATION
- Water Source Type**
 - ▣ Groundwater
 - ▣ Spring-Groundwater
 - ▣ Surface Water
- Idaho Power: Lines
- Railroad
- FEMA Access**
 - Primary
 - Secondary
 - Emergency Escape Route
 - Roads
 - Streams
 - ▭ Mountain Home AFB
 - ▭ Open Water
 - ▭ Elmore County
 - ▭ High
 - ▭ Fire Prone Landscapes
 - ▭ Low



Landslide Prone Landscapes near Hammett, Elmore County

Elmore County All Hazard Mitigation Plan Fault Geology & Landslide Prone Landscapes

Hammett



Legend

- Structures
- ★ Communities
- High Risk Landslide Points

Critical Infrastructure Components

- ABOVE GROUND FUEL TANKS
- FUEL DEPOT
- GAS FIRED POWER PLANT
- NATURAL GAS SUB-STATION
- POWER SUB-STATION

Water Source Type

- Groundwater
- Spring-Groundwater
- Surface Water
- Idaho Power: Lines
- Railroad

FEMA Access

- Primary
- Secondary
- Emergency Escape Route
- Roads
- Streams

Fault Classification

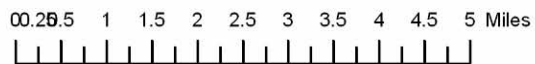
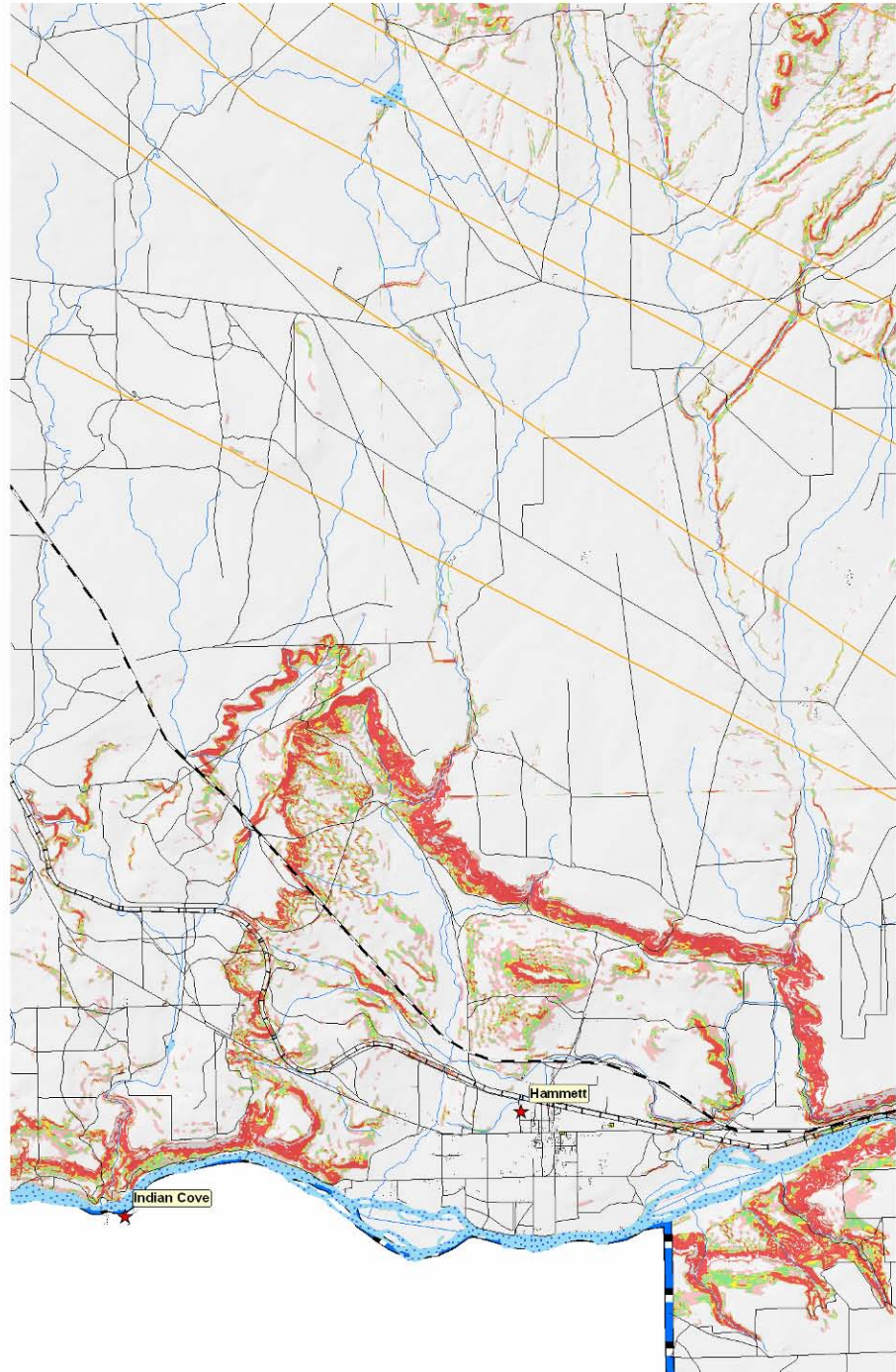
- Lesser Tertiary
- Major late Quaternary
- Trans_Challis Fault Zone
- Mountain Home AFB
- Open Water
- Elmore County

Soil Slide Potential

- Little or No Soil Risk
- High Soil Slide Risk

Landslide Prone Landscapes

- Little or no risk
- Moderate Risk
- High Risk
- Extreme Risk



Wildland Urban Interface near Hammett, Elmore County

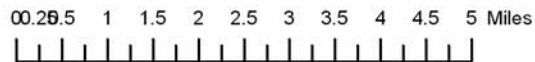
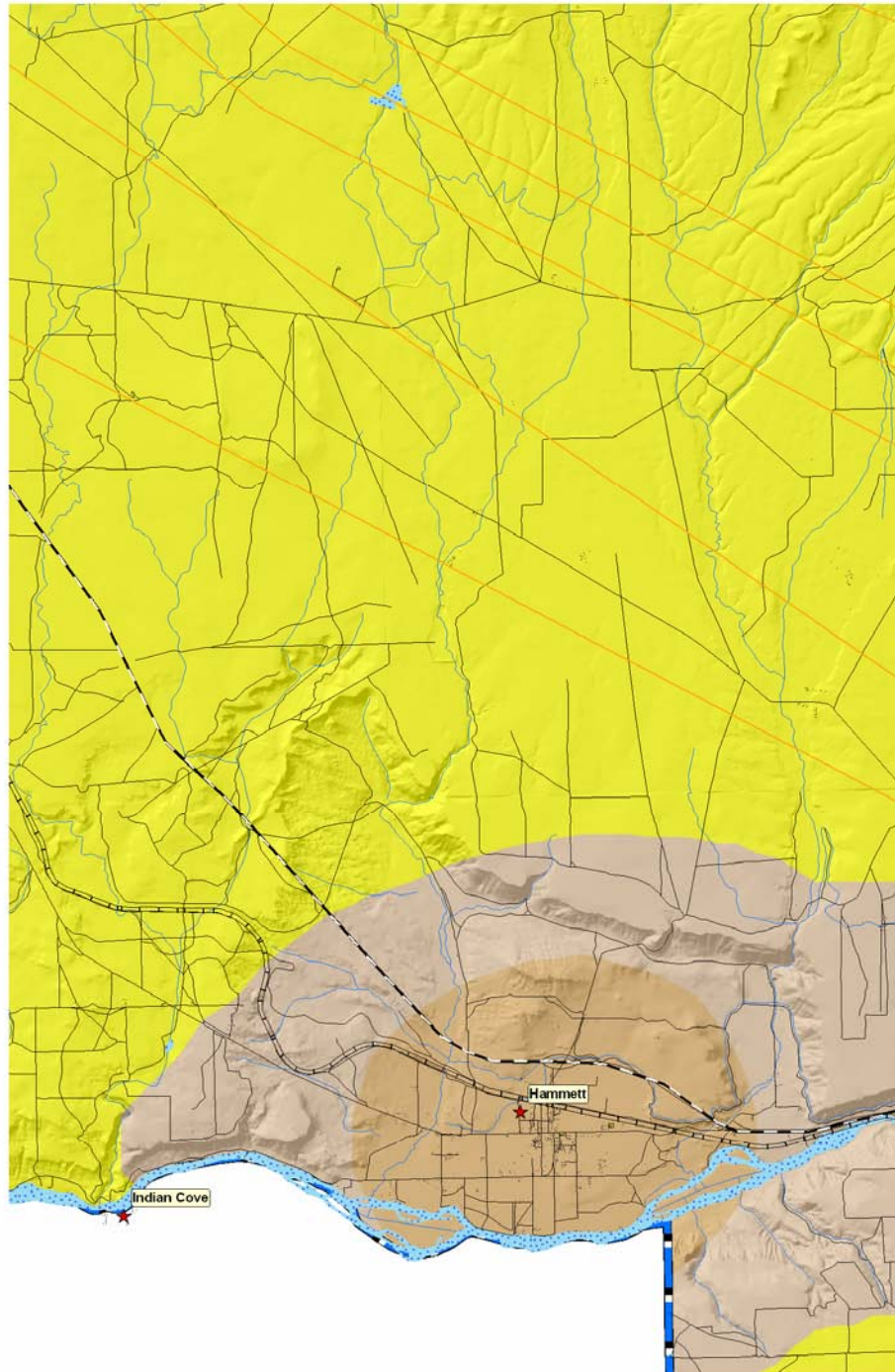
Elmore County All Hazard Mitigation Plan Wildland-Urban Interface Significant Infrastructure

Hammett



Legend

- Structures
- ★ Communities
- Critical Infrastructure Components**
 - ABOVE GROUND FUEL TANKS
 - FUEL DEPOT
 - GAS FIRED POWER PLANT
 - NATURAL GAS SUB-STATION
 - POWER SUB-STATION
- Water Source Type**
 - Groundwater
 - Spring-Groundwater
 - Surface Water
- Idaho Power: Lines
- Railroad
- FEMA Access**
 - Primary
 - Secondary
 - Emergency Escape Route
 - Roads
 - Streams
- Mountain Home AFB
- Open Water
- Elmore County
- Access WUI
- High Density Urban**
 - Very High Density Urban
 - Moderate Density Urban
 - Low Density Urban
- WUI: Intermix & Interface**
 - High Density Interface
 - Medium Density Interface
 - Low Density Intermix
 - Rural Lands
 - Wild Lands



FEMA Flood Zones near Mountain Home, Elmore County

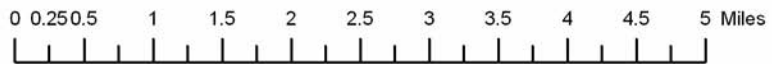
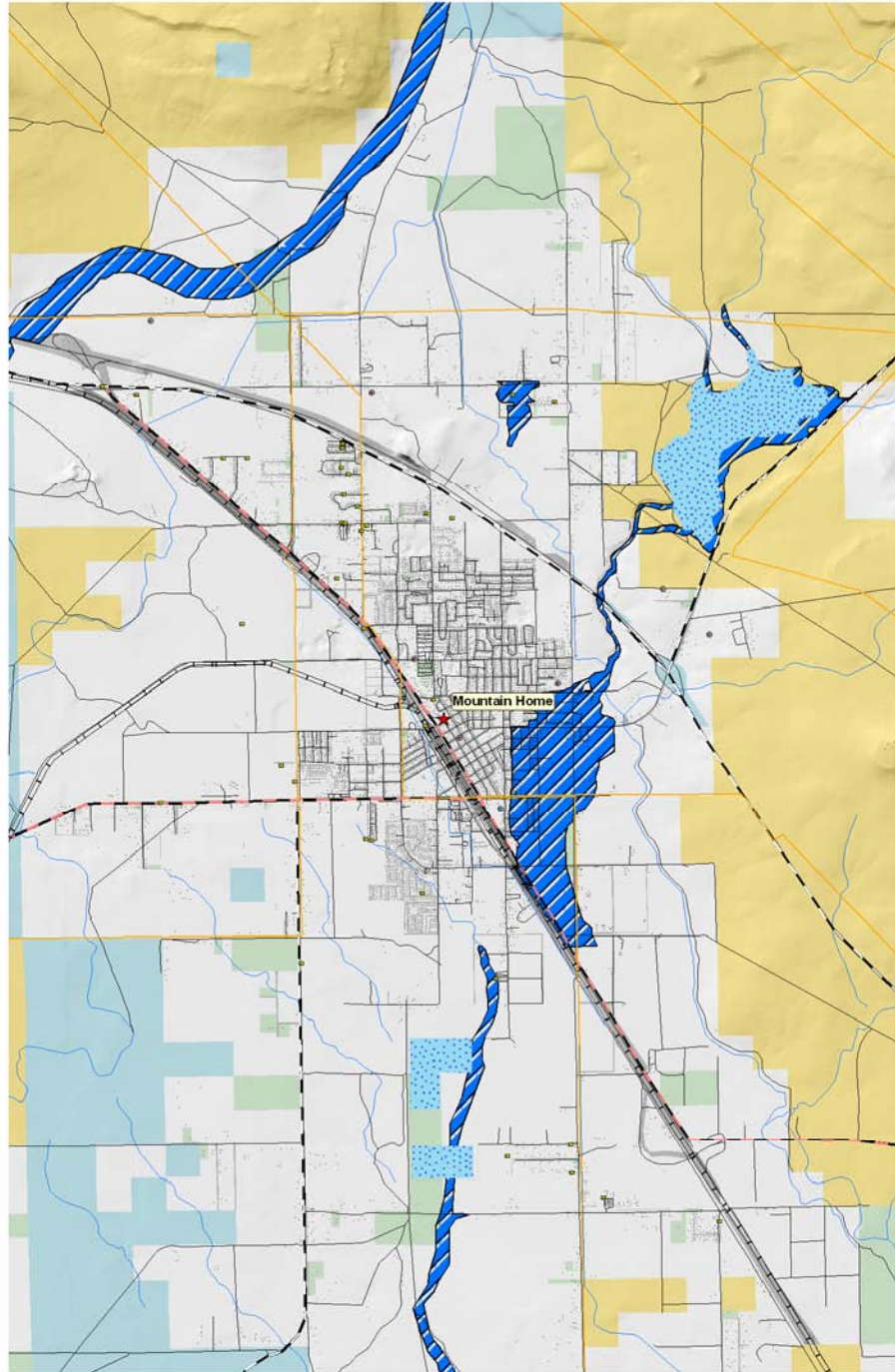
Elmore County All Hazard Mitigation Plan Land Ownership & FEMA Flood Zones

Mountain Home
(City)



Legend

- Structures
- ★ Communities
- Critical Infrastructure Components**
 - ABOVE GROUND FUEL TANKS
 - FUEL DEPOT
 - GAS FIRED POWER PLANT
 - NATURAL GAS SUB-STATION
 - POWER SUB-STATION
- Water Source Type**
 - Groundwater
 - Spring-Groundwater
 - Surface Water
 - Idaho Power: Lines
- FEMA Access**
 - Railroad
 - Primary
 - Secondary
 - Emergency Escape Route
 - Roads
 - Streams
 - ▭ Mountain Home AFB
 - ▭ Open Water
 - ▭ FEMA Flood Zones
 - ▭ Elmore County
- Ownership Categories**
 - USFS
 - BLM
 - SNRA
 - OSLRR
 - MOUNTAIN HOME AFB
 - STATE
 - IDT
 - City & County
 - Private
 - Roads
 - ▨ Canals



Fire Prone Landscapes near Mountain Home, Elmore County

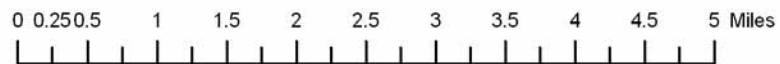
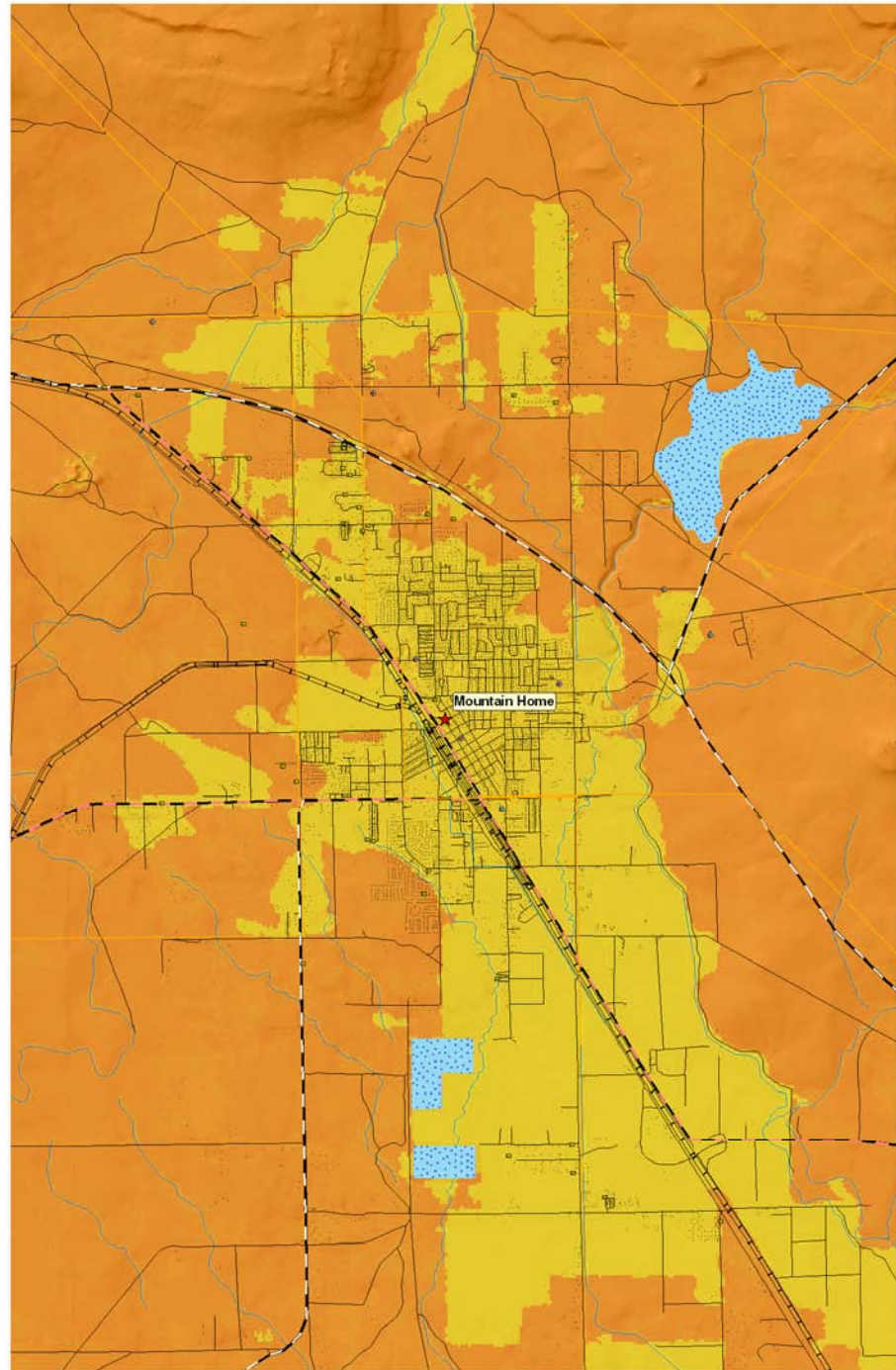
Elmore County All Hazard Mitigation Plan Fire Prone Landscapes Significant Infrastructure

Mountain Home
(City)



Legend

- Structures
- ★ Communities
- Critical Infrastructure Components**
 - ABOVE GROUND FUEL TANKS
 - FUEL DEPOT
 - GAS FIRED POWER PLANT
 - NATURAL GAS SUB-STATION
 - POWER SUB-STATION
- Water Source Type**
 - Groundwater
 - Spring-Groundwater
 - Surface Water
- Idaho Power: Lines
- Railroad
- FEMA Access**
 - Primary
 - Secondary
 - Emergency Escape Route
 - Roads
 - Streams
- ▭ Mountain Home AFB
- ▭ Open Water
- ▭ Elmore County
- ▭ High
- ▭ Fire Prone Landscapes
- ▭ Low



Landslide Prone Landscapes near Mountain Home, Elmore County

Elmore County All Hazard Mitigation Plan Fault Geology & Landslide Prone Landscapes

Mountain Home
(City)



Legend

- Structures
- ★ Communities
- High Risk Landslide Points

Critical Infrastructure Components

- ABOVE GROUND FUEL TANKS
- FUEL DEPOT
- GAS FIRED POWER PLANT
- NATURAL GAS SUB-STATION
- POWER SUB-STATION

Water Source Type

- Groundwater
- Spring-Groundwater
- Surface Water
- Idaho Power: Lines

Railroad

- Railroad

FEMA Access

- Primary
- Secondary
- Emergency Escape Route
- Roads
- Streams

Fault Classification

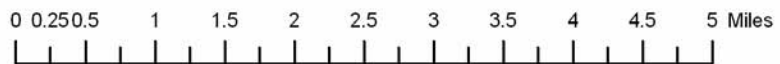
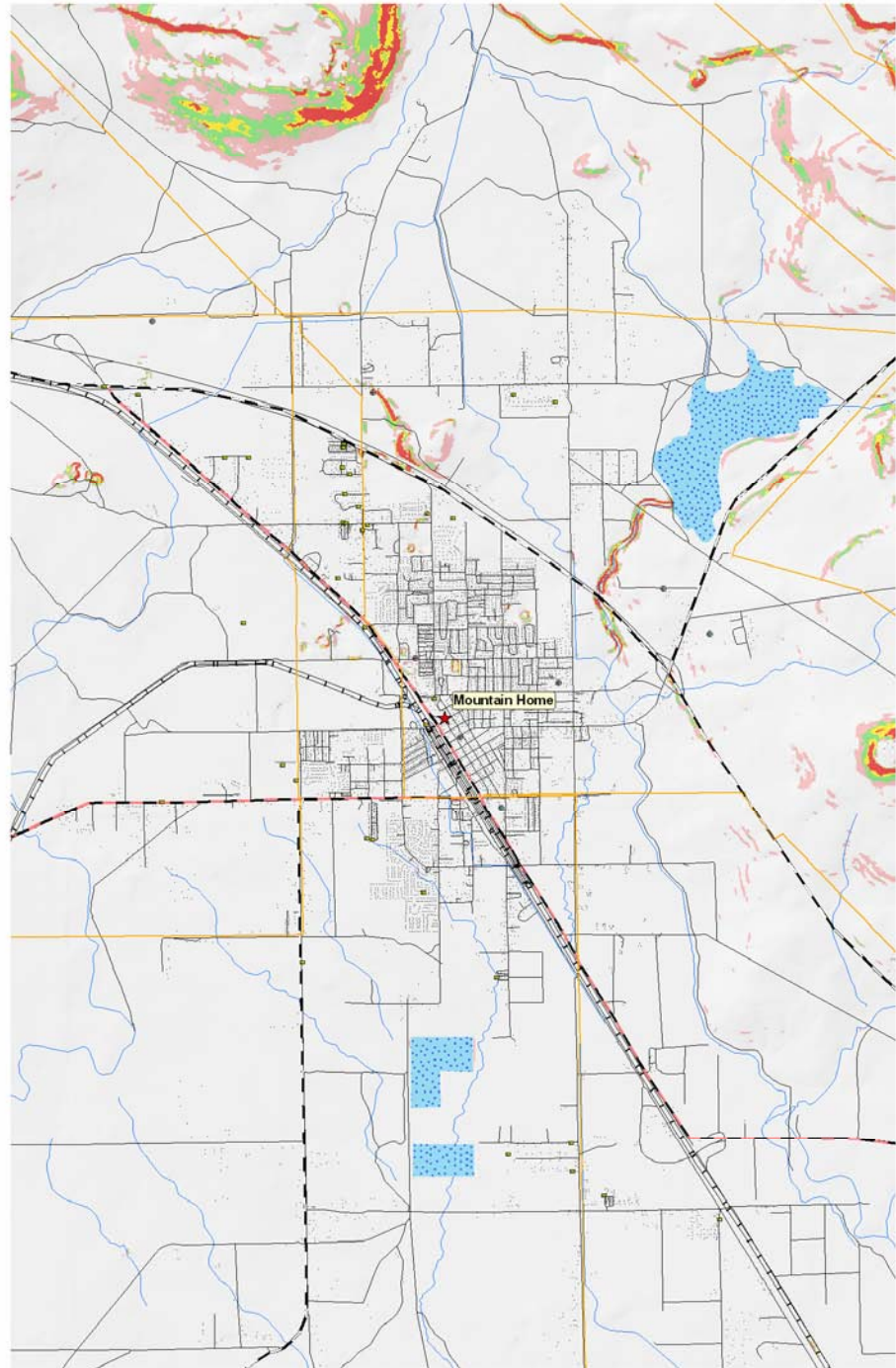
- Lesser Tertiary
- Major late Quaternary
- Trans_Challis Fault Zone
- Mountain Home AFB
- Open Water
- Elmore County

