



NORTHRUP Incident Decision

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07/23/21 17:40

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1. Decision

1.1. Decision Summary

Decision Information

NAME	VALUE
Published	07/23/2021 17:40 CDT
Estimated Cost	\$1,500,000
Incident Owner(s)	Clarinda Wilson, Amber Easley, Lonnie Newton, Chris Sheridan, Katherine Russell, Kendra Fallon
Editor(s)	
Reviewer(s)	Lonnie Newton
Approver(s)	Chris Sheridan
Natl Preparedness Level	5

Decision History

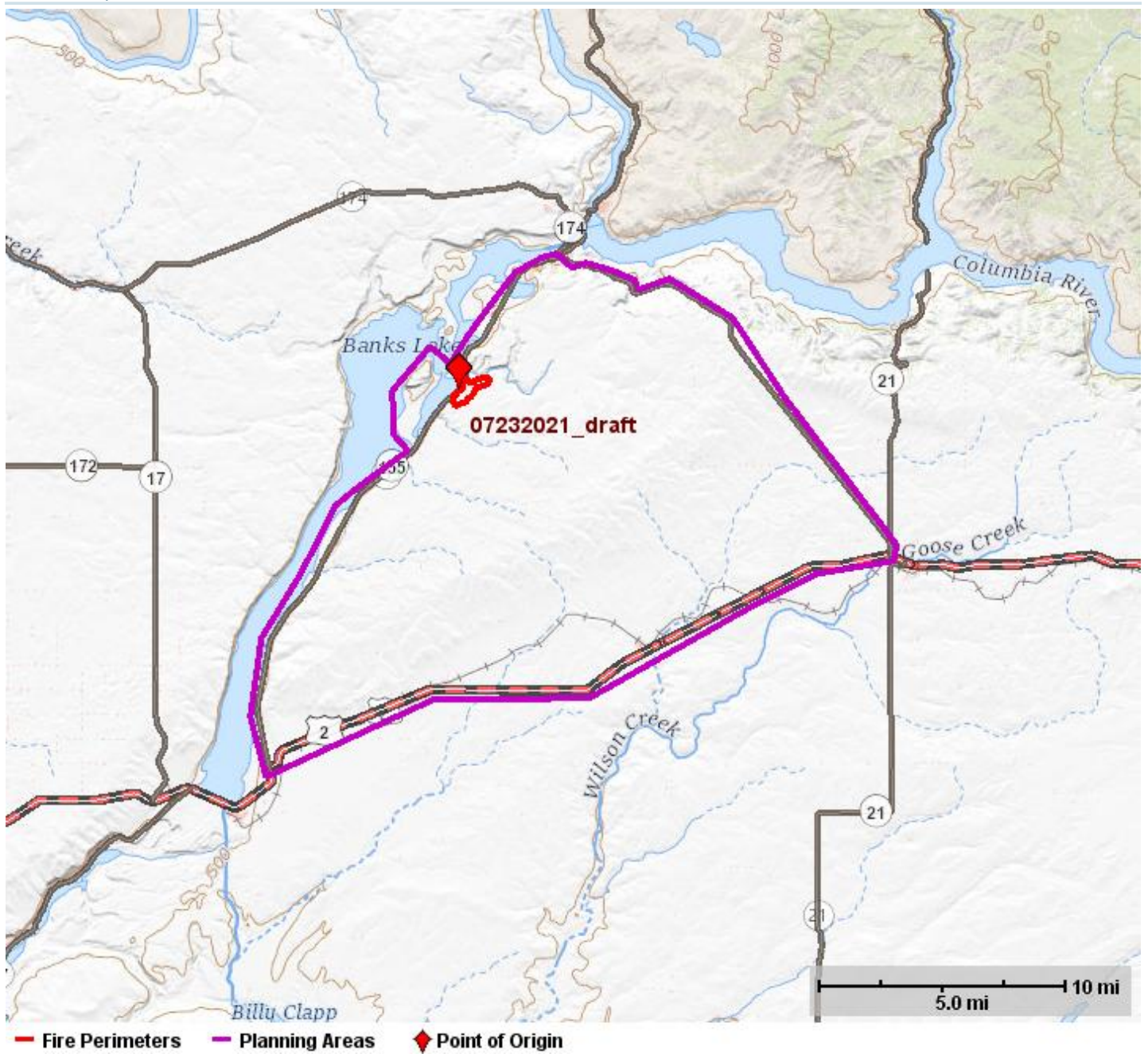
Editor Name	Action	Date (CDT)	Comment
Sheridan, Chris	Approved	07/23/2021 17:40	
Sheridan, Chris	Published	07/23/2021 17:40	
Sheridan, Chris	Review Requested	07/23/2021 17:33	
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Sheridan, Chris	Rejected	07/23/2021 16:59	try
Sheridan, Chris	Review Requested	07/23/2021 16:58	
Sheridan, Chris	Review Requested	07/23/2021 16:57	

