



# CANOD Lost Incident Decision

Published  
08/08/12 17:29

## Table of Contents

|                                  |    |
|----------------------------------|----|
| 1. Decision.....                 | 2  |
| 1.1. Decision Summary .....      | 2  |
| 1.2. Assessment.....             | 3  |
| 1.2.1. Incident Information..... | 3  |
| 1.2.1.1. Content.....            | 3  |
| 1.2.2. Weather.....              | 7  |
| 1.2.2.1. Content.....            | 7  |
| 1.2.3. Content.....              | 15 |
| 1.3. Objectives.....             | 18 |
| 1.3.1. Content.....              | 18 |
| 1.4. Course of Action.....       | 26 |
| 1.4.1. Content.....              | 26 |
| 1.5. Validation.....             | 30 |
| 1.5.1. Content.....              | 30 |
| 1.6. Rationale .....             | 41 |
| 1.6.1. Content.....              | 41 |

# 1. Decision

## 1.1. Decision Summary

### Decision Information

| NAME                    | VALUE  |
|-------------------------|--|
| Published               | 08/08/2012 17:29 CDT   |
| Estimated Cost          | \$4,500,000  |
| Incident Owner (s)      | James Newman, Paul Whitcome, Mark Beterbide, Casey Boespflug, Albert Savage, Mike Boomer |
| Editor(s)               | Alan Uchida, Julie Rodman, Steve Surian, Tim Burke                                       |
| Reviewer(s)             |  |
| Approver(s)             | Tim Burke  |
| Natl Preparedness Level | 3  |

### Decision History

| Editor Name   | Action           | Date (CDT)       | Comment |
|---------------|------------------|------------------|---------|
| Burke, Tim    | Approved         | 08/08/2012 17:29 |         |
| Burke, Tim    | Published        | 08/08/2012 17:29 |         |
| Newman, James | Review Requested | 08/08/2012 17:20 |         |
| Newman, James | Review Requested | 08/08/2012 17:19 |         |

## 1.2. Assessment

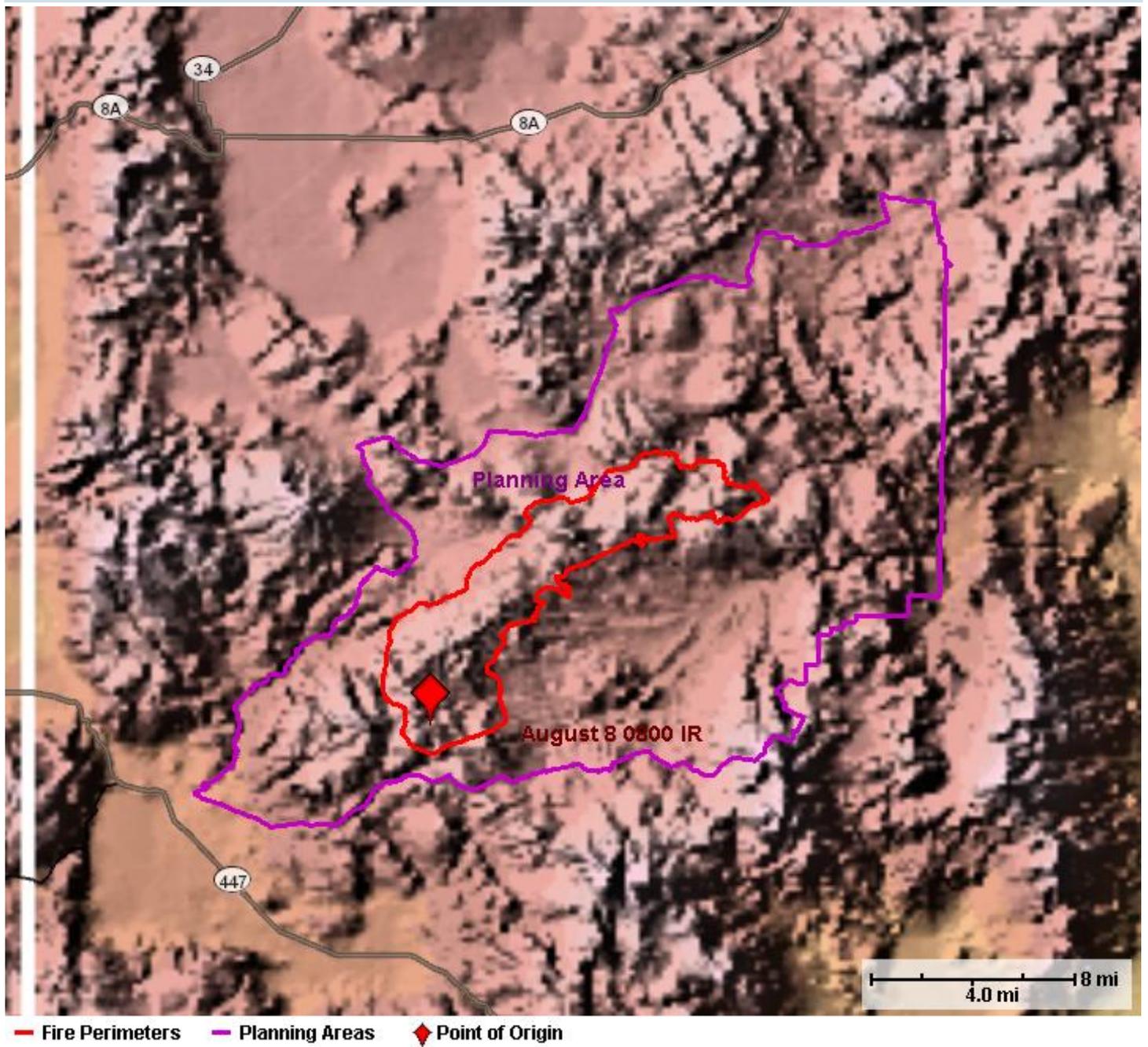
### 1.2.1. Incident Information

#### 1.2.1.1. Content

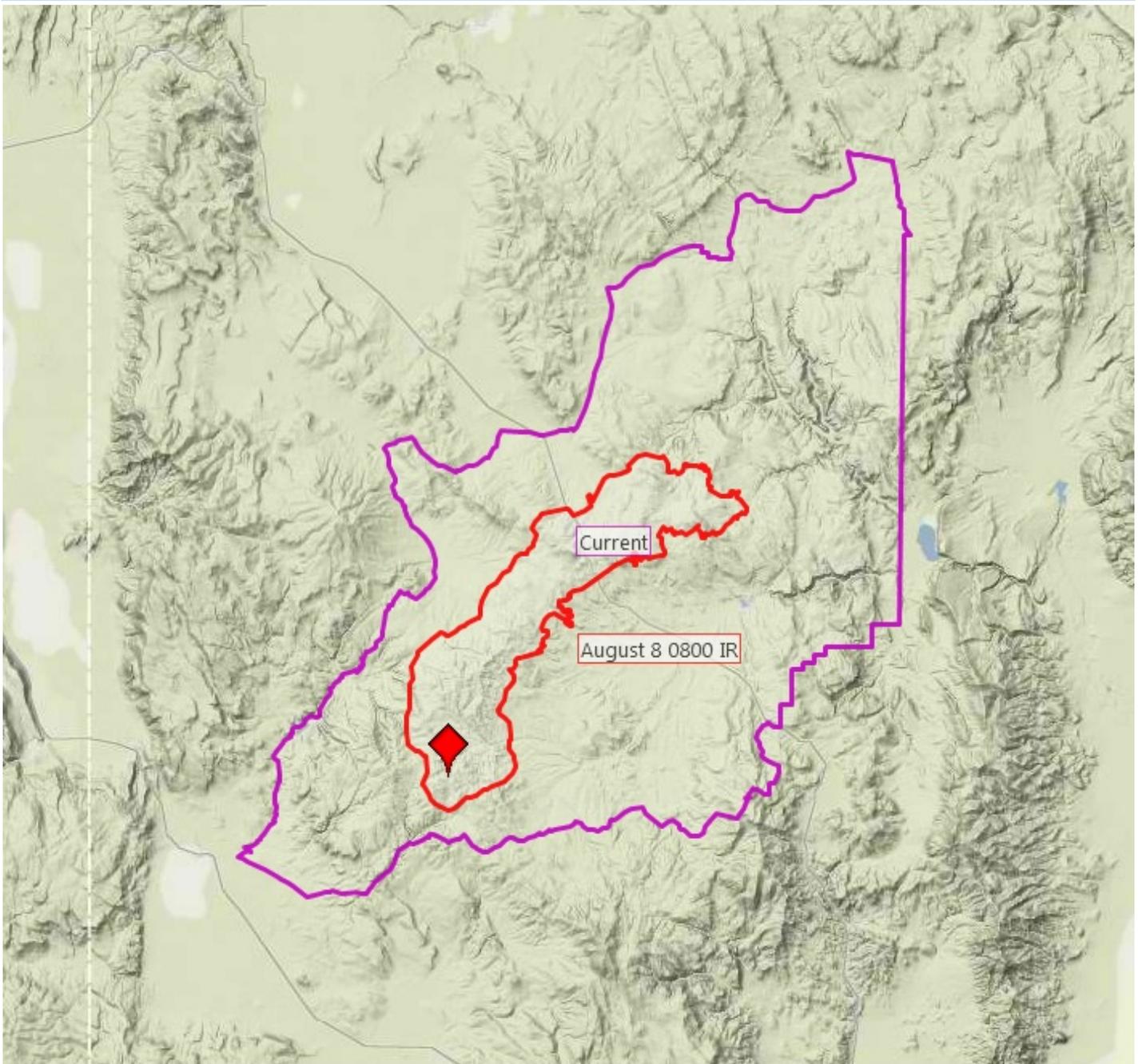
##### Incident Information

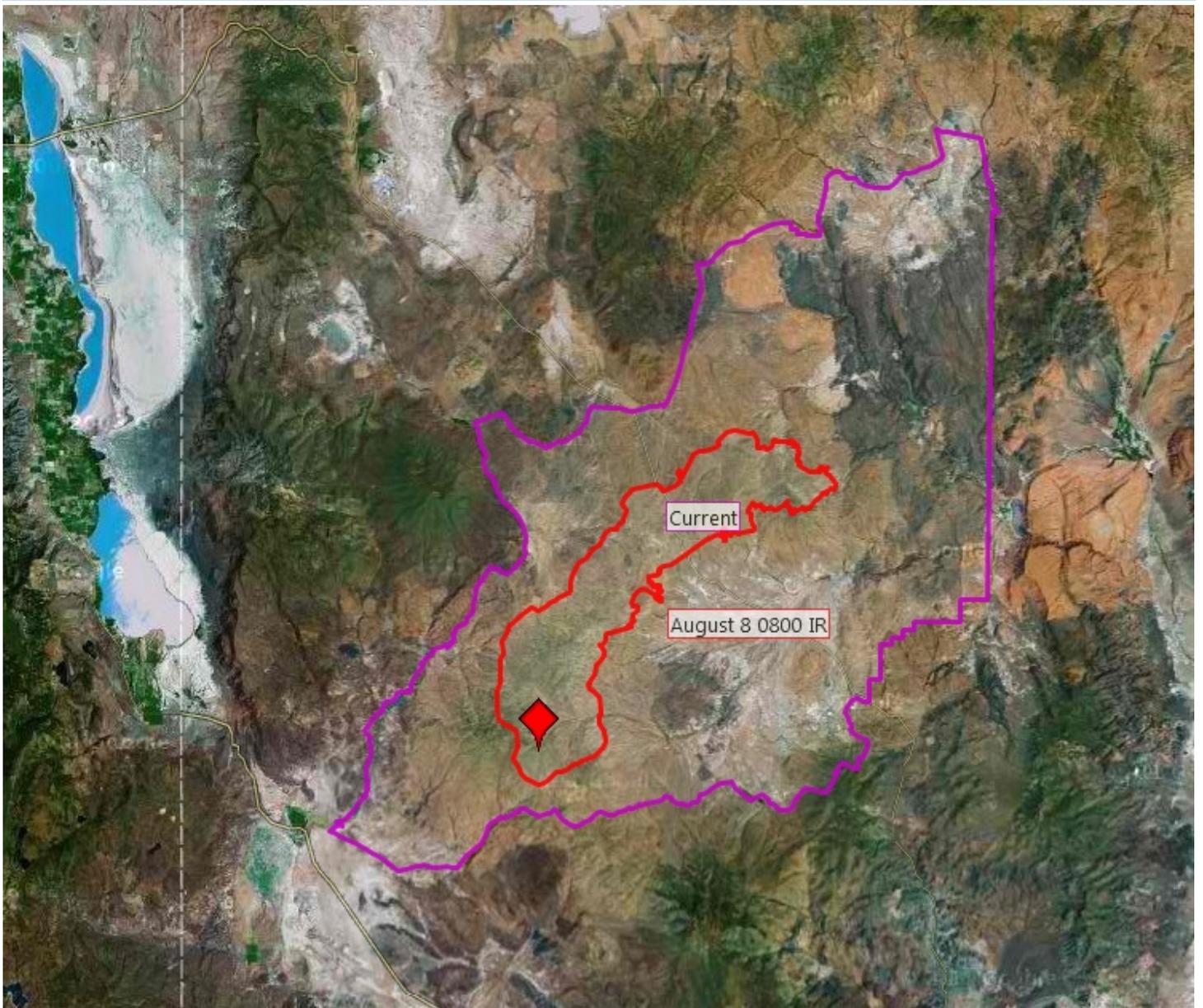
| NAME                     | VALUE  |
|--------------------------|--|
| Incident Name            | CANOD Lost   |
| Unique Fire Identifier   | 2012-CANOD-003373  |
| Responsible Unit Name    | Northern California Region - BLM   |
| FireCode                 | G4Z9   |
| Incident Size            | 45,279 acres   |
| Incident Cause           | Unknown  |
| Incident Discovery       | 08/05/2012 17:30   |
| Contained                |  |
| Controlled               |  |
| Out                      |  |
| Jurisdictional Unit      | CANOD - Northern California Region - BLM   |
| Jurisdictional Agency(s) | BLM  |
| Geographic Area          | Northern California  |
| Point of Origin          | 41.13686 N / 119.69117 W   |
| Owner Name(s)            | James Newman, Paul Whitcome, Mark Beterbide, Casey Boespflug, Albert Savage, Mike Boomer |
| Nationally Significant   | No   |