Soil Slide Potential

- Little or No Soil Risk
- High Soil Slide Risk

Landslide Prone Landscapes

- Little or no risk
- Moderate Risk
- High Risk
- Extreme Risk



Wildland Urban Interface near Mountain Home, Elmore County

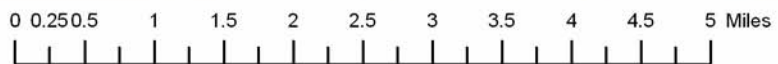
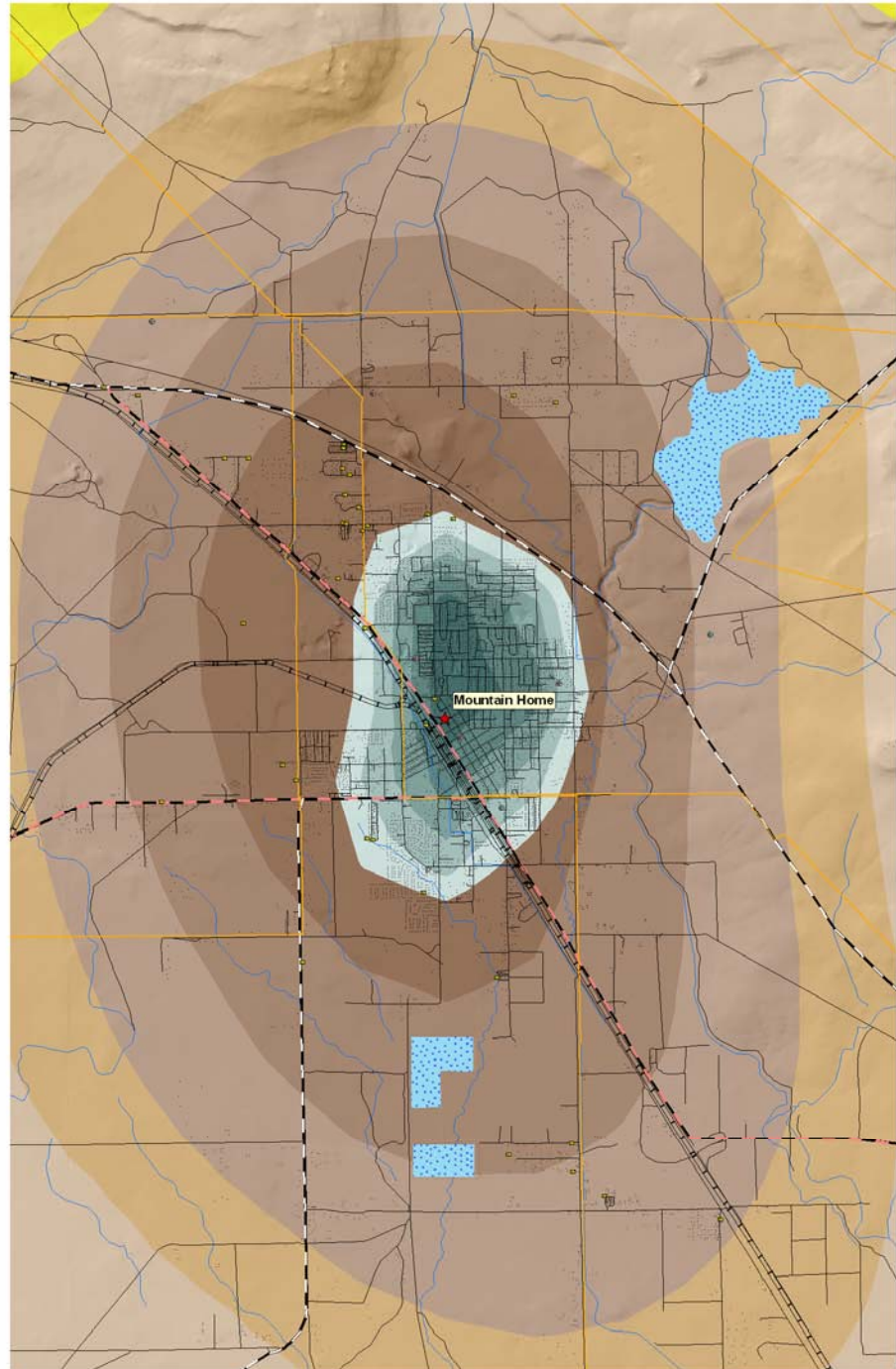
Elmore County All Hazard Mitigation Plan Wildland-Urban Interface Significant Infrastructure

Mountain Home
(City)



Legend

- Structures
- ★ Communities
- Critical Infrastructure Components**
 - ABOVE GROUND FUEL TANKS
 - FUEL DEPOT
 - GAS FIRED POWER PLANT
 - NATURAL GAS SUB-STATION
 - POWER SUB-STATION
- Water Source Type**
 - Groundwater
 - Spring-Groundwater
 - Surface Water
 - Idaho Power: Lines
 - Railroad
- FEMA Access**
 - Primary
 - Secondary
 - Emergency Escape Route
 - Roads
 - Streams
- Mountain Home AFB
- Open Water
- Elmore County
- Access WUI
- High Density Urban**
 - Very High Density Urban
 - Moderate Density Urban
 - Low Density Urban
- WUI: Intermix & Interface**
 - High Density Interface
 - Medium Density Interface
 - Low Density Intermix
 - Rural Lands
 - Wild Lands



FEMA Flood Zones near Oasis, Elmore County

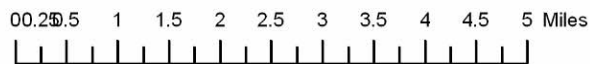
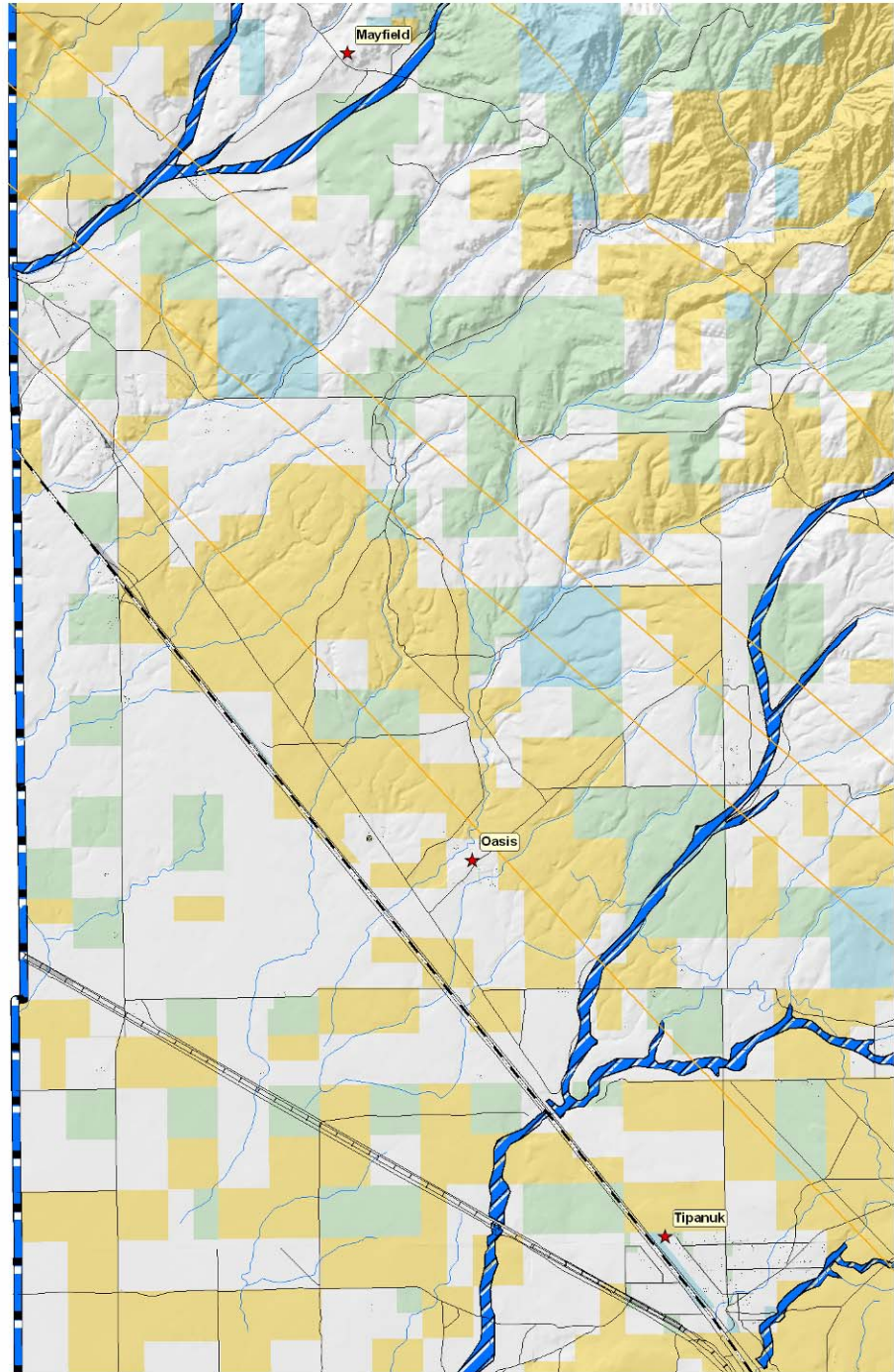
Elmore County All Hazard Mitigation Plan Land Ownership & FEMA Flood Zones

Tipanuk,
Oasis,
Mayfield



Legend

- Structures
- ★ Communities
- Critical Infrastructure Components**
 - ABOVE GROUND FUEL TANKS
 - FUEL DEPOT
 - GAS FIRED POWER PLANT
 - NATURAL GAS SUB-STATION
 - POWER SUB-STATION
- Water Source Type**
 - ▣ Groundwater
 - ▣ Spring-Groundwater
 - ▣ Surface Water
- Idaho Power: Lines
- Railroad
- FEMA Access**
 - Primary
 - Secondary
 - Emergency Escape Route
- Roads
- Streams
- ▣ Mountain Home AFB
- ▣ Open Water
- ▣ FEMA Flood Zones
- ▣ Elmore County
- Ownership Categories**
 - ▣ USFS
 - ▣ BLM
 - ▣ SNRA
 - ▣ OSLRR
 - ▣ MOUNTAIN HOME AFB
 - ▣ STATE
 - ▣ IDT
 - ▣ City & County
 - ▣ Private
 - ▣ Roads
 - ▣ Canals



Fire Prone Landscapes near Oasis, Elmore County

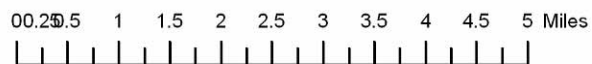
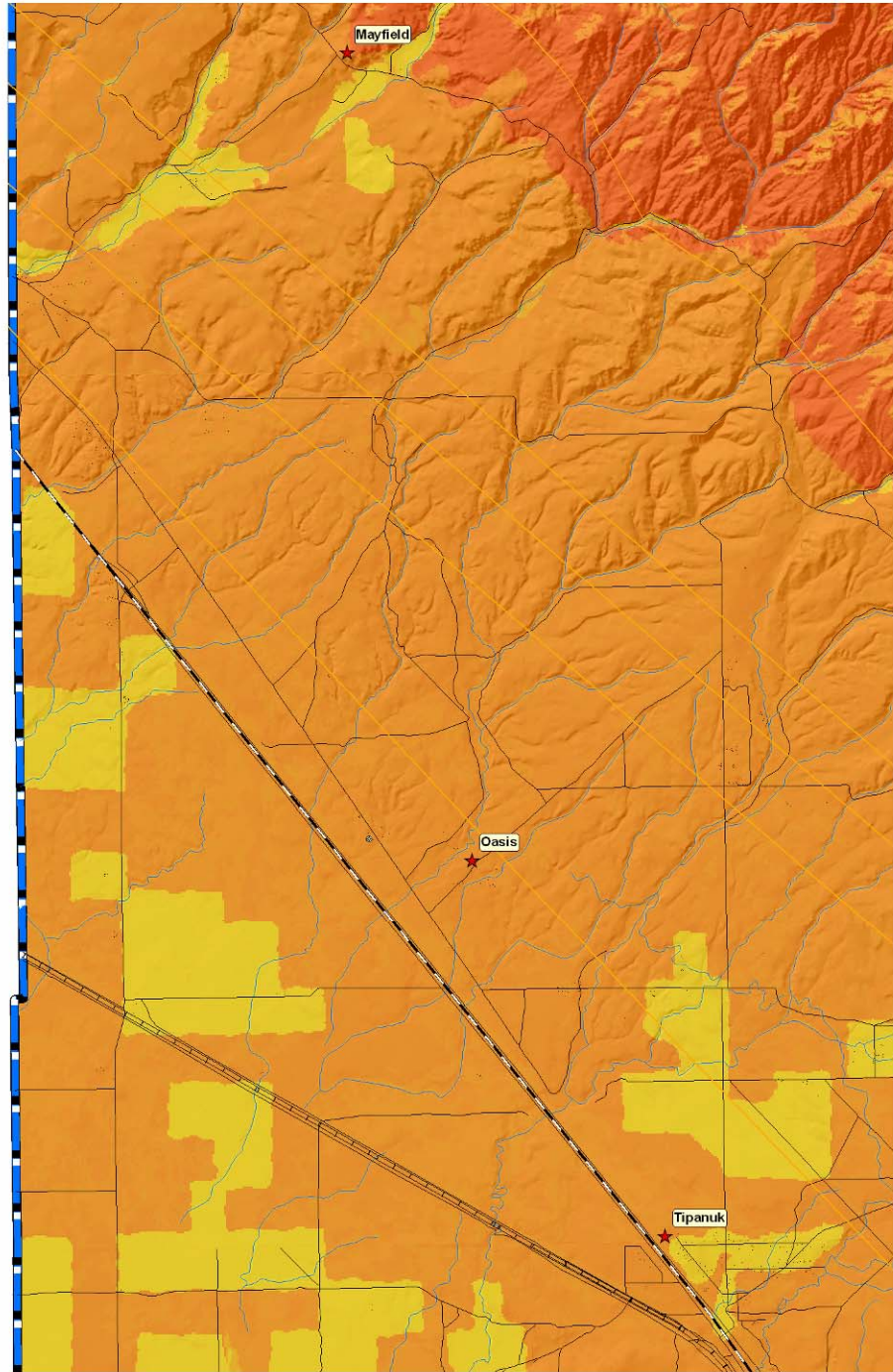
Elmore County All Hazard Mitigation Plan Fire Prone Landscapes Significant Infrastructure

Tipanuk,
Oasis,
Mayfield



Legend

- Structures
- ★ Communities
- Critical Infrastructure Components**
 - ABOVE GROUND FUEL TANKS
 - FUEL DEPOT
 - GAS FIRED POWER PLANT
 - NATURAL GAS SUB-STATION
 - POWER SUB-STATION
- Water Source Type**
 - ▣ Groundwater
 - ▣ Spring-Groundwater
 - ▣ Surface Water
- Idaho Power: Lines
- Railroad
- FEMA Access**
 - Primary
 - Secondary
 - Emergency Escape Route
 - Roads
 - Streams
 - ▣ Mountain Home AFB
 - ▣ Open Water
 - ▣ Elmore County
 - ▣ High
 - ▣ Fire Prone Landscapes
 - ▣ Low



Landslide Prone Landscapes near Oasis, Elmore County

Elmore County All Hazard Mitigation Plan Fault Geology & Landslide Prone Landscapes

Tipanuk,
Oasis,
Mayfield



Legend

- Structures
- ★ Communities
- High Risk Landslide Points

Critical Infrastructure Components

- ABOVE GROUND FUEL TANKS
- FUEL DEPOT
- GAS FIRED POWER PLANT
- NATURAL GAS SUB-STATION
- POWER SUB-STATION

Water Source Type

- Groundwater
- Spring-Groundwater
- Surface Water
- Idaho Power: Lines

Railroad

- Railroad

FEMA Access

- Primary
- Secondary
- Emergency Escape Route
- Roads
- Streams

Fault Classification

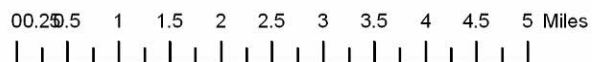
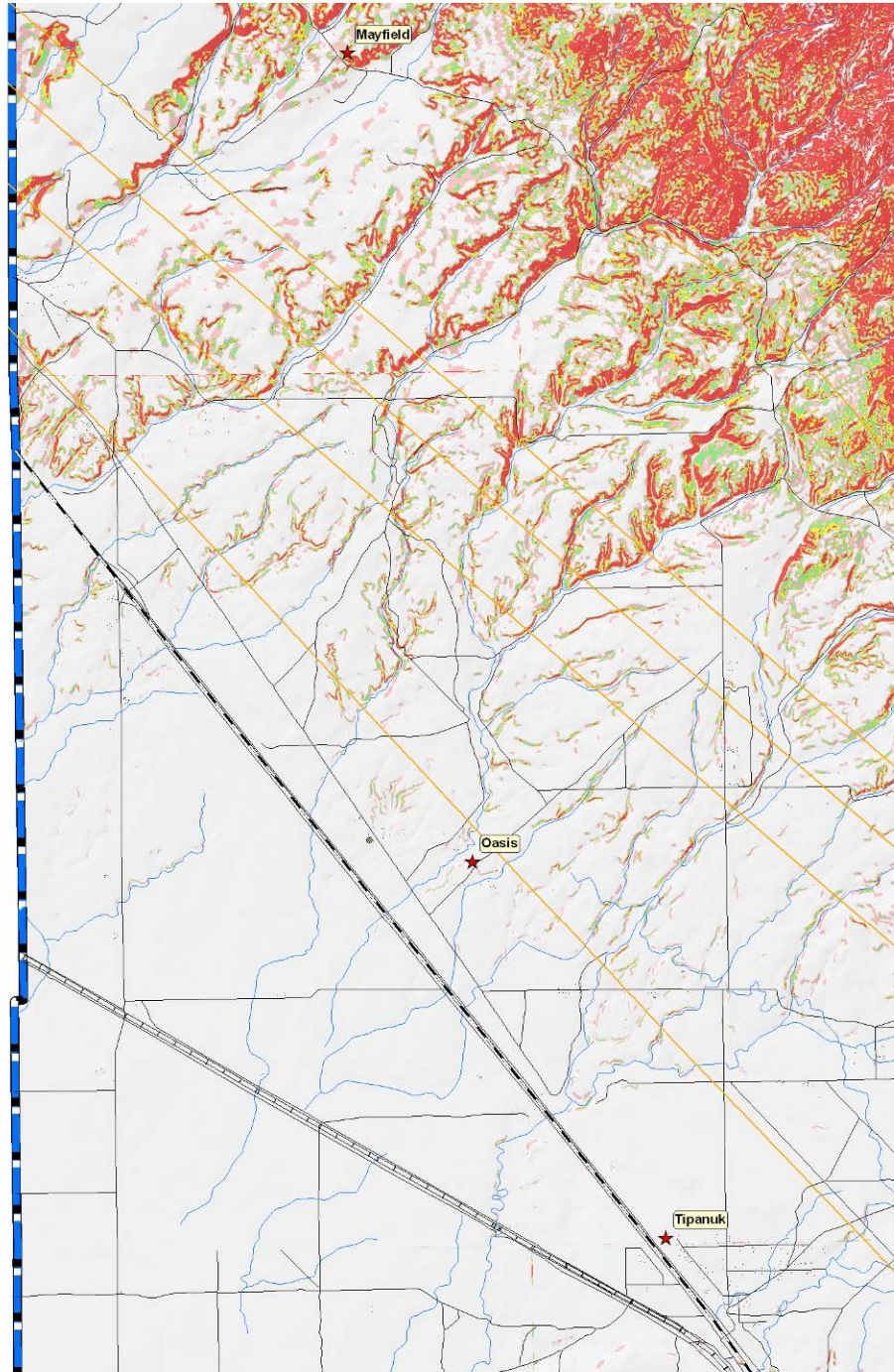
- Lesser Tertiary
- Major late Quaternary
- Trans_Challis Fault Zone
- Mountain Home AFB
- Open Water
- Elmore County

Soil Slide Potential

- Little or No Soil Risk
- High Soil Slide Risk

Landslide Prone Landscapes

- Little or no risk
- Moderate Risk
- High Risk
- Extreme Risk



Wildland Urban Interface near Oasis, Elmore County

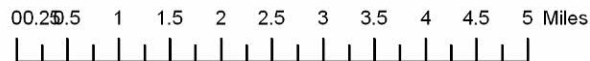
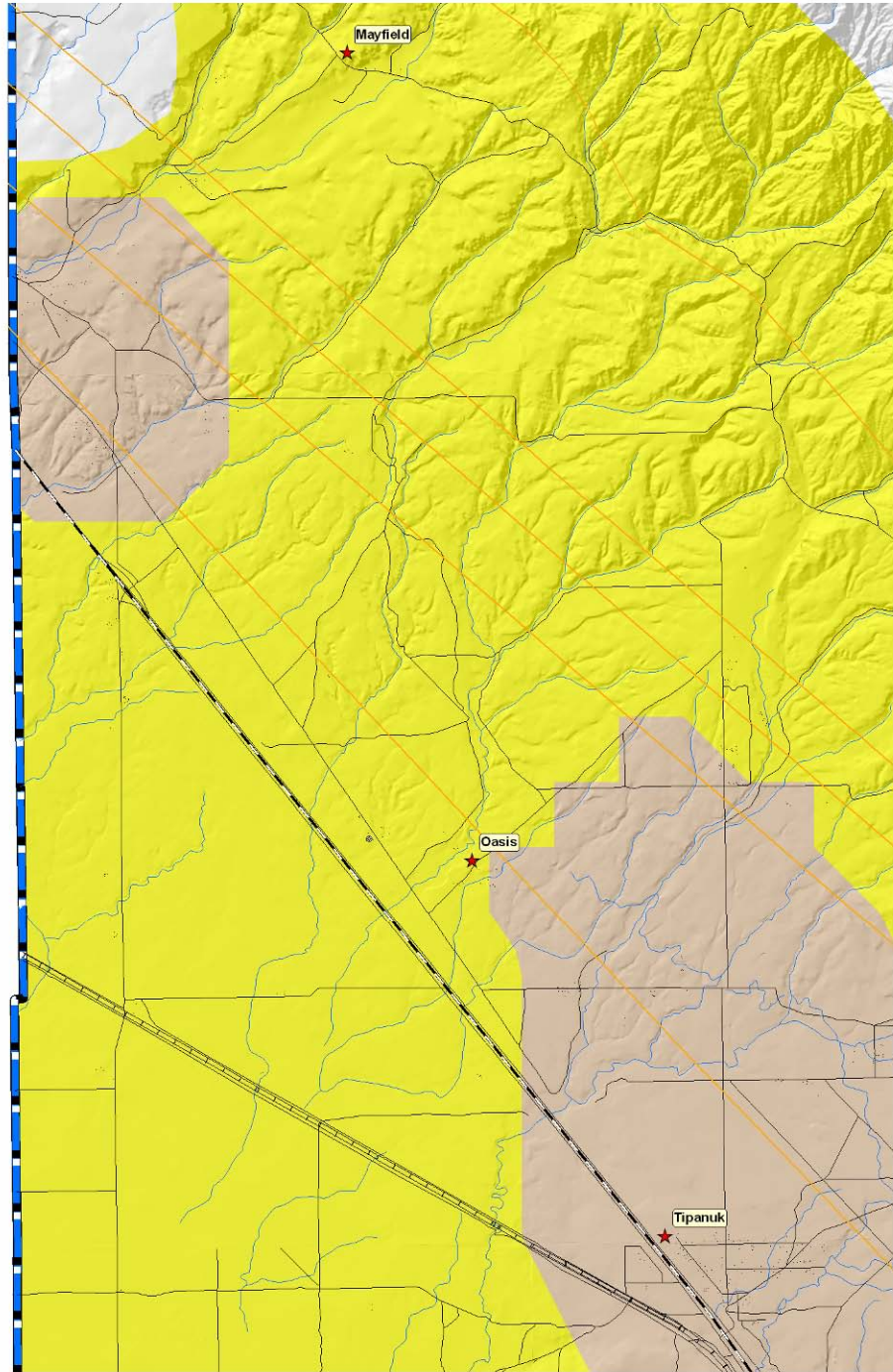
Elmore County All Hazard Mitigation Plan Wildland-Urban Interface Significant Infrastructure

Tipanuk,
Oasis,
Mayfield



Legend

- Structures
- ★ Communities
- Critical Infrastructure Components**
 - ABOVE GROUND FUEL TANKS
 - FUEL DEPOT
 - GAS FIRED POWER PLANT
 - NATURAL GAS SUB-STATION
 - POWER SUB-STATION
- Water Source Type**
 - Groundwater
 - Spring-Groundwater
 - Surface Water
- Idaho Power: Lines
- Railroad
- FEMA Access**
 - Primary
 - Secondary
 - Emergency Escape Route
 - Roads
 - Streams
- ▭ Mountain Home AFB
- ▭ Open Water
- ▭ Elmore County
- ▭ Access WUI
- High Density Urban**
 - ▭ Very High Density Urban
 - ▭ Moderate Density Urban
 - ▭ Low Density Urban
- WUI: Intermix & Interface**
 - ▭ High Density Interface
 - ▭ Medium Density Interface
 - ▭ Low Density Intermix
 - ▭ Rural Lands
 - ▭ Wild Lands



