

## **APPENDIX A4**

### **GREYBULL FIRE MANAGEMENT UNIT**

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# 1. Greybull Fire Management Unit Guidance

## a) FMU Synopsis

### Fire Management Unit Identification

Administrative Unit	FMU Name	FMU #	Management Response Zones	Acres
Shoshone National Forest - North Zone	Greybull	1	01 – Suppression	0
			02 – Resource Dependent	63,796
			03 – Wildland Fire Use	246,954

### Ownership and Jurisdictions

Owner	Jurisdiction	Acres
US Forest Service	Shoshone National Forest	308,365
Private	Park Co. Fire Dist. # 3 – Meeteetse Hot Springs County Fire District	2,385
<b>Total</b>		<b>310,750</b>

### Dispatch Center

Name	Phone Number
Cody Interagency Dispatch Center	307-578-5140

### Radio Frequencies\*

Agency	Name	Receive Frequency	Transmit Frequency	Transmit Tone
USFS	North Zone Net	170.5000	170.5000	110.9
USFS	Carter Mountain RPT	170.5000	166.5625	146.2
USFS	Wood Ridge RPT	170.5000	166.5625	103.5

\*See the Shoshone National Forest Radio Guide in Appendix F1 for a complete list of radio frequencies.

### NFDRS Weather Stations

Station Number	Station Name & Owner	Fuel Model	Location	NESDIS #	Elevation
480212	Rattlesnake BLM	H, L Timber	42° 35.24" 109° 14.14"	52117480	6,800 ft.
480804	Grass Creek BLM	T Sagebrush- Grass	43° 56.0" 108° 51.14"	3264C70C	7,100 ft.

### NFDRS Weather Station Fire Behavior Indicators and Thresholds

Station	ERC		KDBI		1,000 hr Fuel Moisture	
	90th %	97th %	90th %	97th %	90th %	97th %
Grass Creek-T	19	21			8	7

**General Risk Category**

Subjective overall risk relative to values present, fuel hazard and fire frequency is identified for each fire management unit response zone in the table below. Additional risk information related to fire behavior and length of season are described in Section III, Part D.

Response Zone	Risk Rating			
	Values Present	Fuel Hazard	Fire Frequency	Overall Risk
01 - Suppression	3	3	1	2
02 – Resource Dependent	4	3	1	2
03 – Wildland Fire Use	1	3	1	1

1 – Low; 2 – Low Moderate; 3 – Moderate; 4 - Moderate High; 5– High

**Predominate Vegetation Types**

Cover Type	Acres
Grassland-Sagebrush	
Forest – conifers	
Forest – aspen & willow	
Barren	

**b) Management Guidance**

Wildland fire management guidance for the resources associated with the fire management unit is derived from the Shoshone National Forest Land and Resource Management Plan (Forest Plan). Applicable wildland fire management Forest Plan direction, goals, desired conditions, standards, guidelines, and management area prescriptions are detailed in Section III, Part C of the Shoshone Fire Management Plan (FMP). The specific Forest Plan direction that is used to formulate wildland fire benefit and resource protection objectives; initial attack/response actions; and appropriate management response strategies and tactical options that apply to the resources, values and attributes that occur in the fire management unit (FMU) are referenced throughout this section.

Other sources of wildland fire management direction and resource protection measures that originate in other laws, policy, handbooks and guides are also used to provide direction and guidance for wildland fire management activities for this FMU.

**c) Safety Considerations****Firefighter and public safety considerations**

Firefighter and public safety is the priority in all fire management activities. Reduce firefighter and public injuries and loss of life, and damage to communities from unwanted wildland fires, by prioritizing firefighter and public safety above other concerns in fire management activities (Forest Plan Amendment 2008-01, page 4).

History on the Forest indicates that while the annual number of fire starts is not particularly high, the fire environment is complex as high intensity fires with rapid rates of spread are common during active burning years. The fire environment is further complicated by a Forest-wide insect epidemic; mature forest, steep terrain, and frequent wind events that are not always well forecasted. There have been three recorded fire fighter entrapments on the Forest. The most serious occurred in 1937 when ten firefighters lost their lives on the Blackwater Fire. The most recent entrapment occurred in 2006 on the Little Venus Fire where ten firefighters survived an entrapment, fortunately with only minor injuries.

Environmental and Aviation Hazards

Aviation hazards are identified on the Forest Aviation Hazard Map (FMP electronic file). High winds and terrain-influenced winds that affect aviation operations are common. Environmental hazards include steep, rocky and difficult terrain, and grizzly bears.

Travel routes

Approximately 50% of the FMU is wilderness and another 25% is roadless. Road access is limited to the eastern portion of the FMU. The Greybull River Road provides access to the Phelps Mountain area and to the Jack Creek Trailhead which leads into the Washakie Wilderness. The Wood River, Timber Creek, Gooseberry, and Cottonwood Creek have a network of forest roads that provide access to the southeast part of the FMU. There are no roads that pass through the FMU.

**d) Fire Management Unit Resources and Values**Air Quality

The Washakie Wilderness is a federally designated Class I Airsheds in the FMU. Yellowstone National Park located to the west of the FMU is also designated as a Class 1 Airshed. There are no non-attainment areas within or adjacent to the FMU.

## Resource Protection Objectives

Resource	Forest Plan Direction (Goal, Desired Condition, Standard, Guideline)
air quality	Comply with State and Federal air quality standards (Forest Plan 1986, page III-97).

## Resource Protection Measures for Fire Management Activities

Resource	Description of Protection Measures
air quality	Implement smoke management actions in accordance with Wyoming Air Quality Standards and Regulations (Regulations) chapter 10, section 4, Smoke Management Requirements.

Vegetation

Forested vegetation varies widely across the FMU due to variations in elevation, aspect, climatic factors, and past disturbances. The uppermost elevation zone is characterized by alpine tundra and the absence of trees. The next lower elevation zone is the subalpine zone, dominated in most places by Engelmann spruce, subalpine fir, and whitebark pine. Below the subalpine zone lies the montane zone, characterized by Douglas-fir. Other species that occur in the subalpine and montane zones include lodgepole pine, limber pine, and aspen.

Grass, sometimes mixed with sagebrush, regularly occurs in forest openings. In areas where environmental factors do not support tree reproduction, grasslands and shrublands persist. In the foothill zone below the montane zone, grass and shrubs dominate. In the montane and subalpine zones, grass and shrubs persist in areas where site conditions limit moisture, such as well-drained landforms, southern or western exposures, thin or poorly developed soils, and high windswept sites. In the severe environment of the alpine zone, grass and shrubs dominate. In portions of the subalpine and montane zones, lodgepole pine and aspen are common early seral species following fire disturbance. Fire also affects the acres that are dominated by grasses and shrubs.

