



0128 TWO BULLS FIRE Incident Decision

Published
06/08/14 00:36

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1. Decision

1.1. Decision Summary

Decision Information

NAME	VALUE
Published	06/08/2014 00:36 CDT
Estimated Cost	\$6,000,000
Incident Owner(s)	Amanda Stamper
Editor(s)	Kevin Larkin
Reviewer(s)	
Approver(s)	Kevin Larkin
Natl Preparedness Level	1

Decision History

Editor Name	Action	Date (CDT)	Comment
Larkin, Kevin	Published	06/08/2014 00:36	
Larkin, Kevin	Approved	06/08/2014 00:36	
Stamper, Amanda	Review Requested	06/08/2014 00:32	
Stamper, Amanda	Review Requested	06/08/2014 00:32	
Stamper, Amanda	Created	06/07/2014 21:24	

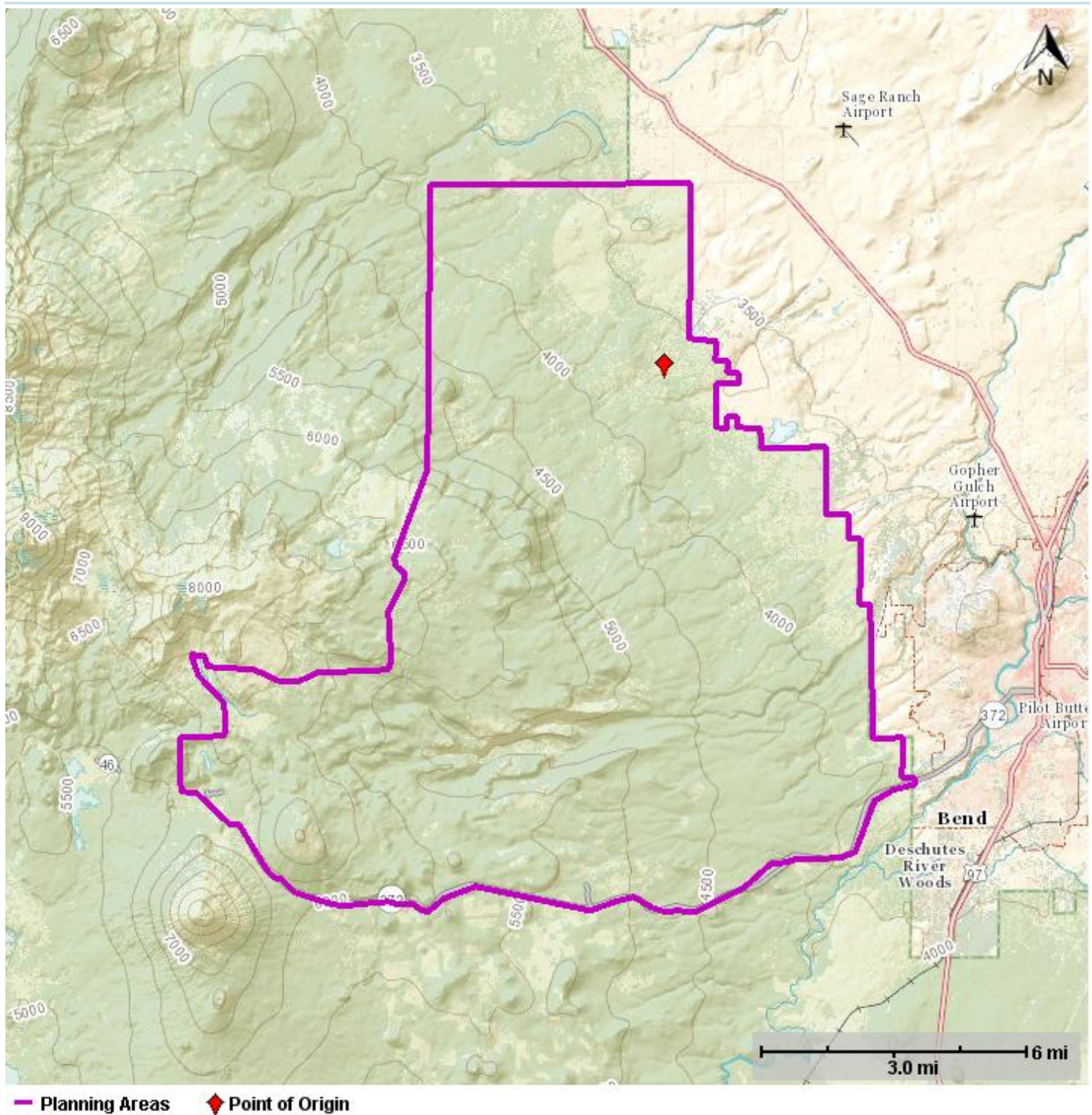
1.2. Assessment

1.2.1. Incident Information

Incident Information

NAME	VALUE
Incident Name	0128 TWO BULLS FIRE
Unique Fire Identifier	2014-OR955S-000128
Responsible Unit Name	Sisters Unit
FireCode	
P-Code	P6H5NV
Point of Origin	44.154 N / 121.4775 W
Incident Size	0.1 acres
Latest Perimeter Size	0 acres
Incident Cause	Undetermined
Incident Type	Wildfire
Incident Discovery	06/07/2014 12:48
Contained	
Controlled	
Out	
Jurisdictional Unit	ORDEF - Deschutes National Forest
Jurisdictional Agency(s)	USFS
Geographic Area	Northwest
Owner Name(s)	Amanda Stamper

Incident Map



1.2.2. Weather

Fire Weather Zone Forecast

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FNUS56 KPDT 072137
FWFPDT

FIRE WEATHER PLANNING FORECAST FOR NE OREGON AND SE WASHINGTON
NATIONAL WEATHER SERVICE PENDLETON OR
237 PM PDT SAT JUN 7 2014

...LOCALLY BREEZY THROUGH SUNDAY...WINDY WITH LOW RELATIVE
HUMIDITY MONDAY AND TUESDAY...DAILY WEATHER BRIEFINGS TO BEGIN
MONDAY JUNE 9TH...

.DISCUSSION...MILD AND DRY CONDITIONS WILL CONTINUE. SEVERAL
MARINE PUSHES CAN BE EXPECTED OVER THE NEXT WEEK THAT WILL
INCREASE WINDS. THIS EVENING...WINDS WILL BE BREEZY ALONG THE
EAST SLOPES OF THE CASCADES AND IN THE WESTERN COLUMBIA BASIN...IN
THE COLUMBIA GORGE...AND ACROSS CENTRAL AND NORTH CENTRAL OREGON.
SIMILAR WINDS CAN BE EXPECTED SUNDAY. STRONGER PUSHES ON MONDAY
AND TUESDAY WILL INCREASE WINDS ACROSS A MUCH LARGER PORTION OF
THE AREA AND CRITICAL FIRE WEATHER CONDITIONS MAY BE EXPERIENCED.