FEMA Flood Zones near Pine, Elmore County

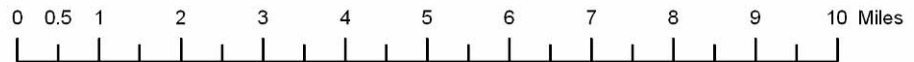
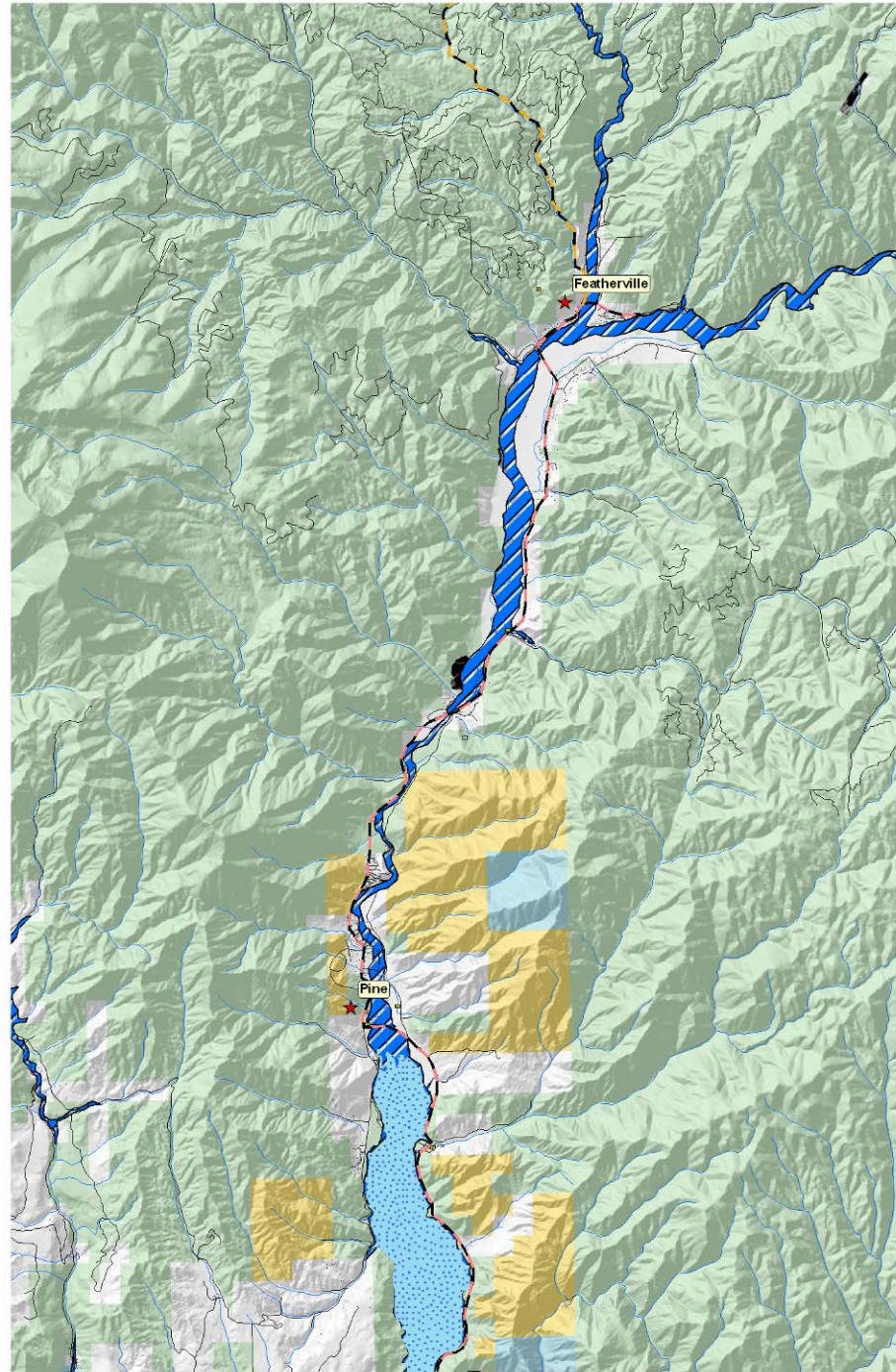
Elmore County All Hazard Mitigation Plan Land Ownership & FEMA Flood Zones

Pine
Featherville



Legend

- Structures
- ★ Communities
- Critical Infrastructure Components**
 - ABOVE GROUND FUEL TANKS
 - FUEL DEPOT
 - GAS FIRED POWER PLANT
 - NATURAL GAS SUB-STATION
 - POWER SUB-STATION
- Water Source Type**
 - Groundwater
 - Spring-Groundwater
 - Surface Water
- Idaho Power: Lines
- Railroad
- FEMA Access**
 - Primary
 - Secondary
 - Emergency Escape Route
 - Roads
 - Streams
- Mountain Home AFB
- Open Water
- FEMA Flood Zones
- Elmore County
- Ownership Categories**
 - USFS
 - BLM
 - SNRA
 - OSLRR
 - MOUNTAIN HOME AFB
 - STATE
 - IDT
 - City & County
 - Private
 - Roads
 - Canals



Fire Prone Landscapes near Pine, Elmore County

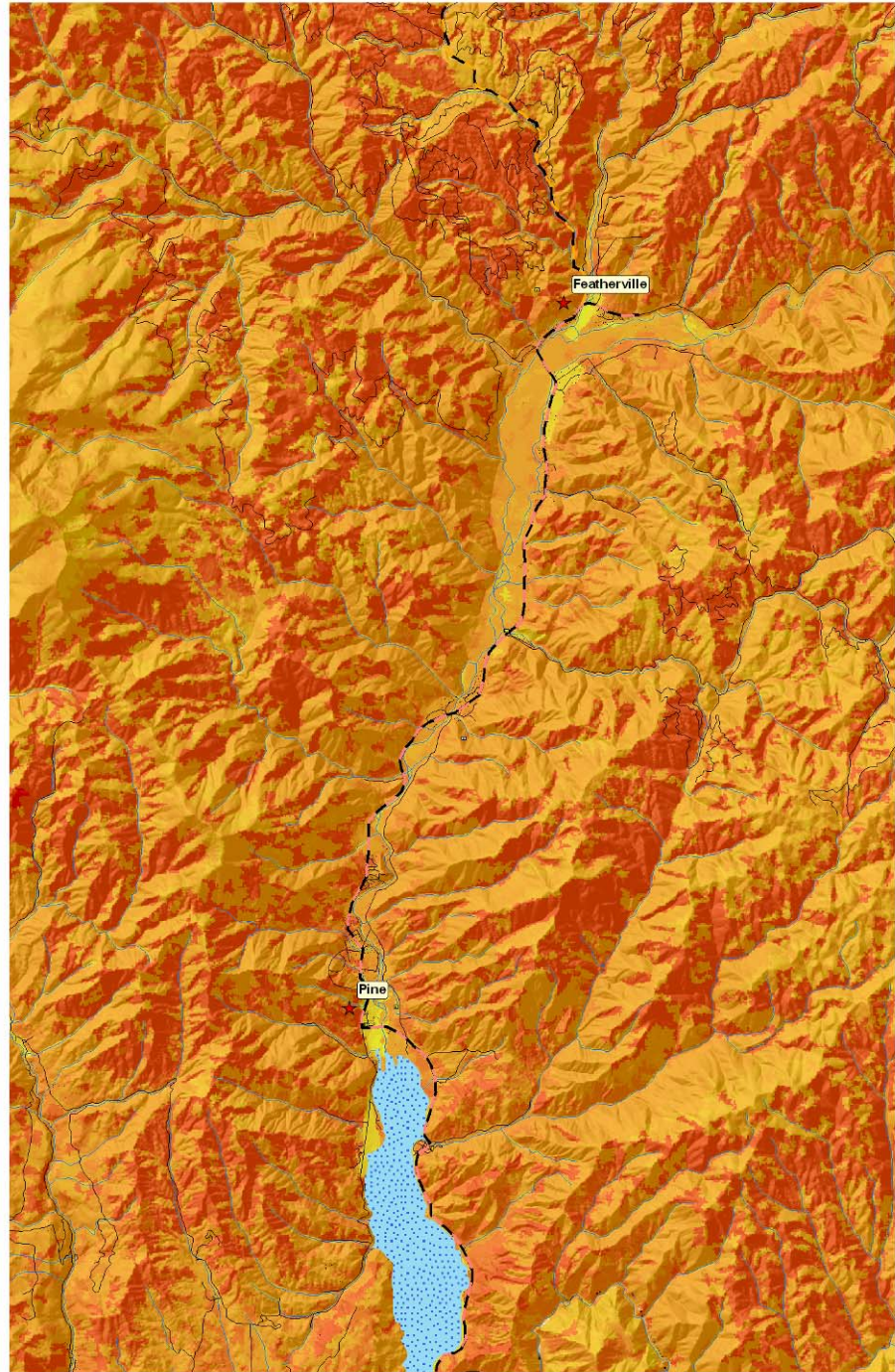
Elmore County All Hazard Mitigation Plan Fire Prone Landscapes Significant Infrastructure

Pine
Featherville



Legend

- Structures
- ★ Communities
- Critical Infrastructure Components**
 - ABOVE GROUND FUEL TANKS
 - FUEL DEPOT
 - GAS FIRED POWER PLANT
 - NATURAL GAS SUB-STATION
 - POWER SUB-STATION
- Water Source Type**
 - Groundwater
 - Spring-Groundwater
 - Surface Water
- Idaho Power: Lines
- Railroad
- FEMA Access**
 - Primary
 - Secondary
 - Emergency Escape Route
 - Roads
 - Streams
 - Mountain Home AFB
 - Open Water
 - Elmore County
 - High
 - Fire Prone Landscapes
 - Low



Landslide Prone Landscapes near Pine, Elmore County

Elmore County All Hazard Mitigation Plan Fault Geology & Landslide Prone Landscapes

Prairie



Legend

- Structures
- ★ Communities
- High Risk Landslide Points

Critical Infrastructure Components

- ABOVE GROUND FUEL TANKS
- FUEL DEPOT
- GAS FIRED POWER PLANT
- NATURAL GAS SUB-STATION
- POWER SUB-STATION

Water Source Type

- Groundwater
- Spring-Groundwater
- Surface Water
- Idaho Power: Lines
- Railroad

FEMA Access

- Primary
- Secondary
- Emergency Escape Route
- Roads
- Streams

Fault Classification

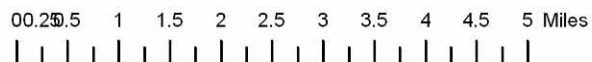
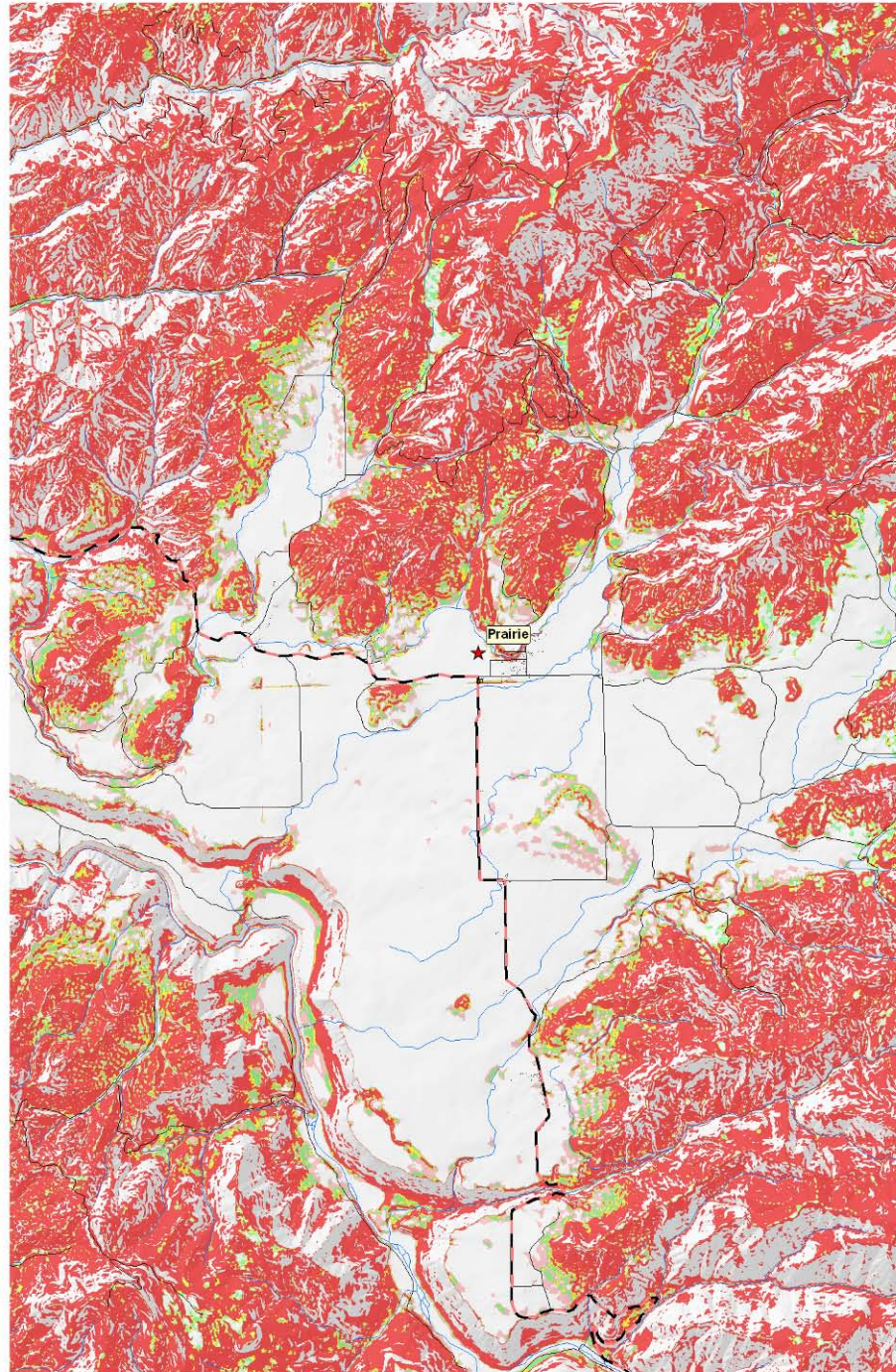
- Lesser Tertiary
- Major late Quaternary
- Trans_Challis Fault Zone
- Mountain Home AFB
- Open Water
- Elmore County

Soil Slide Potential

- Little or No Soil Risk
- High Soil Slide Risk

Landslide Prone Landscapes

- Little or no risk
- Moderate Risk
- High Risk
- Extreme Risk



Wildland Urban Interface near Pine, Elmore County

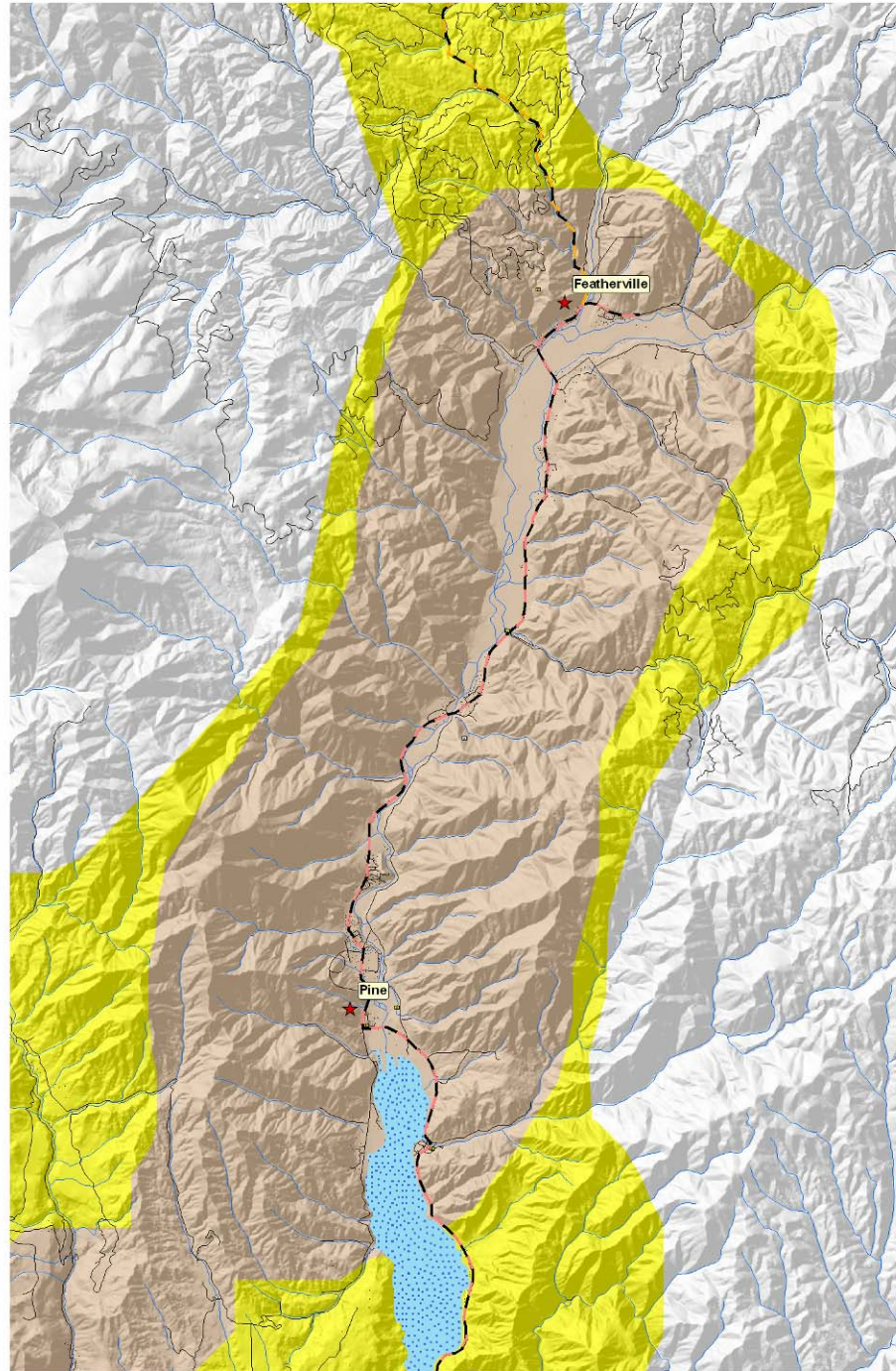
Elmore County All Hazard Mitigation Plan Wildland-Urban Interface Significant Infrastructure

Pine
Featherville



Legend

- Structures
- ★ Communities
- Critical Infrastructure Components**
 - ABOVE GROUND FUEL TANKS
 - FUEL DEPOT
 - GAS FIRED POWER PLANT
 - NATURAL GAS SUB-STATION
 - POWER SUB-STATION
- Water Source Type**
 - Groundwater
 - Spring-Groundwater
 - Surface Water
 - Idaho Power: Lines
 - Railroad
- FEMA Access**
 - Primary
 - Secondary
 - Emergency Escape Route
 - Roads
 - Streams
- Mountain Home AFB
- Open Water
- Elmore County
- Access WUI
- High Density Urban**
 - Very High Density Urban
 - Moderate Density Urban
 - Low Density Urban
- WUI: Intermix & Interface**
 - High Density Interface
 - Medium Density Interface
 - Low Density Intermix
 - Rural Lands
 - Wild Lands



FEMA Flood Zones near Prairie, Elmore County

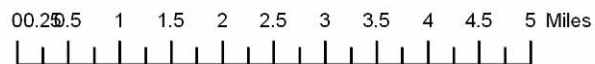
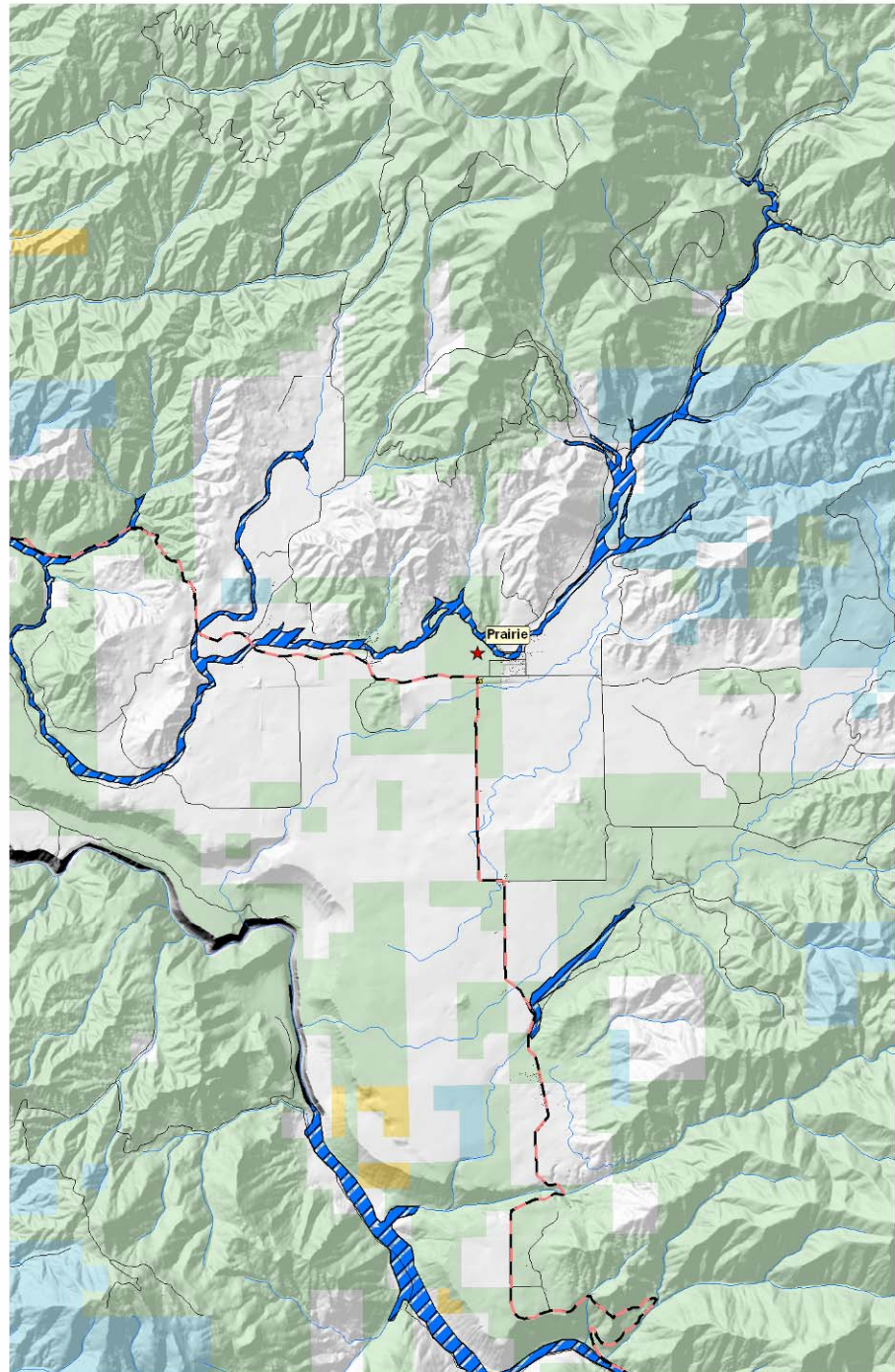
Elmore County All Hazard Mitigation Plan Land Ownership & FEMA Flood Zones

Prairie



Legend

- Structures
- ★ Communities
- Critical Infrastructure Components**
 - ABOVE GROUND FUEL TANKS
 - FUEL DEPOT
 - GAS FIRED POWER PLANT
 - NATURAL GAS SUB-STATION
 - POWER SUB-STATION
- Water Source Type**
 - ▣ Groundwater
 - ▣ Spring-Groundwater
 - ▣ Surface Water
- Idaho Power: Lines
- Railroad
- FEMA Access**
 - Primary
 - Secondary
 - Emergency Escape Route
 - Roads
 - Streams
- ▣ Mountain Home AFB
- ▣ Open Water
- ▣ FEMA Flood Zones
- ▣ Elmore County
- Ownership Categories**
 - ▣ USFS
 - ▣ BLM
 - ▣ SNRA
 - ▣ OSLRR
 - ▣ MOUNTAIN HOME AFB
 - ▣ STATE
 - ▣ IDT
 - ▣ City & County
 - ▣ Private
 - ▣ Roads
 - ▣ Canals



Fire Prone Landscapes near Prairie, Elmore County

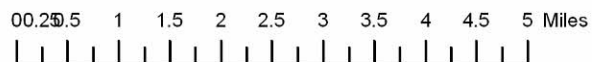
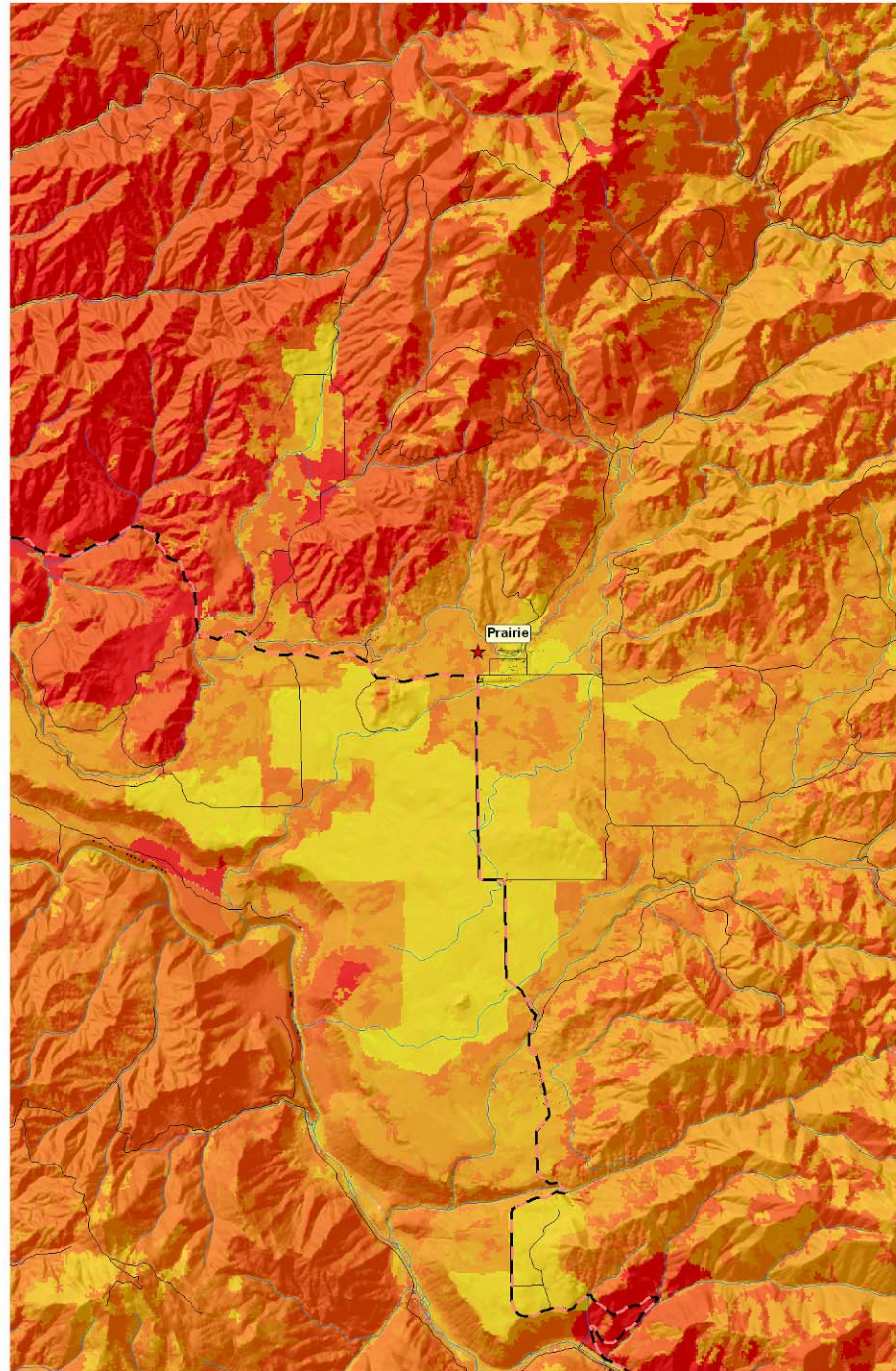
Elmore County All Hazard Mitigation Plan Fire Prone Landscapes Significant Infrastructure