Incident Map

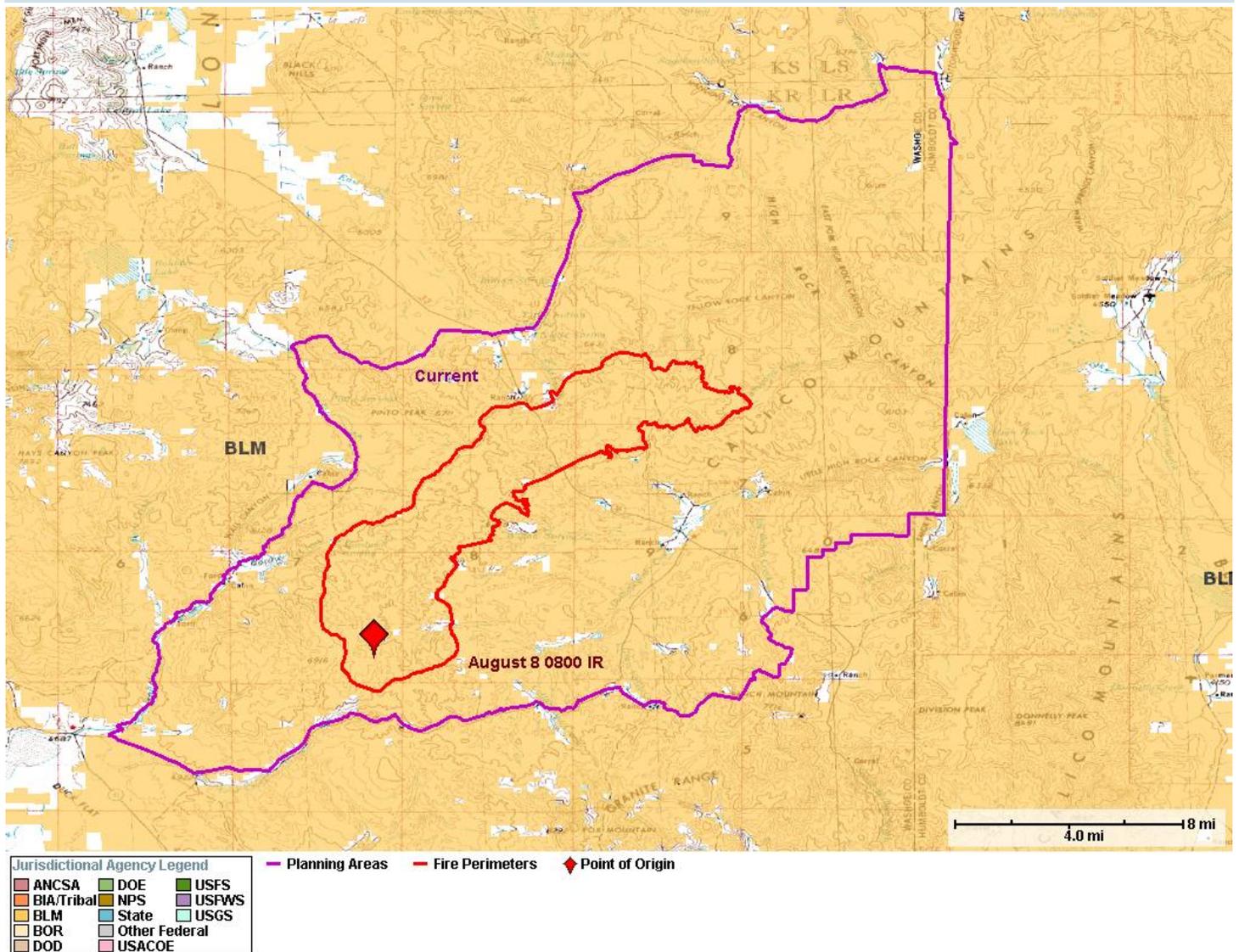


The map displays the current planning area boundary.





## 8-8 1400 Land Ownership



The lands colored in yellow are BLM lands. The white inholdings are private lands.

### 1.2.2. Weather

#### 1.2.2.1. Content

#### Fire Weather Zone Forecast

000  
 FNUS55 KLKN 082119  
 FWFLKN

FIRE WEATHER PLANNING FORECAST FOR NORTHERN AND CENTRAL NEVADA  
 NATIONAL WEATHER SERVICE ELKO NV  
 219 PM PDT WED AUG 8 2012

.DISCUSSION...EXPECTING ADDITIONAL THUNDERSTORMS LATE THIS AFTERNOON AND INTO THE EVENING. MULTIPLE LOCATIONS WILL SEE A MIX OF DRY AND WET THUNDERSTORMS. MORE FIRE STARTS POSSIBLE THIS EVENING. MONSOON MOISTURE WILL LINGER THIS WEEK. NEXT ORGANIZED SYSTEM EXPECTED LATE FRIDAY.

## Fire Weather Zone Forecast

---

NOTE: SEE FIRE WEATHER DISCUSSION IN THE AREA FORECAST DISCUSSION FOR MORE INFO

NOTE: THUNDERSTORMS IMPLY GUSTY AND ERRATIC WINDS

NOTE: CWR MEANS PRECIPITATION TOTALS WILL BE MORE THAN 0.10 INCHES

NOTE: WINDS IN THE EXTENDED FORECAST ARE AVERAGE DAYTIME WINDS

NVZ467-091130-  
CENTRAL AND WESTERN HUMBOLDT COUNTY-  
219 PM PDT WED AUG 8 2012

.TONIGHT...

SKY/WEATHER.....MOSTLY CLEAR.

MIN TEMPERATURE.....

VALLEYS.....53-63.

MID SLOPE.....64-74.

24 HR TREND.....3 DEGREES COOLER.

MAX HUMIDITY.....

VALLEYS.....28-38%.

MID SLOPE.....18-28%.

24 HR TREND.....12% WETTER.

20-FOOT WINDS.....

VALLEYS/SLOPE....DOWNSLOPE/DOWN VALLEY WINDS 2 TO 5 MPH.

RIDGE TOP.....WEST 6 TO 12 MPH.

HAINES INDEX.....5.

LAL.....1.

CHC WETTING RAIN....0%.

.THURSDAY...

SKY/WEATHER.....PARTLY CLOUDY. ISOLATED DRY THUNDERSTORMS IN THE AFTERNOON.

MAX TEMPERATURE.....

VALLEYS.....99-104.

MID SLOPE.....89-99.

24 HR TREND.....LITTLE CHANGE.

MIN HUMIDITY.....

VALLEYS.....5-10%.

MID SLOPE.....8-13%.

24 HR TREND.....LITTLE CHANGE.

20-FOOT WINDS.....

VALLEYS/SLOPE....UPSLOPE/UP VALLEY WINDS 4 TO 8 MPH.

RIDGE TOP.....SOUTHWEST 10 TO 15 MPH.

HAINES INDEX.....5.

LAL.....2.

MIXING HEIGHT.....17000 FT MSL.

TRANSPORT WINDS.....SOUTHWEST 15 TO 20 MPH.

CHC WETTING RAIN....0%.

.THURSDAY NIGHT...

SKY/WEATHER.....MOSTLY CLEAR.

MIN TEMPERATURE.....

VALLEYS.....56-66.

MID SLOPE.....64-74.

24 HR TREND.....2 DEGREES WARMER.

MAX HUMIDITY.....

VALLEYS.....26-36%.

MID SLOPE.....19-29%.

24 HR TREND.....2% DRIER.

20-FOOT WINDS.....

VALLEYS/SLOPE....DOWNSLOPE/DOWN VALLEY WINDS 2 TO 5 MPH.

RIDGE TOP.....SOUTHWEST 6 TO 12 MPH.

## Fire Weather Zone Forecast

---

HAINES INDEX.....5.  
LAL.....1.  
CHC WETTING RAIN....0%.

.FRIDAY...  
SKY/WEATHER.....MOSTLY SUNNY.  
MAX TEMPERATURE.....  
    VALLEYS.....93-103.  
    MID SLOPE.....88-98.  
    24 HR TREND.....LITTLE CHANGE.  
MIN HUMIDITY.....  
    VALLEYS.....6-11%.  
    MID SLOPE.....9-14%.  
    24 HR TREND.....LITTLE CHANGE.  
20-FOOT WINDS.....  
    VALLEYS/SLOPE....UPSLOPE/UP VALLEY WINDS 4 TO 8 MPH.  
    RIDGE TOP.....SOUTHWEST 6 TO 12 MPH.  
HAINES INDEX.....6.  
LAL.....1.  
MIXING HEIGHT.....17000 FT MSL.  
TRANSPORT WINDS.....SOUTHWEST 10 TO 15 MPH.  
CHC WETTING RAIN....0%.

.EXTENDED...  
.FRIDAY NIGHT...MOSTLY CLEAR. LOWS 54-64. DOWNSLOPE/DOWN VALLEY  
WINDS 2 TO 5 MPH.  
.SATURDAY...MOSTLY SUNNY. HIGHS 97-102. UPSLOPE/UP VALLEY WINDS  
4 TO 8 MPH.  
.SUNDAY...MOSTLY CLEAR. LOWS 54-64. HIGHS 93-103.  
.MONDAY...MOSTLY CLEAR. LOWS 53-63. HIGHS 93-103.  
.TUESDAY...MOSTLY CLEAR. LOWS 52-62. HIGHS 92-102.  
.WEDNESDAY...MOSTLY CLEAR. LOWS 52-62. HIGHS 92-102.

\$\$

.8 TO 14 DAY OUTLOOK FOR (THU AUG 16 THROUGH WED AUG 22)  
NEAR NORMAL TEMPERATURES AND PRECIPITATION.

=  
\$\$

SZATANEK

000  
FNUS55 KREV 082158  
FWFREV

FIRE WEATHER PLANNING FORECAST  
NATIONAL WEATHER SERVICE RENO NV  
258 PM PDT WED AUG 8 2012

.DISCUSSION...HIGH PRESSURE OVER NEVADA AND CALIFORNIA WILL BRING  
NEAR RECORD HIGH TEMPERATURES FOR THE REMAINDER OF THE WEEK.  
HUMIDITY RECOVERY WILL BE POOR TO MODERATE. NOCTURNAL  
THUNDERSTORMS ARE POSSIBLE TONIGHT ACROSS THE CENTRAL BASIN AND  
RANGE. ISOLATED THUNDERSTORMS ARE POSSIBLE THROUGH MONO AND  
MINERAL COUNTIES WITH A FEW STORMS WORKING AS FAR NORTH AS THE

## Fire Weather Zone Forecast

---

SIERRA FRONT AND BASIN AND RANGE THIS WEEKEND EACH AFTERNOON.

NOTE: THUNDERSTORMS IMPLY GUSTY AND ERRATIC WINDS.  
NOTE: PLEASE SEE OPERATING PLAN FOR DETAILED ZONE DESCRIPTIONS  
[HTTP://WWW.WRH.NOAA.GOV/FIREWX/?WFO=REV](http://www.wrh.noaa.gov/firewx/?wfo=rev)

CAZ270-278-NVZ458-091615-  
SURPRISE VALLEY CALIFORNIA-EASTERN LASSEN COUNTY-  
NORTHERN WASHOE COUNTY-  
258 PM PDT WED AUG 8 2012

.TONIGHT...  
SKY/WEATHER.....CLEAR. AREAS OF SMOKE.  
MIN TEMPERATURE.....  
VALLEYS.....50-60...EXCEPT 40-45 COLDEST VALLEYS.  
MID SLOPE.....55-65.  
24 HR TREND.....LITTLE CHANGE.  
MAX HUMIDITY.....  
VALLEYS.....36-46%.  
MID SLOPE.....24-34%.  
24 HR TREND.....LITTLE CHANGE.  
20-FOOT WINDS.....  
VALLEYS/SLOPE...WEST WINDS 10 TO 15 MPH BECOMING DOWNSLOPE 2  
TO 5 MPH.  
RIDGE TOP.....WEST WINDS 15 TO 20 MPH WITH GUSTS 25 TO 30 MPH  
IN THE EVENING BECOMING LIGHT.  
HAINES INDEX.....5.  
LAL.....1.  
CHC WETTING RAIN....0%.

.THURSDAY...  
SKY/WEATHER.....SUNNY. AREAS OF SMOKE.  
MAX TEMPERATURE.....  
VALLEYS.....92-102.  
MID SLOPE.....89-97.  
24 HR TREND.....2 DEGREES WARMER.  
MIN HUMIDITY.....  
VALLEYS.....4-9%.  
MID SLOPE.....5-11%.  
24 HR TREND.....LITTLE CHANGE.  
20-FOOT WINDS.....  
VALLEYS/SLOPE...UPSLOPE 4 TO 8 MPH BECOMING SOUTHWEST 10 TO 15  
MPH IN THE AFTERNOON.  
RIDGE TOP.....SOUTHWEST WINDS 10 TO 15 MPH WITH GUSTS 25 TO  
30 MPH.  
HAINES INDEX.....6.  
LAL.....1.  
MIXING HEIGHT.....16500-17000 FT MSL.  
TRANSPORT WINDS.....SOUTHWEST 15 TO 20 MPH.  
CHC WETTING RAIN....0%.

.THURSDAY NIGHT...  
SKY/WEATHER.....CLEAR. AREAS OF SMOKE AFTER MIDNIGHT.  
MIN TEMPERATURE.....  
VALLEYS.....51-61...EXCEPT 42-47 COLDEST VALLEYS.  
MID SLOPE.....56-66.  
MAX HUMIDITY.....  
VALLEYS.....36-46%.  
MID SLOPE.....24-34%  
20-FOOT WINDS.....  
VALLEYS/SLOPE...WEST WINDS 10 TO 15 MPH IN THE EVENING BECOMING

## Fire Weather Zone Forecast

---

                                  DOWNSLOPE 2 TO 5 MPH.  
RIDGE TOP.....WEST WINDS 15 TO 20 MPH WITH GUSTS 25 TO 30 MPH  
                                  IN THE EVENING BECOMING LIGHT.  
HAINES INDEX.....5.  
LAL.....1.  
CHC WETTING RAIN....0%.

.FRIDAY...  
SKY/WEATHER.....SUNNY. AREAS OF SMOKE IN THE MORNING.  
MAX TEMPERATURE.....  
  VALLEYS.....92-102.  
  MID SLOPE.....88-96.  
MIN HUMIDITY.....  
  VALLEYS.....5-10%.  
  MID SLOPE.....6-11%.  
20-FOOT WINDS.....  
  VALLEYS/SLOPE....UPSLOPE 4 TO 8 MPH BECOMING WEST 10 TO 15 MPH  
                                  IN THE AFTERNOON.  
  RIDGE TOP.....LIGHT WINDS BECOMING WEST 15 TO 20 MPH WITH  
                                  GUSTS 25 TO 30 MPH IN THE AFTERNOON.  
HAINES INDEX.....6.  
LAL.....1.  
MIXING HEIGHT.....17000-17500 FT MSL.  
TRANSPORT WINDS.....SOUTHWEST 10 TO 15 MPH.  
CHC WETTING RAIN....0%.