WINDS ARE 20 FOOT 10 MINUTE AVERAGES
CWR-CHANCE OF WETTING RAIN 0.10 OR GREATER

HIGH ELEVATION HAINES INDEX OBSERVED SATURDAY MORNING JUNE 7
SALEM...2 MEDFORD...3 SPOKANE...2 BOISE...2

ORZ610-081130-
EAST SLOPES OF CENTRAL OREGON CASCADES-
237 PM PDT SAT JUN 7 2014

.TONIGHT...
* SKY/WEATHER.....MOSTLY CLEAR.
* MIN TEMPERATURE.....42-50...EXCEPT 37-45 RIDGES.
* MAX HUMIDITY.....68-83 PERCENT.
* HUMIDITY RECOVERY.....GOOD...EXCEPT EXCELLENT RIDGES.
* 20-FOOT WINDS.....
* VALLEYS/LWR SLOPES...NORTHWEST WINDS 7 TO 12 MPH SHIFTING TO THE
WEST 2 TO 6 MPH AFTER MIDNIGHT.
* RIDGES/UPR SLOPES...NORTHWEST WINDS 8 TO 13 MPH BECOMING WEST 2
TO 7 MPH AFTER MIDNIGHT.
* CWR.....0 PERCENT.
* LAL.....1.
* HAINES INDEX.....3 (VERY LOW).
* MIXING HEIGHT.....400 FT AGL.
* TRANSPORT WINDS.....NORTHWEST 5 TO 10 MPH.

.SUNDAY...
* SKY/WEATHER.....MOSTLY SUNNY.
* MAX TEMPERATURE.....76-85...EXCEPT 65-75 RIDGES.
* MIN HUMIDITY.....21-27 PERCENT...EXCEPT 27-38 PERCENT
RIDGES.
* 20-FOOT WINDS.....
* VALLEYS/LWR SLOPES...UPSLOPE LESS THAN 5 MPH BECOMING NORTH 3 TO
7 MPH IN THE AFTERNOON.
* RIDGES/UPR SLOPES...LIGHT LESS THAN 5 MPH BECOMING NORTH 3 TO 8
MPH IN THE AFTERNOON.
* CWR.....0 PERCENT.
* LAL.....1.
* HAINES INDEX.....4 (LOW).
* MIXING HEIGHT.....7700 FT AGL.
* TRANSPORT WINDS.....WEST AROUND 5 MPH.

.SUNDAY NIGHT...
* SKY/WEATHER.....MOSTLY CLEAR.
* MIN TEMPERATURE.....43-50...EXCEPT 38-45 RIDGES.
* MAX HUMIDITY.....68-83 PERCENT.
* HUMIDITY RECOVERY.....GOOD.
* 20-FOOT WINDS.....
* VALLEYS/LWR SLOPES...NORTHWEST WINDS 5 TO 11 MPH.
* RIDGES/UPR SLOPES...WEST WINDS 5 TO 11 MPH.
* CWR.....0 PERCENT.
* LAL.....1.
* HAINES INDEX.....3 (VERY LOW).
* MIXING HEIGHT.....700 FT AGL.
* TRANSPORT WINDS.....WEST 5 TO 10 MPH.

.MONDAY...
* SKY/WEATHER.....MOSTLY SUNNY.
* MAX TEMPERATURE.....73-82...EXCEPT 63-72 RIDGES.
* MIN HUMIDITY.....20-25 PERCENT...EXCEPT 26-37 PERCENT
RIDGES.

Fire Weather Zone Forecast

* 20-FOOT WINDS.....
* VALLEYS/LWR SLOPES...NORTHWEST WINDS 5 TO 11 MPH.
* RIDGES/UPR SLOPES...NORTHWEST WINDS 5 TO 11 MPH.
* CWR.....0 PERCENT.
* LAL.....1.
* HAINES INDEX.....3 (VERY LOW).
* MIXING HEIGHT.....7100 FT AGL.
* TRANSPORT WINDS.....NORTHWEST 5 TO 10 MPH.

.FORECAST DAYS 3 THROUGH 7.....
.TUESDAY...MOSTLY CLEAR. LOWS 38 TO 45. HIGHS 63 TO 75. WEST WINDS 6 TO 12 MPH.
.WEDNESDAY...MOSTLY CLEAR. LOWS 37 TO 43. HIGHS 70 TO 81. NORTH WINDS 4 TO 9 MPH.
.THURSDAY...PARTLY CLOUDY WITH A SLIGHT CHANCE OF SHOWERS. LOWS 39 TO 48. HIGHS 65 TO 78. WEST WINDS 3 TO 7 MPH.
.FRIDAY...PARTLY CLOUDY WITH A SLIGHT CHANCE OF SHOWERS. LOWS 37 TO 46. HIGHS 60 TO 72. WEST WINDS 5 TO 11 MPH.
.SATURDAY...PARTLY CLOUDY WITH A SLIGHT CHANCE OF SHOWERS. LOWS 37 TO 43. HIGHS 64 TO 75. WEST WINDS 4 TO 9 MPH.

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ORZ611-081130-
DESCHUTES NATIONAL FOREST - MINUS SISTERS RANGER DISTRICT-
237 PM PDT SAT JUN 7 2014

.TONIGHT...
* SKY/WEATHER.....MOSTLY CLEAR.
* MIN TEMPERATURE.....35-41.
* MAX HUMIDITY.....79-94 PERCENT.
* HUMIDITY RECOVERY.....EXCELLENT.
* 20-FOOT WINDS.....
* VALLEYS/LWR SLOPES...NORTH WINDS 8 TO 14 MPH BECOMING WEST 1 TO 5 MPH AFTER MIDNIGHT.
* RIDGES/UPR SLOPES...NORTHWEST WINDS 9 TO 14 MPH IN THE EVENING BECOMING LIGHT WINDS LESS THAN 5 MPH.
* CWR.....0 PERCENT.
* LAL.....1.
* HAINES INDEX.....3 (VERY LOW).
* MIXING HEIGHT.....500 FT AGL.
* TRANSPORT WINDS.....NORTH 5 TO 15 MPH.

.SUNDAY...
* SKY/WEATHER.....SUNNY.
* MAX TEMPERATURE.....74-80...EXCEPT 68-74 RIDGES.
* MIN HUMIDITY.....16-24 PERCENT.
* 20-FOOT WINDS.....
* VALLEYS/LWR SLOPES...UPSLOPE LESS THAN 5 MPH BECOMING NORTHEAST 2 TO 7 MPH IN THE AFTERNOON.
* RIDGES/UPR SLOPES...LIGHT LESS THAN 5 MPH BECOMING NORTH 3 TO 7 MPH IN THE AFTERNOON.
* CWR.....0 PERCENT.
* LAL.....1.
* HAINES INDEX.....4 (LOW).
* MIXING HEIGHT.....8300 FT AGL.
* TRANSPORT WINDS.....NORTHEAST UP TO 5 MPH.

.SUNDAY NIGHT...
* SKY/WEATHER.....MOSTLY CLEAR.
* MIN TEMPERATURE.....39-44.
* MAX HUMIDITY.....70-85 PERCENT.
* HUMIDITY RECOVERY.....GOOD.
* 20-FOOT WINDS.....
* VALLEYS/LWR SLOPES...NORTHWEST WINDS 4 TO 10 MPH.
* RIDGES/UPR SLOPES...NORTH WINDS 7 TO 12 MPH SHIFTING TO THE WEST 2 TO 6 MPH AFTER MIDNIGHT.
* CWR.....0 PERCENT.
* LAL.....1.
* HAINES INDEX.....3 (VERY LOW).
* MIXING HEIGHT.....500 FT AGL.
* TRANSPORT WINDS.....NORTH 5 TO 10 MPH.

.MONDAY...
* SKY/WEATHER.....MOSTLY SUNNY.
* MAX TEMPERATURE.....74-79...EXCEPT 66-74 RIDGES.
* MIN HUMIDITY.....20-27 PERCENT.
* 20-FOOT WINDS.....
* VALLEYS/LWR SLOPES...UPSLOPE LESS THAN 5 MPH BECOMING NORTHWEST 5 TO 10 MPH IN THE AFTERNOON.
* RIDGES/UPR SLOPES...LIGHT LESS THAN 5 MPH BECOMING NORTHWEST 5 TO 10 MPH IN THE AFTERNOON.
* CWR.....0 PERCENT.
* LAL.....1.
* HAINES INDEX.....3 (VERY LOW).