Prairie



Legend

- Structures
- ★ Communities
- Critical Infrastructure Components**
 - ABOVE GROUND FUEL TANKS
 - FUEL DEPOT
 - GAS FIRED POWER PLANT
 - NATURAL GAS SUB-STATION
 - POWER SUB-STATION
- Water Source Type**
 - Groundwater
 - Spring-Groundwater
 - Surface Water
- Idaho Power: Lines
- Railroad
- FEMA Access**
 - Primary
 - Secondary
 - Emergency Escape Route
 - Roads
 - Streams
 - Mountain Home AFB
 - Open Water
 - Elmore County
 - High
 - Fire Prone Landscapes
 - Low



Landslide Prone Landscapes near Prairie, Elmore County

Elmore County All Hazard Mitigation Plan Fault Geology & Landslide Prone Landscapes

Prairie



Legend

- Structures
- ★ Communities
- High Risk Landslide Points

Critical Infrastructure Components

- ABOVE GROUND FUEL TANKS
- FUEL DEPOT
- GAS FIRED POWER PLANT
- NATURAL GAS SUB-STATION
- POWER SUB-STATION

Water Source Type

- Groundwater
- Spring-Groundwater
- Surface Water
- Idaho Power: Lines
- Railroad

FEMA Access

- Primary
- Secondary
- Emergency Escape Route
- Roads
- Streams

Fault Classification

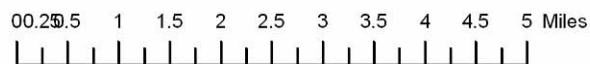
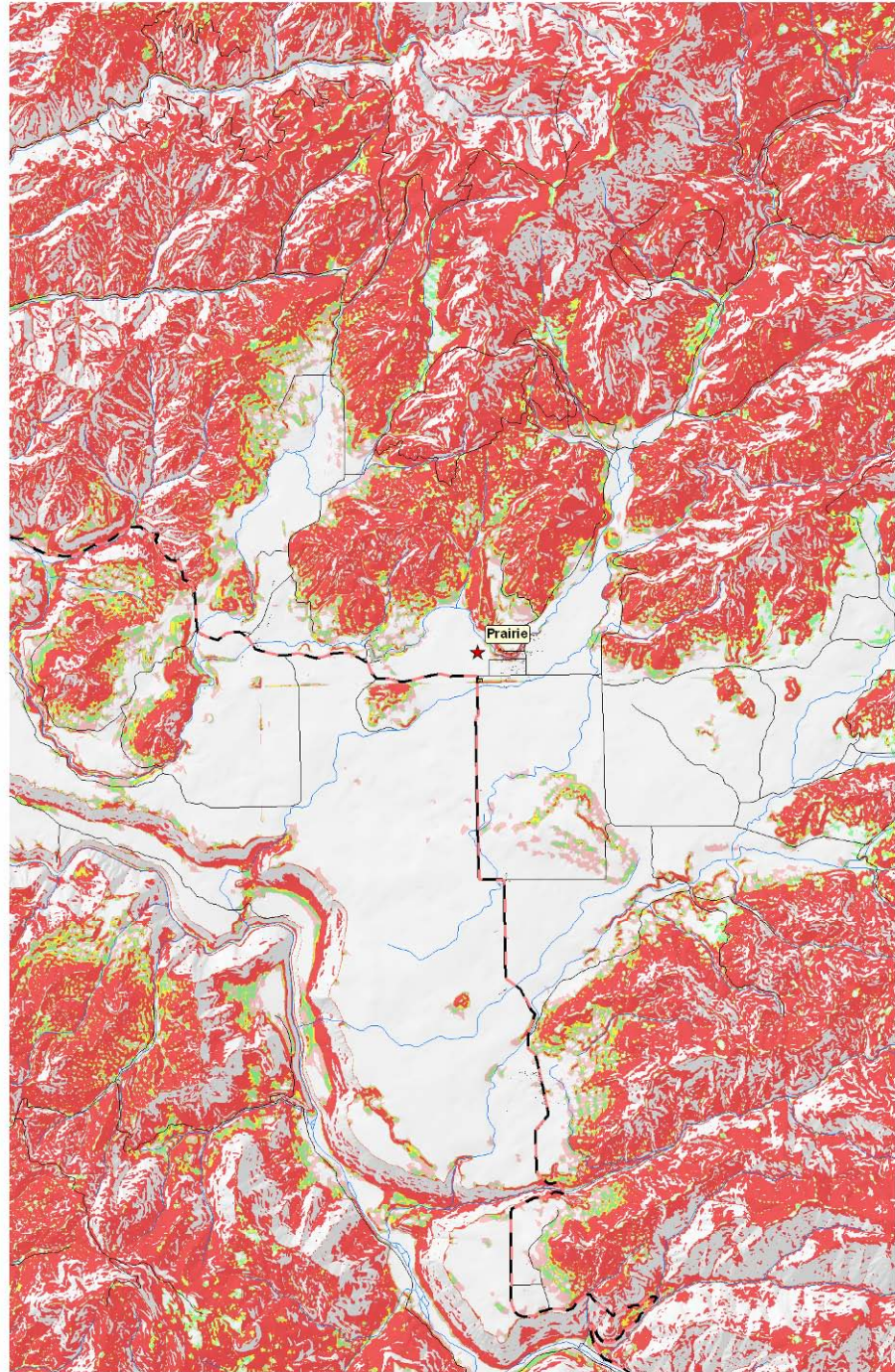
- Lesser Tertiary
- Major late Quaternary
- Trans_Challis Fault Zone
- Mountain Home AFB
- Open Water
- Elmore County

Soil Slide Potential

- Little or No Soil Risk
- High Soil Slide Risk

Landslide Prone Landscapes

- Little or no risk
- Moderate Risk
- High Risk
- Extreme Risk



Wildland Urban Interface near Prairie, Elmore County

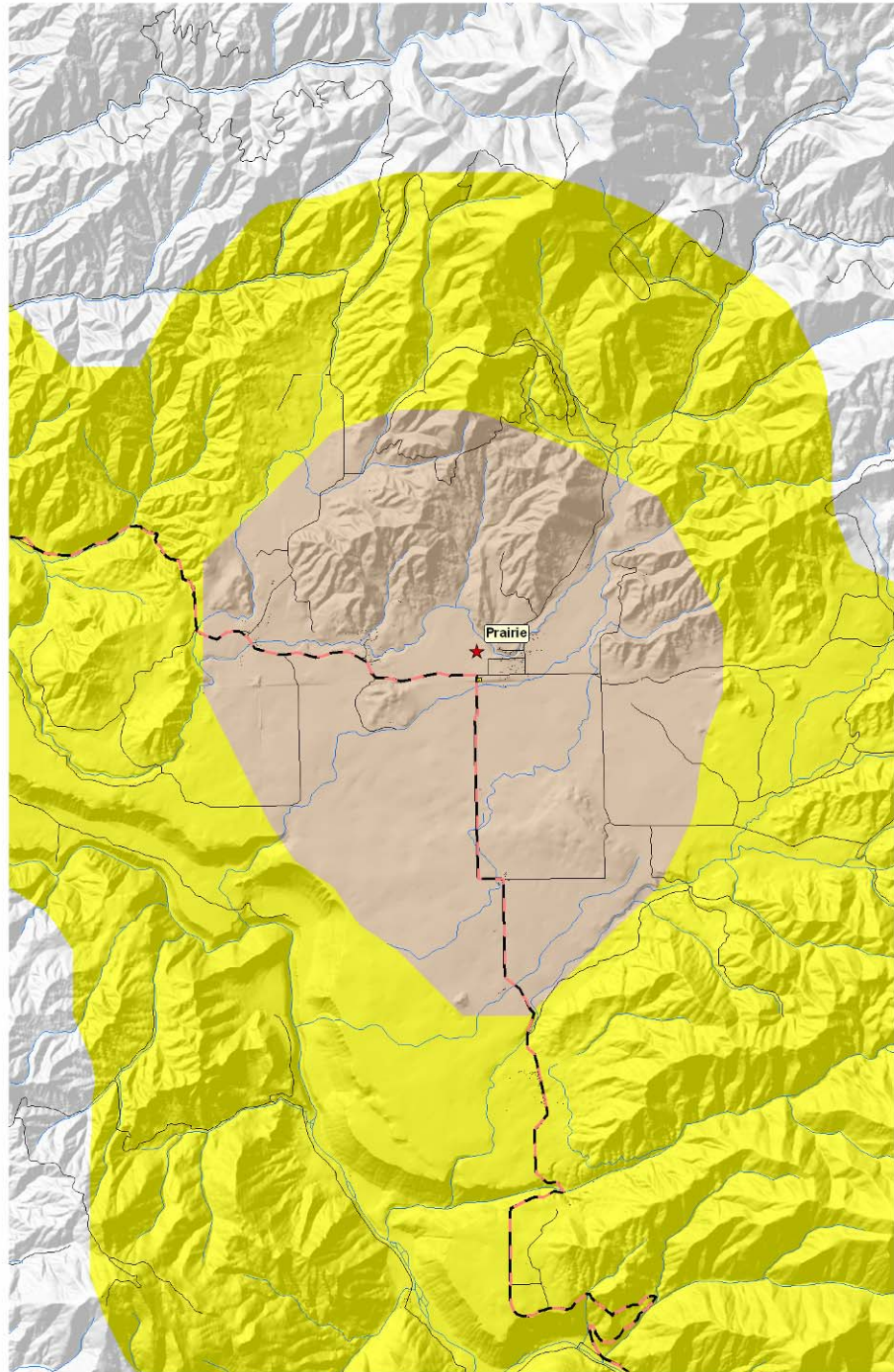
Elmore County All Hazard Mitigation Plan Wildland-Urban Interface Significant Infrastructure

Prairie



Legend

- Structures
- ★ Communities
- Critical Infrastructure Components**
 - ⊛ ABOVE GROUND FUEL TANKS
 - ⊛ FUEL DEPOT
 - ⊛ GAS FIRED POWER PLANT
 - ⊛ NATURAL GAS SUB-STATION
 - ⊛ POWER SUB-STATION
- Water Source Type**
 - ▣ Groundwater
 - ▣ Spring-Groundwater
 - ▣ Surface Water
- Idaho Power: Lines
- Railroad
- FEMA Access**
 - Primary
 - Secondary
 - Emergency Escape Route
 - Roads
 - Streams
- ▣ Mountain Home AFB
- ▣ Open Water
- ▣ Elmore County
- ▣ Access WUI
- High Density Urban**
 - ▣ Very High Density Urban
 - ▣ Moderate Density Urban
 - ▣ Low Density Urban
- WUI: Intermix & Interface**
 - ▣ High Density Interface
 - ▣ Medium Density Interface
 - ▣ Low Density Intermix
 - ▣ Rural Lands
 - ▣ Wild Lands



Appendix II

FEMA's Fire Hazard Severity Forms

The Federal Emergency Management Agency has developed a number of guides and procedures to assist communities, counties, and states with assessing risk for a variety of natural hazards, including wildfire. One approach that FEMA recommends is to assess communities using a variety of standardized evaluation criteria. The forms on the following pages detail the assessments completed for a variety of communities within Elmore County using these standardized forms and their criteria.

The first evaluation completed for these communities is the **Fire Hazard Severity** determination. This form uses a variety of criteria in order to make a categorical ranking for each community. The Fire Hazard Severity Table (below) determines fire hazard severity based on the standard FEMA uses to compare (for example) Elmore County, Idaho, with another county in Idaho, or any other state. Communities may have more than one classification depending on the degrees of the slope and fuel models. For example, if someone were to observe an average of five critical fire weather days per year in a given area, observe heavy fuel, and less than 40° slopes, then that community is in a high fire hazard area. If the average number of days of critical fire weather per year increases above eight, that community would be in an extreme fire hazard area. The table is subjective, but allows comparisons between communities.

Fire Hazard Severity

Fuel Classification	Critical Fire Weather Frequency								
	< 1 Day/Year			2 to 7 Days/Year			> 8 Days/Year		
	Slope (%)			Slope (%)			Slope (%)		
	< 40	41-60	> 61	< 40	41-60	> 61	< 40	41-60	> 61
Light Fuel	M	M	M	M	M	M	M	M	H
Medium Fuel	M	M	H	H	H	H	E	E	E
Heavy Fuel	H	H	H	H	E	E	E	E	E

Source: *Urban Wildland Interface Code: 2000*

M = Moderate hazard H = High hazard E = Extreme hazard

(from FEMA's "Understanding Your Risks; identifying hazards and estimating losses", August 2001, FEMA 386-2) State and local mitigation planning how-to-guide.)

Critical Fire Weather Frequency (CFWF) is not recorded by agencies operating in the state of Idaho. Red Flag Warnings posted by the US Forest Service and other agencies is roughly analogous to the CFWF but not identical. Daily readings from weather service stations was accessed to determine a county wide ranking of "> 8 days per year" average. In any given year, the actual number of days observed may be more or less.

Slope was determined from an interactive GIS layer by creating a polygon around a community representing the area that most likely encompasses the immediate threat area to the community from a wildfire. The average slope for that polygon was calculated along with statistics on this

average. Using recommendations from FEMA publications, the steepest 75% of the region was used to represent the slope impact on wildfires. For this reason, the category for slope will generally appear to be steeper than observations on the ground might otherwise indicate.

Fuel classification was determined from the Fire Prone Landscapes assessment described in the Plan. This assessment created data ranked from 0 (low) to 100 (high). As was done with the slope calculation, fire prone landscapes scores were averaged for the impact area and statistics were determined for the amount of variation. The highest 95% of values were used to calculate the impact of fuels on wildland fires around communities. Resulting values were divided by 10 to create a scale from 1 to 10 for this analysis. These values (0-10) were used in combination with the ground cover (rangeland or forestland) to assign light, medium, and high categories. Light fuels were assigned to rangeland areas regardless of the Fire Prone Landscape rating. Medium fuels were forestland cover types with a Fire Prone Landscapes ranking from 0 to 5, with Heavy fuels assigned to forestlands with a score of 6 and higher.

A final classification was selected based on this information with the lowest category on the form Moderate, then to High and finally Extreme. The FEMA forms do not have a category for Low. This score was then reported on the header of the Wildfire Hazard Rating Form.

The **Wildfire Hazard Rating Form** differs from the **Fire Hazard Severity** form in that the latter describes the environmental factors potentially affecting a community or subdivision, while the former describes actual factors leading to the ability of residents and emergency service personnel to respond to the event of a wildfire. The Wildfire Hazard Rating Form is completed using subjective observations of a community. These ratings will change over time and should be updated as needed to better reflect changes in each community.

Atlanta

FEMA's Fire Hazard Severity Criteria									
Fuel Classification	Critical Fire Weather Frequency								
	< 1 Day/Year			2 to 7 Days/Year			>8 Days/Year		
	Slope %			Slope %			Slope %		
	<40%	41-60%	>61%	<40%	41-60%	>61%	<40%	41-60%	>61%
Light Fuel	M	M	M	M	M	M	M	M	H
Medium Fuel	M	M	H	H	H	H	E	E	E
Heavy Fuel	H	H	H	H	E	E	E	E	E

M = Moderate Hazard, H = High Hazard, E = Extreme Hazard

Source: Urban Wildland Interface Code: 2000

This Community:	Atlanta
CFW Frequency:	>8 Days/Year
Slopes:	<40%
FPL Score:	3
Landcover:	Cat: Medium Fuel Forestland

Fire Prone Landscape Results	
Min	20.5
Average	39.0
Max	7.8
STD	28.3
Upper 95% CI	2.8
Score	3

Slope Analysis (%)	
Min	0.0
Average	13.7
Max	123.6
STD	13.8
Upper 75% CI	36.6
Category	<40%

Fire Hazard Severity Rating FEMA Hazard Rating System → E ←



Wildfire Hazard Rating Form
Elmore County, Idaho
Fire Mitigation Plan



Name of Community: Atlanta **Date:** 30-Aug-03

Landcover: Forestland **Number of Structures:** 162

WUI Condition: Interface Condition

Overall Wildfire Hazard Rating: Moderate Hazard **Potential Fire Hazard Severity: Extreme Hazard**

Comments: This community is located in the center of forest lands which burn with a high frequency and place the residents at risk to loss from wildfire. Community defensible space and improvements of the access would serve to improve this community's condition. **Evaluator:** Schlosser

	Points		Points
A. Community Design		C. Topography	
1. Ingress / Egress		1. Predominant Slope	
Three or more primary roads1		≤ 8%1	
Two or more primary roads2	<u>2</u>	> 8% ≤ 20%4	
One Road3		> 20% ≤ 30%7	
One-way-in, one-way-out5		> 30%10	<u>10</u>
2. Width of Primary roads		D. Roofing Material	
20 feet or more1	<u>1</u>	Class A Rated1	
20 feet or less3		Class B Rated3	<u>3</u>
3. Accessibility		Class C Rated5	
Road grade 5% or less1		Non-Rated Roofing material10	
Road grade 5% or more3	<u>3</u>	E. Fire Protection - Water Source	
Road grade 10% or more5		500 GPM Hydrant within 1,000'1	
4. Secondary Road Terminus		Hydrant farther than 1,000' or draft site2	
Loop roads, cul-de-sacs with outside turning radius of 45 feet or greater1		Water Source within 20 minutes or less, round trip5	<u>5</u>
Cul-de-sac turnaround radius is less than 45 feet2		Water source farther than 20 minutes, but less than 45 minutes7	
Dead-end roads 200 feet or less in length3		Water source farther than 45 minutes round trip10	
Dead-end roads greater than 200 feet long5	<u>5</u>	F. Existing Building Construction Materials	
5. Average lot size		Non-combustible siding/deck1	
10 acres or larger1		Non-combustible siding BUT a combustable deck5	
≥ 1 acre, < 10 acres3	<u>3</u>	Combustible siding and deck10	<u>10</u>
≤ 1 acre5		G. Utilities	
6. Street Signs		All underground utilities1	
Signs with names and numbers1	<u>1</u>	One underground, one above ground3	
Signs with names present2		All above ground5	<u>5</u>
No Street Signs5		H. Fire Protection Services	
B. Vegetation		Good Rural Department Coverage1	<u>1</u>
1. Fire Prone Landscape Rating		Limited Rural Department Coverage5	
1 - 10 scale 1-10	<u>3</u>	No Rural Department Coverage10	
2. Defensible Space		Total Score For Community	55
70% or more of site1			
≥ 30%, ≤ 70%3	<u>3</u>		
≤ 30% of site5			
		Rating Scale	
		Moderate Hazard	45-65
		High Hazard	66-79
		Extreme Hazard	80+

Source: Urban Wildland Interface Code 2000, FEMA, version 1.0 August 2001 with modification by Northwest Management, Inc.

Featherville

FEMA's Fire Hazard Severity Criteria									
Fuel Classification	Critical Fire Weather Frequency								
	< 1 Day/Year			2 to 7 Days/Year			>8 Days/Year		
	Slope %			Slope %			Slope %		
	<40%	41-60%	>61%	<40%	41-60%	>61%	<40%	41-60%	>61%
Light Fuel	M	M	M	M	M	M	M	M	H
Medium Fuel	M	M	H	H	H	H	E	E	E
Heavy Fuel	H	H	H	H	E	E	E	E	E

M = Moderate Hazard, H = High Hazard, E = Extreme Hazard

Source: Urban Wildland Interface Code: 2000

This Community:	Featherville
CFW Frequency:	>8 Days/Year
Slopes:	>61%
FPL Score:	3
Landcover:	Cat: Medium Fuel Forestland

Fire Prone Landscape Results	
Min	0.0
Average	23.8
Max	39.0
STD	6.4
Upper 95% CI	30.2
Score	3

Slope Analysis (%)	
Min	0.0
Average	28.1
Max	140.2
STD	27.6
Upper 75% CI	74.1
Category	>61%

Fire Hazard Severity Rating FEMA Hazard Rating System
→ E ←



Wildfire Hazard Rating Form
Elmore County, Idaho
Fire Mitigation Plan



Name of Community: Featherville **Date:** 30-Aug-03

Landcover: Forestland **Number of Structures:** 125

WUI Condition: Interface Condition

Overall Wildfire Hazard Rating: Moderate Hazard	Potential Fire Hazard Severity: Extreme Hazard
--	---

Comments: Located in the bottom of a river valley many of the fuels are thick, but have a higher live plant moisture longer into the year. Abundant residential and recreational uses in this area increase the potential for human caused ignitions. Past home defensible space projects should be continued. **Evaluator:** Schlosser

	Points		Points
A. Community Design		C. Topography	
1. Ingress / Egress		1. Predominant Slope	
Three or more primary roads1	<u>1</u>	≤ 8%1	
Two or more primary roads2		> 8% ≤ 20%4	
One Road3		> 20% ≤ 30%7	<u>7</u>
One-way-in, one-way-out5		> 30%10	
2. Width of Primary roads		D. Roofing Material	
20 feet or more1	<u>1</u>	Class A Rated1	
20 feet or less3		Class B Rated3	<u>3</u>
3. Accessibility		Class C Rated5	
Road grade 5% or less1	<u>1</u>	Non-Rated Roofing material10	
Road grade 5% or more3		E. Fire Protection - Water Source	
Road grade 10% or more5		500 GPM Hydrant within 1,000'1	
4. Secondary Road Terminus		Hydrant farther than 1,000' or	
Loop roads, cul-de-sacs with		draft site2	
outside turning radius of 45 feet		Water Source within 20 minutes or	
or greater1		less, round trip5	<u>5</u>
Cul-de-sac turnaround radius		Water source farther than 20	
is less than 45 feet2		minutes, but less than 45 minutes7	
Dead-end roads 200 feet or		Water source farther than 45	
less in length3	<u>3</u>	minutes round trip10	
Dead-end roads greater		F. Existing Building Construction Materials	
than 200 feet long5		Non-combustible siding/deck1	
5. Average lot size		Non-combustible siding	
10 acres or larger1		BUT a combustable deck5	
≥ 1 acre, < 10 acres3	<u>3</u>	Combustible siding and deck10	<u>10</u>
≤ 1 acre5		G. Utilities	
6. Street Signs		All underground utilities1	
Signs with names and numbers1	<u>1</u>	One underground, one above ground3	
Signs with names present2		All above ground5	<u>5</u>
No Street Signs5		H. Fire Protection Services	
B. Vegetation		Good Rural Department Coverage1	
1. Fire Prone Landscape Rating		Limited Rural Department Coverage5	
1 - 10 scale 1-10	<u>3</u>	No Rural Department Coverage10	<u>10</u>
2. Defensible Space		Total Score For Community	56
70% or more of site1			
≥ 30%, ≤ 70%3	<u>3</u>		
≤ 30% of site5			

Rating Scale	Moderate Hazard	45-65
	High Hazard	66-79
	Extreme Hazard	80+

Source: Urban Wildland Interface Code 2000, FEMA, version 1.0 August 2001 with modification by Northwest Management, Inc.

Glenns Ferry

FEMA's Fire Hazard Severity Criteria									
Fuel Classification	Critical Fire Weather Frequency								
	< 1 Day/Year			2 to 7 Days/Year			>8 Days/Year		
	Slope %			Slope %			Slope %		
	<40%	41-60%	>61%	<40%	41-60%	>61%	<40%	41-60%	>61%
Light Fuel	M	M	M	M	M	M	M	M	H
Medium Fuel	M	M	H	H	H	H	E	E	E
Heavy Fuel	H	H	H	H	E	E	E	E	E

M = Moderate Hazard, H = High Hazard, E = Extreme Hazard

Source: Urban Wildland Interface Code: 2000

This Community: CFW Frequency: Slopes: FPL Score: 5 Landcover:	Glenns Ferry >8 Days/Year <40% Cat: Light Fuel Rangeland
---	--

Fire Prone Landscape Results	
Min	4.0
Average	32.2
Max	54.0
STD	14.9
Upper 95% CI	47.1
Score	5

Slope Analysis (%)	
Min	0.0
Average	10.4
Max	196.3
STD	12.9
Upper 75% CI	32.0
Category	<40%

Fire Hazard Severity Rating FEMA Hazard Rating System → M ←



Wildfire Hazard Rating Form
Elmore County, Idaho
Fire Mitigation Plan



Name of Community: Glenns Ferry

Date: 30-Aug-03

Landcover: Rangeland

Number of Structures: 1250

WUI Condition: Interface Condition

Overall Wildfire Hazard Rating: Low Hazard	Potential Fire Hazard Severity: Moderate Hazard
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Comments: One of the urban centers of Elmore County this community has excellent fire protection, multiple access points to and from the community, and ample water supplies for use in the case of a fire. The rail-line and some local activities pose a potential problem for ignitions.