.EXTENDED...  
.FRIDAY NIGHT...CLEAR. LOWS 53-63. NORTHWEST WINDS AROUND 10 MPH.  
.SATURDAY THROUGH MONDAY...CLEAR. HIGHS 92-102. LOWS 52-62. WEST  
WINDS 10 TO 15 MPH.  
.TUESDAY THROUGH WEDNESDAY...CLEAR. HIGHS 89-99. LOWS 51-61.

\$\$

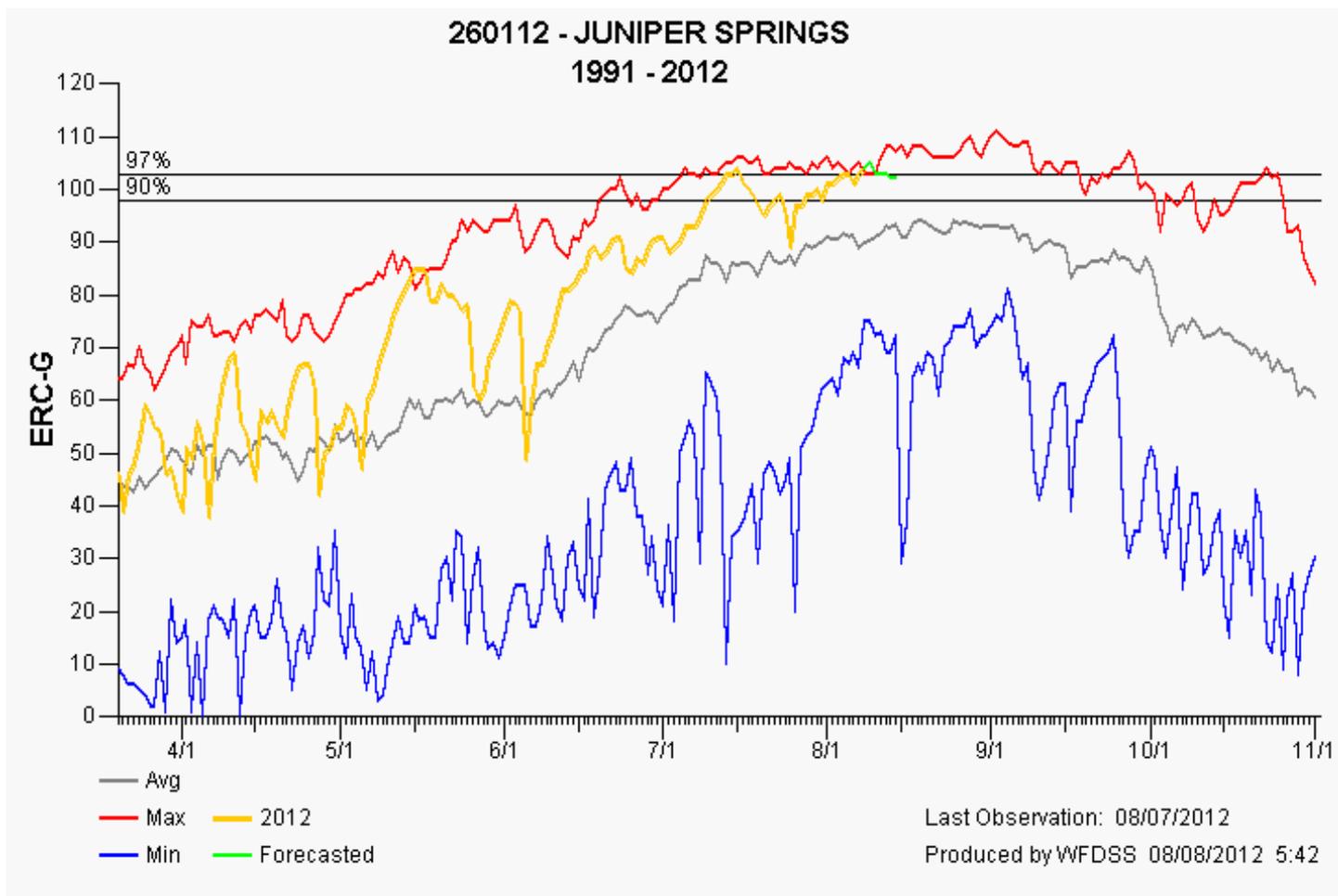
.8 TO 14 DAY OUTLOOK FOR (THU AUG 16 THROUGH WED AUG 22)  
ABOVE NORMAL TEMPERATURES AND NEAR NORMAL PRECIPITATION.

=  
\$\$

[HTTP://WEATHER.GOV/RENO](http://weather.gov/reno)

Fire Danger Rating

Latitude 41.08083 N Longitude 119.77639 W Elevation 1,630 m, 5,348 ft



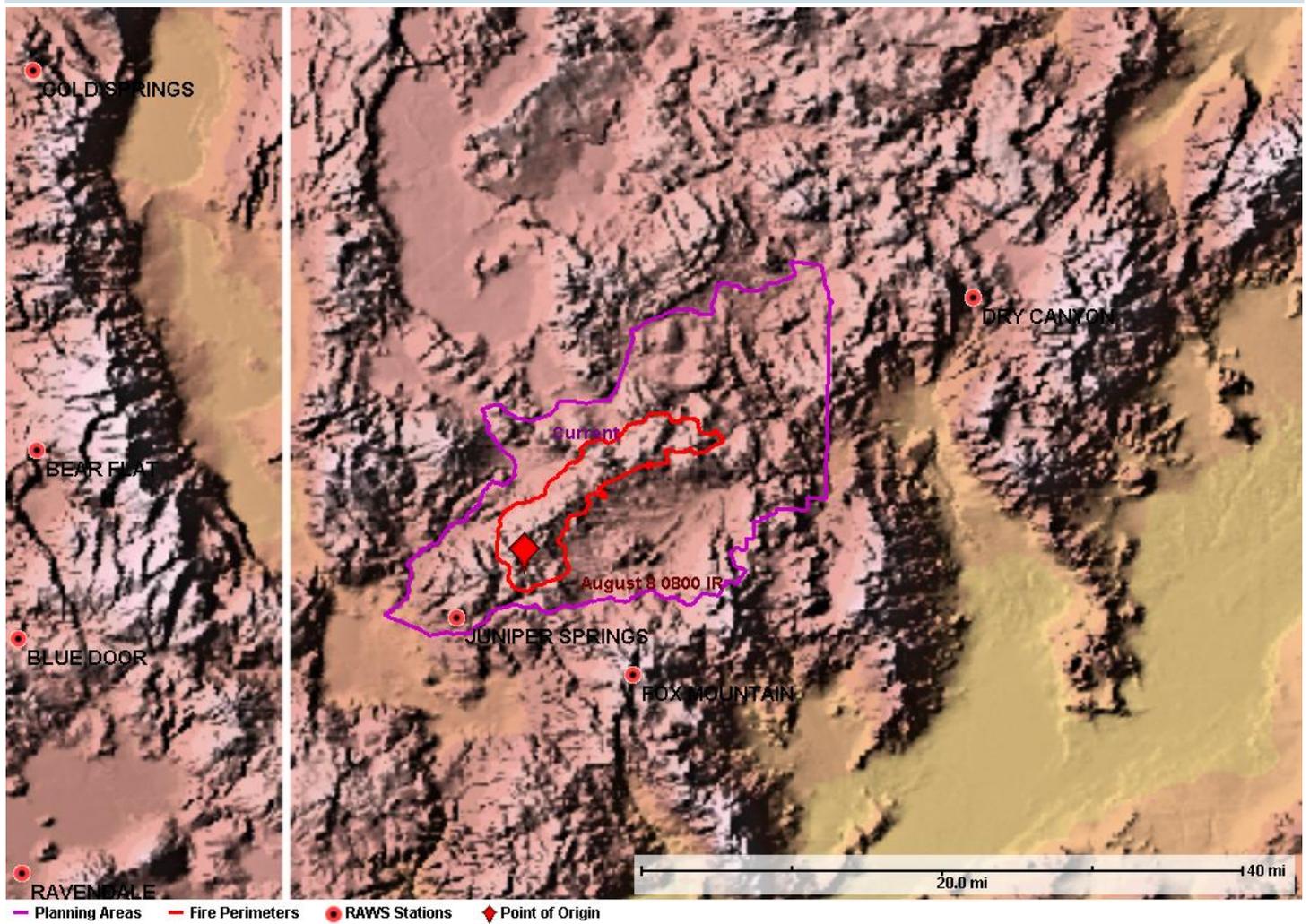
Point: Latitude 41.13686 Longitude -119.69117  
Model: GFS  
Initialization  
Time:

**National FCAMMS Smoke Dispersion Forecast Guidance**

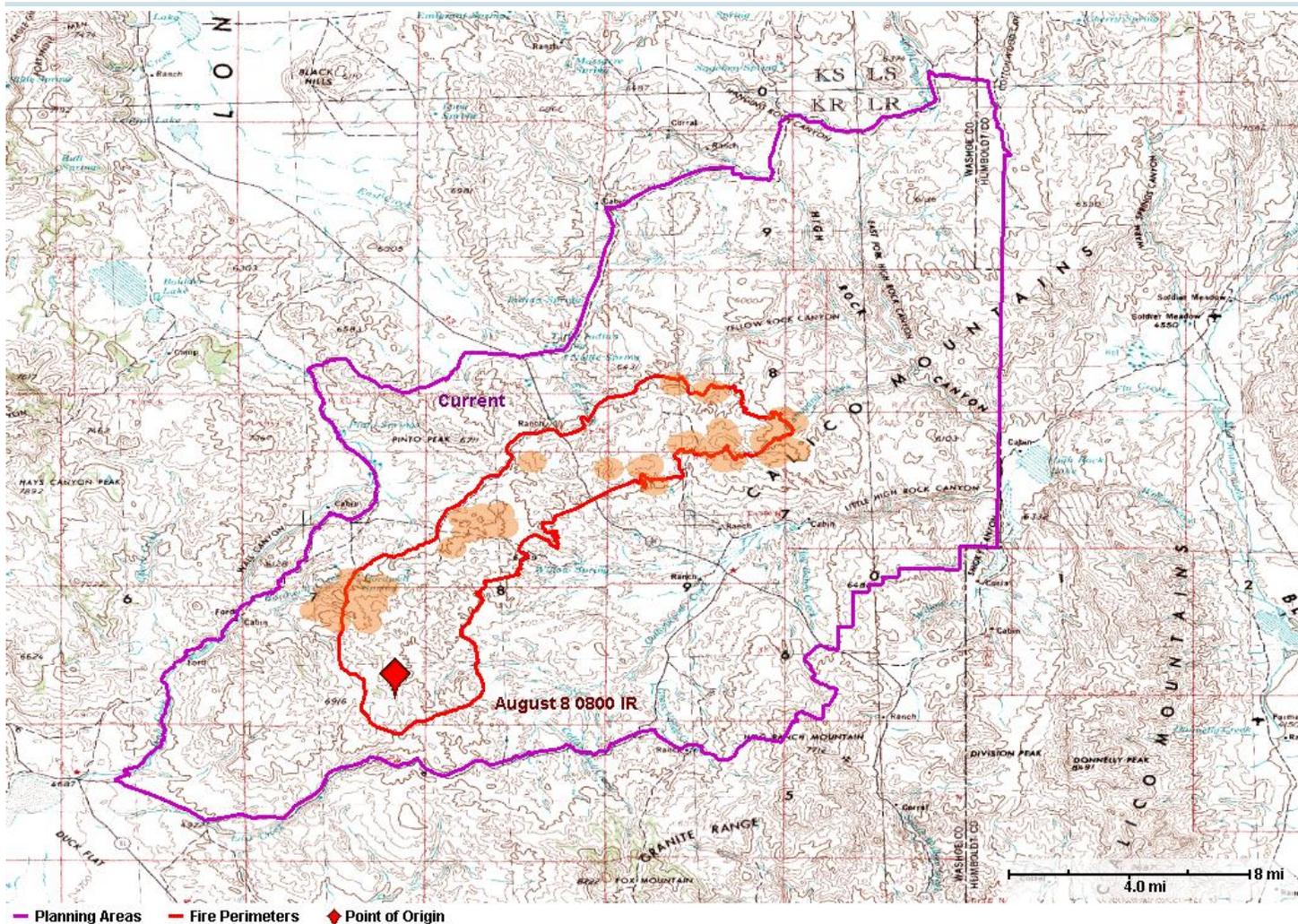
| Forecast date/time (UTC) | Mixing height (ft-agl) | Transport wind speed (kt) | Transport wind direction | Ventilation rate (kt-ft) | Haines Low | Haines Medium | Haines High | PM2.5 surface (ug/m <sup>3</sup> ) |
|--------------------------|------------------------|---------------------------|--------------------------|--------------------------|------------|---------------|-------------|------------------------------------|
| 08/08 00                 | 8456                   | 6                         | 223                      | 47888                    | 5          | 6             | 5           | 0                                  |
| 08/08 03                 | 75                     | 11                        | 299                      | 813                      | 5          | 6             | 5           | 0                                  |
| 08/08 06                 | 72                     | 6                         | 292                      | 453                      | 5          | 6             | 5           | 0                                  |
| 08/08 09                 | 49                     | 5                         | 291                      | 253                      | 5          | 5             | 5           | 0                                  |
| 08/08 12                 | 36                     | 4                         | 283                      | 130                      | 5          | 5             | 4           | 0                                  |
| 08/08 15                 | 519                    | 1                         | 276                      | 547                      | 5          | 5             | 4           | 0                                  |
| 08/08 18                 | 3275                   | 1                         | 292                      | 3780                     | 5          | 6             | 4           | 0                                  |
| 08/08 21                 | 6808                   | 2                         | 259                      | 13345                    | 5          | 6             | 4           | 0                                  |