Fire Weather Zone Forecast

* MIXING HEIGHT.....7600 FT AGL.
* TRANSPORT WINDS.....NORTHWEST 5 TO 10 MPH.

.FORECAST DAYS 3 THROUGH 7.....
.TUESDAY...MOSTLY CLEAR. LOWS 36 TO 41. HIGHS 65 TO 73. NORTHWEST WINDS 5 TO 11 MPH.
.WEDNESDAY...MOSTLY CLEAR. LOWS 34 TO 39. HIGHS 71 TO 78. NORTHEAST WINDS 4 TO 9 MPH.
.THURSDAY...MOSTLY CLEAR. LOWS 35 TO 40. HIGHS 63 TO 74. WEST WINDS 3 TO 8 MPH.
.FRIDAY...PARTLY CLOUDY WITH A SLIGHT CHANCE OF SHOWERS. LOWS 33 TO 38. HIGHS 59 TO 68. WEST WINDS 4 TO 10 MPH.
.SATURDAY...PARTLY CLOUDY WITH A SLIGHT CHANCE OF SHOWERS. LOWS 33 TO 38. HIGHS 65 TO 74. NORTHWEST WINDS 4 TO 9 MPH.

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ORZ640-081130-
CENTRAL MOUNTAINS OF OREGON-
237 PM PDT SAT JUN 7 2014

.TONIGHT...
* SKY/WEATHER.....MOSTLY CLEAR.
* MIN TEMPERATURE.....40-47.
* MAX HUMIDITY.....65-80 PERCENT.
* HUMIDITY RECOVERY.....GOOD.
* 20-FOOT WINDS.....
* VALLEYS/LWR SLOPES...NORTHWEST WINDS 8 TO 14 MPH WITH GUSTS UP TO 30 MPH BECOMING WEST 1 TO 5 MPH AFTER MIDNIGHT.
* RIDGES/UPR SLOPES...NORTHWEST WINDS 10 TO 15 MPH DECREASING TO 2 TO 5 MPH AFTER MIDNIGHT.
* CWR.....0 PERCENT.
* LAL.....1.
* HAINES INDEX.....3 (VERY LOW).
* MIXING HEIGHT.....400 FT AGL.
* TRANSPORT WINDS.....NORTHWEST 5 TO 15 MPH.

.SUNDAY...
* SKY/WEATHER.....MOSTLY SUNNY.
* MAX TEMPERATURE.....77-83...EXCEPT 69-77 RIDGES.
* MIN HUMIDITY.....15-23 PERCENT.
* 20-FOOT WINDS.....
* VALLEYS/LWR SLOPES...UPSLOPE LESS THAN 5 MPH BECOMING NORTH 2 TO 7 MPH IN THE AFTERNOON.
* RIDGES/UPR SLOPES...LIGHT LESS THAN 5 MPH BECOMING NORTH 2 TO 7 MPH IN THE AFTERNOON.
* CWR.....0 PERCENT.
* LAL.....1.
* HAINES INDEX.....4 (LOW).
* MIXING HEIGHT.....8300 FT AGL.
* TRANSPORT WINDS.....SOUTH UP TO 5 MPH SHIFTING TO THE WEST IN THE AFTERNOON.

.SUNDAY NIGHT...
* SKY/WEATHER.....MOSTLY CLEAR.
* MIN TEMPERATURE.....43-49.
* MAX HUMIDITY.....62-76 PERCENT.
* HUMIDITY RECOVERY.....GOOD...EXCEPT MODERATE RIDGES.
* 20-FOOT WINDS.....
* VALLEYS/LWR SLOPES...NORTHWEST WINDS 4 TO 9 MPH.
* RIDGES/UPR SLOPES...NORTH WINDS 6 TO 12 MPH SHIFTING TO THE NORTHWEST 4 TO 9 MPH AFTER MIDNIGHT.
* CWR.....0 PERCENT.
* LAL.....1.
* HAINES INDEX.....3 (VERY LOW).
* MIXING HEIGHT.....600 FT AGL.
* TRANSPORT WINDS.....NORTHWEST 5 TO 10 MPH.

.MONDAY...
* SKY/WEATHER.....MOSTLY SUNNY.
* MAX TEMPERATURE.....76-82...EXCEPT 68-77 RIDGES.
* MIN HUMIDITY.....17-23 PERCENT.
* 20-FOOT WINDS.....
* VALLEYS/LWR SLOPES...UPSLOPE LESS THAN 5 MPH BECOMING NORTHWEST 7 TO 12 MPH IN THE AFTERNOON.
* RIDGES/UPR SLOPES...LIGHT LESS THAN 5 MPH BECOMING NORTHWEST 7 TO 12 MPH IN THE AFTERNOON.
* CWR.....0 PERCENT.
* LAL.....1.
* HAINES INDEX.....3 (VERY LOW).
* MIXING HEIGHT.....8200 FT AGL.
* TRANSPORT WINDS.....NORTHWEST 5 TO 10 MPH.

.FORECAST DAYS 3 THROUGH 7.....

Fire Weather Zone Forecast

.TUESDAY...MOSTLY CLEAR. LOWS 39 TO 45. HIGHS 68 TO 75. WEST WINDS 6 TO 12 MPH.
.WEDNESDAY...MOSTLY CLEAR. LOWS 36 TO 43. HIGHS 73 TO 80. NORTHEAST WINDS 4 TO 10 MPH.
.THURSDAY...PARTLY CLOUDY. LOWS 39 TO 47. HIGHS 72 TO 79. WEST WINDS 2 TO 7 MPH.
.FRIDAY...PARTLY CLOUDY WITH A SLIGHT CHANCE OF SHOWERS. LOWS 37 TO 44. HIGHS 64 TO 71. WEST WINDS 7 TO 13 MPH.
.SATURDAY...PARTLY CLOUDY. LOWS 35 TO 42. HIGHS 68 TO 75. WEST WINDS 5 TO 11 MPH.

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.8-14 DAY OUTLOOK FOR SUNDAY JUNE 15 THROUGH SATURDAY JUNE 21...

A GREATER CHANCE OF NEAR NORMAL TEMPERATURES AND PRECIPITATION ARE EXPECTED.