Evaluator: Schlosser

	Points		Points
A. Community Design		C. Topography	
1. Ingress / Egress		1. Predominant Slope	
Three or more primary roads1	<u>1</u>	≤ 8%1	<u>1</u>
Two or more primary roads2	<u> </u>	> 8% ≤ 20%4	<u> </u>
One Road3	<u> </u>	> 20% ≤ 30%7	<u> </u>
One-way-in, one-way-out5	<u> </u>	> 30%10	<u> </u>
2. Width of Primary roads		D. Roofing Material	
20 feet or more1	<u>1</u>	Class A Rated1	<u> </u>
20 feet or less3	<u> </u>	Class B Rated3	<u>3</u>
3. Accessibility		Class C Rated5	<u> </u>
Road grade 5% or less1	<u>1</u>	Non-Rated Roofing material10	<u> </u>
Road grade 5% or more3	<u> </u>	E. Fire Protection - Water Source	
Road grade 10% or more5	<u> </u>	500 GPM Hydrant within 1,000'1	<u>1</u>
4. Secondary Road Terminus		Hydrant farther than 1,000' or draft site2	<u> </u>
Loop roads, cul-de-sacs with outside turning radius of 45 feet or greater1	<u>1</u>	Water Source within 20 minutes or less, round trip5	<u> </u>
Cul-de-sac turnaround radius is less than 45 feet2	<u> </u>	Water source farther than 20 minutes, but less than 45 minutes7	<u> </u>
Dead-end roads 200 feet or less in length3	<u> </u>	Water source farther than 45 minutes round trip10	<u> </u>
Dead-end roads greater than 200 feet long5	<u> </u>	F. Existing Building Construction Materials	
5. Average lot size		Non-combustible siding/deck1	<u> </u>
10 acres or larger1	<u> </u>	Non-combustible siding BUT a combustable deck5	<u>5</u>
≥ 1 acre, < 10 acres3	<u> </u>	Combustible siding and deck10	<u> </u>
≤ 1 acre5	<u>5</u>	G. Utilities	
6. Street Signs		All underground utilities1	<u> </u>
Signs with names and numbers1	<u>1</u>	One underground, one above ground3	<u>3</u>
Signs with names present2	<u> </u>	All above ground5	<u> </u>
No Street Signs5	<u> </u>	H. Fire Protection Services	
B. Vegetation		Good Rural Department Coverage1	<u>1</u>
1. Fire Prone Landscape Rating		Limited Rural Department Coverage5	<u> </u>
1 - 10 scale 1-10	<u>5</u>	No Rural Department Coverage10	<u> </u>
2. Defensible Space		Total Score For Community	32
70% or more of site1	<u> </u>		
≥ 30%, ≤ 70%3	<u>3</u>		
≤ 30% of site5	<u> </u>		

Rating Scale	Moderate Hazard	45-65
	High Hazard	66-79
	Extreme Hazard	80+

Source: Urban Wildland Interface Code 2000, FEMA, version 1.0 August 2001 with modification by Northwest Management, Inc.

Chattin Flats

FEMA's Fire Hazard Severity Criteria									
Fuel Classification	Critical Fire Weather Frequency								
	< 1 Day/Year			2 to 7 Days/Year			>8 Days/Year		
	Slope %			Slope %			Slope %		
	<40%	41-60%	>61%	<40%	41-60%	>61%	<40%	41-60%	>61%
Light Fuel	M	M	M	M	M	M	M	M	H
Medium Fuel	M	M	H	H	H	H	E	E	E
Heavy Fuel	H	H	H	H	E	E	E	E	E

M = Moderate Hazard, H = High Hazard, E = Extreme Hazard

Source: Urban Wildland Interface Code: 2000

This Community: CFW Frequency: Slopes: FPL Score: 3 Landcover:	Chattin Flats >8 Days/Year <40% Cat: Light Fuel Rangeland
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Fire Prone Landscape Results	
Min	4.0
Average	21.4
Max	53.0
STD	12.0
Upper 95% CI	33.4
Score	3

Slope Analysis (%)	
Min	0.0
Average	3.5
Max	139.0
STD	7.0
Upper 75% CI	15.3
Category	<40%

Fire Hazard Severity Rating FEMA Hazard Rating System → M ←



Wildfire Hazard Rating Form
Elmore County, Idaho
Fire Mitigation Plan



Name of Community: Chattin Flats Date: 30-Aug-03

Landcover: Rangeland Number of Structures: 115

WUI Condition: Interface Condition

Overall Wildfire Hazard Rating: Low Hazard	Potential Fire Hazard Severity: Moderate Hazard
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Comments: An agricultural area, this rangeland community has excellent access, water supplies, and fire protection. There are few concerns with the wildfire protection of this community.

	Evaluator: <u> Schlosser </u>
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	Points		Points
A. Community Design		C. Topography	
1. Ingress / Egress		1. Predominant Slope	
Three or more primary roads1	<u> 1 </u>	≤ 8%1	<u> 1 </u>
Two or more primary roads2	<u> </u>	> 8% ≤ 20%4	<u> </u>
One Road3	<u> </u>	> 20% ≤ 30%7	<u> </u>
One-way-in, one-way-out5	<u> </u>	> 30%10	<u> </u>
2. Width of Primary roads		D. Roofing Material	
20 feet or more1	<u> 1 </u>	Class A Rated1	<u> </u>
20 feet or less3	<u> </u>	Class B Rated3	<u> 3 </u>
3. Accessibility		Class C Rated5	<u> </u>
Road grade 5% or less1	<u> 1 </u>	Non-Rated Roofing material10	<u> </u>
Road grade 5% or more3	<u> </u>	E. Fire Protection - Water Source	
Road grade 10% or more5	<u> </u>	500 GPM Hydrant within 1,000'1	<u> </u>
4. Secondary Road Terminus		Hydrant farther than 1,000' or	
Loop roads, cul-de-sacs with		draft site2	<u> 2 </u>
outside turning radius of 45 feet		Water Source within 20 minutes or	
or greater1	<u> </u>	less, round trip5	<u> </u>
Cul-de-sac turnaround radius		Water source farther than 20	
is less than 45 feet2	<u> 2 </u>	minutes, but less than 45 minutes7	<u> </u>
Dead-end roads 200 feet or		Water source farther than 45	
less in length3	<u> </u>	minutes round trip10	<u> </u>
Dead-end roads greater		F. Existing Building Construction Materials	
than 200 feet long5	<u> </u>	Non-combustible siding/deck1	<u> </u>
5. Average lot size		Non-combustible siding	
10 acres or larger1	<u> </u>	BUT a combustable deck5	<u> 5 </u>
≥ 1 acre, < 10 acres3	<u> 3 </u>	Combustible siding and deck10	<u> </u>
≤ 1 acre5	<u> </u>	G. Utilities	
6. Street Signs		All underground utilities1	<u> </u>
Signs with names and numbers1	<u> 1 </u>	One underground, one above ground3	<u> </u>
Signs with names present2	<u> </u>	All above ground5	<u> 5 </u>
No Street Signs5	<u> </u>	H. Fire Protection Services	
B. Vegetation		Good Rural Department Coverage1	<u> 1 </u>
1. Fire Prone Landscape Rating		Limited Rural Department Coverage5	<u> </u>
1 - 10 scale 1-10	<u> 3 </u>	No Rural Department Coverage10	<u> </u>
2. Defensible Space		Total Score For Community	30
70% or more of site1	<u> 1 </u>		
≥ 30%, ≤ 70%3	<u> </u>		
≤ 30% of site5	<u> </u>		

Rating Scale	Moderate Hazard	45-65
	High Hazard	66-79
	Extreme Hazard	80+

Source: Urban Wildland Interface Code 2000, FEMA, version 1.0 August 2001 with modification by Northwest Management, Inc.

Hammett

FEMA's Fire Hazard Severity Criteria									
Fuel Classification	Critical Fire Weather Frequency								
	< 1 Day/Year			2 to 7 Days/Year			>8 Days/Year		
	Slope %			Slope %			Slope %		
	<40%	41-60%	>61%	<40%	41-60%	>61%	<40%	41-60%	>61%
Light Fuel	M	M	M	M	M	M	M	M	H
Medium Fuel	M	M	H	H	H	H	E	E	E
Heavy Fuel	H	H	H	H	E	E	E	E	E

M = Moderate Hazard, H = High Hazard, E = Extreme Hazard

Source: Urban Wildland Interface Code: 2000

This Community:	Hammett
CFW Frequency:	>8 Days/Year
Slopes:	<40%
FPL Score:	4
Landcover:	Rangeland
Cat:	Light Fuel

Fire Prone Landscape Results	
Min	4.0
Average	25.5
Max	53.0
STD	14.0
Upper 95% CI	39.6
Score	4

Slope Analysis (%)	
Min	0.0
Average	3.6
Max	123.3
STD	5.9
Upper 75% CI	13.5
Category	<40%

Fire Hazard Severity Rating
<i>FEMA Hazard Rating System</i>
→ M ←



Wildfire Hazard Rating Form
Elmore County, Idaho
Fire Mitigation Plan



Name of Community: Hammett **Date:** 30-Aug-03

Landcover: Rangeland **Number of Structures:** 575

WUI Condition: Interface Condition

Overall Wildfire Hazard Rating: Low Hazard	Potential Fire Hazard Severity: Moderate Hazard
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Comments: An agricultural area, this rangeland community has excellent access, water supplies, and fire protection. There are few concerns with the wildfire protection of this community.

Evaluator: Schlusser

	Points		Points
A. Community Design		C. Topography	
1. Ingress / Egress		1. Predominant Slope	
Three or more primary roads1	<u>1</u>	≤ 8%1	
Two or more primary roads2		> 8% ≤ 20%4	<u>4</u>
One Road3		> 20% ≤ 30%7	
One-way-in, one-way-out5		> 30%10	
2. Width of Primary roads		D. Roofing Material	
20 feet or more1	<u>1</u>	Class A Rated1	
20 feet or less3		Class B Rated3	<u>3</u>
3. Accessibility		Class C Rated5	
Road grade 5% or less1	<u>1</u>	Non-Rated Roofing material10	
Road grade 5% or more3		E. Fire Protection - Water Source	
Road grade 10% or more5		500 GPM Hydrant within 1,000'1	<u>1</u>
4. Secondary Road Terminus		Hydrant farther than 1,000' or	
Loop roads, cul-de-sacs with		draft site2	
outside turning radius of 45 feet		Water Source within 20 minutes or	
or greater1		less, round trip5	
Cul-de-sac turnaround radius		Water source farther than 20	
is less than 45 feet2	<u>2</u>	minutes, but less than 45 minutes7	
Dead-end roads 200 feet or		Water source farther than 45	
less in length3		minutes round trip10	
Dead-end roads greater		F. Existing Building Construction Materials	
than 200 feet long5		Non-combustible siding/deck1	
5. Average lot size		Non-combustible siding	
10 acres or larger1		BUT a combustable deck5	<u>5</u>
≥ 1 acre, < 10 acres3	<u>3</u>	Combustible siding and deck10	
≤ 1 acre5		G. Utilities	
6. Street Signs		All underground utilities1	
Signs with names and numbers1	<u>1</u>	One underground, one above ground3	
Signs with names present2		All above ground5	<u>5</u>
No Street Signs5		H. Fire Protection Services	
B. Vegetation		Good Rural Department Coverage1	<u>1</u>
1. Fire Prone Landscape Rating		Limited Rural Department Coverage5	
1 - 10 scale 1-10	<u>4</u>	No Rural Department Coverage10	
2. Defensible Space		Total Score For Community	35
70% or more of site1			
≥ 30%, ≤ 70%3	<u>3</u>		
≤ 30% of site5			
		Rating Scale	
		Moderate Hazard	45-65
		High Hazard	66-79
		Extreme Hazard	80+

Source: Urban Wildland Interface Code 2000, FEMA, version 1.0 August 2001 with modification by Northwest Management, Inc.

King Hill

FEMA's Fire Hazard Severity Criteria									
Fuel Classification	Critical Fire Weather Frequency								
	< 1 Day/Year			2 to 7 Days/Year			>8 Days/Year		
	Slope %			Slope %			Slope %		
	<40%	41-60%	>61%	<40%	41-60%	>61%	<40%	41-60%	>61%
Light Fuel	M	M	M	M	M	M	M	M	H
Medium Fuel	M	M	H	H	H	H	E	E	E
Heavy Fuel	H	H	H	H	E	E	E	E	E

M = Moderate Hazard, H = High Hazard, E = Extreme Hazard

Source: Urban Wildland Interface Code: 2000

This Community: CFW Frequency: Slopes: FPL Score: 3 Landcover:	King Hill >8 Days/Year <40% Cat: Light Fuel Rangeland
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Fire Prone Landscape Results	
Min	4.0
Average	21.2
Max	54.0
STD	11.0
Upper 95% CI	32.2
Score	3

Slope Analysis (%)	
Min	0.0
Average	6.8
Max	94.8
STD	9.4
Upper 75% CI	22.4
Category	<40%

Fire Hazard Severity Rating FEMA Hazard Rating System → M ←



Wildfire Hazard Rating Form
Elmore County, Idaho
Fire Mitigation Plan



Name of Community: King Hill **Date:** 30-Aug-03

Landcover: Rangeland **Number of Structures:** 180

WUI Condition: Interface Condition

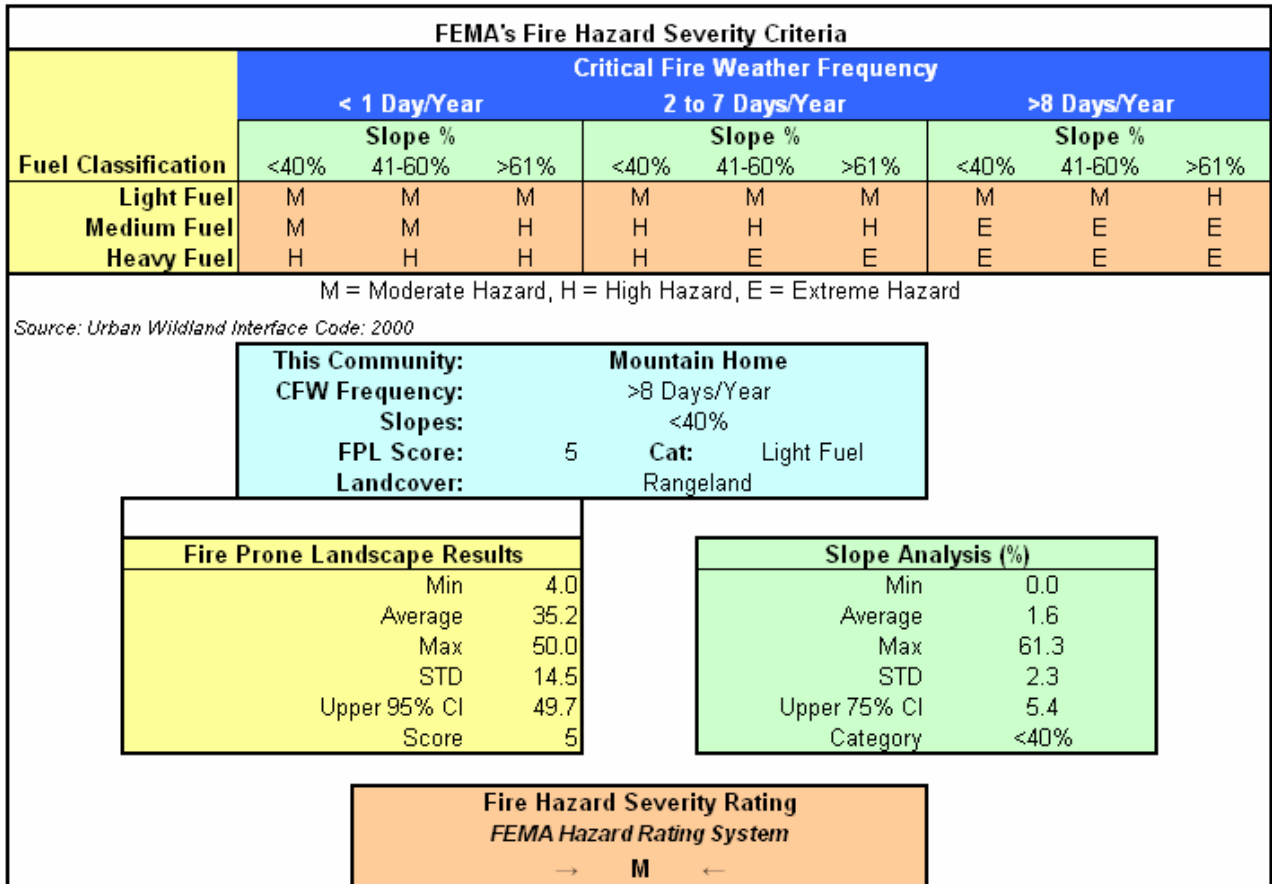
Overall Wildfire Hazard Rating: Low Hazard	Potential Fire Hazard Severity: Moderate Hazard
---	--

Comments: An agricultural area, this rangeland community has excellent access, water supplies, and fire protection. The biggest threat comes from the surrounding rangelands where fuels can accumulate and winds can blow potential fires in many directions. Superior access, water sources, and fire protection. **Evaluator:** Schlosser

	Points		Points									
A. Community Design		C. Topography										
1. Ingress / Egress		1. Predominant Slope										
Three or more primary roads1	<u>1</u>	≤ 8%1										
Two or more primary roads2	<u> </u>	> 8% ≤ 20%4	<u>4</u>									
One Road3	<u> </u>	> 20% ≤ 30%7	<u> </u>									
One-way-in, one-way-out5	<u> </u>	> 30%10	<u> </u>									
2. Width of Primary roads		D. Roofing Material										
20 feet or more1	<u>1</u>	Class A Rated1	<u> </u>									
20 feet or less3	<u> </u>	Class B Rated3	<u>3</u>									
3. Accessibility		Class C Rated5	<u> </u>									
Road grade 5% or less1	<u>1</u>	Non-Rated Roofing material10	<u> </u>									
Road grade 5% or more3	<u> </u>	E. Fire Protection - Water Source										
Road grade 10% or more5	<u> </u>	500 GPM Hydrant within 1,000'1	<u> </u>									
4. Secondary Road Terminus		Hydrant farther than 1,000' or										
Loop roads, cul-de-sacs with		draft site2	<u>2</u>									
outside turning radius of 45 feet		Water Source within 20 minutes or										
or greater1	<u> </u>	less, round trip5	<u> </u>									
Cul-de-sac turnaround radius		Water source farther than 20										
is less than 45 feet2	<u>2</u>	minutes, but less than 45 minutes7	<u> </u>									
Dead-end roads 200 feet or		Water source farther than 45										
less in length3	<u> </u>	minutes round trip10	<u> </u>									
Dead-end roads greater		F. Existing Building Construction Materials										
than 200 feet long5	<u> </u>	Non-combustible siding/deck1	<u> </u>									
5. Average lot size		Non-combustible siding										
10 acres or larger1	<u> </u>	BUT a combustible deck5	<u>5</u>									
≥ 1 acre, < 10 acres3	<u>3</u>	Combustible siding and deck10	<u> </u>									
≤ 1 acre5	<u> </u>	G. Utilities										
6. Street Signs		All underground utilities1	<u> </u>									
Signs with names and numbers1	<u>1</u>	One underground, one above ground3	<u> </u>									
Signs with names present2	<u> </u>	All above ground5	<u>5</u>									
No Street Signs5	<u> </u>	H. Fire Protection Services										
B. Vegetation		Good Rural Department Coverage1	<u>1</u>									
1. Fire Prone Landscape Rating		Limited Rural Department Coverage5	<u> </u>									
1 - 10 scale 1-10	<u>3</u>	No Rural Department Coverage10	<u> </u>									
2. Defensible Space		Total Score For Community 35										
70% or more of site1	<u> </u>	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:30%;">Rating Scale</td> <td>Moderate Hazard</td> <td>45-65</td> </tr> <tr> <td></td> <td>High Hazard</td> <td>66-79</td> </tr> <tr> <td></td> <td>Extreme Hazard</td> <td>80+</td> </tr> </table>		Rating Scale	Moderate Hazard	45-65		High Hazard	66-79		Extreme Hazard	80+
Rating Scale	Moderate Hazard			45-65								
	High Hazard			66-79								
	Extreme Hazard	80+										
≥ 30%, ≤ 70%3	<u>3</u>											
≤ 30% of site5	<u> </u>											

Source: Urban Wildland Interface Code 2000, FEMA, version 1.0 August 2001 with modification by Northwest Management, Inc.

Mountain Home





Wildfire Hazard Rating Form
Elmore County, Idaho
Fire Mitigation Plan



Name of Community: Mountain Home

Date: 30-Aug-03

Landcover: Rangeland

Number of Structures: 6200

WUI Condition: Interface Condition

Overall Wildfire Hazard Rating: Low Hazard	Potential Fire Hazard Severity: Moderate Hazard
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Comments: As the urban hub of Elmore County the wildland fire risks within the city are not critical. The interface nature of the wildland fire risks brings the highest risk factors to the structures on the out-skirts of the community. Range fires have a potential to impact the perimeter, but preparation in the city is excellent.

Evaluator: Schlosser

	Points		Points
A. Community Design		C. Topography	
1. Ingress / Egress		1. Predominant Slope	
Three or more primary roads1	<u>1</u>	≤ 8%1	<u>1</u>
Two or more primary roads2	<u> </u>	> 8% ≤ 20%4	<u> </u>
One Road3	<u> </u>	> 20% ≤ 30%7	<u> </u>
One-way-in, one-way-out5	<u> </u>	> 30%10	<u> </u>
2. Width of Primary roads		D. Roofing Material	
20 feet or more1	<u>1</u>	Class A Rated1	<u> </u>
20 feet or less3	<u> </u>	Class B Rated3	<u>3</u>
3. Accessibility		Class C Rated5	<u> </u>
Road grade 5% or less1	<u>1</u>	Non-Rated Roofing material10	<u> </u>
Road grade 5% or more3	<u> </u>	E. Fire Protection - Water Source	
Road grade 10% or more5	<u> </u>	500 GPM Hydrant within 1,000'1	<u>1</u>
4. Secondary Road Terminus		Hydrant farther than 1,000' or	
Loop roads, cul-de-sacs with		draft site2	<u> </u>
outside turning radius of 45 feet		Water Source within 20 minutes or	
or greater1	<u>1</u>	less, round trip5	<u> </u>
Cul-de-sac turnaround radius		Water source farther than 20	
is less than 45 feet2	<u> </u>	minutes, but less than 45 minutes7	<u> </u>
Dead-end roads 200 feet or		Water source farther than 45	
less in length3	<u> </u>	minutes round trip10	<u> </u>
Dead-end roads greater		F. Existing Building Construction Materials	
than 200 feet long5	<u> </u>	Non-combustible siding/deck1	<u> </u>
5. Average lot size		Non-combustible siding	
10 acres or larger1	<u> </u>	BUT a combustable deck5	<u>5</u>
≥ 1 acre, < 10 acres3	<u> </u>	Combustible siding and deck10	<u> </u>
≤ 1 acre5	<u>5</u>	G. Utilities	
6. Street Signs		All underground utilities1	<u> </u>
Signs with names and numbers1	<u>1</u>	One underground, one above ground3	<u> </u>
Signs with names present2	<u> </u>	All above ground5	<u>5</u>
No Street Signs5	<u> </u>	H. Fire Protection Services	
B. Vegetation		Good Rural Department Coverage1	<u>1</u>
1. Fire Prone Landscape Rating		Limited Rural Department Coverage5	<u> </u>
1 - 10 scale 1-10	<u>5</u>	No Rural Department Coverage10	<u> </u>
2. Defensible Space		Total Score For Community	32
70% or more of site1	<u>1</u>		
≥ 30%, ≤ 70%3	<u> </u>	Rating Scale	
≤ 30% of site5	<u> </u>	Moderate Hazard	45-65
		High Hazard	66-79
		Extreme Hazard	80+

Source: Urban Wildland Interface Code 2000, FEMA, version 1.0 August 2001 with modification by Northwest Management, Inc.

Oasis

FEMA's Fire Hazard Severity Criteria									
Fuel Classification	Critical Fire Weather Frequency								
	< 1 Day/Year			2 to 7 Days/Year			>8 Days/Year		
	Slope %			Slope %			Slope %		
	<40%	41-60%	>61%	<40%	41-60%	>61%	<40%	41-60%	>61%
Light Fuel	M	M	M	M	M	M	M	M	H
Medium Fuel	M	M	H	H	H	H	E	E	E
Heavy Fuel	H	H	H	H	E	E	E	E	E

M = Moderate Hazard, H = High Hazard, E = Extreme Hazard

Source: Urban Wildland Interface Code: 2000

This Community: CFW Frequency: Slopes: FPL Score: 5 Landcover:	Oasis >8 Days/Year <40% Cat: Light Fuel Rangeland
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Fire Prone Landscape Results	
Min	6.0
Average	45.0
Max	51.0
STD	5.5
Upper 95% CI	50.5
Score	5

Slope Analysis (%)	
Min	0.0
Average	3.0
Max	47.0
STD	3.0
Upper 75% CI	8.1
Category	<40%

Fire Hazard Severity Rating FEMA Hazard Rating System → M ←
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Wildfire Hazard Rating Form
Elmore County, Idaho
Fire Mitigation Plan



Name of Community: Oasis **Date:** 30-Aug-03

Landcover: Rangeland **Number of Structures:** 100

WUI Condition: Interface Condition

Overall Wildfire Hazard Rating: Moderate Hazard **Potential Fire Hazard Severity: Moderate Hazard**

Comments: This rural community is situated in among highly variable concentrations of rangeland fuels with mixed ownerships. The juxtaposition to Interstate 84 means that human caused ignitions, coupled with often high winds can flame wildfires rapidly into the homes. Fire mitigation in the area is needed. **Evaluator:** Schlosser

	Points		Points
A. Community Design		C. Topography	
1. Ingress / Egress		1. Predominant Slope	
Three or more primary roads1	<u>1</u>	≤ 8%1	<u>1</u>
Two or more primary roads2	<u> </u>	> 8% ≤ 20%4	<u> </u>
One Road3	<u> </u>	> 20% ≤ 30%7	<u> </u>
One-way-in, one-way-out5	<u> </u>	> 30%10	<u> </u>
2. Width of Primary roads		D. Roofing Material	
20 feet or more1	<u>1</u>	Class A Rated1	<u> </u>
20 feet or less3	<u> </u>	Class B Rated3	<u>3</u>
3. Accessibility		Class C Rated5	<u> </u>
Road grade 5% or less1	<u>1</u>	Non-Rated Roofing material10	<u> </u>
Road grade 5% or more3	<u> </u>	E. Fire Protection - Water Source	
Road grade 10% or more5	<u> </u>	500 GPM Hydrant within 1,000'1	<u> </u>
4. Secondary Road Terminus		Hydrant farther than 1,000' or	
Loop roads, cul-de-sacs with		draft site2	<u> </u>
outside turning radius of 45 feet		Water Source within 20 minutes or	
or greater1	<u> </u>	less, round trip5	<u> </u>
Cul-de-sac turnaround radius		Water source farther than 20	
is less than 45 feet2	<u>2</u>	minutes, but less than 45 minutes7	<u>7</u>
Dead-end roads 200 feet or		Water source farther than 45	
less in length3	<u> </u>	minutes round trip10	<u> </u>
Dead-end roads greater		F. Existing Building Construction Materials	
than 200 feet long5	<u> </u>	Non-combustible siding/deck1	<u> </u>
5. Average lot size		Non-combustible siding	
10 acres or larger1	<u> </u>	BUT a combustable deck5	<u>5</u>
≥ 1 acre, < 10 acres3	<u>3</u>	Combustible siding and deck10	<u> </u>
≤ 1 acre5	<u> </u>	G. Utilities	
6. Street Signs		All underground utilities1	<u> </u>
Signs with names and numbers1	<u>1</u>	One underground, one above ground3	<u> </u>
Signs with names present2	<u> </u>	All above ground5	<u>5</u>
No Street Signs5	<u> </u>	H. Fire Protection Services	
B. Vegetation		Good Rural Department Coverage1	<u> </u>
1. Fire Prone Landscape Rating		Limited Rural Department Coverage5	<u>5</u>
1 - 10 scale 1-10	<u>5</u>	No Rural Department Coverage10	<u> </u>
2. Defensible Space		Total Score For Community	45
70% or more of site1	<u> </u>	Rating Scale	
≥ 30%, ≤ 70%3	<u> </u>	Moderate Hazard	45-65
≤ 30% of site5	<u>5</u>	High Hazard	66-79
		Extreme Hazard	80+

Source: Urban Wildland Interface Code 2000, FEMA, version 1.0 August 2001 with modification by Northwest Management, Inc.