Greybull FMU Vegetation Types and Acres

Cover Type	Acres	Cover Type	Acres
Grassland		Lodgepole pine	
Sagebrush		Whitebark pine	
Willow		Limber pine	
Spruce/fir		Aspen	
Douglas-fir			

Resource Benefit Objectives

Resource	Forest Plan Direction (Goal, Desired Condition, Standard, Guideline)
vegetation	Both unplanned ignitions and prescribed fire are used as tools to achieve and maintain vegetation conditions and desired fuel levels. Fire operates within historical fire regimes appropriate to the vegetation type and management objectives. Prescribed fire plays a role in areas where managing unplanned ignitions for resource benefits is not appropriate because of high values (FPA 2008-1 p. 3).  Improve the health and vigor of vegetation types outside wilderness and selected types in wilderness where necessary (Forest Plan 1986, page III-6).  Integrate vegetation management with resource management in functional areas – range, recreation, water and wildlife (Forest Plan 1986, page III-7).
aspen	Clearcut, burn or treat aspen mechanically to in order to promote suckering and revegetation of aspen patches (Forest Plan 1986, page III-155)

Resource Protection Objectives

Resource	Forest Plan Direction (Goal, Desired Condition, Standard, Guideline)
vegetation	Fire management strategies are designed to achieve land management protection or benefit objectives, are cost effective, and meet safety objectives for firefighting and the public(Forest Plan Amendment 2008-01, page 3).

Wildlife habitats – terrestrial and aquatic

*Critical Winter Range:* Critical wildlife winter range areas are identified on Map 4.1. Currently, there are no issues with condition of the winter range area that would prevent a fire to be managed for resources benefits or require protection.

*Grizzly Bear:* This species is a Forest Service Region 2 sensitive species. Grizzlies have variable habitat, and eat everything from carcasses to moths to whitebark pine seeds to garbage. The most important elements needed to stabilize grizzly bear populations are minimizing bear/human conflicts and protecting key food sources, such as whitebark pine and moth sites. Most of the FMU is inside the Crandall Sunlight Bear Management Unit of the Primary Conservation Area.

*Yellowstone Cutthroat Trout:* Yellowstone cutthroat trout is a subspecies of cutthroat trout that was historically found in the Yellowstone River drainage and reaches of the Snake River drainage. Stream segments containing Yellowstone cutthroat trout are identified on Map 4.1.

## Resource Benefit Objectives

Resource	Forest Plan Direction (Goal, Desired Condition, Standard, Guideline)
wildlife	Integrate vegetation management with resource management in functional areas – range, recreation, water and wildlife (Forest Plan 1986, page III-7)  Maintain fuel conditions that permit fire suppression and prescribed fire to maintain habitat needed for selected species or species population levels (Forest Plan 1986, page III-152).

## Resource Protection Objectives

Resource	Forest Plan Direction (Goal, Desired Condition, Standard, Guideline)
grizzly bear – food storage	Minimize grizzly bear/human conflicts using food storage, information and education, and other management tools (FPA 2006-001).
grizzly bear habitat – food sources	Maintain the productivity, to the extent possible, of the four key grizzly bear food sources as identified in the Conservation Strategy (FPA 2006-001).

## Resource Protection Measures for Fire Management Activities

Resource	Description of Protection Measures
grizzly bear	Implement bear safety and food storage mitigation measures as described in the Shoshone National Forest Wildland Fire Management Resource Protection Standards and Guidelines.
Yellowstone Cutthroat Trout	Implement protection measures for riparian areas, lakes and streams as described in the Shoshone National Forest Wildland Fire Management Resource Protection Standards and Guidelines.

Special areas

Special management area designations in the FMU include the Washakie Wilderness and the Proposed Kirwin Historic Area. Direction regarding wildland fire management for the Kirwin Area is described under the cultural resources section.

See Map 4.2 for the location of special areas in the FMU.

Water quality

All the 6th level hydrologic unit watersheds in the FMU are rated as being in good condition or better (Map 4.3). At this time there are no concerns with application of fire on the landscape as a means to accomplish resource benefits.

## Resource Protection Objectives

Resource	Forest Plan Direction (Goal, Desired Condition, Standard, Guideline)
water	Improve or maintain water quality to meet state water quality standards (Forest plan 1986, page III-70).

## Resource Protection Measures for Fire Management Activities

Resource	Description of Protection Measures
water quality	Implement protection measures for riparian areas, lakes and streams as described in the Shoshone National Forest Wildland Fire Management Resource Protection Standards and Guidelines.  Implement practices regarding fire management activities as described in the Forest Service Handbook 2509.25, Watershed Conservation Practices.

### Cultural Resources

The general location of known cultural resource sites and not yet surveyed areas that have a high probability of containing sites are located on the Cultural Resources Map for the FMU (Map 4.4). The map with the general locations is part of the FMP electronic file and is also available for use by fire managers and agency administrators. More specific information regarding site locations will be provided by the heritage program manager when needed.

The Greybull FMU contains a significant historic site. The Proposed Kirwin Historic Area is located in the Wood River drainage (Map 4.3) and is a mining town that was formed in the 1880s after gold and silver was discovered in the area. The property contains cabins, mining equipment and a mine shaft.

### Resource Protection Objectives

Resource	Forest Plan Direction (Goal, Desired Condition, Standard, Guideline)
cultural	Wildland fire management activities should protect cultural resources when feasible with priority given to sites listed on the National Register of Historic Places, sites recommended for selection to the Register and to known unevaluated sites (FPA 2008-1 p. 6).
Proposed Kirwin Historic Area	Fires within the Proposed Kirwin Historic Area should be suppressed. Use initial attack actions that keep fires as small as possible. For wildland fires that threaten to burn into the Historic Area, the appropriate management response should consist of strategies and tactics that keep fires from burning into the Historic Area (Forest Plan Amendment 2008-01, page 6).

### Resource Protection Measures for Fire Management Activities

Resource	Description of Protection Measures
cultural	Follow procedures for wildland fire management activities as outlined in Appendix G of the Programmatic Agreement with the State Historic Preservation Officer for Compliance with the National Historic Preservation Act on Forest and Grasslands of Wyoming.  Implement protection measures for cultural resources as described in the Shoshone National Forest Wildland Fire Management Resource Protection Standards and Guidelines.

### Wilderness

There is one wilderness in the FMU (Map 3.0). The Washakie Wilderness comprises approximately 50% of the FMU.