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1.2.3. Values

NAME	VALUE
Planning Area Name	06/08/2014 00:36
Incident Name	0128 TWO BULLS FIRE
Planning Area Size	104,287 acres

Values Inventory

Category	Value	Data Source	Currency	Coverage
BLM Range Allotments	32 acres	BLM State offices (compiled by BLM NOC)	06/26/2012	Western United States
Building Clusters: Deschutes, OR	171	US Counties / FGDC Cadastral Subcomm.		Available counties
Class 1 Airsheds	172 acres	NPS Air Resources Division	Various	National
Communication Towers	33	FCC	06/14/2012	National
County: Deschutes, OR	104,287 acres	HSIP 2011, US Census Bureau TIGER data	07/01/2010	National
Electric Sub Stations	1	HSIP Gold 2013	2013	National
Est Ground Evac Time: 1-2 Hrs	16,172 acres	National Park Service NIFC	11/01/2012	CONUS
Est Ground Evac Time: 2-4 Hrs	6,244 acres	National Park Service NIFC	11/01/2012	CONUS
Est Ground Evac Time: 4-6 Hrs	2 acres	National Park Service NIFC	11/01/2012	CONUS
Habitat: Northern spotted owl	3,934 acres	FWS Geospatial Services	12/13/2013	National
IRA: BEARWALLOWS IRA	5,611 acres	Various		National
IRA: BEND WATERSHED IRA	14,763 acres	Various		National
IRA: THREE SISTERS IRA	684 acres	Various		National
Jurisdictional Agency: BLM	48 acres	Various	09/05/2013	National
Jurisdictional Agency: USFS	61,953 acres	Various	09/05/2013	National
Natl Recreation Trails	14.2 miles	Various	varies by data source	National
Natl Scenic Byways	15.3 miles	Various	varies by data source	National
ORDEF - Management Direction / Range of the NSO	51,065 acres	ORDEF		Unit
ORDEF - Management Direction / Tier 2 Key Watershed	14,432 acres	ORDEF		Unit
ORDEF - Operations / BFR High FF Hazard	22,473 acres	ORDEF		Unit
ORDEF - Operations / Bend Invasive Plants	189 acres	ORDEF		Unit
ORDEF - Operations / SRD High FF Hazard	5,576 acres	ORDEF		Unit
ORDEF - Operations / SRD Invasive Plants	27 acres	ORDEF		Unit
ORDEF - Operations / StrategicFuelBreaks	96.2 miles	ORDEF		Unit
ORDEF - Values / NRF BFR	2,771 acres	ORDEF		Unit
ORDEF - Values / Signed NEPA	39,799 acres	ORDEF		Unit
Roads	13.8 miles	NAVTEQ	11/2012	National
Wilderness: Three Sisters Wilderness	79 acres	Various	04/15/2014	National

Coverage of Values Queried that Produced No Results

BLM Buildings (BLM Lands), BLM Horse and Burro (OR, ID, MT, CA, NV, UT, WY, CO, AZ, NM), BLM Oil / Gas Leases (Western United States), Campgrounds (National (BLM and USFS only)), Electric Power Plants (National), Electric Transmission Lines (National), Mines (National), NPS Buildings (National), NRA (National), Natl Historic Trails (National), Natl Scenic Trails (National), Oil and Gas Pipelines (National), Other Areas (National), Ozone Non-Attainment (National), Particulates Non-Attainment (National), Responsible Agency (AK, CA, ID, MT, NM, MN), Sage Grouse Habitat (Western United States), TNC Lands (National), USFS Buildings (National), USFWS Trails (National), WSA (National)

1.3. Objectives

Incident FMU/Strategic Objective Code List

Unit	FMU/Strat Obj Code	Acres
ORDEF	M10 - 23_24_25_26 - Bend Municipal Watershed	4,138
ORDEF	M11 - 41 - Intensive Recreation	401
ORDEF	M12 - 21 - Dispersed Recreation	8,164
ORDEF	M13 - 13 - Winter Recreation	7,546
ORDEF	M15 - 15_16_17_18 - Old Growth	948
ORDEF	M18 - 27_28_29_30_31_32_33 - Front Country	12,545
ORDEF	M6 - 74_75 - Wilderness	80
ORDEF	M7 - 24_25 - Deer Habitat	17,464
ORDEF	M8 - 22_23_24 - General Forest	7,430
ORDEF	M9 - 92_93_94 - Scenic Views	5,248
ORPRD	10	38
ORPRD	7	10

Spatial Fire Planning Inventory

Category	Value	Data Source	Currency	Coverage
Aqua Retardant Avoidance	2,615 acres	USFS Enterprise Data Warehouse	4/17/2014	National (USFS Units only)
Retardant Avoidance	88 acres	USFS Enterprise Data Warehouse	4/17/2014	National (USFS Units only)

Incident Objective List

Activated	Incident Objective
06/08/2014	<ol style="list-style-type: none"> 1. Provide for firefighter and public safety. The southern side of the planning area has been pre-identified as a high risk area to fire fighters due to hazard trees and inaccessibility. 2. Minimize fire spread to protect private lands. Subdivisions are in evacuation and pre-evacuation, and the cities of Bend and Tumalo are in close proximity. 3. Minimize spread of fire to protect Bend Municipal Watershed and critical infrastructure, such as communication facilities, electrical sub-stations, and water intake for City of Bend. 4. Keep cooperating agencies and the public informed throughout the incident in a timely manner. 5. Minimize impacts to developed recreation sites, trails, and improvements. This is a high use recreation area for residents of the City of Bend. 6. Minimize adverse impact to natural and cultural resources. 7. Minimize economic impacts to communities and major travel routes in Central Oregon.

Incident Requirement List

Activated	Incident Requirement
06/08/2014	<ul style="list-style-type: none"> • Closely coordinate with the City of Bend regarding use of retardant, heavy equipment use over water pipes and fire suppression tactics near city infrastructure. • Coordinate with Regional Forester on fire suppression activities involving timber cutting or removal or any road construction in Inventoried Roadless Areas. • Where it doesn't interfere with the protection of life and property, protect cultural resources, sensitive plants, old growth, native redband trout, and sensitive botanical species– known sites within planning area. Resource advisor will be provided locations.

Strategic Objective List

Unit	Shape/FMU	Activated	Strategic Objective
ORDEF	M10 - 23_24_25_26	06/16/2009	<p>10 Bend Municipal Watershed 3,700 acres</p> <p>4 - 133 M10 - 23 Protection of the municipal watershed will be a high priority. Fires within, or which threaten, the watershed will be aggressively</p>

Unit	Shape/FMU	Activated	Strategic Objective
			<p>controlled and mopped up. Appropriate suppression action must do less watershed damage than the potential wildfire.</p> <p>M10 - 24 On small or low intensity fires, utilize existing fire barriers and appropriately constructed and rehabilitated hand firelines.</p> <p>M10 - 25 On high intensity fires following an escaped fire situation analysis, heavy equipment to construct firelines and reduce potential acres burned may be used if it results in less total impact on the watershed. A resource advisor should be appointed in all such situations to approve the location and standard of equipment work.</p> <p>M10 - 26 Only approved retardants will be used in the watershed. The City Water Department will be notified immediately of any planned use of retardant in the watershed.</p> <p>M10 - 27 Recommended burn acre objectives will be developed as a part of the Fire Management Action Plan.</p>
ORDEF	M11 - 41	06/16/2009	<p>11 Intensive Recreation 67,100 acres</p> <p>4 - 139 M11 - 41 All wildfires should be aggressively controlled by using low impact methods as much as practicable. Firelines constructed by hand will be favored over firelines constructed by heavy equipment except where high intensity fire situations may exist.</p>
ORDEF	M12 - 21	06/16/2009	<p>12 Dispersed Recreation 48,400 acres</p> <p>4 - 142 M12 - 21 Normally, low impact suppression methods and natural barriers will be used. Heavy equipment should be avoided unless an 'Escaped Fire Situation Analysis' indicates that the resource damage from equipment would be more than offset by reducing fire damage.</p>
ORDEF	M13 - 13	06/16/2009	<p>13 Winter Recreation 32,200 acres</p> <p>4 - 144 M13 - 13 Suppression practices will be designed to prevent losses of large acreages to wildfire. Snags that do not present a hazard to life or a threat to successful suppression activities should not be felled.</p>
ORDEF	M15 - 15_16_17_18	06/16/2009	<p>15 Old Growth 32,800 acres</p> <p>4 - 150 M15 - 15 In mountain hemlock, mixed conifer, and lodgepole pine forest types, aggressive suppression which uses a minimum of heavy equipment wherever possible will be emphasized.</p> <p>M15 - 16 In Ponderosa pine forest, when existing and predicted burning conditions favor low intensity fires, containment suppression tactics are appropriate. This may include burning out from existing barriers and scratch lines.</p> <p>4 - 151 M15 - 17 High intensity fires will be suppressed.</p> <p>M15 - 18 The low intensity burn acre objective for each old growth area will be the same as the adjacent management area with the lowest burn acre objective.</p>
ORDEF	M18 - 27_28_29_30_31_32_33	06/16/2009	<p>18 Front Country 34,700 acres</p>