1.2. Incident Information

Incident Information

NAME	VALUE
Incident Name	NORTHRUP
Unique Fire Identifier	2021-WASPD-002134
Responsible Unit Name	Spokane District
FireCode	N6M2
P-Code	PDN6M2
Point of Origin	47.8595N / 119.0978 W
Incident Size	150acres
Latest WFDSS Perimeter Size	443acres
Incident Cause	Undetermined
Incident Type	Wildfire
Incident Discovery	07/22/2021 17:42
Contained	
Controlled	
Out	
Jurisdictional Unit	WASES - Southeast Region-Department of Natural Resources
Jurisdictional Agency(s)	BLM, Other, State
Geographic Area (prep level)	Northwest (5)
Owner Name(s)	Clarinda Wilson, Amber Easley, Lonnie Newton, Chris Sheridan, Katherine Russell, Kendra Fallon

Incident Map



1.3. Weather

Fire Weather Zone Forecast

839
FNUS56 KOTX 232157
FWFOTX
Fire Weather Planning Forecast for Eastern Washington and North Idaho
National Weather Service Spokane WA
257 PM PDT Fri Jul 23 2021
.DISCUSSION...
...BREEZY WITH LOW RELATIVE HUMIDITY THROUGH EARLY THIS
EVENING AND AGAIN SUNDAY AFTERNOON AND EVENING...
Dry weather will continue into the middle of next week. Elevated
fire weather conditions are expected this afternoon and early evening
due to locally breezy winds and low relative humidity, especially
in the lee of the Cascades and across the Columbia Basin. Fair to
poor relative humidity recoveries are expected through Saturday
morning in many areas. After seasonal temperatures today, expect
temperatures to warm back up above normal over the weekend into
next week with locally breezy gap winds.

Forecasts for 20 foot wind speeds (valleys and ridge tops) are
10 minute averages reflecting RAWs wind.

WAZ673-674-241315-
East Washington Northern Columbia Basin (Zone 673)-
East Washington Palouse and Spokane Area (Zone 674)-
Including the cities of Waterville, Wilbur, Ritzville,
Moses Lake, Spokane, Cheney, Davenport, and Pullman
257 PM PDT Fri Jul 23 2021
.Tonight...
* Sky/Weather.....Mostly clear. Haze and areas of smoke.
* LAL.....1.
* Min Temperature.....55-65.
* 24 hr Trend.....4 degrees warmer.
* Max Humidity.....45-60 percent.
* 24 hr Trend.....Unchanged.
* Humidity Recovery...Poor.
* 20-foot winds.....West 3 to 10 mph.
* Haines Index.....3 or very low.
* Mixing Height.....5500 ft AGL falling to near surface.
* Transport Winds.....West 5 to 15 mph.
* CWR (> 0.10 IN).....0 percent.
.SATURDAY...
* Sky/Weather.....Sunny. Haze and areas of smoke.
* LAL.....1.
* Max Temperature.....90-97.
* 24 hr Trend.....4 degrees warmer.
* Min Humidity.....14-17 percent.
* 24 hr Trend.....1 percent wetter.
* 20-foot winds.....East 3 to 6 mph in the morning shifting to
the southwest 3 to 7 mph in the afternoon.
* Haines Index.....3 or very low.
* Mixing Height.....8000 ft AGL.
* Transport Winds.....Southwest 5 to 10 mph.
* CWR (> 0.10 IN).....0 percent.
.SATURDAY NIGHT...
* Sky/Weather.....Mostly clear. Haze and areas of smoke.
* LAL.....1.
* Min Temperature.....58-68.
* Max Humidity.....45-60 percent.
* Humidity Recovery...Poor.
* 20-foot winds.....West 3 to 9 mph. Gusts up to 20 mph
overnight.
* Haines Index.....4 or low.
* Mixing Height.....5000 ft AGL falling to near surface.
* Transport Winds.....West 5 to 10 mph.
* CWR (> 0.10 IN).....0 percent.
.SUNDAY...
* Sky/Weather.....Sunny. Haze and areas of smoke.
* LAL.....1.
* Max Temperature.....93-101.
* Min Humidity.....12-14 percent.
* 20-foot winds.....Southwest 5 to 12 mph. Gusts up to 25 mph
in the afternoon.
* Haines Index.....4 or low.
* Mixing Height.....11000 ft AGL.
* Transport Winds.....Southwest 5 to 15 mph.
* CWR (> 0.10 IN).....0 percent.
.Forecast Days 3 Through 7.....
.MONDAY...Partly cloudy. Haze and areas of smoke. Lows 58 to 68.
Highs 93 to 99. West wind up to 10 mph.
.TUESDAY THROUGH WEDNESDAY...Partly cloudy. Lows 61 to 70. Highs
90 to 97. West wind up to 10 mph.