### Resource Benefit Objectives

Resource	Forest Plan Direction (Goal, Desired Condition, Standard, Guideline)
wilderness	Permit fires to play, as nearly as possible, their natural ecological role within wilderness area (FPA 2008-1 p. 9).  Allow natural succession to proceed without human intervention in designated wilderness, wilderness study areas, and special management areas (Forest Plan 1986, page III-6).



## Resource Protection Measures for Fire Management Activities

Resource	Description of Protection Measures
wilderness	Implement minimum impact suppression and logistic techniques as described in the Shoshone National Forest Wildland Fire Management Resource Protection Standards and Guidelines.

Goods and Services

*Timber:* Lands suitable for timber production are present within the FMU and are primarily located within the resource dependent zone. Lands suitable for timber production are identified on the Values at Risk Map for the FMU (Map 4.5) Lands suitable for timber production are considered high value assets and under most circumstances would not be allowed to burn unless it was determined there would be beneficial effects or no effects. Development of strategies to manage a fire for resource benefits would consist of an assessment of what areas would benefit from fire and what areas should be protected from fire or subject to limited fire intensity.

There may be a few instances where lands suitable for timber production may be allowed to burn and commercial timber products destroyed or damaged while managing a fire as wildland fire use or as an unwanted wildland fire. For example, situations where it is infeasible to protect an isolated stand, or where the value of the timber does not warrant the cost or commitment of resources and a substantial resource benefit may be achieved.

## Greybull FMU Active and Planned Timber Sales

Sale Name	Location	Status	Purchaser
Lower Wood River TS	T46N, R103W, S23-25; T46N R102W, S28-30, 33	Advertise 09	
Dick Creek TS	Dick Creek, North Dick and South Dick Creeks	Appealed Nepa – in planning	
Cottonwood TS	T45N R101W, S29-32	Planning	
Gooseberry TS	T45N, R102W, S1,2,12; T45N, R101W, S6,7,8,17-20	Planning	

*Grazing:* There several grazing allotments within the FMU and they are identified on the Values at Risk Map (Map 4.5). Forest-wide Forest Plan direction and desired conditions regarding vegetation is generally consistent with range management objectives. Whether a fire is being managed for resource benefits or protection objectives, coordination with range management specialist and permittees occur.

*Special Uses:* Permitted outfitter and guide operations occur throughout the FMU. Camp locations are identified on the Values at Risk Map (Map 4.5). Whether a fire is being managed for resource benefits or protection objectives, coordination with special uses managers and outfitters occur.

*Minerals:* There are no mining, drilling or exploration operations occurring in the FMU.

## Resource Benefit Objectives

Resource	Forest Plan Direction (Goal, Desired Condition, Standard, Guideline)
timber and grazing	Both unplanned ignitions and prescribed fire are used as tools to achieve and maintain vegetation conditions and desired fuel levels. Fire operates within historical fire regimes appropriate to the vegetation type and management objectives. Prescribed fire plays a role in areas where managing unplanned ignitions for resource benefits is not appropriate because of high values. Fire management strategies are designed to achieve land management protection or benefit objectives, are cost effective, and meet safety objectives for firefighting and the public(Forest Plan Amendment 2008-01, page 3).

## Resource Protection Objectives

Resource	Forest Plan Direction (Goal, Desired Condition, Standard, Guideline)
goods and services	Wildland fire plays a role within and outside of wilderness where appropriate and desirable, but active suppression of fire occurs where necessary to protect life, investments, and valuable resources. Valuable resources include the wildland urban interface, utility corridors and communication sites. Other valuable resources include public water supply, recreation facilities, administrative sites, range allotments, special management areas, fish and wildlife habitats, and lands suitable for timber production (Forest Plan Amendment 2008-01, page2).

Developments, Facilities and Infrastructure

Developments, facilities and infrastructures occur within and adjacent to the FMU and are displayed on the Values at Risk Map (Map 4.5). Most of the sites are located within the Resource Dependent Management Zone. There are some facilities and developments in the Wildland Fire Use Management Zone.

## Greybull FMU Recreation Sites (developed)

Name	Geographic Location
Brown Mountain Campground	T46N, R103W, S23
Wood River Trailhead	T46N, R102W, S30
Wood River Campground	T46N, R102W, S29
South Fork Wood River Trail-head	T46N, R102W, S29
Jack Creek Campground/TH	T48N, R104W, S21

## Greybull FMU Backcountry Administrative Sites

Name	Geographic Location
Venus Cabin	T47N, R105W, S23
Anderson Lodge	T48N, R105W, S26
Haymaker Cow Camp	T47N, R105W13
Betty Cabin	T48N, R104W, S7

## Greybull FMU Utilities and Communication Sites

Name	Geographic Location
Timber Creek SNOTEL	T47N, R103W, S23
Kirwin SNOTEL	T45N, R104W, S15

## Resource Protection Objectives

Resource	Forest Plan Direction (Goal, Desired Condition, Standard, Guideline)
developments, facilities and infrastructure	Wildland fire plays a role within and outside of wilderness where appropriate and desirable, but active suppression of fire occurs where necessary to protect life, investments, and valuable resources. Valuable resources include the wildland urban interface, utility corridors and communication sites. Other valuable resources include public water supply, recreation facilities, administrative sites, range allotments, special management areas, fish and wildlife habitats, and lands suitable for timber production (Forest Plan Amendment 2008-01, page2).  Fire management strategies are designed to achieve land management protection or benefit objectives, are cost effective, and meet safety objectives for firefighting and the public(Forest Plan Amendment 2008-01, page 3).

Wildland Urban Interface

Structures occurring within and adjacent to the FMU are primarily located within the Resource Dependent Management Zone (Values at Risk - Map 4.5).

Local fire departments and agencies are responsible for structure protection; management of wildland fires burning on the Shoshone National Forest is the responsibility of the Forest Service. Keeping fires from reaching structures and private property adjacent to the Forest as well as permitted lodges and residences located on the Forest is consistent with current federal policy and Forest Plan direction. In addition, cooperative agreements and operating plans are in place that permits Forest Service firefighters to assist local jurisdictions with structure protection on private property, but for not entering structures to suppress fires.

The approach for developing the appropriate management response for wildland fire burning on the Forest that threatens individual structures or the wildland urban interface is the same for fire being managed for resource benefit or suppression objectives. Aggressive or intense management actions would occur in locations that have the highest probability of success in preventing damage or loss while ensuring the safety of the public and firefighters. These actions could occur near structures in close cooperation with the local jurisdiction or at some distance from structures where circumstances are favorable for stopping the advance of a fire toward structures.