|          |       |   |     |       |   |   |   |   |
|----------|-------|---|-----|-------|---|---|---|---|
| 08/09 00 | 8503  | 3 | 275 | 25309 | 5 | 6 | 4 | 0 |
| 08/09 03 | 5657  | 5 | 310 | 28743 | 5 | 6 | 5 | 0 |
| 08/09 06 | 33    | 5 | 322 | 154   | 5 | 6 | 5 | 0 |
| 08/09 09 | 23    | 3 | 311 | 76    | 5 | 6 | 5 | 0 |
| 08/09 12 | 20    | 3 | 300 | 60    | 5 | 5 | 5 | 0 |
| 08/09 15 | 421   | 1 | 317 | 388   | 5 | 5 | 4 | 0 |
| 08/09 18 | 2913  | 1 | 327 | 1709  | 5 | 6 | 4 | 0 |
| 08/09 21 | 7517  | 3 | 215 | 19534 | 5 | 6 | 4 | 0 |
| 08/10 00 | 10499 | 4 | 232 | 39840 | 5 | 6 | 6 | 0 |
| 08/10 03 | 20    | 8 | 295 | 154   | 5 | 6 | 5 | 0 |
| 08/10 06 | 46    | 7 | 288 | 330   | 5 | 6 | 5 | 0 |
| 08/10 09 | 46    | 4 | 260 | 200   | 5 | 6 | 6 | 0 |
| 08/10 12 | 16    | 3 | 261 | 49    | 5 | 5 | 5 | 0 |
| 08/10 15 | 483   | 1 | 278 | 394   | 5 | 5 | 5 | 0 |
| 08/10 18 | 3671  | 1 | 240 | 4637  | 5 | 6 | 5 | 0 |
| 08/10 21 | 7361  | 2 | 247 | 16982 | 5 | 6 | 5 | 0 |
| 08/11 00 | 9144  | 3 | 266 | 25641 | 5 | 6 | 5 | 0 |
| 08/11 12 | 3     | 2 | 302 | 7     | 5 | 6 | 6 | 0 |
| 08/11 18 | 3743  | 1 | 168 | 2305  | 5 | 6 | 5 | 0 |
| 08/12 00 | 12167 | 5 | 246 | 58924 | 5 | 6 | 6 | 0 |
| 08/12 06 | 295   | 7 | 278 | 1995  | 5 | 6 | 6 | 0 |
| 08/12 12 | 3     | 4 | 268 | 12    | 5 | 5 | 6 | 0 |
| 08/12 18 | 4286  | 2 | 256 | 10074 | 5 | 6 | 5 | 0 |
| 08/13 00 | 12167 | 6 | 257 | 68510 | 5 | 6 | 6 | 0 |
| 08/13 06 | 3     | 5 | 280 | 17    | 5 | 6 | 5 | 0 |
| 08/13 12 | 3     | 4 | 296 | 12    | 5 | 5 | 4 | 0 |
| 08/13 18 | 3019  | 1 | 340 | 3705  | 5 | 6 | 4 | 0 |
| 08/14 00 | 9040  | 2 | 286 | 20957 | 5 | 6 | 5 | 0 |
| 08/14 06 | 3     | 6 | 1   | 20    | 5 | 6 | 5 | 0 |
| 08/14 12 | 26    | 8 | 18  | 212   | 5 | 5 | 5 | 0 |
| 08/14 18 | 3112  | 2 | 30  | 7586  | 5 | 6 | 4 | 0 |
| 08/15 00 | 9200  | 2 | 327 | 19725 | 5 | 6 | 5 | 0 |
| 08/15 06 | 213   | 4 | 49  | 798   | 5 | 6 | 5 | 0 |
| 08/15 12 | 128   | 3 | 3   | 380   | 5 | 6 | 4 | 0 |

8-8 1400 RAWs Stations



8-8 1400 Active MODIS



1.2.3. Content

| NAME               | VALUE            |
|--------------------|------------------|
| Planning Area Name | 08/08/2012 17:29 |
| Incident Name      | CANOD Lost       |
| Planning Area Size | 330,832 acres    |

Values List

| Category                        | Value         | Data Source                           | Currency   | Coverage                               |
|---------------------------------|---------------|---------------------------------------|------------|--|
| BLM Horse and Burro             | 197,061 acres | BLM                                   | 11/17/2010 | OR, ID, MT, WY, CA, NV, UT, AZ, CO, NM |
| BLM Range Allotments            | 290,399 acres | BLM/NOC                               | 2007       | Western United States                  |
| Building Clusters: Humboldt, NV | 0             | US Counties / FGDC Cadastral Subcomm. |            | Available counties                     |
| Building Clusters: Washoe, NV   | 1             | US Counties / FGDC Cadastral Subcomm. |            | Available counties                     |

## Values List

| Category  | Value         | Data Source                            | Currency              | Coverage  |
|---|---------------|--|-----------------------|---|
| County: Humboldt, NV                              | 5,233 acres   | HSIP 2011, US Census Bureau TIGER data | 07/01/2010            | National  |
| County: Washoe, NV                                | 325,599 acres | HSIP 2011, US Census Bureau TIGER data | 07/01/2010            | National  |
| Electric Transmission Lines                       | 16.7 miles    | HSIP                                   | 11/2011               | National  |
| Jurisdictional Agency: BLM                        | 319,382 acres | Various                                | 08/08/2011            | National  |
| Natl Historic Trails                              | 15.6 miles    | Various                                | varies by data source | National  |
| Sage Grouse General Habitat                       | 6,009 acres   | BLM/NOC                                | 05/2012               | Regional - OR, WA, ID, MT, ND, SD, NV, UT, CO, CA, WY |
| Sage Grouse Priority Habitat                      | 322,304 acres | BLM/NOC                                | 05/2012               | Regional - OR, WA, ID, MT, ND, SD, NV, UT, CO, CA, WY |
| WSA: Wall Canyon WSA                              | 5 acres       | Various                                | 04/07/10              | National  |
| Wilderness: East Fork High Rock Canyon Wilderness | 48,093 acres  | Various                                | 03/12/2012            | National  |
| Wilderness: High Rock Canyon Wilderness           | 46,342 acres  | Various                                | 03/12/2012            | National  |
| Wilderness: High Rock Lake Wilderness             | 1 acres       | Various                                | 03/12/2012            | National  |
| Wilderness: Little High Rock Canyon Wilderness    | 38,497 acres  | Various                                | 03/12/2012            | National  |

## Currency/Coverage of Values Queried that Produced No Results

| Category             | Data Source                         | Currency                    | Coverage                     |
|----------------------|-------------------------------------|-----------------------------|------------------------------|
| BLM Buildings        | GeoCommunicator / Other Sources     | 07/21/2010                  | BLM Lands                    |
| BLM Oil / Gas Leases | BLM/NOC                             | 06/04/2012                  | Western United States        |
| Campgrounds          | BLM (Geocommunicator), USFS (INFRA) | BLM 07/21/10; USFS 02/23/12 | National (BLM and USFS only) |
| Class 1 Airsheds     | NPS Air Resources Division          | Various                     | National                     |
| Communication Towers | FCC                                 | 02/22/2012                  | National                     |

Currency/Coverage of Values Queried that Produced No Results

| Category                    | Data Source   | Currency              | Coverage                   |
|-----------------------------|---|-----------------------|----------------------------|
| Electric Power Plants       | HSIP  | 11/2011               | National                   |
| Electric Sub Stations       | HSIP  | 11/2011               | National                   |
| Habitat                     | FWS Geospatial Services                             | 02/01/2012            | National                   |
| IRA                         | Various   |                       | National                   |
| Mines                       | HSIP  | 11/2011               | National                   |
| NPS Buildings               | NPS (NISC - Resource Information Services Division) | 06/12/2012            | National (incomplete)      |
| NRA                         | Various   | 09/15/2011            | National                   |
| Natl Recreation Trails      | Various   | varies by data source | National                   |
| Natl Scenic Byways          | Various   | varies by data source | National                   |
| Natl Scenic Trails          | NPS, USFWS, USFS                                    | 05/04/2012            | National                   |
| Oil and Gas Pipelines       | HSIP  | 11/2011               | National                   |
| Other Areas                 | Various   | varies by data source | National                   |
| Ozone Non-Attainment        | EPA   | 2009                  | National                   |
| Particulates Non-Attainment | EPA   | 2009                  | National                   |
| Responsible Agency          | Various   | 07/13/2011            | AK, CA, ID, MT, NM         |
| Retardant Avoidance         | USFS Data Warehouse                                 | 12/2011               | National (USFS Units only) |
| Roads                       | ESRI Data and Maps 2010                             | 2010                  | National                   |
| TNC Lands                   | The Nature Conservancy                              | 02/21/2012            | National                   |
| USFS Buildings              | USFS-INFRA  | 02/23/2012            | National                   |
| USFWS Trails                | FWS   | varies by data source | National                   |

## 1.3. Objectives

### 1.3.1. Content

#### Incident FMU List

| Unit  | FMU  | Acres    |
|-------|--|----------|
| CANOD | CABLM-Surprise-02 - Hays   | 77,234.8 |
| CANOD | CABLM-Surprise-03 - Massacre                                     | 108,382  |
| CANOD | CABLM-Surprise-ALL - Apply to multiple FMUs                      | 0        |
| CANOD | CABLM-Surprise-Wilderness - Mgmt Requirements for BLM Wilderness | 0        |
| CANOD | NVBLM-NOD DPA-01 - Black Rock, High Rock NCA - Winnemucca FO     | 134,345  |
| NVWID | NV_02_09   | 189.5    |
| NVWID | NV_02_26 - Granite   | 0.4      |

#### Incident Objective List

| Active     | Inactive | Incident Objective   |
|------------|----------|--|
| 08/06/2012 |          | Minimize impacts to sage grouse priority habitat and general habitat   |
| 08/07/2012 |          | Aggressively suppress the fire to minimize impacts to the energy transmission line that runs through the fire perimeter  |
| 08/07/2012 |          | Provide for the protection of private property, associated improvements, and infrastructure. Prevent the loss of structures where possible.  |
| 08/07/2012 |          | Minimize loss of high value habitat to include preliminary priority sage grouse habitat, mule deer winter and summer range, big horn sheep habitat, and Wall Canyon sucker habitat, and antelope range.  |
| 08/07/2012 |          | Minimize or mitigate threats to known cultural resources and utilize trained resource advisors / archaeologists to avoid sensitive areas.  |
| 08/07/2012 |          | Minimize threats and impacts to riparian areas, critical watershed, aspen stands, and other high value natural resources.  |
| 08/07/2012 |          | Minimize impacts to grazing allotments and associated improvements, work closely with permittee(s) to identify concerns.   |
| 08/07/2012 |          | Minimize potential for noxious / invasive species after burn by working with Resource Advisor to identify mitigation measures.   |
| 08/07/2012 |          | Utilize appropriate suppression methods to keep the fire to the smallest possible size where safe and possible to do so.   |
| 08/07/2012 |          | When needed post and enforce speed limits (e.g., 25 miles per hour) to reduce airborne fugitive dust and to provide for project safety.  |
| 08/07/2012 |          | Evaluate all suppression activities to determine appropriate repair.   |
| 08/08/2012 |          | <p>Incident objectives are:</p> <ol style="list-style-type: none"> <li>1. Keep the fire South of northern boundary of the High Rock Canyon Wilderness, Indian Springs Road, and the Antelope Springs Road</li> <li>2. Keep the fire West of Washoe/Humboldt County line and the southern portion of the 34 Road</li> <li>3. Keep the fire North of Lost Creek Road and Leadville Road</li> </ol> |

## Incident Objective List

| Active     | Inactive | Incident Objective  |
|------------|----------|---|
|            |          | 4. Keep the fire East of Wall Canyon Wilderness Study Area and Wall Canyon Creek  |
| 08/08/2012 |          | <p>Minimize impacts to:</p> <ul style="list-style-type: none"> <li>• Little High Rock Canyon Wilderness</li> <li>• High Rock Canyon Wilderness</li> <li>• East Fork High Rock Canyon Wilderness</li> <li>• Emigrant Trails Area of Critical Environmental Concerns (ACEC)</li> <li>• Sage grouse habitat</li> <li>• Cultural resource sites</li> <li>• Natural springs</li> <li>• Grazing allotments</li> <li>• Wild Horse Habitat Management Areas</li> <li>• Habitat for game and BLM sensitive wildlife species</li> </ul>   |
| 08/08/2012 |          | <p>Implement area, road, and trail closures as necessary to protect the health and safety of the public, permittees, contractors, and cooperators.</p> <ul style="list-style-type: none"> <li>• Implement road closure of Road 34 north and south of fire suppression operations.</li> </ul>  |
| 08/08/2012 |          | <p>While performing fire operation activities within the Emigrant Trails National Conservation Area (Little High Rock Canyon Wilderness, East Fork High Rock Canyon Wilderness, and High Rock Canyon Wilderness) utilize MIST tactics to the greatest extent possible.</p> <ul style="list-style-type: none"> <li>• The use of retardant is allowed within the Surprise Field Office portion of the NCA.</li> <li>• The use of dozers within the NCA (including Little High Rock Canyon Wilderness, East Fork High Rock Canyon Wilderness, and High Rock Canyon Wilderness) is approved by the Nevada State Director and the California State Director, in accordance with an approved plan developed through the Surprise Field Office.</li> </ul> |

## Incident Requirement List

| Active     | Inactive | Incident Requirement  |
|------------|----------|---|
| 08/06/2012 |          | <p>Sage Grouse Best Management Practices</p> <ul style="list-style-type: none"> <li>• Minimize unnecessary cross-country vehicle travel during fire operations in sage-grouse habitat</li> <li>• Minimize burnout operations in key sage-grouse habitat areas by constructing direct fireline whenever safe and practical to do so.</li> <li>• As safety allows, conduct mop-up where black adjoins unburned islands, dog legs, or other habitat features to minimize sagebrush loss.</li> <li>• To the extent possible, locate wildfire suppression facilities (i.e., base camps, spike camps, drop points, staging areas, heli-bases) in areas where physical disturbance to sage-grouse habitat can be minimized.</li> </ul> |

## Incident Requirement List

| Active     | Inactive | Incident Requirement   |
|------------|----------|--|
|            |          | <p>These include disturbed areas, grasslands, near roads/trails or in other areas where there is existing disturbance or minimal sage brush cover.</p> <ul style="list-style-type: none"> <li>• Power-wash all firefighting vehicles, to the extent possible, including engines, water tenders, personnel vehicles, and ATVs prior to deploying in or near sage-grouse habitat areas to minimize noxious weed spread.</li> </ul>   |
| 08/07/2012 |          | Utilize as many naturally occurring fire barriers and the existing trail and road system to aid in fire suppression actions when possible.   |
| 08/07/2012 |          | Suppress wildfire in sensitive vegetation communities (e.g. sagebrush, mahogany, bitterbrush) to reduce the detrimental effects on priority wildlife (sage grouse, mule deer, pronghorn, big horn) dependent on those communities. Firefighter safety is a primary concern due to the high rates of spread in this fuel type.  |
| 08/07/2012 |          | Avoid the application of fire retardant or foam within 300 feet of a stream channel or waterway, when possible, except for the protection of life and property. Aerial application and use of retardants and foams would be consistent with national policy guidelines established by the National Office of Fire and Aviation, as amended.  |
| 08/07/2012 |          | All springs will be avoided during line construction. There will be no line construction within 100 feet of any spring location.   |
| 08/07/2012 |          | <p>When observable cultural resources are encountered, leave them intact and document there location. If a READ is available on the fire, notify them immediately. If cultural resources are encountered during line construction, avoid where possible based on terrain and safety.</p> <ul style="list-style-type: none"> <li>• Provided all documentation to the IMT, at the end of each operational shift.</li> <li>• GPS all line construction to assist the Field Office Cultural Resource Specialist in locating sites that may have been impacted during line construction.</li> </ul>   |
| 08/07/2012 |          | <p>Do not remove water from any existing sources such as springs or reservoir, except for immediate safety concerns. If water is removed from a spring or well for safety reasons, document the location and amount. Notify the BLM Agency Administrator so that arrangements can be made to replace the water used within a timely manner.</p> <ul style="list-style-type: none"> <li>• No water will be removed from Wall Canyon Creek under any circumstances due to BLM sensitive species located within the creek.</li> <li>• EXCEPTION: Water can be removed from Wall Canyon Upper Reservoir, based on local agreements.</li> </ul> |
| 08/07/2012 |          | Any mechanized equipment used outside designated wilderness, wilderness study areas (WSA), or areas of critical environmental concern (ACEC) will require Resource Advisor involvement. Any mechanized equipment used within designated wilderness or wilderness study areas (WSA will require Agency Administrator approval.  |