Pine

FEMA's Fire Hazard Severity Criteria									
Fuel Classification	Critical Fire Weather Frequency								
	< 1 Day/Year			2 to 7 Days/Year			>8 Days/Year		
	Slope %			Slope %			Slope %		
	<40%	41-60%	>61%	<40%	41-60%	>61%	<40%	41-60%	>61%
Light Fuel	M	M	M	M	M	M	M	M	H
Medium Fuel	M	M	H	H	H	H	E	E	E
Heavy Fuel	H	H	H	H	E	E	E	E	E

M = Moderate Hazard, H = High Hazard, E = Extreme Hazard

Source: Urban Wildland Interface Code: 2000

This Community: CFW Frequency: Slopes: FPL Score: 3 Landcover:	Pine >8 Days/Year >61% Cat: Medium Fuel Forestland
---	--

Fire Prone Landscape Results	
Min	0.0
Average	26.8
Max	39.0
STD	7.3
Upper 95% CI	34.1
Score	3

Slope Analysis (%)	
Min	0.0
Average	44.3
Max	188.6
STD	24.0
Upper 75% CI	84.4
Category	>61%

Fire Hazard Severity Rating FEMA Hazard Rating System → E ←



Wildfire Hazard Rating Form
Elmore County, Idaho
Fire Mitigation Plan



Name of Community: Pine **Date:** 30-Aug-03

Landcover: Forestland **Number of Structures:** 258

WUI Condition: Interface Condition

Overall Wildfire Hazard Rating: Moderate Hazard **Potential Fire Hazard Severity: Extreme Hazard**

Comments: With most of the structures located in the valley bottom, Pine is surrounded with a mix of rangeland and forestland vegetation, steep slopes, and somewhat limited access options. The high amount of recreational use this area supports, with the residential population puts this community in need of treatments. **Evaluator:** Schlosser

	Points		Points
A. Community Design		C. Topography	
1. Ingress / Egress		1. Predominant Slope	
Three or more primary roads1	_____	≤ 8%1	_____
Two or more primary roads2	<u>2</u>	> 8% ≤ 20%4	_____
One Road3	_____	> 20% ≤ 30%7	<u>7</u>
One-way-in, one-way-out5	_____	> 30%10	_____
2. Width of Primary roads		D. Roofing Material	
20 feet or more1	<u>1</u>	Class A Rated1	_____
20 feet or less3	_____	Class B Rated3	<u>3</u>
3. Accessibility		Class C Rated5	_____
Road grade 5% or less1	_____	Non-Rated Roofing material10	_____
Road grade 5% or more3	<u>3</u>	E. Fire Protection - Water Source	
Road grade 10% or more5	_____	500 GPM Hydrant within 1,000'1	_____
4. Secondary Road Terminus		Hydrant farther than 1,000' or	
Loop roads, cul-de-sacs with		draft site2	_____
outside turning radius of 45 feet		Water Source within 20 minutes or	
or greater1	_____	less, round trip5	<u>5</u>
Cul-de-sac turnaround radius		Water source farther than 20	
is less than 45 feet2	_____	minutes, but less than 45 minutes7	_____
Dead-end roads 200 feet or		Water source farther than 45	
less in length3	_____	minutes round trip10	_____
Dead-end roads greater		F. Existing Building Construction Materials	
than 200 feet long5	<u>5</u>	Non-combustible siding/deck1	<u>1</u>
5. Average lot size		Non-combustible siding	
10 acres or larger1	_____	BUT a combustable deck5	_____
≥ 1 acre, < 10 acres3	<u>3</u>	Combustible siding and deck10	_____
≤ 1 acre5	_____	G. Utilities	
6. Street Signs		All underground utilities1	_____
Signs with names and numbers1	<u>1</u>	One underground, one above ground3	_____
Signs with names present2	_____	All above ground5	<u>5</u>
No Street Signs5	_____	H. Fire Protection Services	
B. Vegetation		Good Rural Department Coverage1	_____
1. Fire Prone Landscape Rating		Limited Rural Department Coverage5	_____
1 - 10 scale 1-10	<u>3</u>	No Rural Department Coverage10	<u>10</u>
2. Defensible Space		Total Score For Community	54
70% or more of site1	_____		
≥ 30%, ≤ 70%3	_____	Rating Scale	
≤ 30% of site5	<u>5</u>	Moderate Hazard	45-65
		High Hazard	66-79
		Extreme Hazard	80+

Source: Urban Wildland Interface Code 2000, FEMA, version 1.0 August 2001 with modification by Northwest Management, Inc.

Prairie

FEMA's Fire Hazard Severity Criteria									
Fuel Classification	Critical Fire Weather Frequency								
	< 1 Day/Year			2 to 7 Days/Year			>8 Days/Year		
	Slope %			Slope %			Slope %		
	<40%	41-60%	>61%	<40%	41-60%	>61%	<40%	41-60%	>61%
Light Fuel	M	M	M	M	M	M	M	M	H
Medium Fuel	M	M	H	H	H	H	E	E	E
Heavy Fuel	H	H	H	H	E	E	E	E	E

M = Moderate Hazard, H = High Hazard, E = Extreme Hazard

Source: Urban Wildland Interface Code: 2000

This Community:	Prairie
CFW Frequency:	>8 Days/Year
Slopes:	<40%
FPL Score:	3
Landcover:	Cat: Medium Fuel Forestland

Fire Prone Landscape Results	
Min	0.0
Average	20.6
Max	61.0
STD	9.1
Upper 95% CI	29.7
Score	3.0

Slope Analysis (%)	
Min	0.0
Average	5.5
Max	72.2
STD	7.8
Upper 75% CI	18.5
Category	<40%

Fire Hazard Severity Rating FEMA Hazard Rating System → E ←



Wildfire Hazard Rating Form
Elmore County, Idaho
Fire Mitigation Plan



Name of Community: Prairie **Date:** 30-Aug-03

Landcover: Forestland **Number of Structures:** 132

WUI Condition: Interface Condition

Overall Wildfire Hazard Rating: Moderate Hazard **Potential Fire Hazard Severity: Extreme Hazard**

Comments: This community is located at the juncture of rangeland and forestland fuels where fire behavior can be quite extreme. Past large fire events have threatned this community. Structures would benefit from home and community defensible spaces. Recommend the creation of a Rural Fire District for this area. **Evaluator:** Schlosser

	Points		Points
A. Community Design		C. Topography	
1. Ingress / Egress		1. Predominant Slope	
Three or more primary roads1	_____	≤ 8%1	_____
Two or more primary roads2	<u>2</u>	> 8% ≤ 20%4	<u>4</u>
One Road3	_____	> 20% ≤ 30%7	_____
One-way-in, one-way-out5	_____	> 30%10	_____
2. Width of Primary roads		D. Roofing Material	
20 feet or more1	<u>1</u>	Class A Rated1	_____
20 feet or less3	_____	Class B Rated3	<u>3</u>
3. Accessibility		Class C Rated5	_____
Road grade 5% or less1	_____	Non-Rated Roofing material10	_____
Road grade 5% or more3	<u>3</u>	E. Fire Protection - Water Source	
Road grade 10% or more5	_____	500 GPM Hydrant within 1,000'1	_____
4. Secondary Road Terminus		Hydrant farther than 1,000' or	
Loop roads, cul-de-sacs with		draft site2	_____
outside turning radius of 45 feet		Water Source within 20 minutes or	
or greater1	_____	less, round trip5	_____
Cul-de-sac turnaround radius		Water source farther than 20	
is less than 45 feet2	_____	minutes, but less than 45 minutes7	<u>7</u>
Dead-end roads 200 feet or		Water source farther than 45	
less in length3	<u>3</u>	minutes round trip10	_____
Dead-end roads greater		F. Existing Building Construction Materials	
than 200 feet long5	_____	Non-combustible siding/deck1	_____
5. Average lot size		Non-combustible siding	
10 acres or larger1	_____	BUT a combustable deck5	<u>5</u>
≥ 1 acre, < 10 acres3	<u>3</u>	Combustible siding and deck10	_____
≤ 1 acre5	_____	G. Utilities	
6. Street Signs		All underground utilities1	_____
Signs with names and numbers1	<u>1</u>	One underground, one above ground3	_____
Signs with names present2	_____	All above ground5	<u>5</u>
No Street Signs5	_____	H. Fire Protection Services	
B. Vegetation		Good Rural Department Coverage1	_____
1. Fire Prone Landscape Rating		Limited Rural Department Coverage5	_____
1 - 10 scale 1-10	<u>3</u>	No Rural Department Coverage10	<u>10</u>
2. Defensible Space		Total Score For Community	55
70% or more of site1	_____		
≥ 30%, ≤ 70%3	_____	Rating Scale	
≤ 30% of site5	<u>5</u>	Moderate Hazard	45-65
		High Hazard	66-79
		Extreme Hazard	80+

Source: Urban Wildland Interface Code 2000, FEMA, version 1.0 August 2001 with modification by Northwest Management, Inc.

Tipanuk

FEMA's Fire Hazard Severity Criteria									
Fuel Classification	Critical Fire Weather Frequency								
	< 1 Day/Year			2 to 7 Days/Year			>8 Days/Year		
	Slope %			Slope %			Slope %		
	<40%	41-60%	>61%	<40%	41-60%	>61%	<40%	41-60%	>61%
Light Fuel	M	M	M	M	M	M	M	M	H
Medium Fuel	M	M	H	H	H	H	E	E	E
Heavy Fuel	H	H	H	H	E	E	E	E	E

M = Moderate Hazard, H = High Hazard, E = Extreme Hazard

Source: Urban Wildland Interface Code: 2000

This Community: CFW Frequency: Slopes: FPL Score: 5 Landcover:	Tipanuk >8 Days/Year <40% Cat: Light Fuel Rangeland
---	---

Fire Prone Landscape Results	
Min	4.0
Average	35.1
Max	49.0
STD	14.2
Upper 95% CI	49.3
Score	5

Slope Analysis (%)	
Min	0.0
Average	1.4
Max	23.4
STD	1.2
Upper 75% CI	3.4
Category	<40%

Fire Hazard Severity Rating FEMA Hazard Rating System → M ←



Wildfire Hazard Rating Form
Elmore County, Idaho
Fire Mitigation Plan



Name of Community: Tipanuk **Date:** 30-Aug-03

Landcover: Rangeland **Number of Structures:** 110

WUI Condition: Interface Condition

Overall Wildfire Hazard Rating: Moderate Hazard **Potential Fire Hazard Severity: Moderate Hazard**

Comments: This rural community is situated in among highly variable concentrations of rangeland fuels with mixed ownerships. The juxtaposition to Interstate 84 means that human caused ignitions, coupled with often high winds can flame wildfires rapidly into the homes. Fire mitigation in the area is needed. **Evaluator:** Schlosser

	Points		Points
A. Community Design		C. Topography	
1. Ingress / Egress		1. Predominant Slope	
Three or more primary roads1	<u>1</u>	≤ 8%1	<u>1</u>
Two or more primary roads2	<u> </u>	> 8% ≤ 20%4	<u> </u>
One Road3	<u> </u>	> 20% ≤ 30%7	<u> </u>
One-way-in, one-way-out5	<u> </u>	> 30%10	<u> </u>
2. Width of Primary roads		D. Roofing Material	
20 feet or more1	<u>1</u>	Class A Rated1	<u> </u>
20 feet or less3	<u> </u>	Class B Rated3	<u>3</u>
3. Accessibility		Class C Rated5	<u> </u>
Road grade 5% or less1	<u>1</u>	Non-Rated Roofing material10	<u> </u>
Road grade 5% or more3	<u> </u>	E. Fire Protection - Water Source	
Road grade 10% or more5	<u> </u>	500 GPM Hydrant within 1,000'1	<u> </u>
4. Secondary Road Terminus		Hydrant farther than 1,000' or	
Loop roads, cul-de-sacs with		draft site2	<u> </u>
outside turning radius of 45 feet		Water Source within 20 minutes or	
or greater1	<u> </u>	less, round trip5	<u> </u>
Cul-de-sac turnaround radius		Water source farther than 20	
is less than 45 feet2	<u> </u>	minutes, but less than 45 minutes7	<u>7</u>
Dead-end roads 200 feet or		Water source farther than 45	
less in length3	<u>3</u>	minutes round trip10	<u> </u>
Dead-end roads greater		F. Existing Building Construction Materials	
than 200 feet long5	<u> </u>	Non-combustible siding/deck1	<u> </u>
5. Average lot size		Non-combustible siding	
10 acres or larger1	<u> </u>	BUT a combustable deck5	<u>5</u>
≥ 1 acre, < 10 acres3	<u>3</u>	Combustible siding and deck10	<u> </u>
≤ 1 acre5	<u> </u>	G. Utilities	
6. Street Signs		All underground utilities1	<u> </u>
Signs with names and numbers1	<u>1</u>	One underground, one above ground3	<u> </u>
Signs with names present2	<u> </u>	All above ground5	<u>5</u>
No Street Signs5	<u> </u>	H. Fire Protection Services	
B. Vegetation		Good Rural Department Coverage1	<u> </u>
1. Fire Prone Landscape Rating		Limited Rural Department Coverage5	<u> </u>
1 - 10 scale 1-10	<u>5</u>	No Rural Department Coverage10	<u>10</u>
2. Defensible Space		Total Score For Community	51
70% or more of site1	<u> </u>		
≥ 30%, ≤ 70%3	<u> </u>		
≤ 30% of site5	<u>5</u>		
		Rating Scale	
		Moderate Hazard	45-65
		High Hazard	66-79
		Extreme Hazard	80+

Source: Urban Wildland Interface Code 2000, FEMA, version 1.0 August 2001 with modification by Northwest Management, Inc.

Appendix III

WUI Wildfire Plan Public Mail Survey

Public Letter #1

mailed on August 8, 2003

August 8, 2003

Name

Address

City, State Zip

Dear Elmore County Landowner:

Thank you for taking fifteen minutes of your time to read and respond to this short inquiry. We are working with the Elmore County Commissioners Office and a host of fire protection and disaster relief organizations in Elmore County to develop a wildland fire mitigation plan in your area. As an individual who own property in Elmore County, you know that the wildland-rural interface is at very high risk to casualty loss due to forest and range fires. We all witnessed the fires in 2000 that ravaged western Montana and Central Idaho. This year's fire season is burning aggressively Idaho, especially in our area.

However, we are doing more than watching for fires this year, we are taking a proactive role in reducing fire starts and mitigating wildland fire caused casualty loss in your area. We are inviting you to take a proactive role as well.

We are developing improved predictive models of where fires are likely to ignite, locating and identifying high risk landscape characteristics, advancing improved land management practices to reduce fire rate-of-spread on forestlands and rangelands, and working with rural landowners to create defensible zones around homes and buildings so that fires are controlled BEFORE they take your valuable possessions. It is the last of these goals that we need your help with.

We would like you to complete the attached survey about your home's defensible space in the case of wildfire. Your responses will be kept completely confidential and released only in aggregated form. This questionnaire will allow us to identify key criteria that may place your home and the homes of your neighbors at the greatest risk. We will use this information to develop mitigation activities that may lead to saving your home and the community you live in.

We have sent this letter and survey to only a select number of people in Elmore County. Because of this, your response is very important to our efforts and the application of our findings to your home and to your community. Please take a few minutes to complete the enclosed survey and return it to us in the self addressed envelope.

We would like to thank you for your assistance on this project with a small token of appreciation. During the development of this project, we are completing some very advanced mapping of Elmore County. We have created detailed maps showing roads, rivers, elevation, fire prone landscapes, plant cover characteristics, and even orthophoto coverage (black and white images

taken from high elevation) with features over them. These maps are printed at 8.5" x 11" sizes. If you give us a legal land description, we will make a high resolution map of this property and send it to you. The map might be the locale of your home, your property, or even your favorite recreation spot. When you complete your survey, please mark which map coverage you would like, and we will custom color print this map for you and send it at no charge. It is our way of thanking you for your input to this very important project.

Thank you for your assistance. If you have any questions about this project or this survey please contact me at the Northwest Management, Inc., office in Moscow, Idaho, at 208-883-4488, or the Elmore County Fire Mitigation Plan Coordinator Wayne Forrey at 208-713-9345.

Sincerely,

A handwritten signature in blue ink that reads "William E. Schlosser". The signature is fluid and cursive, with a long horizontal stroke at the end.

William E. Schlosser, Ph.D.

Project Manager, Elmore County Fire Mitigation Plan

Northwest Management, Inc.

Elmore County Wildland Fire Mitigation Plan

Public Survey

1. Do you have a home in Elmore County?
 - Yes
 - No

2. Is this your primary residence?
 - Yes
 - No

3. Which community do you live closest to?

4. Does your area have 911 emergency telephone service?
 - Yes
 - No

5. Is your home protected by a rural fire department?
 - Yes
 - No

6. What type of roof does your home have (please mark one):
 - Composite
 - Wooden shake (shingles)
 - Ceramic tiles
 - Aluminum, tin, or other metal
 - Other (please indicate: _____)

7. How many trees are within 250 feet of your home?
 - None
 - less than 10
 - Between 10 and 25
 - More than 25

8. How many trees are within 75 feet of your home?
 - None
 - less than 10
 - Between 10 and 25
 - More than 25

9. Do you have a lawn surrounding your home?
 - No
 - Yes, if yes is it kept green and trimmed all summer?
 - No
 - Yes

10. How long is your driveway, from the main road to your home parking area? Please indicate distance units in feet or miles.

- Feet
- Miles

11. If your driveway is over ½ mile long, does it have turnouts that would allow two trucks to pass each other?

- No
- Yes

12. If the primary access to your home were cut off because of a wildfire, would you have an alternative route to escape through?

- No
- Yes

13. Please indicate which of the following items you have available at or near your home that could be used in fighting a wildland fire that threatens your home (mark all that apply)

- Hand tools (shovel, pualski, etc.)
- Portable water tank
- Stationery water tank
- Pond, lake, or stream water supply close
- Water pump and fire hose
- Equipment suitable for creating fire breaks (bulldozer, cat, skidder, etc.)

14. Has anyone in your household been trained in basic wildland fire fighting?

- No
- Yes

15. Has anyone in your household been trained in basic structural fire fighting?

- No
- Yes

16. Do you conduct a periodic fuels reduction program near your home site such as grass or brush burning?

- No
- Yes

17. Do livestock (cattle, horses, sheep) graze the grasses and forbs around your home?

- No
- Yes

18. Use this exercise below to assess your home's fire risk rating:
 Circle the ratings in each category that best describes your home.

Fuel Hazard Rating Worksheet		Rating
Fuel Hazard	Small, light fuels (grasses, forbs, weeds, shrubs)	1
	Medium size fuels (brush, large shrubs, small trees)	2
	Heavy, large fuels (woodlands, timber, heavy brush)	3
Slope Hazard	Mild slopes (0-5%)	1
	Moderate slope (6-20%)	2
	Steep Slopes (21-40%)	3
	Extreme slopes (41% and greater)	4
Structure Hazard	Noncombustible roof and noncombustible siding materials	1
	Noncombustible roof and combustible siding material	3
	Combustible roof and noncombustible siding material	7
	Combustible roof and combustible siding materials	10
Additional Factors	Rough topography that contains several steep canyons or ridges	+2
	Areas having history of higher than average fire occurrence	+3
	Areas exposed to severe fire weather and strong winds	+4
	Areas with existing fuel modifications or usable fire breaks	-3
	Areas with local facilities (water systems, rural fire districts, dozers)	-3

Calculating your risk

Fuel hazard _____ x Slope Hazard _____ = _____

Structural hazard + _____

Additional factors (+ or -) _____

Total Hazard Points = _____

- Extreme Risk = 26 + points**
- High Risk = 16–25 points**
- Moderate Risk = 6–15 points**
- Low Risk = 6 or less points**

19. If offered in your area, would members of your household attend a free, or low cost, one-day training seminar designed to teach homeowners in the wildland–urban interface how to improve the defensible space surrounding your home and adjacent outbuildings?

- No
- Yes

20. Would you be interested in participating in a cost share program that would pay a portion of the costs of implementing fire risk projects on your property?

- No
- Yes

Thank you very much for completing this survey and sending it back to us. This information will be combined with other data to assess the greatest threats to defending homes and adjacent buildings in the wildland–urban interface where wildland fires are common.

Please place the completed survey in the self addressed envelope and place it in the mail for return to us. Thank you!

Order Your Elmore County Area Map FREE

As a token of appreciation for completing and returning this survey, we would like to send you a detailed map of your favorite area. Complete this form and return it to us with your survey and we will custom print a color map of your property and send it to you. Maps are at a scale of approximately 1:12,000 showing 1 square mile at its center. What is the legal land description of the property you want mapped (must be in Elmore County).

_____ T _____ N, R _____ E.

or describe the area _____

About how many acres is the parcel you want mapped? _____ acres

What would you like printed as the title of the map? (Five or less words, please print)

Please select which coverage (only one per map) you would like as the primary theme:

- Land Ownership Categories (over shaded relief map)
- Ortho photo (limited availability)
- Fire Prone Landscapes

All maps include:

- Roads
- Streams & rivers
- Community locations
- Building locations (where available)
- Township, Range, and Sections (property lines are not included)
- Hillshade relief placed in the background to provide representation of slope and elevation.

Please verify your name and full address here so we can send your map to you:

Our records indicate that your address is: _____ If this is incorrect please correct it here:

Name _____

Address _____

City, State Zip _____

Public Letter #2

sent as a postcard on August 20, 2003

August 20, 2003

Dear Elmore County Resident:

About two weeks ago, I mailed you a letter and a brief survey concerning the wildfire situation in your community. That survey is instrumental to the success of the Fire Mitigation Plan we are developing in conjunction with the Elmore County Commissioners Office. We have received responses from many families in the area and we wish to extend our thanks and appreciation to everyone who has participated. However, we still have not received completed surveys from many homes in the region. If you have not returned the completed survey to us yet, please take a few minutes to complete the survey and return it in the self-addressed envelope provided with the survey.

Your responses are very important to this effort which will recommend the location and type of fire mitigation projects to be implemented in the area of your home. If you have any questions about the survey, please contact me at 208-883-4488 or the Elmore County Fire Mitigation Plan Coordinator, Wayne Forrey at 208-713-9345. If you did not receive my original letter, or if you misplaced your survey, you can request a new one at the telephone number below or write me requesting another survey.

Thank you for your time and your assistance with this project!



William E. Schlosser, Ph.D.

Northwest Management, Inc.

Natural Resource Management

233 Palouse River Dr., P.O. Box 9748, Moscow ID 83843

Tel: 208-883-4488, Fax 208-883-1098, <http://www.Consulting-Foresters.com/>

Public letter #3

Sent on September 1, 2003 and included a replacement survey (not included here).

September 1, 2003

Name

Address

City, State Zip

Dear Elmore County Landowner:

Thank you for taking fifteen minutes of your time to read and respond to this short inquiry. Last month I sent you a letter and package of materials much like this one. In that letter, I asked if you would please assist our efforts by reading, filling out, and returning a short survey concerning a **wildland fire mitigation plan** we are preparing for Elmore County in cooperation with the Elmore County Commissioners Office. I sent a short postcard reminding you of that package just over a week ago. While we have received excellent responses from many residents of the area, we have not received it from everyone. ***If you have completed and returned your survey, please accept our sincere thanks!*** If you have not returned the completed survey, please do so as soon as possible.

You are in a unique situation to provide valuable insights and information concerning the fire risks to your home and property in Elmore County. Without this information, our recommendations for specific fire risk mitigation activities will not be targeted appropriately to where the risks are located. I have enclosed another survey and return envelope for you. Please complete it and drop it in the mail so that we can include your information with that from your neighbors. ***We need your help.***

As an individual with a home and property in Elmore County, you know that the wildland-urban interface is at very high risk to casualty loss due to forest fires. We are developing improved predictive models of where fires are likely to ignite, locating and identifying high risk landscape characteristics, advancing improved forest and range management practices to reduce fire rate-of-spread, and working with rural landowners to create defensible zones around homes and buildings so that fires are controlled BEFORE they take your valuable possessions. It is the last of these goals that we need your help with.