## Greybull FMU Communities and Subdivisions

Community Name	Geographic Location
Meeteetse Creek Ranches	Meeteetse Creek
Upper Greybull River Ranches	Timber Creek to Jack Creek along the Greybull River
Wood River Ranches	Wood River
Grass Creek Ranches	Grass Creek
Cottonwood Creek Ranches	Cottonwood Creek
Deer Creek Cabin Inholding	T46N, R102W, S19,30

## Greybull FMU Permitted recreation residences

Community Name	Geographic Location
Wood River Cabin Group	T46N, R103W, S23

## Greybull FMU Permitted lodges

Lodge Name	Geographic Location
None	

## Greybull FMU Administrative sites

Site Name	Geographic Location
Timber Creek Ranger Station	T47N, R103W, S14
Wood River Guard Station	T46N, R102W, S21 (located off forest)
Kirwin	T45N, R104W, S11-14
Double D Ranch	T46N, R103W, S21
Jack Creek Cow Camp	T47N, R104W, S3
Game And Fish Cabin	T47N, R104W, S9

## Resource Protection Objectives

Resource	Forest Plan Direction (Goal, Desired Condition, Standard, Guideline)
wildland urban interface	Wildland fire plays a role within and outside of wilderness where appropriate and desirable, but active suppression of fire occurs where necessary to protect life, investments, and valuable resources. Valuable resources include the wildland urban interface, utility corridors and communication sites. Other valuable resources include public water supply, recreation facilities,

	<p>administrative sites, range allotments, special management areas, fish and wildlife habitats, and lands suitable for timber production (Forest Plan Amendment 2008-01, page2).</p> <p>Fire management strategies are designed to achieve land management protection or benefit objectives, are cost effective, and meet safety objectives for firefighting and the public(Forest Plan Amendment 2008-01, page 3).</p>
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### e) Invasive species

*Invasive plants:* There are over 20 high priority terrestrial invasive species on the Shoshone with many more invasive species with the potential to spread across large portions of the Forest. Wildfires of any cause can enhance conditions for spread if fires expose soil, reduce native vegetation, and facilitate the introduction or movement of invasive seed sources into an area. Locations of invasive plants are mapped (Map 4.6) and are located in the FMP electronic files.

*Invasive aquatics:* Aquatic nuisance species occur just inside or adjacent to the Forest (Map 4.7), including whirling disease, New Zealand mudsnails, and didymo. Fire suppression equipment can travel long distances to the Forest, and with them, the potential to introduce other aquatic nuisance species or move them to another area.

Whirling disease, New Zealand mudsnails, and didymo have not been documented as occurring in the FMU or adjacent to it at this time.

#### Resource Protection Measures for Fire Management Activities

Resource	Description of Protection Measures
vegetation	<p>Implement protection measures for invasive plants as described in the Shoshone National Forest Wildland Fire Management Resource Protection Standards and Guidelines.</p> <p>Follow practices related to fire management activities described in Forest Service Manual 2080 Noxious Weed Management for Forest Service activities.</p>
aquatic	<p>Implement protection measures for riparian areas, streams and lakes as described in the Shoshone National Forest Wildland Fire Management Resource Protection Standards and Guidelines.</p>

### f) Fire Environment

#### Historic Fire Occurrence and Behavior

Map 4.8 displays the historic fire occurrence and cause for the FMU. Additional information related to fire behavior on the Forest is described in Section III, Part D.

#### Fire Weather

Historical weather information, patterns influencing fire behavior and fire seasons are described in Section III, Part D. Additional weather and fire behavior related information is located in the Shoshone National Forest Weather Handbook in Appendix J.

#### Fire Behavior and fuels

Map 4.9 displays the fuel types and relative acres for each type associated with the FMU. GIS data layers are also available in the FMP electronic file. Additional information regarding fuel conditions and topography that influence fire behavior and potential control problems are described in Section III, Part D.

## Resource Benefit Objectives

Resource	Forest Plan Direction (Goal, Desired Condition, Standard, Guideline)
fuels	<p>Both unplanned ignitions and prescribed fire are used as tools to achieve and maintain vegetation conditions and desired fuel levels (Forest Plan Amendment 2008-01, page 3).</p> <p>Reduce the accumulation of natural fuels (Forest Plan 1986, page III-8).</p> <p>Prescribed fire will be utilized as a vegetative and fuels management technique where it is the most cost-efficient and acceptable alternative to achieve management objectives (Forest Plan 1986, page III-96).</p> <p>Maintain fuel conditions that permit fire suppression and prescribed fire to maintain habitat needed for selected species or species population levels (Forest Plan 1986, page III-152).</p>

Fire Regime Condition Class

Eighty-six percent of the FMU is in a fire regime condition class 1. One vegetation conditions is in some jeopardy based on the time since the last disturbance. This includes approximately 42,065 acres of fire regime III that are in condition class 2. This represents approximately 14 percent of the FMU. A summary of the number of acres by fire regime condition class are displayed in the table below and on Map 3.10.

Greybull FMU Fire Regimes and Condition Classes

Fire regime	Condition class	Fire return interval	Burn severity	Acres	Percent
II	1	35 – 70 years	Stand replacement	0	0%
	2			9	0%
III	1	35 -100 years	Mixed	0	0%
	2			42,065	14%
IV	1	70 - 150 years	Stand replacement	127,247	41%
V	1	200 – 300 years	Stand replacement	138,862	45%
Barren	None	None	None	2,568	<1%

## Resource Benefit Objectives

Resource	Forest Plan Direction (Goal, Desired Condition, Standard, Guideline)
fire regime condition class	Both unplanned ignitions and prescribed fire are used as tools to achieve and maintain vegetation conditions and desired fuel levels. Fire operates within historical fire regimes appropriate to the vegetation type and management objectives. Prescribed fire plays a role in areas where managing unplanned ignitions for resource benefits is not appropriate because of high values (Forest Plan Amendment 2008-01, page 3).