Unit	Shape/FMU	Activated	Strategic Objective
			<p>4 - 162 M18 - 27 Low intensity prescribed fires will be used to meet and promote the visual objective. This and other fuel management techniques will be used to minimize the hazard of a large high-intensity fire. If at any time during the course of the prescribed burn it appears that the objectives for the burn are not being met, all burning will cease.</p> <p>M18 - 28 Wildfires can be suppressed using standard techniques. Control strategies will be developed to minimize impacts from suppression activities on the landscape. Visual contrasts will not be created through suppression techniques unless absolutely necessary.</p> <p>M18 - 29 Recommended burn acre objectives will be developed as a part of the Fire Management Action Plan.</p> <p>M18 - 30 A landscape architect shall be consulted for recommended restoration measures following wildfire suppression activities in this Management Area.</p> <p>M18 - 31 Suppression practices will be designed to protect the investment in managed tree stands and to prevent losses of large acreages to wildfire.</p> <p>M18 - 32 Snags that do not present a hazard to life or a threat to successful suppression action should not be felled.</p> <p>M18 - 33 In Ponderosa pine stands (except for reproduction stands) emphasis should be placed on burning out from existing roads and natural barriers rather than constructing new firelines.</p>
ORDEF	M6 - 74_75	06/16/2009	<p>6 Wilderness</p> <p>181,300 acres</p> <p>4 - 103 Wilderness standards/guidelines contained in this section are general and apply to all Wilderness on the Forest. More specific direction is contained in individual Wilderness management plans in Appendix 4.</p> <p>4 - 110 M6 - 74 Fire, or its absence, has been a major influence on natural life systems. Natural fire has been a part of the ecology of the Wilderness since creation, and man's efforts to ban this agent may have resulted in significant ecological changes in the flora and fauna of some areas. To assure that fire plays a more natural role in the ecology of the area, all fires accidentally started by human activity will be declared a wildfire and suppressed. However, lightning caused fires that meet pre-planned prescription parameters, outlined in the Fire Management Action Plan, may be managed as a prescribed fire.</p> <p>M6 - 75 Fire management activities within Wilderness will be compatible with overall Wilderness management objectives. Preference will be given to methods and equipment that cause the least:</p> <ul style="list-style-type: none"> Alteration of the Wilderness landscape. Disturbance of the land surface. Disturbance to visitor solitude. Reduction of visibility during periods of visitor use. Adverse effects on other air quality related values. Disturbance to spotted owl nest sites.
ORDEF	M7 - 24_25	06/16/2009	<p>7 Deer Habitat</p> <p>208,900 acres</p> <p>4 - 115 M7 - 24 High and low intensity burns can help maintain diversity. Fires within 300 feet of guzzlers shall be extinguished and the improvements protected. Snags that do not present a hazard to life or a threat to successful suppression action should not be felled.</p> <p>M7 - 25 Annual low and intensity burn acre objectives will be developed as a part of the Fire Management Action Plan.</p>
ORDEF	M8 - 22_23_24	06/16/2009	<p>8 General Forest</p> <p>628,300 acres</p>

Strategic Objective List

Unit	Shape/FMU	Activated	Strategic Objective
			<p>4 - 119 M8 - 22 Suppression practices will be designed to protect the investment in managed tree stands and to prevent losses of large acreages to wildfire</p> <p>M8 - 23 Snags that do not present a hazard to life or a threat to successful suppression action should not be felled.</p> <p>M8 - 24 In Ponderosa pine stands (except for reproduction stands) emphasis should be placed on burning out from existing roads and natural barriers rather than constructing new firelines.</p>
ORDEF	M9 - 92_93_94	06/16/2009	<p>9 Scenic Views 171,700 acres</p> <p>4 - 131 M9 - 92 The primary objective in foreground areas is to suppress any wildfires that could potentially become high intensity fires as quickly as possible. Standard suppression techniques may be applied in foreground areas. The method used to suppress wildfires should have the least impact on vegetation and soils possible. Restoration efforts will be made where fire suppression activities do not meet the desired visual condition.</p> <p>M9 - 93 In middle-ground and background areas, wildfires can be suppressed using standard techniques. Control strategies will be developed to minimize impacts from suppression activities on the landscape. Visual contrasts will not be created through suppression techniques unless absolutely necessary.</p> <p>M9 - 94 Recommended burn acre objectives will be developed as a part of the Fire Management Action Plan.</p>

Management Requirement List

Unit	Shape/FMU	Activated	Management Requirement
	Aqua Retardant Avoidance	06/18/2013	<p>The aerial application of fire retardant is allowed for fighting fires. Aerially delivered fire retardant should not be applied to any mapped aquatic avoidance area, waterway or buffer. The only exception to using aerially applied fire retardant in avoidance areas is for the protection of human life or public safety. The Incident Commander is the decision maker.</p> <p>Information concerning the Record of Decision for the Aerial Application of Fire Retardant is available at http://www.fs.fed.us/fire/retardant/index.html</p>
	Retardant Avoidance	05/31/2012	<p>The aerial application of fire retardant is allowed for fighting fires. Aerially delivered fire retardant should not be applied to any mapped terrestrial avoidance area, waterway or buffer. The only exception to using aerially applied fire retardant in avoidance areas is for the protection of human life or public safety. The Incident Commander is the decision maker.</p> <p>Information concerning the Record of Decision for the Aerial Application of Fire Retardant is available at http://www.fs.fed.us/fire/retardant/index.html</p>
ORDEF	<Unit>	06/04/2013	<p>Incident Management Teams will receive a hard drive with the fire retardant avoidance area maps and accompanying data along with this decision and the delegation of authority. The incident will track the date, number of drops, specific location of all aerial applied fire retardant, and whether or not it falls within an avoidance area. Note that some intermittent streams, although not mapped, when wet are also considered avoidance areas. The incident will return this information to the Forest prior to demobilization.</p>
ORDEF	<Unit>	06/04/2013	<p>Misapplications of fire retardant, both aerial and ground-based, must be tracked and promptly reported to the incident Resource Advisor and Forest.</p>
ORDEF	M10 - 23_24_25_26	06/22/2009	<p>10 Bend Municipal Watershed 3,700 acres</p>