## Incident Requirement List

| Active     | Inactive | Incident Requirement   |
|------------|----------|--|
| 08/07/2012 |          | Monitor smoke impacts to the public and small communities, isolated ranches that could be affected by the incident.  |
| 08/07/2012 |          | Provide for the safety of all personnel assigned to the incident. Assure that safety of firefighter, aviation, support personnel, and public is the highest priority at all times for the duration of the incident.  |
| 08/07/2012 |          | <p><u>Wall Canyon Sucker (fish) BLM sensitive species</u></p> <p>No dozer line will be constructed across Wall Canyon Creek or along the slope of the drainage for Wall Canyon Creek without prior approval from the BLM Agency Administrator.</p>   |
| 08/07/2012 |          | <p><u>Suppression Repair</u></p> <p>A suppression plan will be prepared and provided to the IMT for implementation on the fire, when appropriate.</p>  |
| 08/08/2012 |          | <p>Wilderness / Wilderness Study Areas:</p> <ul style="list-style-type: none"> <li>• The use of bulldozers for wildland suppression requires BLM State Director authorization; either directly or through delegation to another authorized official.</li> <li>• Aircraft, motorized vehicles, and mechanized equipment may only be used in special or emergency cases involving public welfare of wilderness visitors, protection or wilderness values, or situations that threaten life, property, and public welfare.</li> <li>• Suppression actions must be executed to minimize surface disturbance and alterations of the natural landscape. Methods and equipment which least alter the landscape or disturb the land surface are considered the best.</li> <li>• Suppression structures and improvements must be located outside the wilderness, except those that are the minimum necessary to protect life, property, public welfare, and wilderness objectives.</li> <li>• Use Minimum Impact Suppression Tactics (MIST).</li> <li>• All equipment used for fire suppression activities must be removed upon completion of use and all sites must be rehabilitated to as natural a state as possible.</li> <li>• Helibases, helisports, and camps requiring motorized access should be located outside of the wilderness area unless authorized by the Agency Administrator. Where possible, avoid establishing spike or coyote camps in wilderness and wilderness study areas.</li> </ul> |
| 08/08/2012 |          | Work with the assigned Resource Advisor(s) (READ) to coordinate concerns regarding federally protected species and cultural and natural resources.   |
| 08/08/2012 |          | <p>Water hauling:</p> <ul style="list-style-type: none"> <li>• Place water haul sites at least 0.5 mile away from riparian areas, cultural sites, and special status species locations.</li> </ul>   |

## Strategic Objective List

| Unit/FMU                        | Active     | Strategic Objective   |
|---------------------------------|------------|---|
| CANOD/<br>CABLM-<br>Surprise-02 | 06/07/2010 | <ul style="list-style-type: none"> <li>• Restore the natural fire regime (35 to 100 year cycle, mixed severity) or use prescribed fire to mimic the effects of a natural fire regime in areas over 5500' in elevation (areas less prone to cheatgrass dominance).</li> <li>• Utilize wildland fire to limit the encroachment of juniper into sagebrush, bitterbrush, aspen, mahogany, riparian, and timber communities.</li> <li>• Suppress fires to protect critical habitat for Sage Grouse and other sagebrush obligate species.</li> <li>• Protect timber and high elevation Mule Deer and Bighorn Sheep habitat by promoting smaller patch size and a mosaic of fire scars, and keeping large destructive fires to a minimum.</li> </ul>   |
| CANOD/<br>CABLM-<br>Surprise-03 | 06/07/2010 | <ul style="list-style-type: none"> <li>• Prevent future conversion of Big Sagebrush sites to Cheatgrass by aggressively suppressing fires within these vegetation types.</li> <li>• Suppress fires to protect critical habitat for Sage Grouse and other sagebrush obligate species.</li> <li>• Protect cultural sites from impacts of high intensity wildfires and mechanical disturbance where possible.</li> <li>• Provide aggressive initial attack in critical use areas, such as big game birthing grounds, critical winter range and sensitive plant communities.</li> </ul>   |
| CANOD/<br>NVBLM-NOD<br>DPA-01   | 06/07/2010 | <ul style="list-style-type: none"> <li>• To retain all existing aspen clones, to expand the area occupied by existing aspen stands where possible, and to achieve mixed age classes in stands over the life of the plan.</li> <li>• To prevent the total acres dominated by invasive annual species (Cheatgrass and other similar plants) within the planning area from increasing over the life of the plan.</li> <li>• To retain sagebrush communities on at least 75 percent of the potential sagebrush habitat in the planning area with sagebrush cover sufficient to support sagebrush-dependent wildlife species.</li> <li>• Minimize impacts to high value habitat (Sage Grouse, LCT, Desert Dace).</li> <li>• Protect identified cultural and historic sites.</li> </ul>   |
| NVWID                           | 10/01/2011 | <ul style="list-style-type: none"> <li>• To minimize wildfire damage to life, property and resources. (Planning document reference: Paradise-Denio MFP, 1982)</li> <li>• Utilize existing barriers/breaks to halt fire spread to the extent practicable.</li> <li>• Minimize/mitigate impacts to cultural resources and pristine vegetative communities.</li> <li>• Avoid whenever possible burning out unburned islands of native vegetation.</li> <li>• Special Fire Mgt. Considerations/Areas: Resource advisors will be required on scene.</li> <li>• For resource protection the priorities in order of importance are: threatened and endangered species habitat, sensitive species habitat, and wildlife habitat (i.e. sage-grouse leks, nesting, brood rearing and winter habitat; and Bighorn sheep, Mule deer, and pronghorn habitat).</li> </ul> |

## Strategic Objective List

| Unit/FMU           | Active     | Strategic Objective   |
|--------------------|------------|---|
| NVWID/<br>NV_02_26 | 07/27/2010 | <ul style="list-style-type: none"> <li>• Protect adjacent functioning ecosystems (sagebrush habitat, designated critical habitat, habitats for federally listed, BLM sensitive, state listed, and/or federal candidate species).</li> <li>• To minimize wildfire damage to life, property and resources. (Planning Document Reference: Sonoma-Gerlach MFP, 1982)</li> <li>• Utilize existing barriers/breaks to halt fire spread to the extent practicable.</li> <li>• Minimize/mitigate impacts to cultural resources and pristine vegetative communities.</li> <li>• Avoid whenever possible burning out unburned islands of native vegetation.</li> <li>• A resource advisor will be appointed for the resource area. Whenever possible the resource advisor will locate fire lines to minimize impact.</li> <li>• For resource protection the priorities in order of importance are: threatened and endangered species habitat, sensitive species habitat, and wildlife habitat (i.e. sage-grouse leks, nesting, brood rearing and winter habitat; and Bighorn sheep, Mule deer, and pronghorn habitat).</li> <li>• Protect adjacent functioning ecosystems (sagebrush habitat, designated critical habitat, habitats for federally listed, BLM sensitive, state listed, and/or federal candidate species).</li> <li>• Protect sage-grouse strutting grounds and give proper consideration to other sage-grouse habitat by accepting as guidance Nevada Department of Wildlife's Guidelines for Vegetal Control Programs in Sage Grouse Habitat. (Planning Document Reference: Sonoma-Gerlach MFP, 1982)</li> </ul> |

## Management Requirement List

| Unit/FMU                         | Active     | Management Requirement  |
|----------------------------------|------------|---|
| CANOD/<br>CABLM-<br>Surprise-ALL | 06/07/2010 | Provide for firefighter and public safety.  |
| CANOD/<br>CABLM-<br>Surprise-ALL | 06/07/2010 | Fire retardant will not be applied within 300 feet of streams, wetlands, ponds, springs, or riparian areas.   |
| CANOD/<br>CABLM-<br>Surprise-ALL | 06/07/2010 | Tailor strategies and tactics to avoid areas with significant constraints including critical wildlife habitat, T&E species, areas of soil instability, areas with cultural resource value and sensitive plant communities.  |
| CANOD/<br>CABLM-<br>Surprise-ALL | 06/07/2010 | Large islands of remaining vegetation between the fire line and already burned areas will not be "burned out", as these areas become extremely important to wildlife and for post fire seed sources for years following a large fire. This same rationale can be applied to snags and logs which are used by many birds and small mammals. Cold trail and leave intact wherever possible. |

Management Requirement List

| Unit/FMU                                    | Active     | Management Requirement   |
|---|------------|--|
| CANOD/<br>CABLM-<br>Surprise-ALL            | 06/07/2010 | To prevent cross contamination between natural and manmade water sources helicopters with buckets should not draw water from multiple sources, but use a single source.  |
| CANOD/<br>CABLM-<br>Surprise-ALL            | 06/07/2010 | <b>District Manager or Field Office Manager approval</b> is required for dozer use in ACECs and special designation areas.   |
| CANOD/<br>CABLM-<br>Surprise-ALL            | 06/07/2010 | Provide for aggressive initial attack along the Wildland Urban Interface and for scattered in-holdings.  |
| CANOD/<br>CABLM-<br>Surprise-ALL            | 06/07/2010 | In areas where cultural sites are known or suspected to occur, heavy equipment use will not be allowed.  |
| CANOD/<br>CABLM-<br>Surprise-<br>Wilderness | 06/07/2010 | <p><b>BLM State Director approval is required for the use of Dozers</b> in BLM Wilderness and Wilderness Study Areas.</p> <p><b>District Manager or Field Office Manger approval is required</b> for use of other mechanical equipment in Wilderness or WSA, including aircraft, motorized vehicles, chainsaws, pumps, other mechanized equipment, helispots, and spike camps.</p> <p>Suppression actions within wilderness and wilderness study areas must be executed to minimize surface disturbance and alterations of the natural landscape. Use MIST protocols within wilderness and wilderness study areas, as described in the Incident Response Pocket Guide.</p> <p>Fire camps, support facilities, and helibases must be located outside the wilderness.</p> <p>Approved spike camp operations or helispots within wilderness and wilderness study areas must be removed upon completion of use and all sites must be rehabilitated to as natural a state as possible.</p> <p>Lop and scatter any cut brush or tree limbs. Cut stumps and brush stobs flush with ground and camouflage with organic matter.</p> |
| CANOD/<br>NVBLM-NOD<br>DPA-01               | 06/07/2010 | <p>Provide for firefighter and public safety.</p> <p>Request a Resource Advisor from Winnemucca FO. This is a Special Fire Management Area with specific considerations.</p>   |
| NVWID/<br>NV_02_26                          | 07/27/2010 | <ul style="list-style-type: none"> <li>• Provide for firefighter and public safety.</li> <li>• Contain fire at smallest possible acreage.</li> <li>• Minimize impacts to functioning ecosystems from suppression actions to the extent possible.</li> <li>• Suppression/Protection Priorities: Appropriate management response is determined by objective priorities. The priorities in order are: <ul style="list-style-type: none"> <li>• life safety</li> <li>• property protection</li> <li>• resource protection</li> </ul> </li> </ul>   |

## Management Requirement List

| Unit/FMU | Active | Management Requirement   |
|----------|--------|--|
|          |        | <ul style="list-style-type: none"><li>• Fire lines will not be constructed by heavy equipment along riparian stream zones and fire retardant will not be applied within 300 feet of waters.</li></ul> <p>(Planning Document Reference: Sonoma-Gerlach MFP, 1982)</p> |

## 1.4. Course of Action

### 1.4.1. Content

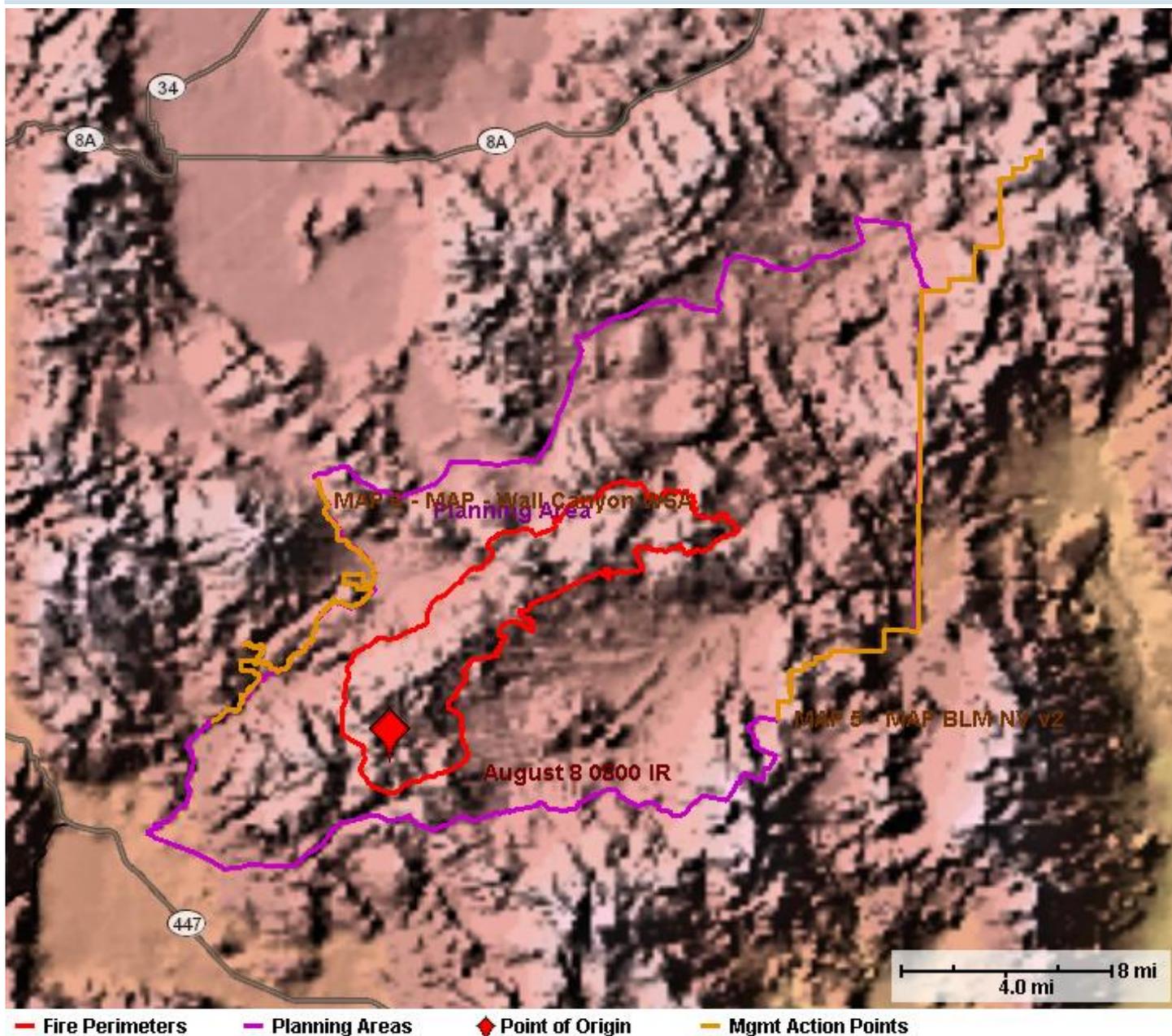
#### Estimated Cost

| NAME           | VALUE       |
|----------------|-------------|
| Estimated Cost | \$4,500,000 |
| Method(s) Used | Other       |