**g) FMU Initial Response/Attack Run Card**

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## Greybull Fire Management Unit Initial Response/Attack Run Card

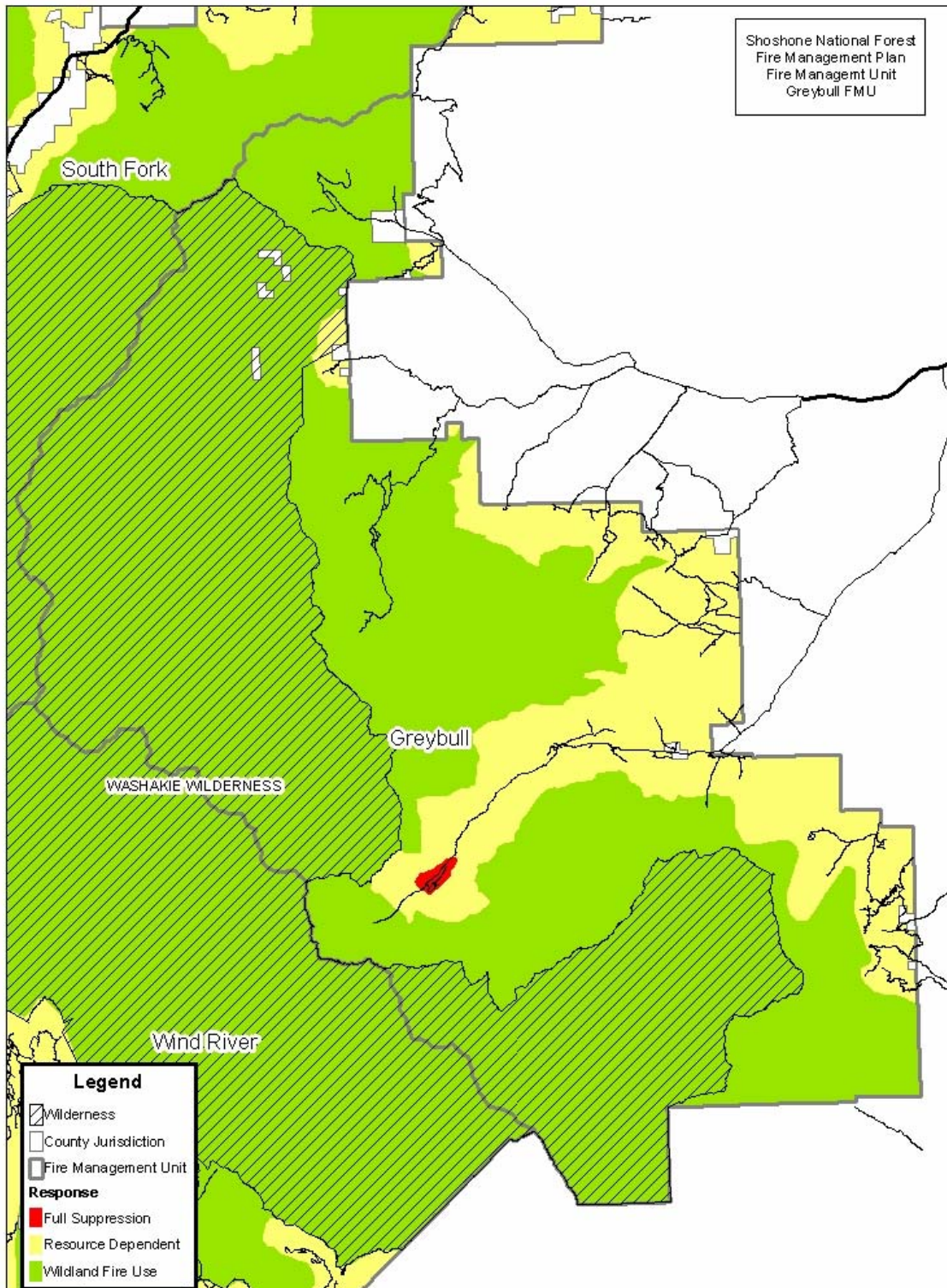
Full Suppression Response Zone					
Dispatch Resource	Fire Danger - Crandall RAWS 480213				
	Low	Mod	High	VH	EXT
Engine			1	1	2
Hand Crew (2 - 4 person)	1	1	1	1	2
Helicopter/Aerial Recon		1	1	1	1
Duty Officer/FMO/AFMO	X	X	X	X	X
<p>Unplanned ignitions are considered to be unwanted fires and initial attack responses will consist of the safest and most effective and cost efficient actions to contain and control fires as quickly as possible.</p>					

Resource Dependent Response Zone					
Engine (T3, T4, or T6)	1	1	1	2	3
Hand Crew (2 - 4 person)			1	1	2
Helicopter/Aerial Recon				1	1
Duty Officer/FMO/AFMO	X	X	X	X	X
Local Jurisdiction Resources (if structures are threatened)	X	X	X	X	X
<p>Initial response to fires within the Resource Dependent Response Zone will require an assessment as to whether or not the fire is a wildland fire use candidate. The Duty Officer/AFMO/FMO begins this assessment immediately by evaluating the probable cause and location of the fire relative to resource values. Commensurate with the assessment, initial attack resources are dispatched to a fire under the assumption that the fire is to receive a suppression response unless directed otherwise. Human caused fires are classed as an unwanted fire and will receive a suppression response.</p>					

Wildland Fire Use Response Zone					
Engine				1	2
Hand Crew (2 - 4 person)	1	1	1	1	2
Helicopter/Aerial Recon			1	1	1
Duty Officer/FMO/AFMO	X	X	X	X	X
<p>Initial response to fires within the Wildland Fire Use Response Zone will require an assessment as to whether or not the fire is a wildland fire use candidate. The Duty Officer/AFMO/FMO begins this assessment immediately by evaluating the probable cause and location of the fire relative to resource values. Human caused fires are classed as an unwanted fire and will receive a suppression response. Initial response resources are dispatched to a fire under the assumption that the fire is a potential wildland fire use candidate and would not begin suppression actions unless directed otherwise.</p>					