Fire Weather Zone Forecast

.THURSDAY THROUGH FRIDAY...Mostly clear. Lows 61 to 71. Highs
92 to 101.
.8 to 14 Day Outlook for Jul 31 - Aug 06, 2021
Above Normal Temperatures and Near Normal Precipitation.
\$\$

1.4. Risk

Relative Risk

NAME	VALUE
Relative Risk	High
Duration	High
Saved By	Wilson, Clarinda
Completed	07/23/2021 14:25 CDT

Relative Risk Notes

The area is in a significant drought, with hot temperatures. Fire is in State Park with many recreational structures. Dry coniferous forests will contribute to long duration, but outside the canyon walls grass and shrub fuel types will persist for a moderate length of time. The NW is in preparedness level 5.

A historic ammunition dump is located on T28 R30 Sections 21 and 22 which could cause dangerous conditions if the fire reaches this area.

Values Notes

This fire started on the shore of Banks Lake in Steamboat Rock State Park just south of Northrup Canyon trailhead. Banks Lake to the west and Lake Roosevelt to the north act as a good barrier to northern and western spread. The towns of Osborn, Electric City, and Grand Coulee are threatened if the fire spreads north towards lake Roosevelt.

Social/Economic Concerns include Bureau of Reclamation owned lands in the vicinity are managed by Steamboat Rock State Park and are a popular recreation area. Northrup Boat Launch, west of the highway, is a popular boat launch on Reclamation lands, managed by State Parks. There are 3 BLM grazing allotments within the area, and irrigated farmlands. A communication site is overlooking Electric City. A level 2 evacuation is in place for approximately 40 homes along Hwy 155 N.

A historic ammunition dump is located on T28 R30 Sections 21 and 22 which would cause dangerous conditions for fire fighters.

The fire is within the traditional territory of the Moses Columbia Tribe, a constituent member of the Confederated Tribes of the Colville Reservation. Significant named places and cultural resources are present in the area; there are many stacked rock features and at least one site of critical spiritual significance.

BLM, Bureau of Reclamation and State-administered lands along Banks Lake and Lake Roosevelt include the Banks Lake Important Bird Area (Audubon), Wilson Creek Sharptail Grouse Recovery Unit, Moses Coulee Sage grouse PAC, priority habitat species occupy the area including sage grouse, year-round mule deer habitat, raptor habitat, bulrush wetlands provide habitat for waterfowl, fur-bearing animal and nesting and brooding area for waterfowl. Most rare plant communities are to the north and east of Northrup Canyon. Vernal pools with sensitive resources are present in the area.

Hazards Notes

Gusty winds up to 16 mph and low relative humidity are forecasted through the evening. Winds are expected to stay consistent or decrease as the weekend goes on. Temperatures above 100 degrees F will persist through the weekend contributing to the ongoing drought.

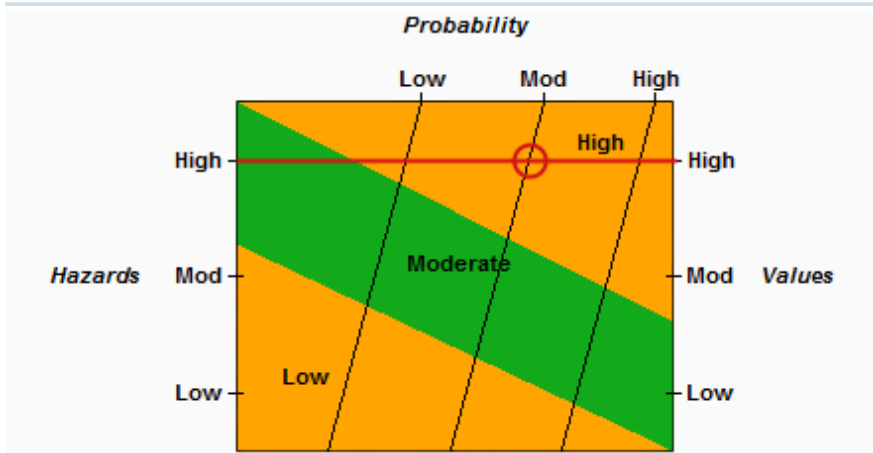
The entire region of eastern Washington is in extreme drought conditions leading to dry fuels. Northrup Canyon includes coniferous forest with sagebrush ecosystem which could cause explosive fire growth.