We would like you to complete the attached survey about your home's defensible space in the case of wildfire. Your responses will be kept completely confidential and released only in aggregated form. This questionnaire will allow us to identify key criteria that may place your home and the homes of your neighbors at the greatest risk. We will use this information to develop mitigation activities that may lead to saving your home and the community you live in.

We have sent this letter and survey to only a select number of people living in Elmore County. Because of this, your response is very important to our efforts and the application of our findings to your home and to your community. Please take a few minutes to complete the enclosed survey and return it to us in the self addressed envelope.

We would like to thank you for your assistance on this project with a small token of appreciation. During the development of this project, we are completing some very advanced mapping Elmore County. We have created detailed maps showing roads, rivers, elevation, fire prone landscapes, potential fire ignition locations, plant cover characteristics, and even orthophoto coverage (black and white images taken from high elevation) with features over them. These maps are printed at 8.5" x 11" sizes. **If you give us a legal land description, we will make a high resolution map of your property and send it to you.** The map might be the locale of your home, your property, or even your favorite recreation spot. When you complete your survey, please mark which map coverage you would like, and we will custom color print this map for you and send it at no charge. It is our way of thanking you for your input to this very important project.

Thank you for your assistance. If you have any questions about this project or this survey please contact me at the Northwest Management, Inc., office in Moscow, Idaho, at 208-883-4488, or the Elmore County Fire Mitigation Plan Coordinator Wayne Forrey at 208-713-9345.

Sincerely,

A handwritten signature in blue ink that reads "William E. Schlosser". The signature is fluid and cursive, with a long horizontal stroke at the end.

William E. Schlosser, Ph.D.

Project Manager, Elmore County Fire Mitigation Plan
Northwest Management, Inc.

All Hazards Mitigation Plan Public Survey

Public Letter #1

mailed on August 5, 2005



Northwest Management, Inc.
Natural Resources Management

233 E. Palouse River Drive

PO Box 9748

Moscow, ID 83843

Tel: 208-883-4488

Fax: 208-883-1098

www.Consulting-Foresters.com

Providing a Balanced Approach to Natural Resource Management

Elmore County All Hazards Mitigation Plan Survey

August 5, 2005

Dear Elmore County Landowner:

Thank you for taking some of your time to read and respond to this short inquiry. We are working with the Elmore County Commissioners Office and a host of fire protection and disaster relief organizations in Elmore County to develop an **All Hazards Mitigation Plan** in your area. As an individual who owns property in Elmore County, you know that many areas of the county are at high risk to casualty loss due to a variety of hazards: wildfires, floods, earthquakes, landslides, wind storms, winter storms, and even terrorism. We have all witnessed a variety of hazards over the years in Elmore County.

However, we are doing more than watching disasters happen around us, we are taking a proactive role in reducing the exposure to hazards in our area. We are inviting you to help yourself and your neighbors by taking a proactive role as well by completing and returning the attached survey.

We are developing improved predictive models of where certain hazards are likely to occur, locating and identifying high risk landscape characteristics, advancing improved land management practices to reduce the exposure of people and structures to these hazards, and working with landowners to create defensible zones around homes and buildings so that preventable disasters are stopped BEFORE they take your valuable possessions. It is the last of these goals that we need your help with.

We would like you to complete the attached survey about your personal experience with hazards in Elmore County and your home's defensibility in the case of a disaster. Your

responses will be kept completely confidential and released only in summative form. This questionnaire will allow us to identify key criteria that may place your home and the homes of your neighbors at the greatest risk. We will use this information to develop mitigation activities that may lead to saving your home and the community you live in. If certain questions are not applicable to your home do not provide an answer and move on to the next question.

We have sent this letter and survey to only a select number of people in Elmore County. Because of this, your response is very important to our efforts and the application of our findings to your home and to your community. Please take a few minutes to complete the enclosed survey and return it to us in the self-addressed envelope.

We would like to thank you for your assistance on this project with a small token of appreciation. During the development of this project, we are completing some very advanced mapping of Elmore County. We have created detailed maps showing roads, rivers, elevations, risk prone landscapes, plant cover characteristics, and even orthophoto coverage (black and white, or color images taken from high elevation). These maps are printed at 8.5" x 11" sizes. If you give us a legal land description, we will make a high resolution map of this property and send it to you. The map might be the locale of your home, your property, or even your favorite recreation spot. When you complete your survey, please mark which map coverage you would like and we will custom color print this map for you and send it at no charge. It is our way of thanking you for your input to this very important project.

Thank you for your assistance. If you have any questions about this project or this survey, please contact Project Leader Toby Brown or myself at the Northwest Management, Inc. office in Moscow, Idaho at 208-883-4488.

Sincerely,

A handwritten signature in blue ink that reads "William E. Schlosser". The signature is fluid and cursive, with a long horizontal stroke at the end.

William E. Schlosser, Ph.D.

Project Manager, Elmore County All Hazards Mitigation Plan
Northwest Management, Inc.

**Elmore County All Hazards Mitigation Plan
Public Survey**

1. Do you have a home in Elmore County?
 - Yes
 - No
2. Is this your primary residence, (i.e. is this the house on which you claim a homeowner's exemption)?
 - Yes
 - No

3. Which community do you live closest to?
i. _____

4. Does your area have 911 emergency telephone service?
 - Yes
 - No
5. Is your home protected by a city/rural/ volunteer fire department?
 - Yes
 - No

6. How long is your driveway, from the main (county/state/USFS) road to your home parking area? Please indicate distance units in feet or miles.

_____	<ul style="list-style-type: none"><input type="radio"/> Feet<input type="radio"/> Miles
-------	--

7. How wide is the running surface of your driveway, in feet? _____ ft.
8. Is your driveway plowed in the winter time?
 - Yes
 - No

If yes, to what width is it normally plowed, in feet? _____ ft.

9. What is the lowest overhead obstruction in your drive way (i.e. Powerline, archway, tree branches, etc.) in feet? _____ ft.

10. Choose the most accurate description of the steepest grade of your driveway:
 - Flat. No grade.

- Moderate. Some grade, may have to use 4-wheel drive in slippery/icy conditions.
- Steep. Difficult for 2-wheel drive vehicles to pass, 4-wheel drive a must in slippery/icy conditions.

11. If your driveway is over 1/4 mile long, does it have turnouts that would allow two emergency services vehicles to pass each other?

- Yes
- No
- Not applicable

12. Is your address clearly visible from the nearest public road (County /State/USFS)?

- Yes
- No

13. If the primary access to your home were cut off because of a wildfire, landslide, or flood, would you have an alternative vehicle route to escape through?

- Yes
- No

14. Does your driveway cross a stream, river, or irrigation canal?

- Yes
- No

15. Does a stream, river, or irrigation canal cross your property?

- Yes
- No

16. Please indicate any emergency services training anyone in your household has received.

Type of Training		No	Yes	Within 5 years	More than 5 years
Wildland	Fire	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
City or Rural	Fire	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fighting					
EMT		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Basic First Aid		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Search and Rescue	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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17. Using your best judgment, please indicate if your home, property or business is located in a place that places it at risk to any of the following hazards.

Type of Hazard	No	Yes
Wildfire	<input type="radio"/>	<input type="radio"/>
Flood	<input type="radio"/>	<input type="radio"/>
Earthquake	<input type="radio"/>	<input type="radio"/>
Landslide	<input type="radio"/>	<input type="radio"/>
Wind Storm/Tornado	<input type="radio"/>	<input type="radio"/>
Winter Storm	<input type="radio"/>	<input type="radio"/>

18. Are there any other natural or man-made hazards that could affect your home, property or business that are not listed above? _____

19. Please indicate on the following table which, if any, of the following disasters have affected your home, property or business within Elmore County during the past 10 years.

↓Hazard↓	During the period 1994-2004, did this hazard occur near your home, property or business?		If YES, Complete these questions ...	Did this hazard cause damage to:			Approximately how much damage was caused to your home, property or business by each hazard (during the period 1994-2004)
	No	Yes		Home	Property	Business	
Wildfire	<input type="radio"/>	<input type="radio"/>	→	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	\$
Flood	<input type="radio"/>	<input type="radio"/>	→	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	\$
Earthquake	<input type="radio"/>	<input type="radio"/>	→	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	\$
Landslide	<input type="radio"/>	<input type="radio"/>	→	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	\$
Wind Storm/Tornado	<input type="radio"/>	<input type="radio"/>	→	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	\$
Winter Storm	<input type="radio"/>	<input type="radio"/>	→	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	\$

20. If your regular phone service (land line) was not functioning do you have alternative communication?

- Yes
- No

If yes, what alternatives are currently available to you?

- Cell Phone (with working service at your home)
- Satellite Phone
- CB/Ham radio
- Two-way radio
- Other (please specify) _____

21. Do you have an alternative power source for when the electrical service is interrupted?

- Yes
- No

22. How long do you expect it to take for the following emergency services to reach your house after an emergency call?

Type of Services	Minutes to Respond
Medical Service (Ambulance/EMT)	
Fire	
Law Enforcement	

23. Using your best judgment, please rank the importance/risk to the County as a whole from the following hazards. Rank as 1,2,3,4,5,6. 1 is Highest, 7 is lowest, use each number only once.

Type of Hazard	Rank
Wildfire	
Flood	
Earthquake	
Landslide	
Wind Storm/ Tornado	
Winter Storm	

24. If offered in your area, would members of your household attend a free or low-cost, one-day training seminar designed to share with homeowners how to reduce the potential for casualty loss surrounding your home?

Yes

No

If yes, when would you prefer to attend?

During the week

Weekend

25. How do you feel All Hazard Mitigation projects should be **funded** in the areas surrounding homes, communities, and infrastructure such as power lines and major roads?

	Mark the box that best applies to your preference		
	100% Public Funding	Cost-Share (Public & Private)	Privately Funded (Owner or Company)
Home Defensibility Projects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Community Defensibility Projects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Infrastructure Projects Roads, Bridges, Power Lines, Etc.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Thank you very much for completing this survey and sending it back to us. This information will be combined with other data to assess the greatest threats to defending homes and adjacent buildings where hazards are common.

Please place the completed survey and the Map Request Form in the self-addressed envelope and place it in the mail for return to us. Thank you!

Your name and address are printed here so that we can remove your name from our mailing list once we have your returned survey.

Order Your Elmore County Area Map

FREE

As a token of appreciation for completing and returning this survey, we would like to send you a detailed map of your favorite area. Complete this form and return it to us with your survey and we will custom print a color map of your property and send it to you. Maps are at a scale of approximately 1:12,000, showing 1 square mile at the center. Maps are produced by NMI during the winter months of December, January and February. Expect your maps to arrive in the mail during this time.

What is the legal land description of the property you want mapped (must be in Elmore County):

_____ T _____ N, R _____ E or W.

or describe the area _____

About how many acres is the parcel you want mapped? _____ acres

What would you like printed as the title of the map? (Five or less words, please print)

Please select which coverage (only one per map) you would like as the primary theme:

- Land Ownership Categories
- Imagery: Orthophoto or satellite imagery (Black and White or Color)

Maps may include:

- Roads
- Streams & rivers
- Community locations
- Building locations

Please verify your name and full address here so we can send your map to you:

Our records indicate that your address is: 	If this is incorrect please correct it here: _____ _____ _____
--	---

Public Letter #2

Sent as a postcard on August 16, 2005

August 16, 2005

Dear Elmore County Resident:

About a week ago, I mailed you a letter and a brief survey concerning the hazard situation in your community. That survey is instrumental to the success of the All Hazards Mitigation Plan we are developing in conjunction with the Elmore County Commissioners Office. We have received responses from many families in the area and we wish to extend our thanks and appreciation to everyone who has participated. However, we still have not received completed surveys from many homes in the region. If you have not returned the completed survey to us yet, please take a few minutes to complete the survey and return it in the self-addressed envelope provided with the letter.

Your responses are very important to this effort which will recommend the location and type of hazard mitigation projects to be implemented in the area of your home. If you have any questions about this project or this survey please contact Project Leader Toby Brown or me at the Northwest Management, Inc. office in Moscow, Idaho at 208-883-4488.

Thank you for your time and your assistance with this project!



William E. Schlosser, Ph.D.

Northwest Management, Inc. Natural Resource Management
233 Palouse River Dr., P.O. Box 9748, Moscow ID 83843
Tel: 208-883-4488, Fax 208-883-1098, <http://www.Consulting-Foresters.com/>

Public letter #3

Sent on August 24, 2005 and included a replacement survey (not included here).



Northwest Management, Inc. *Natural Resources Management*

233 E. Palouse River Drive

PO Box 9748

Moscow, ID 83843

Tel: 208-883-4488

Fax: 208-883-1098

www.Consulting-Foresters.com

Providing a Balanced Approach to Natural Resource Management

Elmore County All Hazards Mitigation Plan Survey

August 5, 2005

Dear Elmore County Landowner:

Thank you for taking some of your time to read and respond to this short inquiry. About two weeks ago, I sent you a letter and package of materials much like this one. In it, I asked if you would please assist our efforts by reading, filling out, and returning a survey concerning an **All Hazards Mitigation Plan** we are preparing for Elmore County in cooperation with the Elmore County Commissioner's Office and a host of fire protection and disaster relief organizations in Elmore County. While we have received excellent responses from many residents of the area, we have not received them from everyone. **If you have completed and returned your survey, please accept our sincere thanks!** If you have not returned the completed survey, please do so as soon as possible.

As an individual who owns property in Elmore County, you know that many areas of the county are at high risk to casualty loss due to a variety of hazards: wildfires, floods, earthquakes, landslides, wind storms, winter storms, and even terrorism. We have all witnessed a variety of hazards over the years in Elmore County.

However, we are doing more than watching disasters happen around us, we are taking a proactive role in reducing the exposure to hazards in our area. We are inviting you to help yourself and your neighbors by taking a proactive role as well by completing and returning the attached survey.

We are developing improved predictive models of where certain hazards are likely to occur, locating and identifying high risk landscape characteristics, advancing improved land management practices to reduce the exposure of people and structures to these hazards, and working with landowners to create defensible zones around homes and buildings so

that preventable disasters are stopped BEFORE they take your valuable possessions. It is the last of these goals that we need your help with.

We would like you to complete the attached survey about your personal experience with hazards in Elmore County and your home's defensibility in the case of a disaster. Your responses will be kept completely confidential and released only in summative form. This questionnaire will allow us to identify key criteria that may place your home and the homes of your neighbors at the greatest risk. We will use this information to develop mitigation activities that may lead to saving your home and the community you live in.

We have sent this letter and survey to only a select number of people in Elmore County. Because of this, your response is very important to our efforts and the application of our findings to your home and to your community. Please take a few minutes to complete the enclosed survey and return it to us in the self-addressed envelope.

We would like to thank you for your assistance on this project with a small token of appreciation. During the development of this project, we are completing some very advanced mapping of Elmore County. We have created detailed maps showing roads, rivers, elevations, risk prone landscapes, plant cover characteristics, and even orthophoto coverage (black and white images taken from high elevation). These maps are printed at 8.5" x 11" sizes. If you give us a legal land description, we will make a high resolution map of this property and send it to you. The map might be the locale of your home, your property, or even your favorite recreation spot. When you complete your survey, please mark which map coverage you would like and we will custom color print this map for you and send it at no charge. It is our way of thanking you for your input to this very important project.

Thank you for your assistance. If you have any questions about this project or this survey, please contact Project Leader Toby Brown or myself at the Northwest Management, Inc. office in Moscow, Idaho at 208-883-4488.

Sincerely,

A handwritten signature in blue ink that reads "William E. Schlosser". The signature is fluid and cursive, with a long horizontal stroke at the end.

William E. Schlosser, Ph.D.

Project Manager, Elmore County All Hazards Mitigation Plan
Northwest Management, Inc.

Appendix IV

Potential Funding Sources

Program: **Rural Fire Assistance**

Source: Montana Department of Natural Resources and Conservation

Description: The Rural Fire Assistance Program is a Department of the Interior program to enhance firefighter safety and strengthen fire protection capabilities. Safe and effective fire suppression in the wildland urban interface demands close coordination among local, state, tribal, and federal firefighting resources. Funding will be used to provide technical assistance, training, supplies, equipment and public education support to rural fire departments.

More info: VFA/RFA Grant Program Coordinator, Montana DNRC Forestry Division / Fire and Aviation Management Bureau 2705 Spurgin Road Missoula, Montana 59804-3199

Program: **Communities at Risk**

Source: USDA Forest Service

Description: Assistance to communities for hazardous fuels reduction projects in the wildland urban interface; includes funding for assessments and mitigation planning.

More info: Regional Forester Rick Cables 303-275-5350

Program: **State Fire Assistance**

Source: US Forest Service

Description: USFS grants to state foresters through state and private grants, under authority of Cooperative Forestry Assistance Act. Grant objectives are to maintain and improve protection efficiency and effectiveness on non-federal lands, training, equipment, preparedness, prevention and education.

More info: www.fireplan.gov

Program: **State Fire Assistance Hazard Mitigation Program**

Source: National Fire Plan

Description: These special state Fire Assistance funds are targeted at hazard fuels treatment in the wildland-urban interface. Recipients include state forestry organizations, local fire services, county emergency planning committees and private landowners.

More info: www.fireplan.gov and www.fs.fed.us/r4

Program: **Volunteer Fire Assistance**

Source: Montana Department of Natural Resources and Conservation

Description: VFA, Title IV, is a federal matching funds program with dollars provided through the USDA Forest Service. The program is administered by the Montana State Forester (State Department of Natural Resources and Conservation - DNRC). Title II/IV authorizes the Secretary of Agriculture to provide funds and technical assistance to the Montana DNRC to organize, train and equip local forces for preventing and suppressing wildfires.

More info: VFA/RFA Grant Program Coordinator, Montana DNRC Forestry Division / Fire and Aviation Management Bureau 2705 Spurgin Road Missoula, Montana 59804-3199

Program: **Forest Land Enhancement Program**

Source: US Forest Service

Description: The 2002 Farm Bill repealed the Forestry Incentives Program (authorized in 1978) and Stewardship Incentive Program (1990) cost share programs and replaced it with a new Forest Land Enhancement Program (FLEP). FLEP purposes include 1) Enhance the productivity of timber, fish and wildlife habitat, soil and water quality, wetland, recreational resources, and aesthetic values of forest land through landowner cost share assistance, and 2) Establish a coordinated, cooperative federal, state and local sustainable forestry program to establish, manage, maintain, enhance and restore forests on non-industrial private forest land.

More info: www.usda.gov/farbill

Program: **National Association of State Agencies for Surplus Property**

Source: Montana State Agency for Surplus Property

Description: Provides assistance to other state, county, and local governments by providing excess state property (equipment, supplies, tools) for wildland and rural community fire response.

More info: Mark Athearn, Program Manager Phone: 406-495-6016, Fax: 406-495-6001, Email: mathearn@state.mt.us

Program: **Federal Excess Property**

Source: US Forest Service

Description: Provides assistance to state, county and local governments by providing excess federal property (equipment, supplies, tools) for wildland and rural community fire response.

More info: Mark Athearn, Program Manager Phone: 406-495-6016, Fax: 406-495-6001, Email: mathearn@state.mt.us

Program: **Economic Action Program**

Source: US Forest Service

Description: A USFS, state and private program with involvement from local Forest Service offices to help identify projects. Addresses long-term economic and social health of rural areas; assists the development of enterprises through diversified uses of forest products, marketing assistance, and utilization of hazardous fuel byproducts.

More info: <http://www.fs.fed.us/spf/coop/programs/eap/>; Dave Atkins Phone: 406-329-3132 Fax:406-329-3132, email: datkins@fs.fes.us

Program: **Forest Stewardship Program**

Source: US Forest Service

Description: Funding helps enable preparation of management plans on state, private and tribal lands to ensure effective and efficient hazardous fuel treatment.

More info: <http://www.fs.fed.us/r1-r4/spf/stewardship.html>, Dee Sessions (801) 625-5189, (801) 625-5127 FAX, dsessions@fs.fed.us

Program: **Community Planning**

Source: US Forest Service

Description: USFS provides funds to recipients with involvement of local Forest Service offices for the development of community strategic action and fire risk management plans to increase community resiliency and capacity.

More info:

Program: **Firefighters Assistance**

Source: Federal Emergency Management Agency and US Fire Administration Program

Description: Financial assistance to help improve fire-fighting operations, services and provide equipment.

More info: www.usfa.fema.gov

Program: **Pre-Disaster Mitigation Program**

Source: Federal Emergency Management Agency

Description: Emergency management assistance to local governments to develop hazard mitigation plans.

More info: www.usfa.fema.gov ; Larry Akers, Montana Disaster and Emergency Services, (406) 841-3960 e-mail: lakers@mt.gov

Program: **Community Protection Fuels Mitigation Grants**

Source: USDA Forest Service

Description: The purpose of this grant program is to protect communities and subdivisions from fires that cross onto private property from adjacent federal property. By providing assistance to private landowners to reduce their fuel hazard, the threat to communities is reduced.

More info: Montana DNRC @ <http://dnrc.mt.gov/forestry/Fire/Grants/cwpp.asp>

Program: **Community Facilities Loans and Grants**

Source: Rural Housing Service (RHS) U. S. Dept. of Agriculture

Description: Provides grants (and loans) to cities, counties, states and other public entities to improve community facilities for essential services to rural residents. Projects can include fire and rescue services; funds have been provided to purchase fire-fighting equipment for rural areas. No match is required.

More info: <http://www.rurdev.usda.gov> or the local county Rural Development office.

Program: **Sale of Federal Surplus Personal Property**

Source: General Services Administration

Description: This program sells property no longer needed by the federal government. The program provides individuals, businesses and organizations the opportunity to enter competitive bids for purchase of a wide variety of personal property and equipment. Normally, there is no use restrictions on the property purchased.

More info: www.gsa.gov

Program: **Reimbursement for Firefighting on Federal Property**

Source: U. S. Fire Administration, Federal Emergency Management Agency

Description: Program provides reimbursement to fire service organizations that have engaged in firefighting operations on federal land. Payments can be for direct expenses and direct losses.

More info: www.fema.gov

Program: **Fire Management Assistance Grant Program**

Source: Readiness, Response and Recovery Directorate, FEMA

Description: Program provides grants to states, tribal governments and local governments for the mitigation, management and control of any fire burning on publicly (nonfederal) or privately owned forest or grassland that threatens such destruction as would constitute a major disaster. The grants are made in the form of cost sharing with the federal share being 75 percent of total eligible costs. Grant approvals are made within 1 to 72 hours from time of request.

More info: www.fema.gov

Program: **Hazard Mitigation Grant Program**

Source: Federal Insurance and Mitigation Administration, FEMA

Description: Provides states and local governments with financial assistance to implement measures to reduce or eliminate damage and losses from natural hazards. Funded projects have included vegetation management projects. It is each State's responsibility to identify and select hazard mitigation projects.

More info: www.fema.gov

Program: **Catalog of Selected Federal Grants and Assistance**

Source: National Association of Conservation Districts

Description: Provides several lists of potential federal funding sources supporting the National Fire Plan.

More info: <http://www.forestry.nacdn.org/biomass/Funding/SpecificSources.htm>

Program: **Building Better Rural Places**

Source: U.S. Department of Agriculture in collaboration with the Michael Fields Agricultural Institute

Description: This guide is written for anyone seeking help from federal programs to foster innovative enterprises in agriculture and forestry in the United States. Specifically, the guide addresses program resources in community development; sustainable land management; and value-added and diversified agriculture and forestry. Thus, it can help farmers, entrepreneurs, community developers, conservationists, and many other individuals, as well as private and public organizations, both for-profit and not-for-profit.

More info: <http://attra.ncat.org/guide/index.html>

Program: **Fuels for Schools and Beyond**

Source: Fuels for Schools Partnership

Description: To promote and encourage the use of wood as a renewable, natural resource to provide a clean, readily available energy source suitable for use in heating systems in public and private buildings. To facilitate the removal of hazardous fuels from our

forests by assisting in the development of viable commercial uses of removed material.

More info: <http://www.fuelsforschools.org/>

Appendix V

Training Programs

Program: National Fire Academy Educational Program

Source: National Fire Academy, U. S. Fire Administration, FEMA

Description: Provides training to people responsible for fire prevention and control. Training is provided at the resident facility in Emmetsburg, Maryland, and travel stipends are available for attendees. The course is available to any individual who is a member of a fire department; attendees are selected based on need and benefit to be derived by their community.

More info: www.fema.gov

Program: Emergency Management Institute (EMI), Independent Study Program

Source: EMI Readiness, Response and Recovery Directorate, FEMA

Description: The program currently provides 32 courses in emergency management practices to assist fire department managers with response to emergencies and disasters. Several courses could apply to fires in rural interface areas.

More info: www.fema.gov

Research Programs

Program: Forestry Research (Forest and Rangeland Renewable Resources Research Act)

Source: U S Forest Service

Description: Awards grants for research in a wide array of forest-related fields, including forest management and forest fire protection.

Contact: www.fs.fed.us/links/research.html

Private Foundations

Source: Idaho Community Foundation

Description: Provides grants for community development, human services; past grants have been awarded for equipment and an array of firefighting and rescue needs. Grants range from \$250 to \$25,000.

Deadline: Feb 1 for northern region; Nov 1 for statewide cycle

More info: Contact foundation for application information packet: 210 S. State Street, Boise, ID 83702; 208-342-3535; info@idcomfdn.org; www.idcomfdn.org

Source: The Allstate Foundation

Description: Provides grants for community development, government/public administration, safety/disasters. Grants average \$1,000 to \$10,000.

Deadline: None

More info: Guidelines available by mail request only: 2775 Sanders Rd., Suite F3, Northbrook, IL 60062-6127; www.allstate.com/foundation/

Source: **Plum Creek Foundation**

Description: Provides grants for community projects in areas of company operations. In 2000, grants were awarded to a volunteer fire department and a county search & rescue unit. An application form is required. Grants average around \$5,000.