#### Course of Action

| Active     | Inactive | Action Item  |
|------------|----------|--|
| 08/07/2012 |          | Utilize appropriate suppression methods to keep the fire to the smallest possible size.  |
| 08/07/2012 |          | Scout for contingency lines on the west, north and east flanks of the fire.  |
| 08/07/2012 |          | Where steep, treacherous terrain results in unacceptable risk exposure to firefighters, use previously identified contingency lines as primary containment lines for indirect line and burnout operations.                           |
| 08/08/2012 |          | Apply direct attack and indirect attack tactics to minimize loss of and/or impacts to critical habitat for sage grouse, Wall Canyon sucker, mule deer, pronghorn, and big horn sheep.  |
| 08/08/2012 |          | Use retardant and hand line to contain fire spread within the Emigrant Trails Natural Conservation Area.   |
| 08/08/2012 |          | Use dozers within the High Rock Canyon Wilderness, Little High Rock Canyon Wilderness, and the East Fork High Rock Canyon Wilderness to contain fire spread, based on the approved plan developed through the Surprise Field Office. |

Management Action Points Map Image



Management Action Point 3

| NAME          | VALUE      |
|---------------|------------|
| Incident Name | CANOD Lost |
| Cost          |            |
| Shape         |            |
| Activated     | 08/07/2012 |
| Deactivated   |            |

Condition

If significant indirect line construction and burning operations are needed to contain the fire.

### Management Action Point 3

---

#### Actions

A new decision will be required and additional management requirements will be added.

#### Resources

### Management Action Point 5

---

| NAME          | VALUE         |
|---------------|---------------|
| Incident Name | CANOD Lost    |
| Cost          | \$2,000,000   |
| Shape         | MAP BLM NV v2 |
| Activated     | 08/08/2012    |
| Deactivated   |               |

#### Condition

Fire burns into Direct Protection Area for Winnemucca District Office, BLM Nevada.

#### Actions

A new decision will be required. The new decision will include objectives and requirements for lands under protection by Winnemucca District Office, BLM Nevada. The Agency Administrator for the Winnemucca District Office will be included as an approver within the WFDSS Decision.

The request for a Type 1 Incident Management Team will be evaluated.

#### Resources

Additional resources will be needed to contain the spread of the fire further into Nevada. Existing resources currently are inadequate to contain the existing forward progression bases on predicted weather and inaccessibility of the High Rock Black Rock NCA.

If a Type 1 Incident Management Team is required based on a complexity analysis, an order will be place to double the amount of suppression and support resources till a Type 1 Incident Management Team could be in place to evaluate appropriate resource needs based on current and predicted fire spread and severity; and availability of suppression resources within the Northern California GACC and Western Great Basin GACC.

### Management Action Point 6

---

| NAME          | VALUE      |
|---------------|------------|
| Incident Name | CANOD Lost |

## Management Action Point 6

---

Cost

Shape MAP - Wall Canyon WSA

Activated 08/08/2012

Deactivated

### Condition

Fire burns into Wall Canyon WSA.

### Actions

A new decision will be required and additional management requirements will be followed to minimize impacts within the WSA from suppression activities.

### Resources

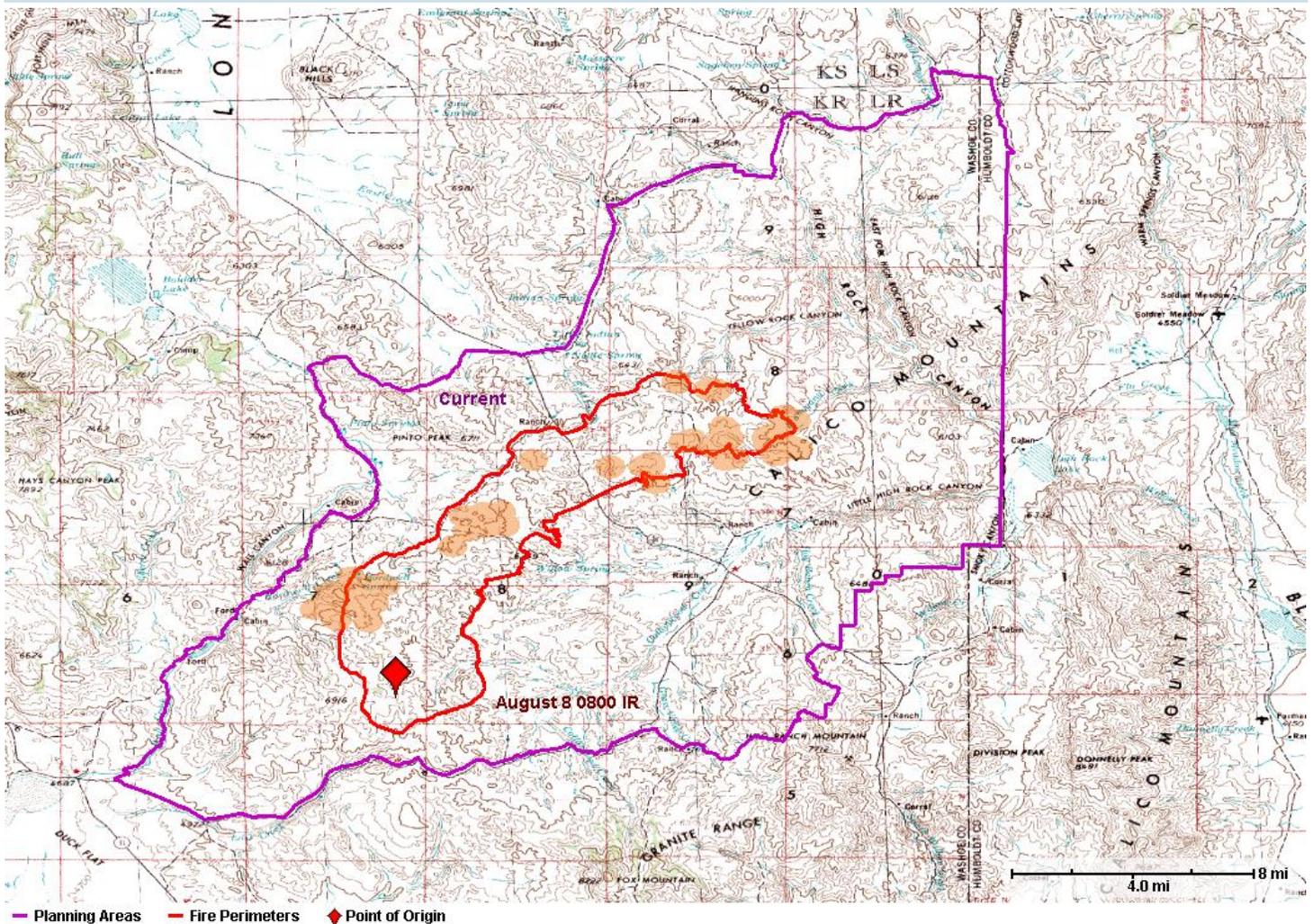
# 1.5. Validation

## 1.5.1. Content

### Validation History

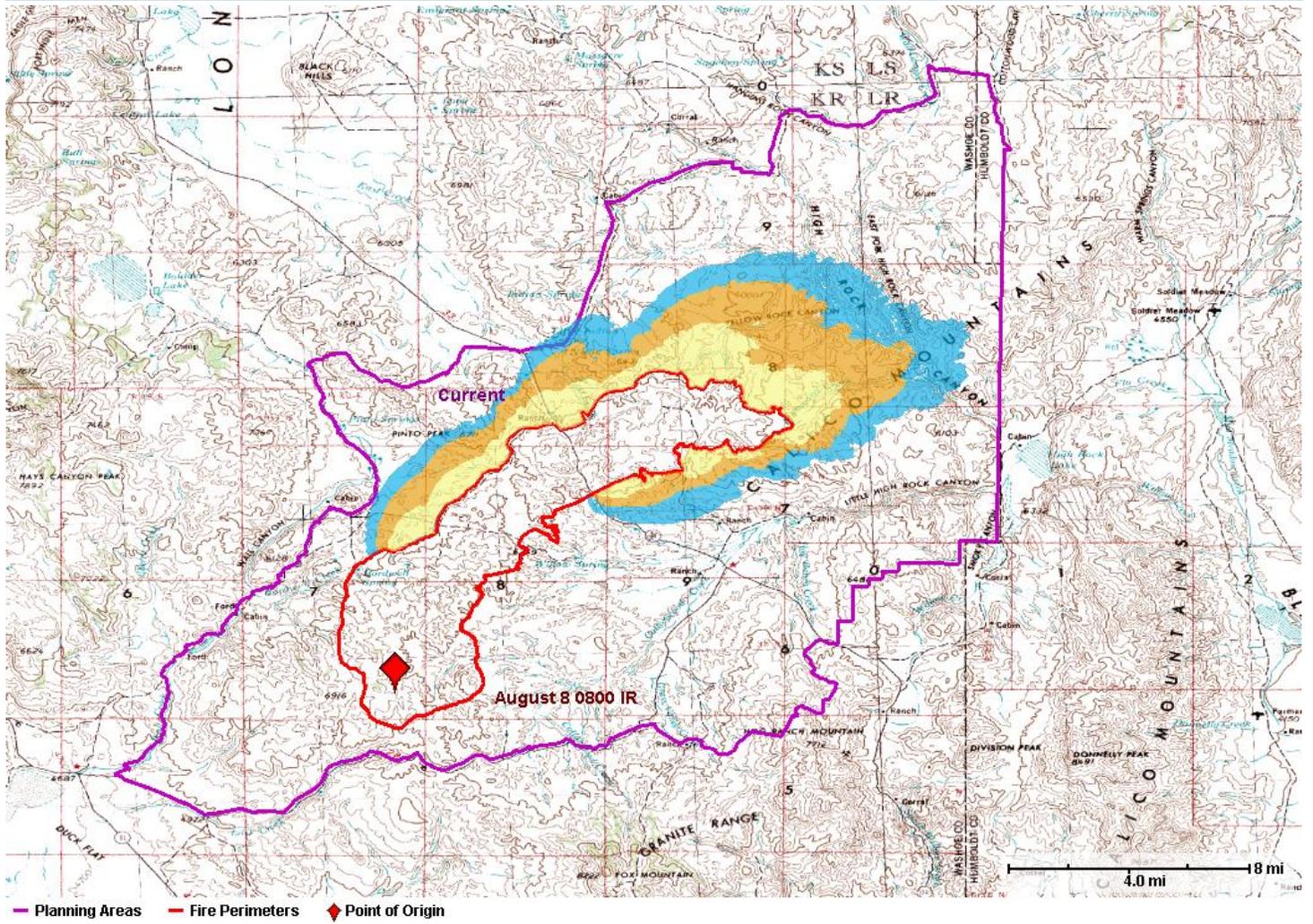
| Date (CDT)       | User          | Action  | Comments   |
|------------------|---------------|---|--|
| 08/08/2012 00:59 | Newman, James | Decision created  |  |
| 08/08/2012 15:39 | Newman, James | The proposed Course of Action will satisfy the Objectives | Full and aggressive suppression of this fire is clearly indicated due to season severity, time of year, values at risk, forecasted weather, and logistical/operational needs to support the expected need of suppression resources required to contain the fire. |