A historic ammunition dump is located on T28 R30 Sections 21 and 22 which increases hazards of working in this area.

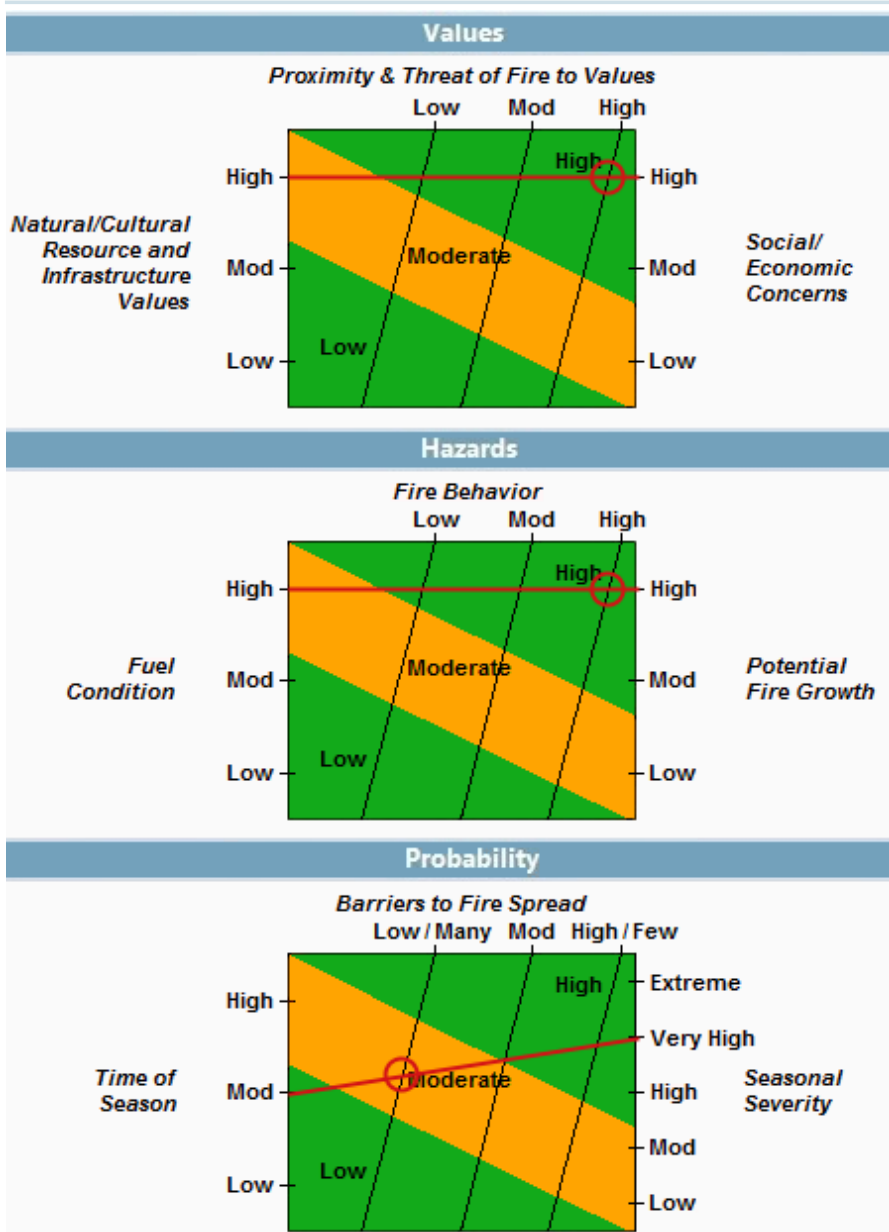
Probability Notes

The fire season is in mid-season. State Route 174 and Roosevelt Lake act as boundaries to the east and north, Banks Lake and US Highway 2 act as boundaries to the south and west. Wheat and other agricultural fields cover the Columbia Plateau directly to the east of the fire area. Coulee walls can act as barriers to spread. The NW is in preparedness level 5 meaning fire fighting resources are scarce in the state of Washington.