Unit	Shape/FMU	Activated	Management Requirement
			<p>4 - 133 M10 - 23 Protection of the municipal watershed will be a high priority. Fires within, or which threaten, the watershed will be aggressively controlled and mopped up. Appropriate suppression action must do less watershed damage than the potential wildfire.</p> <p>M10 - 24 On small or low intensity fires, utilize existing fire barriers and appropriately constructed and rehabilitated hand firelines.</p> <p>M10 - 25 On high intensity fires following an escaped fire situation analysis, heavy equipment to construct firelines and reduce potential acres burned may be used if it results in less total impact on the watershed. A resource advisor should be appointed in all such situations to approve the location and standard of equipment work.</p> <p>M10 - 26 Only approved retardants will be used in the watershed. The City Water Department will be notified immediately of any planned use of retardant in the watershed.</p> <p>M10 - 27 Recommended burn acre objectives will be developed as a part of the Fire Management Action Plan.</p>
ORDEF	M11 - 41	06/22/2009	<p>11 Intensive Recreation 67,100 acres</p> <p>4 - 139 M11 - 41 All wildfires should be aggressively controlled by using low impact methods as much as practicable. Firelines constructed by hand will be favored over firelines constructed by heavy equipment except where high intensity fire situations may exist.</p>
ORDEF	M12 - 21	06/22/2009	<p>12 Dispersed Recreation 48,400 acres</p> <p>4 - 142 M12 - 21 Normally, low impact suppression methods and natural barriers will be used. Heavy equipment should be avoided unless an 'Escaped Fire Situation Analysis' indicates that the resource damage from equipment would be more than offset by reducing fire damage.</p>
ORDEF	M13 - 13	06/22/2009	<p>13 Winter Recreation 32,200 acres</p> <p>4 - 144 M13 - 13 Suppression practices will be designed to prevent losses of large acreages to wildfire. Snags that do not present a hazard to life or a threat to successful suppression activities should not be felled.</p>
ORDEF	M15 - 15_16_17_18	06/22/2009	<p>15 Old Growth 32,800 acres</p> <p>4 - 150 M15 - 15 In mountain hemlock, mixed conifer, and lodgepole pine forest types, aggressive suppression which uses a minimum of heavy equipment wherever possible will be emphasized.</p> <p>M15 - 16 In Ponderosa pine forest, when existing and predicted burning conditions favor low intensity fires, containment suppression</p>

Unit	Shape/FMU	Activated	Management Requirement
ORDEF	M18 - 27_28_29_30_31_32_33	06/22/2009	<p>tactics are appropriate. This may include burning out from existing barriers and scratch lines.</p> <p>4 - 151 M15 - 17 High intensity fires will be suppressed.</p> <p>M15 - 18 The low intensity burn acre objective for each old growth area will be the same as the adjacent management area with the lowest burn acre objective.</p> <p>18 Front Country 34,700 acres</p> <p>4 - 162 M18 - 27 Low intensity prescribed fires will be used to meet and promote the visual objective. This and other fuel management techniques will be used to minimize the hazard of a large high-intensity fire. If at any time during the course of the prescribed burn it appears that the objectives for the burn are not being met, all burning will cease.</p> <p>M18 - 28 Wildfires can be suppressed using standard techniques. Control strategies will be developed to minimize impacts from suppression activities on the landscape. Visual contrasts will not be created through suppression techniques unless absolutely necessary.</p> <p>M18 - 29 Recommended burn acre objectives will be developed as a part of the Fire Management Action Plan.</p> <p>M18 - 30 A landscape architect shall be consulted for recommended restoration measures following wildfire suppression activities in this Management Area.</p> <p>M18 - 31 Suppression practices will be designed to protect the investment in managed tree stands and to prevent losses of large acreages to wildfire.</p> <p>M18 - 32 Snags that do not present a hazard to life or a threat to successful suppression action should not be felled.</p> <p>M18 - 33 In Ponderosa pine stands (except for reproduction stands) emphasis should be placed on burning out from existing roads and natural barriers rather than constructing new firelines.</p>
ORDEF	M6 - 74_75	06/22/2009	<p>6 Wilderness 181,300 acres</p> <p>4 - 103 Wilderness standards/guidelines contained in this section are general and apply to all Wilderness on the Forest. More specific direction is contained in individual Wilderness management plans in Appendix 4.</p> <p>4 - 110 M6 - 74 Fire, or its absence, has been a major influence on natural life systems. Natural fire has been a part of the ecology of the Wilderness since creation, and man's efforts to ban this agent may have resulted in significant ecological changes in the flora and fauna of some areas. To assure that fire plays a more natural role in the ecology of the area, all fires accidentally started by human activity will be declared a wildfire and suppressed. However, lightning caused fires that meet pre-planned prescription parameters, outlined in the Fire Management Action Plan, may be managed as a prescribed fire.</p> <p>M6 - 75 Fire management activities within Wilderness will be compatible with overall Wilderness management objectives. Preference will be given to methods and equipment that cause the least:</p> <ul style="list-style-type: none"> Alteration of the Wilderness landscape. Disturbance of the land surface. Disturbance to visitor solitude. Reduction of visibility during periods of visitor use. Adverse effects on other air quality related values. Disturbance to spotted owl nest sites.
ORDEF	M7 - 24_25	06/22/2009	

Unit	Shape/FMU	Activated	Management Requirement
ORDEF	M8 - 22_23_24	06/22/2009	<p>7 Deer Habitat 208,900 acres</p> <p>4 - 115 M7 - 24 High and low intensity burns can help maintain diversity. Fires within 300 feet of guzzlers shall be extinguished and the improvements protected. Snags that do not present a hazard to life or a threat to successful suppression action should not be felled.</p> <p>M7 - 25 Annual low and intensity burn acre objectives will be developed as a part of the Fire Management Action Plan.</p>
ORDEF	M9 - 92_93_94	06/22/2009	<p>8 General Forest 628,300 acres</p> <p>4 - 119 M8 - 22 Suppression practices will be designed to protect the investment in managed tree stands and to prevent losses of large acreages to wildfire</p> <p>M8 - 23 Snags that do not present a hazard to life or a threat to successful suppression action should not be felled.</p> <p>M8 - 24 In Ponderosa pine stands (except for reproduction stands) emphasis should be placed on burning out from existing roads and natural barriers rather than constructing new firelines.</p> <p>9 Scenic Views 171,700 acres</p> <p>4 - 131 M9 - 92 The primary objective in foreground areas is to suppress any wildfires that could potentially become high intensity fires as quickly as possible. Standard suppression techniques may be applied in foreground areas. The method used to suppress wildfires should have the least impact on vegetation and soils possible. Restoration efforts will be made where fire suppression activities do not meet the desired visual condition.</p> <p>M9 - 93 In middle-ground and background areas, wildfires can be suppressed using standard techniques. Control strategies will be developed to minimize impacts from suppression activities on the landscape. Visual contrasts will not be created through suppression techniques unless absolutely necessary.</p> <p>M9 - 94 Recommended burn acre objectives will be developed as a part of the Fire Management Action Plan.</p>

1.4. Course of Action

Jurisdiction and ownership of the fire is still being determined. Fire will be cost-share between ODF and Forest Service, the exact breakdown of which is not yet known.

Estimated Cost

NAME	VALUE
Estimated Cost	\$6,000,000
Method(s) Used	Other

Course of Action

Active	Inactive	Action Item
06/08/2014		Minimize fire spread on Forest Service administered lands. Keep fire west and south of Forest Road 4606 (Mainline). Keep fire north of Forest Road 4601 (Skyliner). Keep fire east and north of Forest Road 4602.

Management Action Point 1

NAME	VALUE
Incident Name	0128 TWO BULLS FIRE
Cost	
Shape	
Activated	06/08/2014
Deactivated	

Condition

Planning Area Boundary inadvertently includes small acreages of Designated Wilderness and Prineville BLM administered lands.

Actions

If fire impacts Designated Wilderness and Prineville BLM administered lands, the appropriate parties will be consulted, and a new decision will be considered.