Deadline: None

More info: Contact foundation at 999-3rd Ave, Suite 2300, Seattle, WA 98104; 206-467-3600; www.plumcreek.com/company/foundation.cfm; foundation@plumcreek.com

Source: **The Steele-Reese Foundation**

Description: Provides grants for rural development and projects that benefit rural areas; Idaho is one of several areas in which the foundation funds projects. Have funded projects for emergency volunteers and fire protection districts in the past. Grant amounts fall within a wide range. The foundation requires three copies of the request letter; no application form is required.

Deadline: April 1

More info: 32 Washington Square West, New York, NY 10011. Info on Idaho programs:
406-722-4564

Appendix VI

Laws Governing Fire Districts in Idaho

In 1943, the Idaho legislature passed, and Governor C.A. Bottolfson signed, the Idaho Fire Protection District Law. The law specifically recognized the legality of all fire protection districts and the legality of their officers existing prior to its passage. Pre-existing districts were instructed to comply with the provision of the law as soon as they could conveniently do so. Since that time, the law has been amended over two dozen times. The most comprehensive revision of the law occurred in 1994. The 1994 revisions stipulated that all districts created or annexed during the twelve-month period prior to June 1, 1994 were considered to be in full compliance with all applicable laws regardless of prior interpretations.

The basic purpose of the 1994 revisions was to establish procedures for the formation, operation, and dissolution of fire protection districts in the State of Idaho.

What follows is a general description of the steps needed for fire district formation, the expansion of an existing district to take in new territory, and to consolidate two or more districts into one district. Please note that whenever a reference is made to the singular action of one Board of County Commissioner hereafter in this description, it may include joint action taken or required by two or more boards of county commissioners where two or more counties are involved in fire district formation. This also applies to annexation of new territory, or consolidation of two or more fire districts in different counties. Boards of Commissioners in two or more counties are authorized by law to act jointly if a fire district has territory within each county. It is always best to seek competent legal advice if the intent is to form, annex, or consolidate districts.

Additional Information. For additional information regarding fire district officers, duties and responsibilities, operations of the Fire District Board of Commissioners, cooperative arrangements, finance, etc., refer to the Handbook for Idaho Fire Protection Districts.¹

I. Creation of a New Fire Protection District

A fire protection district may be created in any portion of a county that is not already organized into a district. Three steps must be followed to establish a fire protection district:

- 1) The proponents of the new district must file a petition with the Board of County Commissioners;
- 2) The Board of County Commissioner must hold a public hearing before the new district is formed; and
- 3) The qualified electors within the proposed district must approve the district's formation.

1) Filing the Petition: The first step in creating a fire protection district is to draw up a petition requesting its creation. The petition must designate the boundaries of the district, identify the proposed name, and include a map of the district. It must be signed by at least twenty-five property owners in the proposed district whose property holdings total at least 1,000 contiguous acres or

¹ Handbook for Idaho Fire Protection Districts. Bureau of Public Affairs Research. University of Idaho 2002. More information on how to obtain a handbook is found at the website: <http://www.uidaho.edu/bpar/fire.html>

have an assessed value of at least \$500,000 and are not currently included in any existing fire district.

The petition must be presented to the Board of County Commissioners and filed with the Clerk of the Board. The petition and supporting documents must be available for public inspection at the office of the Clerk from the time of filing until the election.

The petitioners must deposit with the Board enough money to cover the costs of advertising and hold the election to create the district. The Board determines the amount required and the funds must be deposited prior to the Board's publishing notice of the hearing for creation of the district. If the district is organized, the petitioners are reimbursed from the first tax money collected by the newly formed district for the advertising and election costs.

Any area within a city may be included within a fire protection district by resolution or ordinance of its governing board.

2) *The Hearing:* The Board of County Commissioners must set a time for a public hearing on the petition between four and six weeks after it has been filed. If the proposed fire protection district is located in two or more counties, the boards of commissioners of the affected counties must coordinate the hearing date and the publication of the hearing notice so that only one hearing is held. The hearing must be held in the county with the largest area in the proposed fire protection district. The boards of county commissioners representing the affected counties are authorized to act in a joint manner.

For three successive weeks prior to the hearing, the Board must publish notice of the hearing in a newspaper of general circulation in which the proposed district is to be located. The notice must include a description of the proposed district and its boundaries, the date of the public hearing, and state that all taxpayers within the proposed district may appear and express their views on the organization of the district and its boundaries. At the hearing, all objections are presented to the Board. After considering all testimony, the Board decides whether to deny the petition, grant it as filed, or grant it with modification. If the petition is granted, the Board of County Commissioners fixes the boundaries of the proposed district and files a map of the district with the Clerk of the Board.

3) *The Election:* After the Board of County Commissioners set the boundaries of the district, the Clerk of the Board must twice publish a notice of the election in a newspaper published within the county or counties affected to determine whether or not the district should be organized. The notice must clearly designate the names and boundaries of the proposed district and require voters to cast ballots containing the words "fire protection district, yes," or "fire protection district, no." The first notice must be published not less than 12 days prior to the election and the second not less than five days prior to the election. If the proposed fire protection district is to be located in two or more counties, the boards of county commissioners will conduct the election on the same day in each county.

Voter qualifications for a fire protection district election are the same as for other state elections: a qualified voter must be United States citizen, be at least 18 years old, and be residents of the state or the county for at least 30 days. The voter must also be a resident of the proposed fire protection district and be registered with the County Clerk.

The Board of County Commissioners creates as many election precincts within the proposed district as it deems necessary, and appoints three election judges for each precinct. The election judges forward the official election results to the Clerk of the Board of County Commissioners. Within ten days of receiving the returns, the Board of County Commissioners must canvass the votes. Where more than one county is involved, the boards of commissioners of the affected counties are to coordinate the canvassing and the announcement of the results.

The Board of County Commissioners in each county approving a newly formed district must provide a copy of the legal description and map, prepared in draftsman-like manner, to the County Assessor and Clerk and Recorder of the county or counties within thirty days of the effective date of district's formation. The fire protection district is responsible for filing the map and legal description with the State Tax Commission.

Initially, any newly created fire district must consist of three commissioners. At the time of establishment of a new fire protection district, the Board of County Commissioners shall divide the district into three subdivisions, as nearly equal in population and territory as possible.

II. Expanding an Existing Fire District

Annexation of territory within the same county. Both contiguous and noncontiguous territory may be annexed by an existing fire protection district; however, any noncontiguous territory to be included must, itself, consist of not less than forty -acre parcels of contiguous territory in order to qualify for annexation. There are two methods for annexing territory in the same county:

- At least 75 percent of the owners or contract purchasers of the land sought to be annexed may petition the fire protection board of commissioners for annexation. After receiving the petition, the fire protection district board must hold a public hearing within ten to thirty days. The fire protection district board must publish notice of the place of the hearing in at least one issue of a newspaper of general circulation within the district. Any person attending the hearing who wishes to express support or opposition must be allowed to speak at the hearing. After the hearing, the fire protection district board either approves or rejects the petition. If the board approves the petition, it makes an order to that effect and sends to the Board of County Commissioners a certified copy of the petition and a legal description of the annexed territory. The Board of County Commissioner enters and records an order of annexation, ensuring that the annexed property will be properly included in the tax rolls for the fire protection district.
- If at least 75 percent of the owners or contract purchasers of the land sought for annexation fail to sign the petition for annexation, or if the petition is denied, the territory may still be annexed by securing an affirmative vote of a majority of the qualified voters residing in the additional territory. The vote may be taken at either a general or special election. Before the annexation election, the inclusion must be approved by resolution of the board of the existing fire protection district and entered in the board minutes. The same procedures described above to create and organize a fire protection district, including petition, hearing, election notice, and an election, are to be followed for the annexation election.
- The Board of County Commissioners must provide a copy of the legal description and map, prepared in draftsman-like manner of the new boundaries to the County Assessor and Clerk and Recorder within 30 days of the effective date of the annexation of the district. The district is responsible for filing the map and legal description with the State Tax Commission.

Annexation of territory in an adjoining county. Contiguous or noncontiguous territory located in an adjoining county may be annexed to an existing fire protection district; however, any such noncontiguous territory proposed to be annexed must consist of at least forty contiguous acres. The procedures are similar to those required for the creation of a fire protection district with the following modifications:

- Two or more property owners of contiguous lands totaling at least 100 acres, or having an assessed value of at least \$125,000 may initiate proceedings.
- A petition describing the territory to be annexed, naming, and describing the fire protection district to which annexation is sought must be filed with the Board of County Commissioners of the county in which the new territory is situated. The petition must be accompanied by a map showing the boundaries of the original district, the territory proposed to be annexed, the location of the intervening county line, and a certified copy of a resolution of the fire district board consenting to the annexation.
- Notice of the hearing on the petition before the Board of County Commissioners must identify the territory proposed to be annexed, the time and place of the hearing, and state that any taxpayer in the territory may appear and present objections.
- After the hearing, if the petition is granted, the Board of County Commissioners enters an order fixing the boundaries of the annexed territory, directing the Clerk of the Board to have a map prepared. Certified copies of the order and the map are then sent to the Clerk of the Board of County Commissioners of the county in which the original fire protection district is situated.
- An election must then be held in the territory desiring annexation. Notice of the election must describe the boundaries of the territory for which annexation is sought. The notice must describe the form of the ballot to be used at the election.
- The territory proposed to be annexed constitutes one election precinct. If a voter is challenged, he/she must swear in addition to the usual elector's oath, "I am a resident within the boundaries of the territory proposed to be annexed to ___ Fire Protection District."
- The Board of County Commissioners canvasses returns of the election. If more than half of the voters support annexation, the Board of County Commissioners by order declares the territory to be annexed to the existing fire protection district. A certified copy of the order is sent to the board of the original fire protection district, to the Board of County Commissioners of the county in which the original district is situated, and to the County Clerk and Recorder of the county in which the newly annexed territory is situated.
- The Board of County Commissioners of the original fire district must provide a copy of the legal description and map showing the new boundaries of the district to the County Assessor and Clerk and Recorder within 30 days of the effective date of its formation. The fire protection district is responsible for filing the map and legal description with the State Tax Commission.
- At the first meeting of the Board of County Commissioners following the annexation, the Board must re-divide the expanded fire protection district into three subdivisions as equal as possible in terms of land area and population. No more than one fire protection district commissioner may reside in each subdistrict. If redistricting results in two commissioners residing in the same subdistricts, they must draw lots to determine who will remain in position. County Commissioners appoint individuals to fill any vacancies resulting from the annexation and the appointed commissioners serve for the remainder of the term to which they are appointed. Certified copies of appointments of the secretary and treasure of the fire district board must be filed with the clerks of the boards of county commissioners of the affected counties and the County Treasurers in which the district is located.

Any area within the boundaries of an incorporated city may, by resolution or ordinance of the governing board, be annexed to a fire protection district.

III. Consolidation of Fire Districts

One or more fire protection districts may consolidate with each other. Consolidation requires consent of all affected fire protection district boards, and under certain circumstances, the voters of the affected districts.

If two or more fire protection district boards determine it would be advantageous to consolidate into one fire protection district, the boards must prepare a consolidation agreement, which agreement must provide:

- The name of the proposed consolidated district;
- That all debts and property of the separate districts will be transferred to the consolidated district;
- The number of commissioners, either 3 or 5, on the new board;
- That all existing commissioners will be commissioners of the consolidated district until the next scheduled election when new commissioners will be elected;
- Employees of the consolidated district shall be chosen from employees of the existing districts, who shall also retain seniority rights under existing employment contracts or agreements.

Each of the fire district boards must approve the agreement. Between 10 and 30 days after approval of the consolidation agreement, each board must also hold a public hearing. Notice of the time and place of hearing must be published in at least one newspaper of general circulation within the proposed consolidated district at least 5 days before the hearing. Any persons attending the hearing must be given the opportunity to support or oppose the agreement. After the hearing, each board votes to approve or reject the proposed consolidation agreement. If each board approves, the agreement becomes effective and the consolidation is effective in 30 days unless a petition of objection is filed.

Consolidation may be initiated by the fire protection district commissioners in the districts affected. An alternative is a signed petition by 10 percent of the electors residing within the districts who voted in the last general election.

Appendix VII

Forming a Not For Profit Fire Service Organization

A non-profit organization is a group organized for purposes other than generating profit and in which no part of the organizations income is distributed to its members, directors, or officers. Some volunteer fire departments are organized as non-profit organizations.

Many -- but not all -- non-profit corporations, depending upon their purposes, can qualify for exemption from federal corporate income taxes. The U.S. Internal Revenue Code contains more than 25 different classifications of tax-exempt groups, including professional associations, charitable organizations, civic leagues, labor unions, fraternal organizations, and social clubs, to name just a few. Depending on the category of the exemption, such groups are entitled to certain privileges and subject to certain reporting and disclosure requirements and limitations on their activities. There are also a number of reporting requirements that must be adhered to after your organization is up and running.

Incorporation as a non-profit organization:

- Incorporation is a good idea if the group plans on being in existence for several years and has the need to raise money through grants and donations that require tax-exempt status.
- Incorporation and the process of seeking tax-exempt status can be costly and time-consuming.
- Liability of leaders and members of the corporation is limited (in other words, the individuals who control the corporation are not responsible, except in unusual situations, for the legal and financial obligations of the organization).
- There is a tax advantage for the financial donor if money is given to a tax-exempt corporation. (Tax-exempt status is defined in section 501 (c) (3) of the IRS Tax Code.) Money can, however, be legally given to any group or individual without tax-exempt status.
- Some foundations will simply not fund groups that do not have final approval from IRS of its tax-exempt application.
- Incorporation requires careful minutes of official organizational meetings and good financial record keeping.
- If the group's budget is more than \$25,000 per year, a tax return needs to be filed.
- Incorporation takes between 6 and 18 months to complete.

Incorporation Process:

- Develop clear and detailed By-laws and Articles of Incorporation
- Incorporation as a not-for-profit corporation within the state (filing with the state includes names and addresses of the first board of directors, etc.)
- File for recognition as tax-exempt with IRS

Estimated Costs for Incorporation . \$2,600

Attorney fees	\$1,000
Accountant fees	\$1,000
Incorporation fees (state)	\$ 50
Nonprofit application (IRS)	\$ 550

Appendix IIX

State and Federal Fire Related Codes

This section reviews the state and federal laws, policies, and organizations, which shape the responses to wildland fires that occur in Idaho.

State of Idaho

Federal law grants authority to the federal government and are not allowed to encroach on the constitutional rights afforded to states. Likewise, the state may not make laws that encroach on the powers constitutionally delegated to the federal government.

The State Board of Land Commissioners, all the state-wide elected officials, makes the rules regarding state lands while staying within the bounds of legislated law. The Idaho Department of Lands (IDL) is an extension of the State Board of Land Commissioners (58-101, 58-119 Idaho Code) and, as such, is required to execute the functions of the State Board.

The Idaho Code discusses the responsibility and powers of the State Fire Marshal, an agency of the State Department of Insurance. The Fire Marshal is mandated to carry out the International Fire Code, to prevent fires, to protect life, and to oversee that buildings meet the standards set forth in the International Fire Code (41-253, 41-254, 41-255 Idaho Code). The Fire Marshal is also charged with keeping statistics of all the fires in the state. The agency is authorized by legislation to “Purchase necessary equipment and supplies, and incur any other reasonable and necessary expense in connection with or required for the purpose of carrying out the provisions of this act.” (41-255 Idaho Code)

The State Fire Marshal's power extends to the chief (or his deputy) of each fire department or fire protective district organized under state law. In areas where there is no organized fire department, the county sheriff assumes the role of a deputy fire marshal in carrying out the provisions of the International Fire Code, and any additional regulations set forth by the State Fire Marshal. The International Fire Code prescribes regulations consistent with “recognized good practice for the safeguarding of life and property from hazards of fire and explosion . . . in the use or occupancy of buildings or premises.” (41-253 Idaho Code)

Title 38 of the Idaho State Statutes is devoted to Forestry, Forest Products, and Stumpage Districts. Idaho code allows for agreement between the Idaho Department of Lands (IDL) and federal agencies for the joint exercise of powers pursuant to certain conditions (58-104 Idaho Code). Those conditions (expressed in 67-2328 Idaho Code) overlap with what the federal agencies expect as far as reaching an agreement.

The Idaho Department of Lands is an extension of the State Board of Land Commissioners and has extensive authority in its approach towards wildland fire. The department has created an extensive wildland fire attack organization through out the state. It has the ability and authority to work with other wildfire fighting resources, in the event a fire exceeds the ability of the initial attack crew,² including wildland fire resources under mutual agreements.

The department cooperates with federal and local governments in developing plans for and directing actions relating to the prevention and suppression of wildland fire in the rural areas of the state. The IDL State Forester has the authority to cooperate with private and public landowners,

2 More information regarding state code at the following URL:
<http://www2.state.id.us/adm/adminrules/rules/idapa20/20index.htm>

political subdivisions, private associations, and other agencies to protect forest resources on a statewide basis. At the local level, IDL Area Supervisors and Fire Wardens are empowered to make agreements with federal, city, county and rural fire department resources regarding fire management.

Key Points of Idaho State Policy

- The Fire Warden of each IDL Fire Protection District takes action on all forest and range fires, regardless of land ownership, which jeopardize lands protected by the Department. In doing so, forest and range fires must meet the criteria as set forth in Title 38, Chapter 1, Idaho Code. (IDL, FMH-800: Fire Control Policy; page 2 part b)
- IDL cooperates with federal and local governments in developing plans for, and directing activities relating to, the prevention and control of wildland fires in the rural areas of the state. (IDL, Mobilization Guide; page 2 par. 2)
- The State Forester, under general supervision of the State Board of Land Commissioners, is responsible for the protection of State forest and rangeland and cooperates with landowners, political subdivisions, private associations, and other agencies in protecting other forest and rangeland resources. (IDL, Mobilization Guide; page 2, point A)
- Upon the request of the State Forester, the United States Forest Service and Bureau of Land Management provides assistance under terms of cooperative agreements. Area Supervisors and Fire Wardens of IDL are delegated the authority to make local agreements relating to fire control matters involving USFS and BLM and other federal firefighting resources not already covered by cooperative agreements. (IDL, Mobilization Guide; page 2, point E)
- Area Supervisors and Fire Wardens are delegated the authority to make local agreements relating to fire control matters involving city, county and rural fire department resources. Agreements affecting statewide operations are coordinated through the State Fire Coordinator. (IDL, Mobilization Guide; page 3, point F)
- General guidelines for fire suppression priorities:
 1. Protection of life and property.
 2. Initial attack.
 3. Emerging fires in need of reinforcement to prevent escape.
 4. Large fires with resource values at risk.
 5. Other large fires.(IDL, Mobilization Guide; page 4)
- IDL develops and maintains mutual aid and other cooperative agreements (in writing where possible) with local and adjacent fire suppression agencies and county emergency planning committees, such as Local Emergency Planning Committees. (IDL, Mobilization Guide; page 8, point D)

The Mobilization Guide and other IDL policies and responsibilities are based on state statutory provisions found in Title 38, Chapter 1, of the Idaho Code. A review of that portion of Idaho Code shows that all “forest” and “range” land within the State of Idaho is to be under the protection of either a State Forest Protection District or a Forest Protection Association.

Forest Protection Associations are affiliated or endorsed by IDL. The associations consist of a board of landowners who own forested lands and who agree to protect their own lands using money

from additional property taxes. If a forest landowner does not belong to an association then IDL will assess a tax and assume the responsibility for patrol and suppression of any fires that start on or burn through that owner's property.

Idaho's wildland fire policy has several references to the ability of the state to make agreements with federal and local government fire organizations. The agreements are to be reduced to writing whenever possible. The statutory basis for these agreements makes them legally binding documents. Within these documents, there must be specific roles and duties for each party of involved. The financial arrangements also must be thoroughly documented.

The State's personnel and equipment resources are limited to the nature of their wildland fire training. Lastly, the mobilization guide specifies that the agency provide training to its personnel using the Incident Command System (ICS). ICS is a federal system. This allows the state management teams to operate with their federal counterparts.

The responsibility of suppressing wildland fire on state lands ultimately falls to the IDL. The federal lands that intermingle with Idaho's state lands remain the responsibility of the federal government. However, with mutual aid agreements the IDL may support and work with the federal agencies, provided that the State's resource needs are being met.

The approach towards wildland fire on private forestlands in the state of Idaho is also clear. Private owners are given two choices; they can belong either to a State Forest Protective District or to a Forest Protective Association. This means that the lands are protected by the state or by a state assisted association of trained firefighters.

In the context of statutory language, "forest land" is defined as follows: any land which has upon it sufficient brush or flammable forest growth of any kind or size, living or dead, standing or down, including debris or growth following a fire or removal of forest products, to constitute a fire menace to life (including animal) or property (38-101 Idaho Code). Unfortunately, there is no mention of how a homeowner, whose property does not fit into that definition, will be treated.

The federal wildfire agencies have legal obligations only for federal lands. The state government has legal obligations to state lands, and private lands that are classified as forest or rangelands.

Rural and city fire departments act as extensions of the State Fire Marshal's office. The Fire Marshal provides training for structural and automobile fire protection, as well as medical response duties that are part of emergency services. The Fire Marshal's mission is built around preventing and then fighting structural fires only. Some fire stations have crews that are trained to fight wildland fires, but it is provided through agreements with the Idaho State Department of Lands, not the Fire Marshal's office.

Federal Policy

The Bureau of Land Management, the National Park Service, the Bureau of Indian Affairs, Fish and Wildlife Service, and the US Forest Service are all members of the National Wildfire Coordinating Group (NWCG). This group provides a formalized system of agreement on substantive issues. Any agreed-on policies, standards or procedures are then implemented directly by each agency. In effect, the NWCG is a large umbrella that coordinates wildland fire matters between all members of the group.

The 2001 Federal Wildland Fire Management Policy is in Chapter 3 in a report entitled "Review and Update of the 1995 Federal Wildland Fire Management Policy." The 2001 Wildland Fire Management Policy and the recommended changes in policy were accepted by the US Secretaries of Interior and Agriculture in 2001, bringing policy changes to the local agency level.

The National Fire Policy sets the policy for support among federal agencies for fire management, and encourages coordination with the individual states, tribes, and municipalities. The National Fire Policy places high priority on several other important topics. This interagency policy highlights and

reiterates firefighter and public safety as the number one priority; the policy calls for an assessment of the consequences on safety, property, and cultural resources in choosing the appropriate response to wildland fire.

The National Fire Policy explains the role of federal wildland firefighters (including equipment) as that of only wildland firefighting, and in the special case of the wildland-urban interface use of federal personnel will be limited to exterior structural fire suppression only. The national policy forbids use of wildland firefighters to enter a house (or other structure).

Key Features of the 2001 Wildland Fire Policy:

The 2001 Wildland Fire Policy is the guiding source for how the federal government deals with wildland fire. The document covers a wide variety of issues: safety, protection priorities, planning for possible ignitions, and the use of fire for land management purposes; and communication and education of public and agency personnel.

The 2001 Wildland Fire Policy provides a loose framework that allows agencies at all levels of government (federal to local) to work together. Below are some listed points from the 2001 Wildland Fire Policy that briefly summarize what the document is about, and summarize what applies to the homeowner.

Point 1 - Safety

“Firefighter and public safety is the first priority. All Fire Management Plans and activities must reflect this commitment.”

Point 3 - Response to Wildland Fire

“Fire, as a critical natural process, will be integrated into land and resource management plans and activities on a landscape scale, and across agency boundaries. Response to wildland fire is based on ecological, social, and legal consequences of the fire. The circumstances, under which a fire occurs, and the likely consequences on firefighter and public safety and welfare, natural and cultural resources, and values to be protected, dictate the appropriate management response to the fire.”

Point 6 - Protection Priorities

“The protection of human life is the single, overriding priority. Setting priorities among protecting human communities and community infrastructure, other property and improvements, and natural and cultural resources will be based on the values to be protected, human health and safety, and the costs of protection. Once people have been committed to an incident, these human resources become the highest value to be protected.”

Point 7 – Wildland-Urban Interface

“The operational roles of federal agencies as partners in the Wildland-Urban Interface are wildland firefighting, hazardous fuels reduction, cooperative prevention and education, and technical assistance. Structural fire suppression is the responsibility of tribal, State, or local governments. Federal agencies may assist with exterior structural protection activities under formal Fire Protection Agreements that specify the mutual responsibilities of the partners, including funding.”

Point 14 - Interagency Cooperation

“Fire management planning, preparedness, prevention, suppression, fire use, restoration, and rehabilitation, monitoring, research, and education will be conducted on an interagency basis with the involvement of cooperators and partners.”

Organization

In terms of a firefighting organization, the federal government has come to terms with the challenges of multiple agencies, multiple land ownerships, and multiple objectives. Although each agency views wildland fire differently, through the interagency approach, the federal agencies have managed to establish a strong fire management organization.

The interagency effort has come about because it is difficult for any one agency to fund enough resources to protect all of its lands. By pooling their resources and carefully coordinating their efforts, the agencies can deal with the many fires that burn every year.

On the operational end of the National Wildfire Coordinating Group (NWCG) is the National Interagency Fire Center (NIFC) in Boise, Idaho. NIFC is a complex that houses all of the agencies in one place. NIFC provides safe, effective, and efficient policies and guidance, as well as technical and logistical support to the wildland fire management community.

All of the resources available on the national level are available for fire wildland fire suppression. Through a system of allocation and prioritizing, crews and resources are frequently moved around the United States to provide fire suppression services on federal lands.

The fire teams and crews ultimately carry out the wildland fire policy. These teams have the responsibility of ordering resources, asking for assistance, and for providing the fire suppression. They also determine whose land a fire is on and if it is a threat to people, to homes, or to other property.

The personnel within that fire management organization are wildland fire trained. The rules, regulations, and legal authority of the federal government are for the preservation of federally administered lands. With the exception of government compounds that have firefighters trained to deal with fires inside of buildings and other structures, federal wildland firefighters are not trained to deal with structural fires.

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Last Page of Document



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