Relative Risk Chart



Relative Risk Inputs



Organization Assessment

NAME	VALUE
Unit Recommended Org Type 3	

Saved By	Wilson, Clarinda
Completed	07/23/2021 16:02 CDT

Organization Assessment Notes

Current incident objectives are commensurate with at Type 3 IMT. Type 3 IMP can accomplish the incident objectives safely and this is the recommended team level.

Relative Risk Notes

The area is in a significant drought, with hot temperatures. Fire is in State Park with many recreational structures. Dry coniferous forests will contribute to long duration, but outside the canyon walls grass and shrub fuel types will persist for a moderate length of time. The NW is in preparedness level 5. A historic ammunition dump is located on T28 R30 Sections 21 and 22 which could cause dangerous conditions if the fire reaches this area.

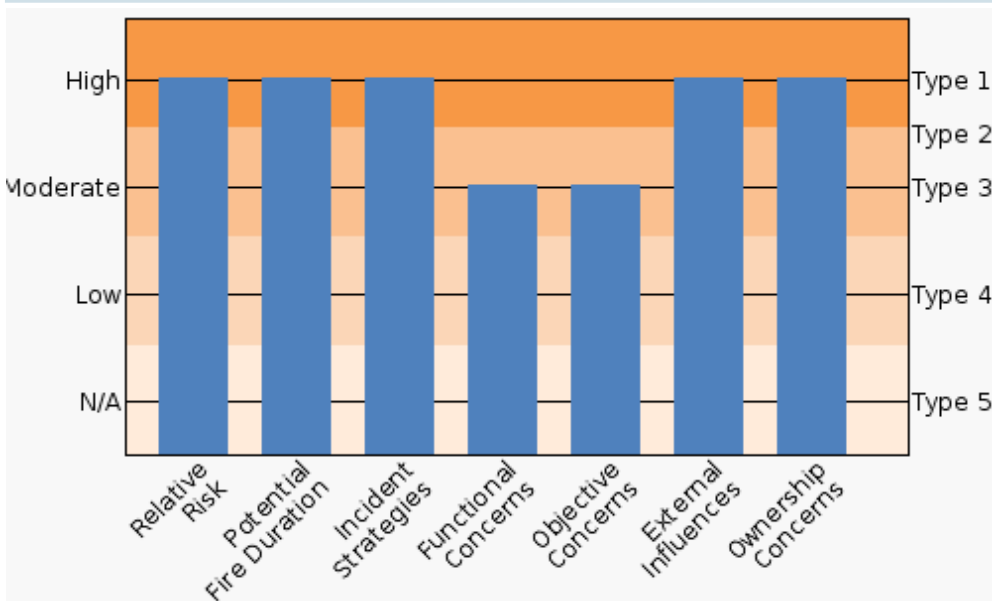
Implementation Difficulty Notes

Historic ammunition pile would cause dangerous situation for firefighters in the area. Air resources were ordered. Northwest region is in Type 5, so resources available are limited.