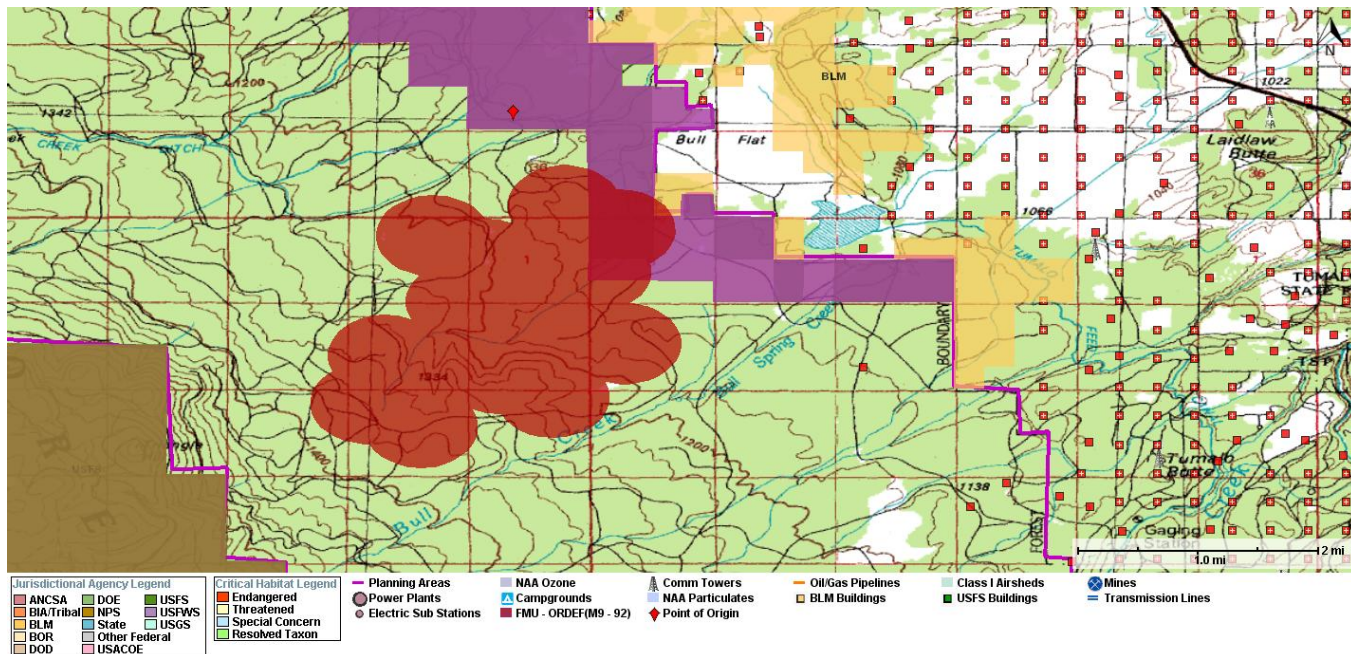
Resources

Prineville BLM, Resource Advisors, and Specialists as needed.

1.5. Validation

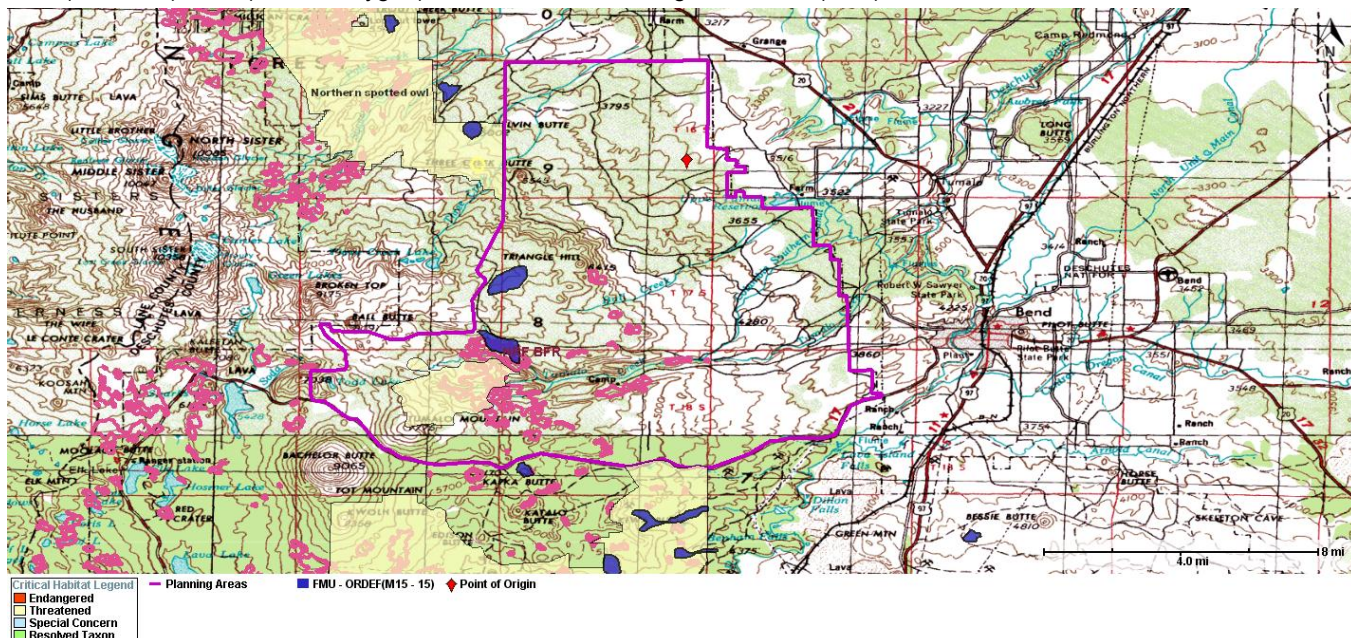
Two Bulls Modis 6 Hours

Modis Activity 1241-1841



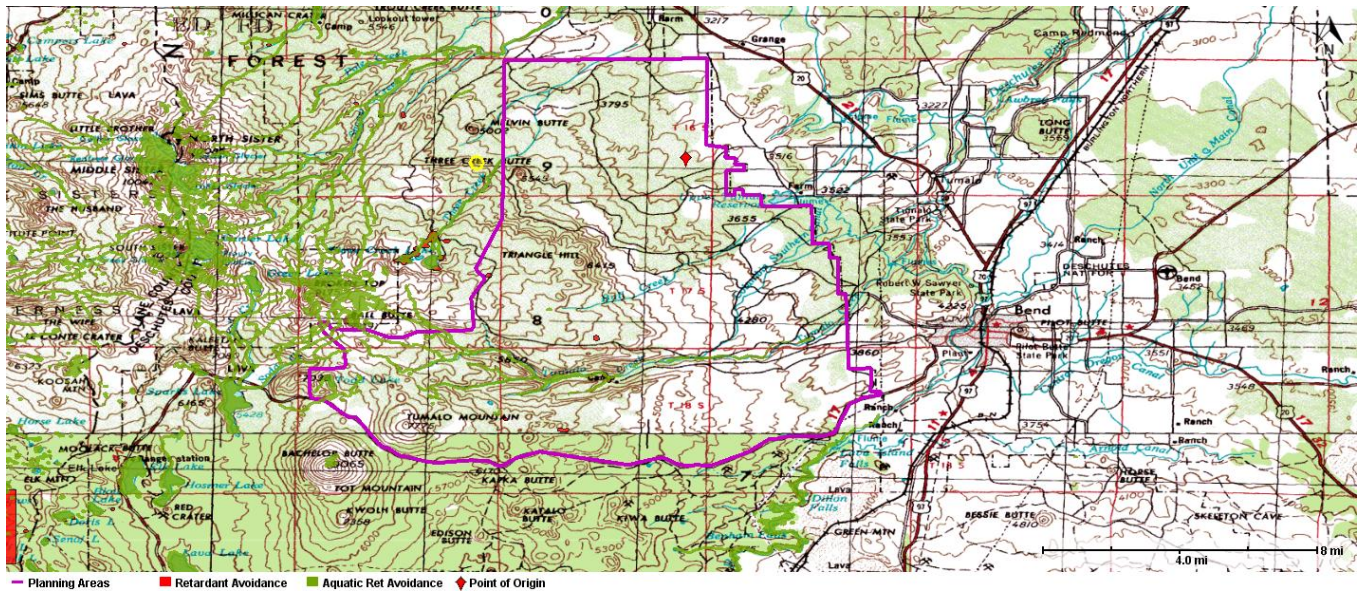
Two Bulls Natural Resources

NRF (Pink Line), TES (Yellow Polygon), and Old Growth Management Area (Blue)