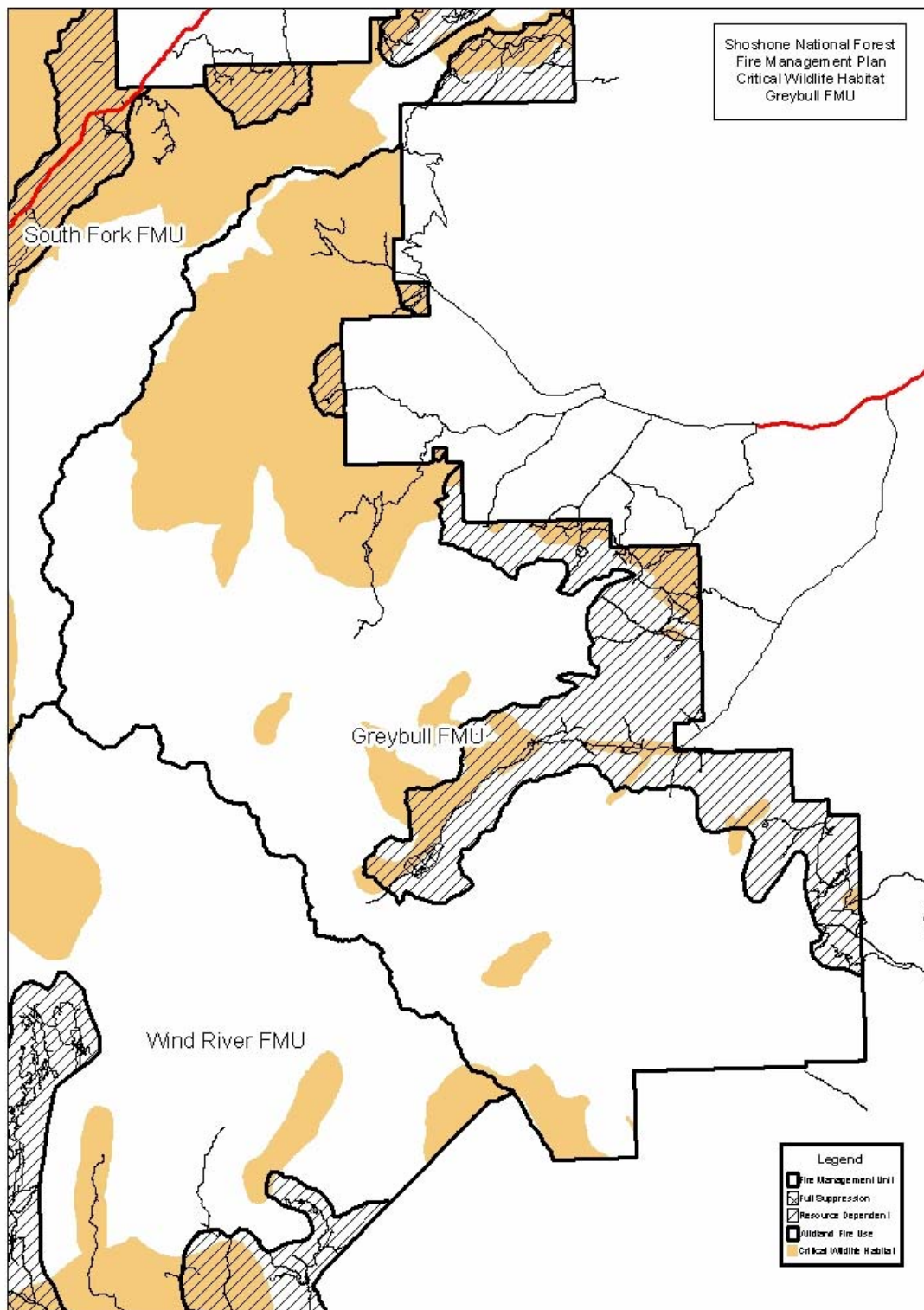
### Other Instructions

### Map 4.0 - Greybull FMU Boundaries and Response Zones

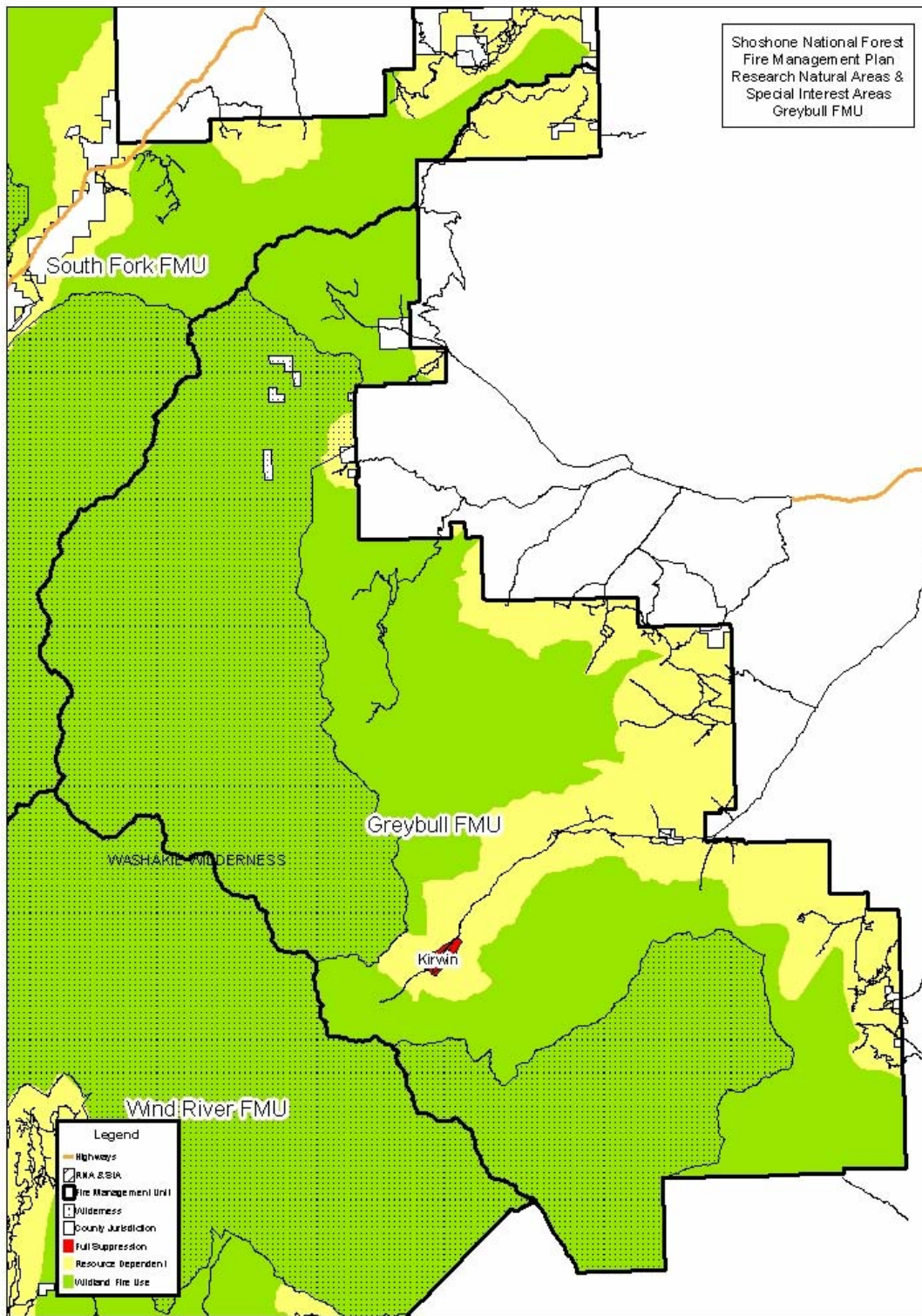




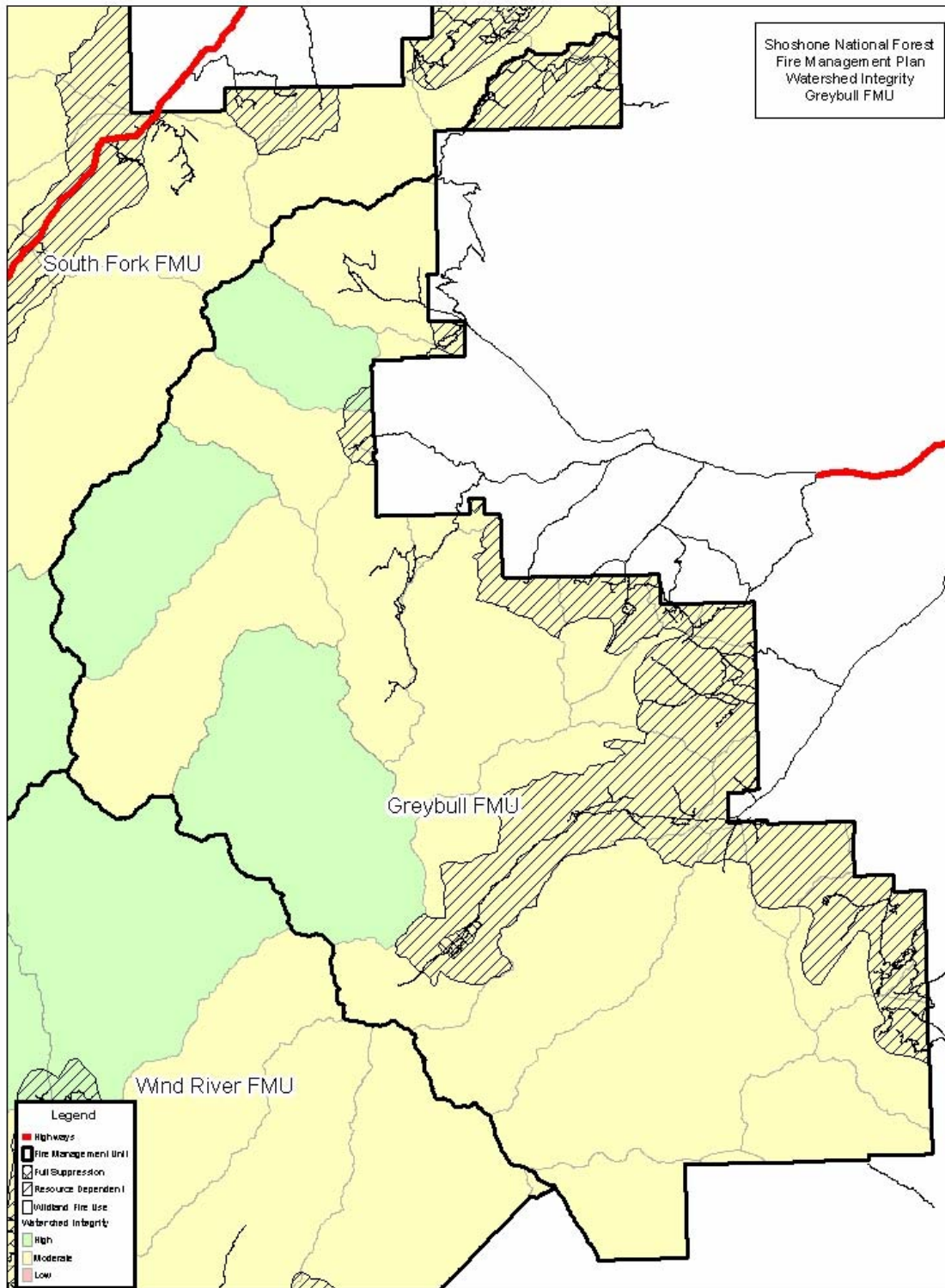
### Map 4.1 - Greybull FMU Wildlife Critical Winter Range and Yellowstone Cutthroat Trout Locations



### Map 4.2 - Greybull FMU Special Areas



### Map 4.3 - Greybull FMU Watershed Condition





## **Map 4.4 - Greybull FMU Cultural Resources**

A hard copy map of the approximate location of known cultural sites and not yet surveyed areas that have high probability of containing sites have been distributed to the zone FMOs. Detailed site-specific information is held by the Forest heritage program manager and can be obtained when needed. The information is stored in a GIS database as well.

## **Map 4.5 - Greybull FMU Values at Risk**

A comprehensive map displaying the values in the FMU that may be at risk is available in hardcopy and can be printed from the FMP electronic file. The associated data is also stored in a GIS data format that can be accessed from the Forest's GIS fire files at anytime when needed.