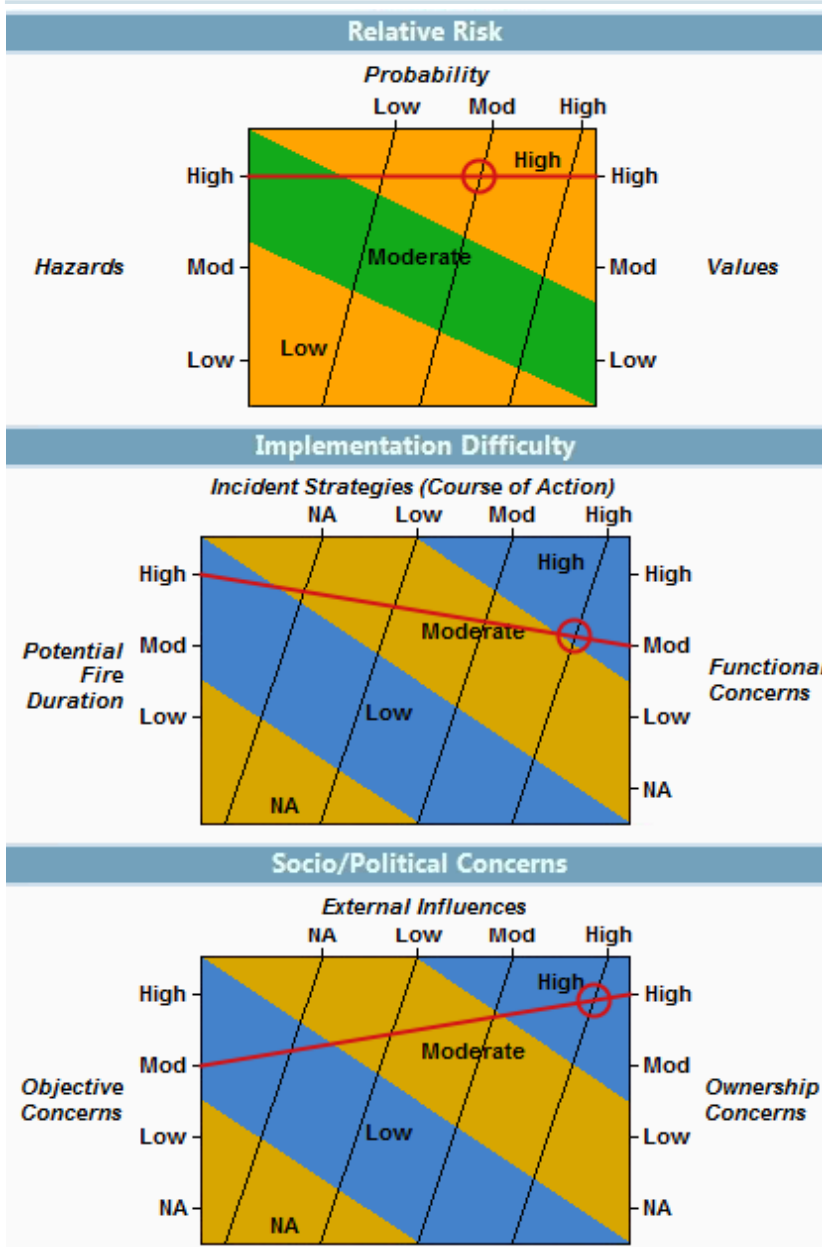
Socio/Political Concerns Notes

Fire is burning in multi-jurisdictional area including state-owned lands, BOR, BLM and private. Impact on neighbors and visitors is high in State Park areas and popular boat launch and hiking recreation sites.

Organization Assessment Chart



Unit Recommended Org: Type 3



Planning Area Values Inventory Generated at 07/23/2021 10:12

NAME	VALUE
Planning Area Name	07/23/2021 16:52
Incident Name	NORTHRUP
Planning Area Size	191,798 acres

Category	Value	Data Source	Currency	Coverage
BLM Range Allotments	1,178 acres	BLM National Operations Center (NOC)	04/01/2020	National
Building Clusters: Grant, WA	1,144	Various	Various	Available counties
Building Clusters: Lincoln, WA	73	Various	Various	Available counties
Communication Towers	109	HIFLD	02/20/2020	National
County: Grant, WA	115,664 acres	US Census Bureau - TIGER	02/02/2021	National
County: Lincoln, WA	76,132 acres	US Census Bureau - TIGER	02/02/2021	National

Category	Value	Data Source	Currency	Coverage
Electric Transmission Lines	111.8 miles	Homeland Security Open Data	07/08/2020	CONUS, AK, HI, Puerto Rico, Guam, N. Marian Islands, and US Virgin Islands
Est Ground Evac Time: 6 + Hrs	504 acres	National Park Service NIFC	11/01/2012	CONUS
Estimated Population	1,915	LandScan USA	2018	CONUS, AK, HI, PR
Landowner Category: BLM	1,122 acres	PAD-US 2.0, AICC, BIA/ WFDSS, Census	10/09/2020	National
Landowner Category: BOR	1,118 acres	PAD-US 2.0, AICC, BIA/ WFDSS, Census	10/09/2020	National
Landowner Category: NPS	7 acres	PAD-US 2.0, AICC, BIA/ WFDSS, Census	10/09/2020	National
Landowner Category: OthLoc	285 acres	PAD-US 2.0, AICC, BIA/ WFDSS, Census	10/09/2020	National
Landowner Category: Private	178,594 acres	PAD-US 2.0, AICC, BIA/ WFDSS, Census	10/09/2020	National
Landowner Category: State	10,670 acres	PAD-US 2.0, AICC, BIA/ WFDSS, Census	10/09/2020	National
Natl Scenic Byways	25.8 miles	National Park Service	02/28/2019	National
Roads	72.6 miles	NAVTEQ	11/2012	National
Sage Grouse Habitat: USFWS-OCC	36,729 acres	BLM/NIFC	06/2021	National
Sage Grouse Habitat: USFWS-PAC	31 acres	BLM/NIFC	06/2021	National
TNC Lands: Seaton Canyon	285 acres	The Nature Conservancy	02/03/2021	National