### 8-8 1400 Active MODIS

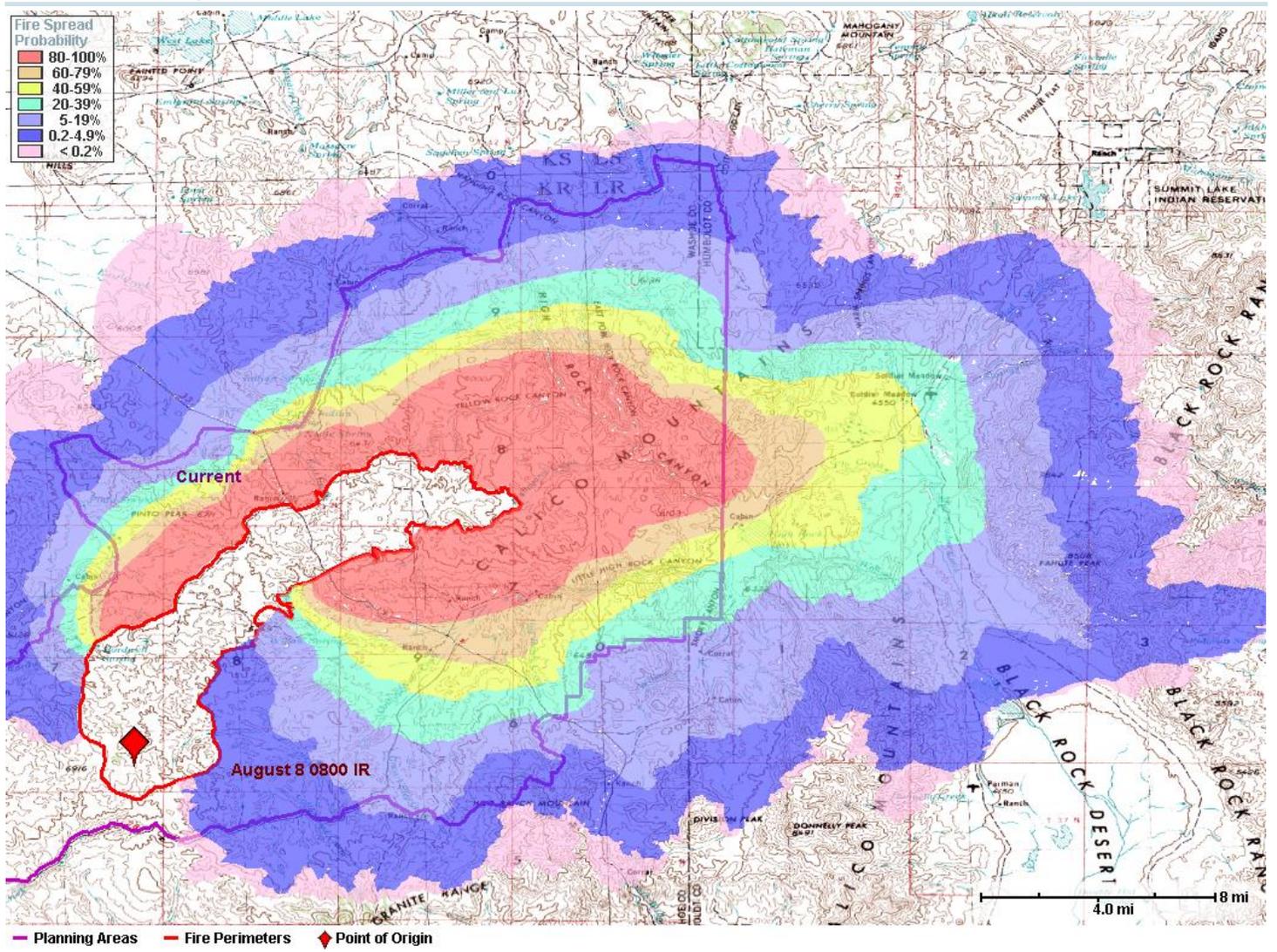


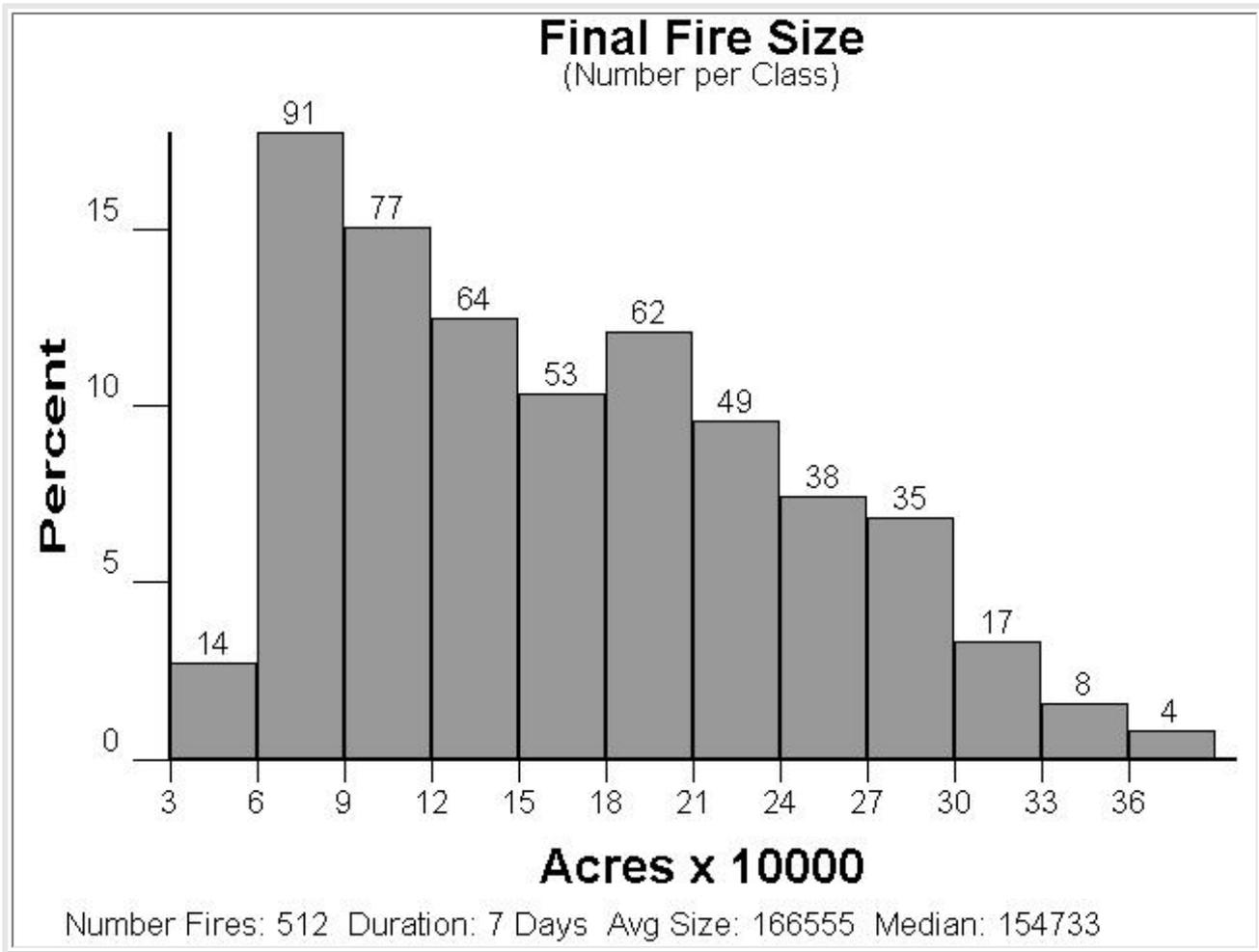
Active MODIS. Developed at 1400 on 8/8/12.

# 8-8 1400 Near Term



# 8-8 FSPro Analysis





#### FSPro Fire Sizes

| FIRE SIZE       | ACRES   |
|-----------------|---------|
| Average Size    | 166,555 |
| 90th Percentile | 281,196 |
| 70th Percentile | 209,510 |
| 50th Percentile | 154,733 |
| 30th Percentile | 110,421 |
| 10th Percentile | 71,649  |
| Largest Fire    | 386,862 |

#### Relative Risk

| NAME          | VALUE                |
|---------------|----------------------|
| Relative Risk | High                 |
| Duration      | Long                 |
| Saved By      | Newman, James        |
| Completed     | 08/08/2012 14:51 CDT |

## Relative Risk Notes

Due to fire burning in the middle of the historic fire season and the topographically challenging area the fire is burning within, a Type 2 Incident Management Team is managing this incident for the Surprise Field Office, BLM California.

## Hazards Notes

The fire is continuing to experience rapid growth daily. Non-normal weather conditions for this time of year. Higher potential for large and long duration fires. Live fuel moistures are lower than normal for this time of year.

## Values Notes

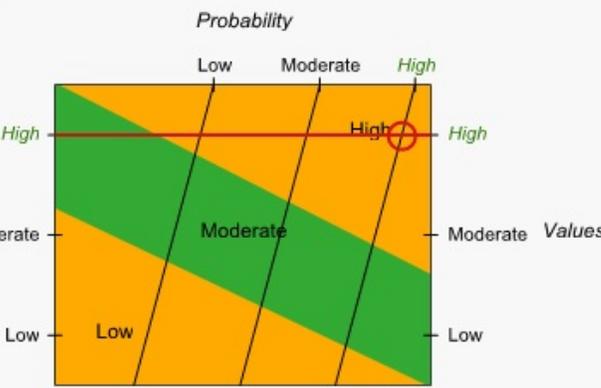
The fire is currently burning in priority habitat for sage grouse, with the potential to impact larger areas of sage grouse priority and general habitat, containing active lek sites. Priority sage grouse throughout the whole planning area. Energy transmission line to southern california. Cultural resources sites located throughout the planning area. The fire has moved into the Black Rock High Rock NCA.

## Probability Notes

There are a moderate amount of natural and man-made barriers around the current fire perimeter. The seasonal severity is very high based on the low live and dead fuel moistures through the planning area.

### 8 8 1400 Relative Risk Main Table

#### Relative Risk



The diagram is a 3x3 matrix with 'Hazards' on the vertical axis (Low, Moderate, High) and 'Probability' on the horizontal axis (Low, Moderate, High). The diagonal cells are green and labeled 'Low', 'Moderate', and 'High' from bottom-left to top-right. The off-diagonal cells are orange. A red circle is placed in the 'High' hazard and 'High' probability cell.

|               |                         |
|---------------|-------------------------|
| Relative Risk | Potential Fire Duration |
| <b>High</b>   | Long                    |
| Saved By      | Assessment Completed    |
| Newman, James | 08/08/2012 14:51 CDT    |

Relative Risk Notes

Due to fire burning in the middle of the historic fire season and the topographically challenging area the fire is burning within, a Type 2 Incident Management Team is managing this incident for the Surprise Field

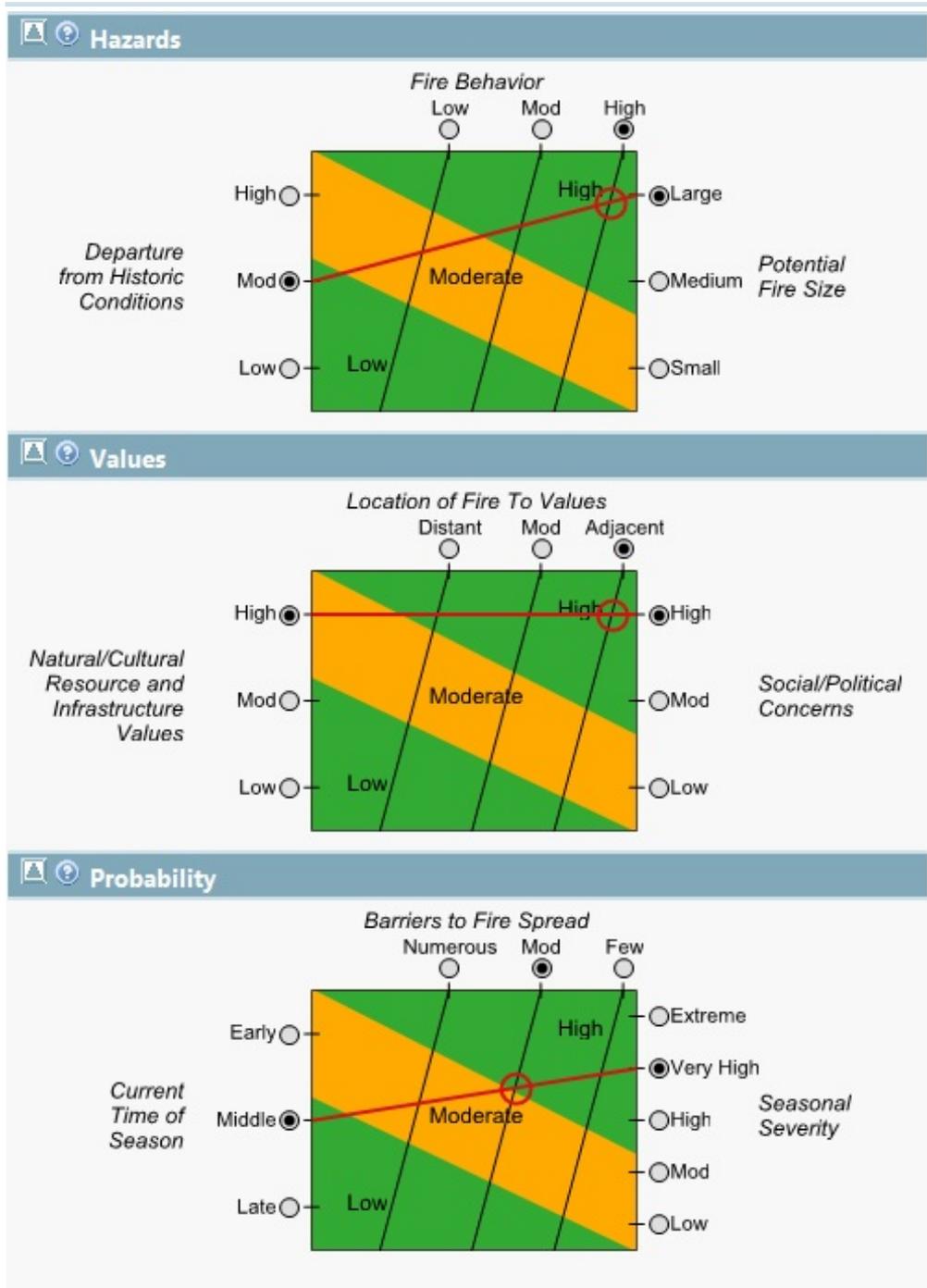
\*Potential Fire Duration

Short  Medium  Long

Estimate the Potential Duration from today.

Select the appropriate radio buttons for Hazards, Values, and Probability to calculate the Relative Risk.

Use 'Continue' to complete your Relative Risk Assessment



What are the critical values at risk?

**Values at Risk – Within the Planning Area**

- 200 KV Energy Transmission Line
- Pristine Sage Grouse habitat
- Black Rock Desert - High Rock Canyon Emigrant Trails Natural Conservation Area
  - Little High Rock Canyon Wilderness
  - High Rock Canyon Wilderness
  - East Fork High Rock Canyon Wilderness

- Cultural resources
- Emigrant Trails ACEC
- Fox-Hog Wild Horse Habitat Management Areas (HMA)
- Active grazing allotments
  - Duck Lake
  - Bare
  - Wall Canyon West
  - Home Camp

### **Values at Risk – Outside the Planning Area**

- Wall Canyon WSA
- Wall Canyon Sucker
- Home Camp – structure (private property with structures)
- Campgrounds under development (north side of Wall Canyon WSA)
- Wildlife guzzlers
- Range improvements
- High Rock HMA (northeast)
- Wall Canyon Sucker (BLM Sensitive Species)

What is the chance the critical values will be impacted, and if so what are the consequences?

Yes, critical values have been impacted and will continue to be impacted as the fire continues to spread.

The following are the affected critical values and the current consequences due to fire spread:

- Sage Grouse
  - As the fire continues to spread, there will be a continual loss of pristine habitat for sage grouse
  - There will be continued affects to sage grouse within active leks that are being lost due to fire spread; and indirect effects from suppression activities and smoke.
- Wilderness (High Rock Canyon Wilderness and Little High Rock Canyon Wilderness)
  - Loss of wilderness values will continue as the fire continues to spread to the east into the High Rock Wilderness
- LADWP 200KV energy transmission line
  - Damage to this transmission line will cost LADWP \$1million each day the line is not providing service to customers within Southern California.
  - Smoke is continuing to cause shorts and arcing.
  - Safety of suppression resources working under and adjacent to the transmission line is a significant safety concern.