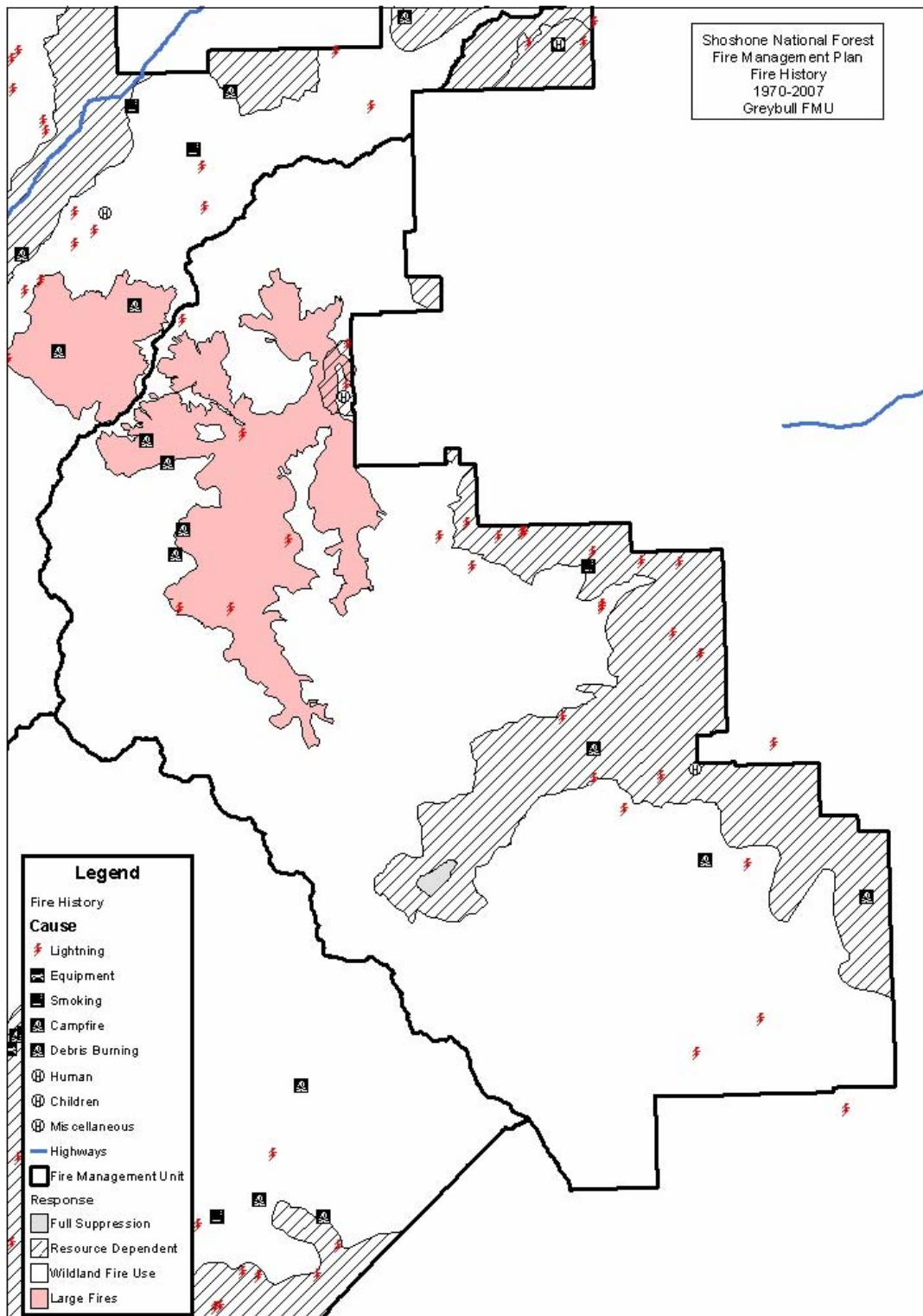
## **Map 4.6 - Greybull FMU Invasive Plants**

Invasive plant locations are mapped and available from the Forest's GIS corporate database.

## **Map 4.7 - Greybull FMU Invasive Aquatics**

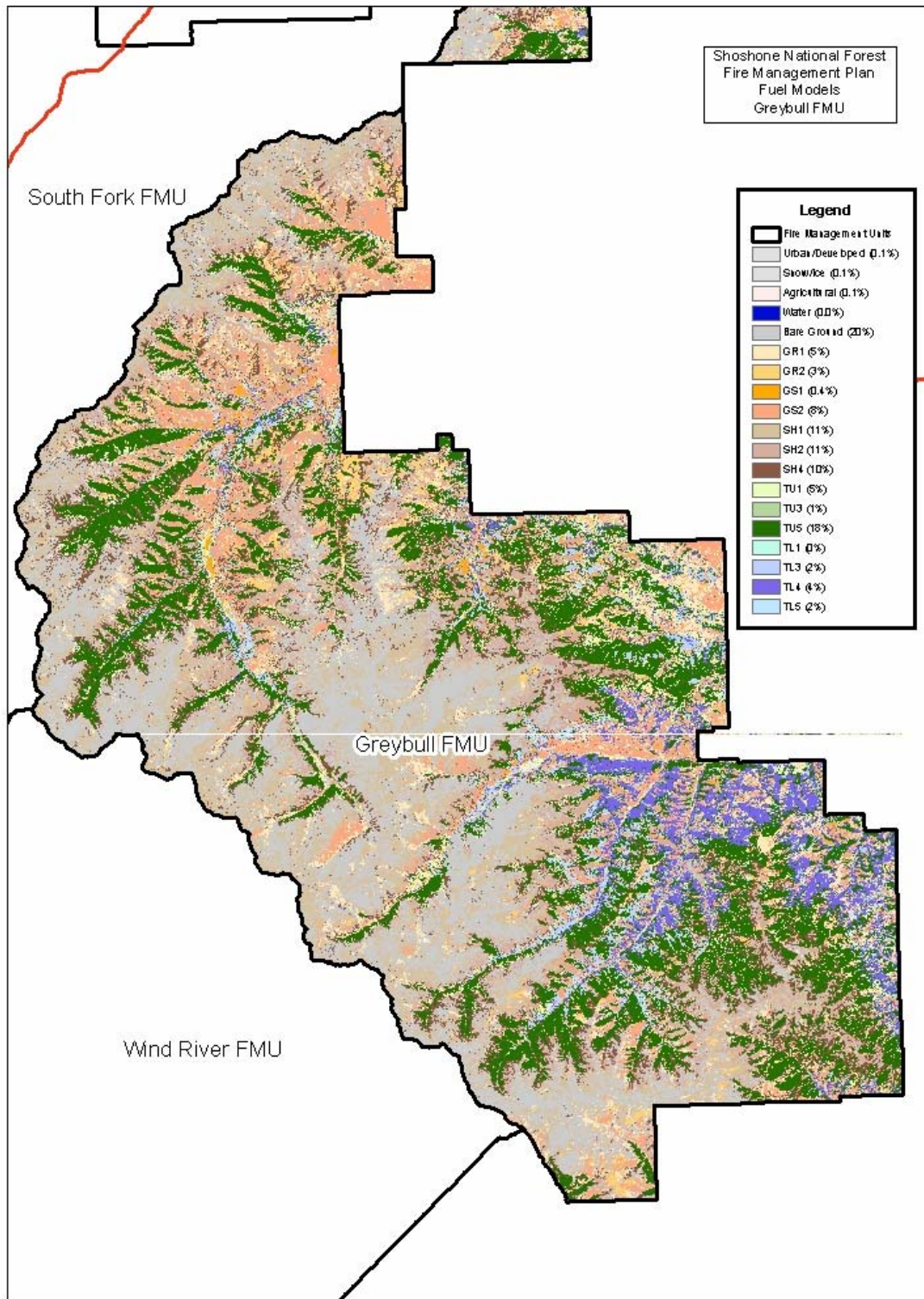
To be developed

### Map 4.8 - Greybull FMU Historical Fire Occurrence





### Map 4.9 - Greybull FMU Fuel Type



### Map 4.10 - Greybull FMU Fire Regimes and Condition Classes