Coverage of Values Queried that Produced No Results

BLM Buildings (National), BLM Horse and Burro (National), BLM Oil / Gas Leases (National), Campgrounds (National (BLM and USFS only)), Class 1 Airsheds (National), Electric Power Plants (CONUS, AK, HI, Puerto Rico, Guam, N. Marian Islands, and US Virgin Islands), Electric Sub Stations (CONUS, AK, HI, Puerto Rico, Guam, N. Marian Islands, and US Virgin Islands), Habitat (National), IRA (National), Mines (National), NPS Buildings (National), NRA (National), Natl Historic Trails (National), Natl Recreation Trails (National), Natl Scenic Trails (National), Natl Wild Scenic Rivers (National), Oil and Gas Pipelines (National), Other Areas (National), Ozone Non-Attainment (National), Particulates Non-Attainment (National), Protecting Unit (AK, CA, ID, MT, NM, MN), USFS Buildings (National), USFS Trails (CONUS, AK, HI, PR), USFWS Trails (CONUS, AK, HI, PR), WSA (National), Wilderness (National)

1.5. Benefits

Benefits

Last updated by Clarinda Wilson on 07/23/2021 14:01



Comments

There is no benefit to allowing this fire to burn. Full suppression recommended.

1.6. Objectives

Incident FMU/Strategic Objective Code List

Unit	FMU/Strat Obj Code	Acres
IDBRL		973
IDBRL	C-PN1	980
WALRP	Lake Roosevelt NRA	6.7
WASPD	Gen	1,897

Spatial Fire Planning Inventory

Category	Value	Data Source	Currency	Coverage
Mgmt Req: Special Status and Rare Plants	84 acres	WASPD	Current	Unit Level
Mgmt Req: VRM 1 and 2	1,897 acres	WASPD	Current	Unit Level

Incident Objective List

Activated	Incident Objective
07/23/2021	<p>1) The primary objective for this wildfire is to maintain public and firefighter safety. Consider this objective in every decision.</p> <p>2) After consideration of safety, protect property and structural values including homes, roadways, and critical infrastructure.</p> <p>3) Cultural resources are a key resource and critical cultural resources are present in the wildfire perimeter. Coordinate with Resource Advisors to avoid wherever possible.</p> <p>4) After considering the above, protect Natural Areas identified in WA State Parks and similar habitat types identified by BLM Resource Advisors on BLM-administered lands. In Natural Areas, where there is no conflict with the above objectives, follow minimum impact suppression techniques. Use existing roads wherever possible. Chemical retardant control lines should only be used as a last alternative.</p>

Incident Requirement List

There are no Incident Requirements.

Strategic Objective List

Unit	Shape/ FMU	Activated	Strategic Objective
WASPD	<Unit>	07/03/2017	Safety & Risk Management: Firefighter and public safety is the first priority in every fire management activity. Sound risk management is a foundation for all fire management activities. <i>Source: 2009 Guidance for Implementation of Federal Wildland Fire Management Policy.</i>
WASPD	<Unit>	07/03/2017	Human Caused Wildfire: Initial action on human-caused wildfires will be to suppress the fire at the lowest cost with the fewest negative consequences with respect to firefighter and public safety. <i>Source: 2009 Guidance for Implementation of Federal Wildland Fire Management Policy.</i>
WASPD	<Unit>	07/03/2017	Fire Management: Take into consideration resource values, public concern and safety, private, and/or public impacts and intermingled landownership. <i>Source: Spokane Resource Management Plan Record of Decision May 1987 p. 28.</i>
WASPD	Gen	07/03/2017	All wildfires on or threatening Bureau Lands will be suppressed. Suppression will increase in intensity where life threatening situations, developed areas, and areas of high value resources are involved. <i>Source: Spokane Resource Management Plan Record of Decision May 1987 p. 42.</i>

Management Requirement List

Unit	Shape/ FMU	Activated	Management Requirement
WASPD	<Unit>	07/03/2017	Application of fire retardant: <u>Aerial Delivery Policy:</u> Avoid aerial application of all wildland fire chemicals within 300 feet of waterways. Whenever practical, as determined by the fire incident commander, use water or other less toxic wildland fire chemical suppressants for direct attack or less toxic approved fire retardants in areas occupied by threatened, endangered, proposed, candidate or sensitive species (TEPCS) or their designated critical habitats. <u>Ground Delivery Policy:</u> Avoid application of all wildland fire chemicals into waterways. Delivery on the ground provides for more precise delivery of fire chemicals to target areas. Thus, delivery is allowed within the aquatic mapped avoidance areas provided chemicals do not reach the waterway. Because there is the potential for TEPCS, their designated critical habitats, or other resources