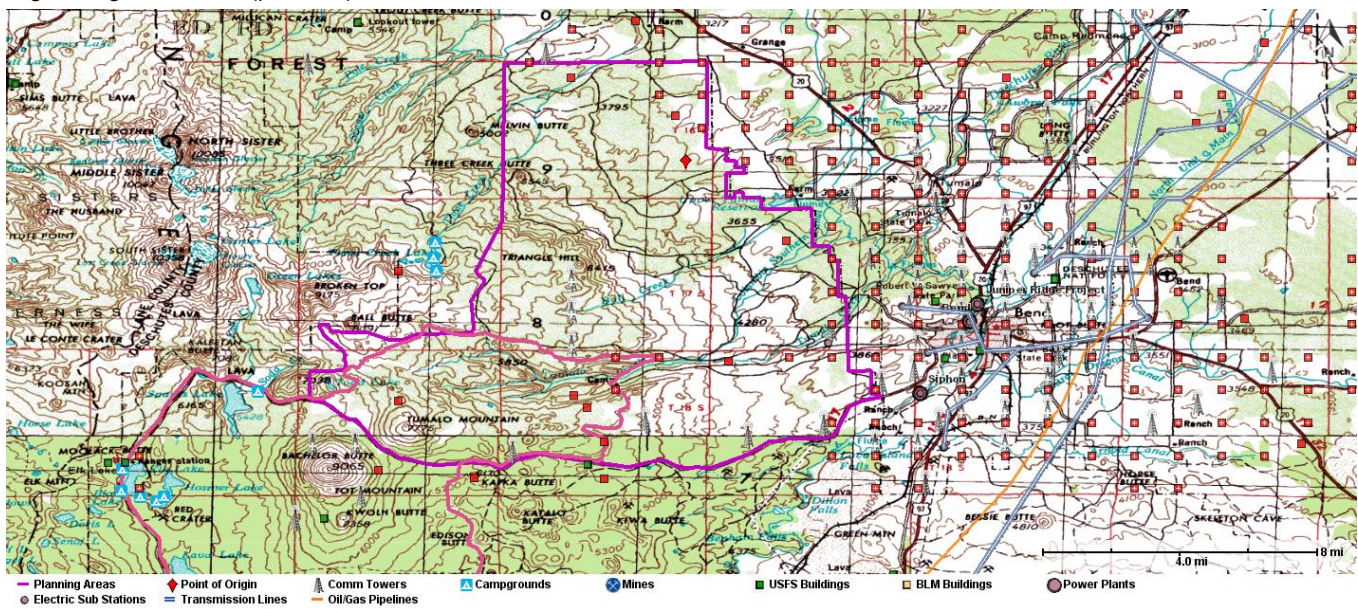
Two Bulls Retardant Avoidance

Retardant Avoidance areas in green (aquatic) and red (terrestrial)



Two Bulls High Firefighter Hazard

High firefighter hazard (pink line)



Validation History

Date (CDT)	User	Action	Comments
06/07/2014 19:18	Stamper, Amanda	Strategic Objectives Not Being Satisfied	A decision is needed because the fire has escaped initial attack; is burning on land administered by more than one agency and in the wildland urban-interface; air quality impacts to Bend, Sisters, and Redmond are anticipated; and authority to manage this fire is being delegated to Oregon Department of Forestry due to the relatively small amount of Forest Service land is perceived to be involved.
06/07/2014 21:24	Stamper, Amanda	Decision created	
06/07/2014 23:47	Stamper, Amanda	The proposed Course of Action	

Validation History

Date (CDT)	User	Action	Comments
		will satisfy the Objectives	

Relative Risk

NAME	VALUE
Relative Risk	High
Duration	Moderate
Saved By	Stamper, Amanda
Completed	06/07/2014 23:33 CDT

Values Notes

Evacuations in progress; Fire has been reported at ~2.5 miles from WUI community; Bend Municipal Watershed is within the planning area; and there are numerous natural and cultural resource concerns.

Hazards Notes

Fuel conditions on private land are mixed - areas of heavy and light fuel loading; Crown fire behavior and fast fire growth reported; No acreage update available but Modis indicates significant area burned in one burning period

Probability Notes

Numerous roads on private land - however some are not conducive to dampening fire growth; Early season fire no season ending events for many months; 1000 hr fuels moistures are similar to those typical in July

1.6. Rationale

The suppression strategy we have selected calls for aggressive full perimeter control actions to minimize the spread of fire into communities, the Bend Municipal Watershed, and Forest Service administered lands. The proximity to the urban interface and private lands along with recent large fire history and a remaining long fire season warrant suppression tactics that employ all available ground and aerial resources to combat the potentially significant and dangerous fire behavior as quickly as possible. This has benefits to fire fighter and public safety, minimizes losses to nearby communities and private lands, avoids potentially significant adverse impacts to the central Oregon economy, and avoids or minimizes as many adverse impacts as possible to a variety of important natural resources.

Providing for firefighter and public safety is always the number one priority. There is no loss of infrastructure, or damage to property or resources that is more important than providing for firefighter and public safety. Fighting the fire safely and aggressively to keep the fire west of Forest Road 4606, and north of Forest Road 4601, and east of Forest Road 4602 will help provide for public safety, minimize impacts to the City of Bend Municipal Watershed, and prevent the loss of private property. The extent that aggressive control actions can be taken will help to shorten the duration of the fire and reduce total firefighter and the public exposure to safety hazards.

The full perimeter control suppression strategy to protect private lands will help to minimize damage to private property, structures, developed recreation sites, and forest resources. This strategy will ultimately reduce the exposure to hazards of both wildland and structure firefighters as well as other emergency services personnel, but will also serve to reduce the total multi-jurisdictional costs.

Keeping the fire within the described perimeter will also minimize economic, health and social impacts to the surrounding communities, and avoid or minimize costly closures to major travel routes during this busy time of the central Oregon recreation and tourist season.

There are important natural resources in the area that will be protected by taking aggressive suppression action to minimize the spread of fire into these areas, or mitigate the suppression impacts if fire does spread into them. These include the City of Bend Municipal Watershed, private and public timber values, deer winter range, sensitive plant areas, old growth, and spotted owl nesting habitat.

Finally, providing accurate and timely information about the fire to all of the emergency service cooperators, affected landowners, and the public will help the surrounding communities and visitors stay informed with the facts about the fire, make informed decisions while the fire is being managed, and minimize the disruptions caused by inaccurate rumors.

In summary, I believe the course of action we have selected best addresses the incident objectives and values at risk while minimizing the exposure of firefighters and the public to safety hazards, while striving to minimize the cost of suppressing and recovering from the fire.