Unit	Shape/ FMU	Activated	Management Requirement
WASPD	<Unit>	07/03/2017	<p>such as cultural or heritage areas to occur in waterway buffers or additional mapped avoidance areas, it is advised that a resource advisor be consulted prior to application to determine best action or the potential for environmental effects. Follow reporting requirements provided in the Redbook Ch. 12 if application of wildland fire chemicals occurs in waterways, waterway buffers, and avoidance areas. <i>Source: Redbook Ch. 12 Interagency Policy for Aerial and Ground Delivery of Wildland Fire Chemicals Near Waterways and Other Avoidance Areas.</i></p> <p>Cultural/Archeological: As appropriate initiate emergency consultation with tribes and SHPO to identify cultural resources at risk from wildfire or suppression actions and to identify archaeological and historic sites and structures and recommend appropriate level of protection. Avoid/ minimize impacts to known or suspected important archaeological sites, historic structures, religious or sacred sites, and places of traditional cultural significance. <i>Source: National Historic Preservation Act Section 106 regulations 36CFR800 (Protection of Historic Properties).</i></p>
WASPD	<Unit>	07/03/2017	<p>Threatened & Endangered Species: No action will be taken by the BLM that could jeopardize the continued existence of any federally listed threatened or endangered plant or animal species. The USFWS will be consulted regarding actions that affect habitat of these species. State sensitive species will be given the same management considerations as though they were officially listed pursuant to the Endangered Species Act of 1973. <i>Source: Spokane Resource Management Plan Record of Decision May 1987 p.43</i></p> <p>“Actions authorized by the BLM shall further the conservation and/or recovery of federally listed species and conservation of Bureau sensitive species. Bureau sensitive species will be managed consistent with species and habitat management objectives in land use and implementation plans to promote their conservation and to minimize the likelihood and need for listing under ESA.” <i>Source: 2008 BLM Manual 6840 Special Status Species Management.</i></p>
WASPD	Special Status and Rare Plants	07/03/2017	<p>Special Status and Rare Plant Species: “Actions authorized by the BLM shall further the conservation and/or recovery of federally listed species and conservation of Bureau sensitive species. Bureau sensitive species will be managed consistent with species and habitat management objectives in land use and implementation plans to promote their conservation and to minimize the likelihood and need for listing under ESA.” <i>Source: 2008 BLM Manual 6840 Special Status Species Management.</i></p>
WASPD	VRM 1 and 2	07/03/2017	<p>Visual Resource VRM/VRI Class I and II: 1. Class I Objective. The objective of this class is to preserve the existing character of the landscape. This class provides for natural ecological changes; however, it does not preclude very limited management activity. The level of change to the characteristic landscape should be very low and must not attract attention.</p> <p>2. Class II Objective. The objective of this class is to retain the existing character of the landscape. The level of change to the characteristic landscape should be low. Management activities may be seen, but should not attract the attention of the casual observer. Any changes must repeat the basic elements of form, line, color, and texture found in the predominant natural features of the characteristic landscape.</p> <p><i>Source: BLM Policy H-8410</i></p>

1.7. Course of Action

Course of Action

Active	Inactive	Action Item
07/23/2021		Full Suppression while providing first for life, safety and property.

1.8. Cost

Estimated Final Cost

NAME	VALUE
Estimated Final Cost	\$1,500,000
Method(s) Used	Historic Costs

Comments

Assumed 2 days air attack and 2 days ground attack.

1.9. Rationale

Incident SPD-2134 Decision

My decision is to support suppression tactics for this incident that prioritize (in order of importance): firefighter and public safety, protection of homes and infrastructure, and key cultural and natural resources (defined below). The cooperators involved in sharing this decision process are the BLM Spokane District, the Bureau of Reclamation (BOR)- Columbia-Cascades Area, Grant County Fire District 14, Grant County Fire District 6, Washington Department of Natural Resources (Steamboat State Park). These agencies have federal land or protection responsibility within the planning area for this fire or are responsible for protecting private and state lands in the planning area.

The values of concern include: firefighter and public safety, protection of homes and infrastructure, and key natural and cultural resources. Infrastructure includes parks, powerlines, and roads. Natural resources of high concern include: extremely sensitive cultural sites, and sensitive plant communities. Careful coordination with resource advisors (at Division levels) is essential to avoid impacting these resources.

The complexity of the fire and wildfire objectives indicate that a type 3 organization is appropriate for the fire at this time. The following triggers would indicate revisions to this decision or that a new decision is needed: threats to major population centers, extreme fire growth, and the inability of the established IMT to make progress on containment or any fire objectives.