- **Cultural Resources**
  - Impacts to and loss of archeological sites will continue as dozer line is constructed due to the lack of hand crews and air tankers.
  
- **Fox-Hog Wild Horse Habitat Management Areas**
  - Loss of forage will continue as the fire burns through the HMA.
  - Impacts to springs, that are water sources for wild horse, through the use of water for suppression activities
  - Impacts to and loss of springs that are water sources for wild horse through impacted from active burning.
  - There will be impacts to horses within the Fox-Hog HMA being displaced to adjacent HMA areas. This will also impact horses within the adjacent HMAs to completion for limited forage and water.
  
- **Active grazing allotments**
  - Loss of forage will continue as the fire burns through allotments
  - Impacts to springs, that are water sources for cattle, through the use of water for suppression activities
  - Impacts to and loss of springs that are water sources for cattle through impacted from active burning.
  - There will be impacts to cattle within the affected allotments being displaced to adjacent allotments. This will also impact cattle within the adjacent allotments to completion for limited forage and water.
  - 
  - Loss of range allotment structures (e.g. fences, salt licks, etc.)

## **Cultural Resources**

The WFDDS boundary area contains numerous Cultural Resources due to the high distribution of obsidian sources. The Cultural Resources include lithic scatters, quarries, and rock shelters. Previous archaeological surveys have resulted in the identification of 110 Cultural Resources within the WFDDS boundary. The results of previous survey and site discovery indicate that 63% of the area is an archaeological site. The results of the predictive model indicate that 49% of the area is potentially an archaeological site. The use of dozer lines should be kept to a minimum to avoid destruction of the Cultural Resources.

## **Grazing allotments**

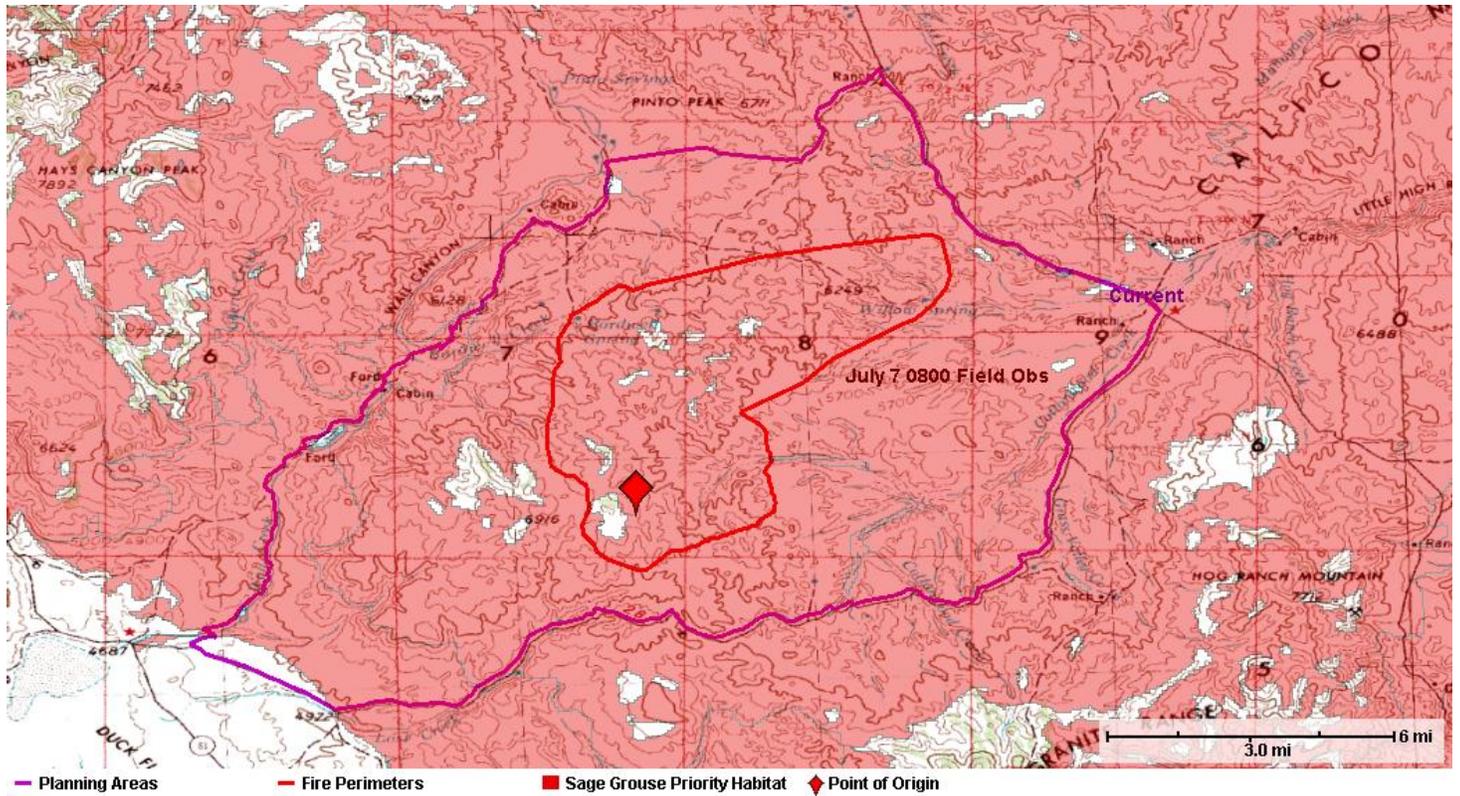
The fire is currently burning in four allotments (Bare, Duck Lake, Wall Canyon West, Home Camp). There are currently cattle in all allotments. Permittees have been notified to remove their cattle within adjacent allotments and within affected allotments. Coordination between permittees and the Surprise Field Office was started on 8/5 and continues as the fire continues to spread.

## **Wild Horse HMA**

The fire is currently burning within the Fox Hog Wild Horse Habitat Management Area (HMA). If a significant portion of the HMA is burned, an analysis will be conducted to determine if an

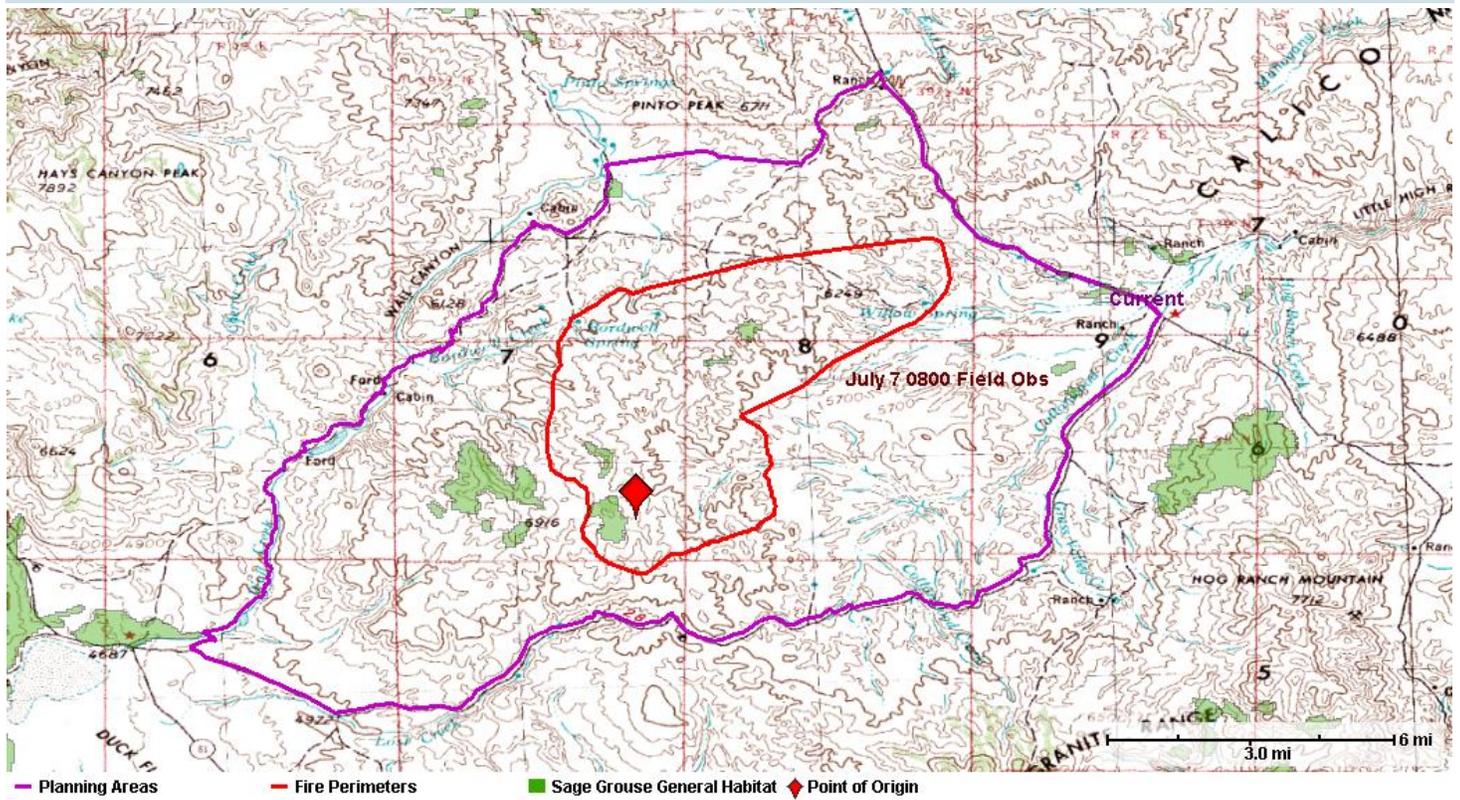
emergency gather will be initiated to remove the remaining horses within the HMA to a holding site.

### 8-7-12 1200 Sage Grouse Priority Habitat



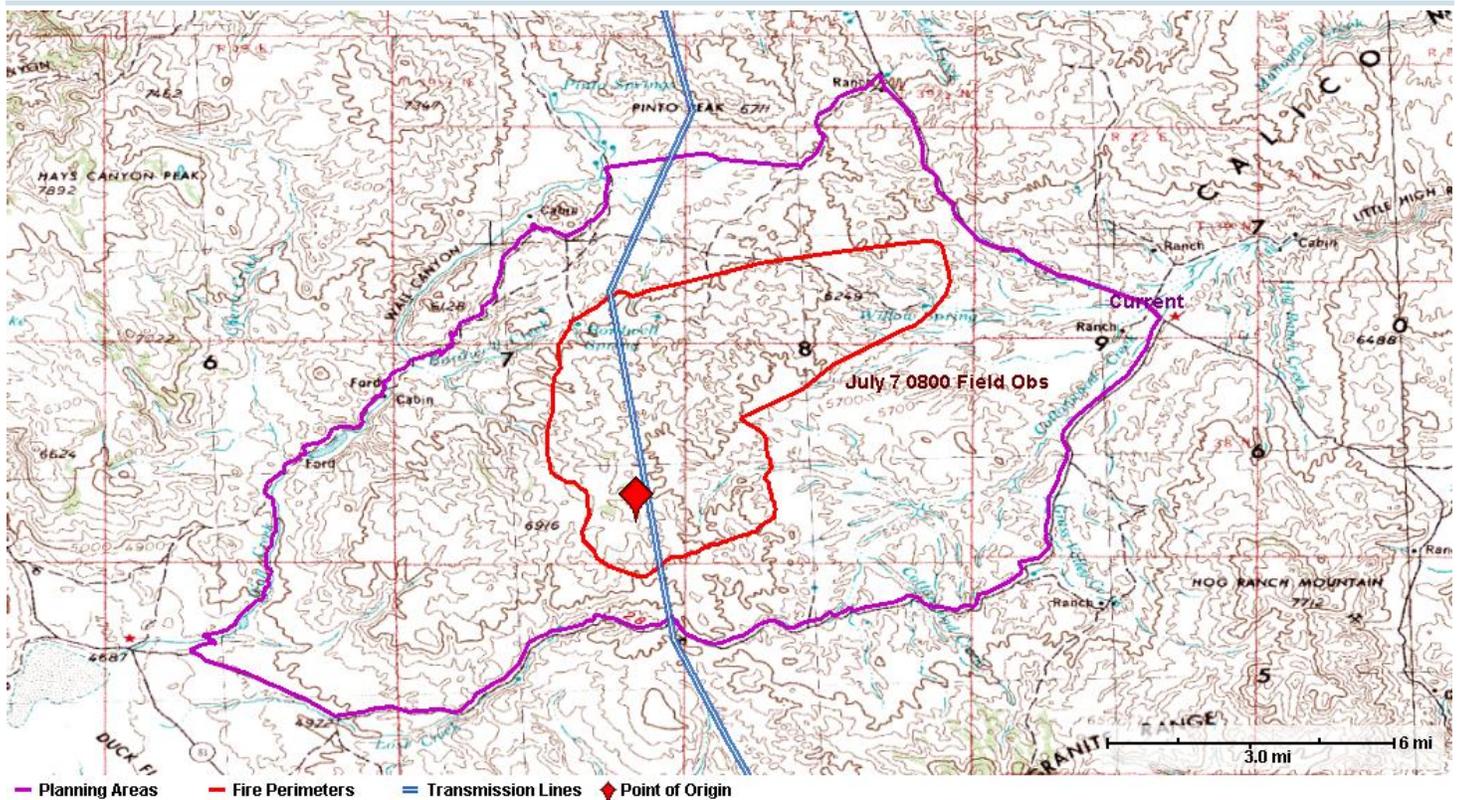
The above map displays the priority habitat for sage grouse within the area. This information was obtained from within WFDSS.

## 8-7-12 1200 Sage Grouse General Habitat



The above map displays the general habitat for sage grouse within the area. This information was obtained from within WFDSS

## 8-7-12 1200 Transmission Line





## 1.6. Rationale

### 1.6.1. Content

Due to fire burning in the middle of the historic fire season and the topographically challenging area the fire is burning within, a Type 2 IMT is managing this incident for the BLM Surprise Field Office.

Is the wildfire continuing to meet the strategic objectives, management requirements, incident objectives, and incident requirements?

Yes.

The fire is being managed for full suppression.

Has the Relative Risk Assessment changed (higher or lower), which would alert the agency administrator to change or modify the current strategy or decision?

No

Is the risk still commensurate with the potential benefits?

Yes

Is the fire expected to burn outside the current Planning Area?

Yes, based on observed fire behavior.

Currently there is a lack of available resources to be assigned to this incident based on the large number of active fires across California and the western states. Until adequate suppression resources are provided to the incident, the fire will continue to spread to the east/northeast based on predicted weather and fuels continuity within drainages located within the Black Rock Desert - High Rock Canyon Emigrant Trails National Conservation Area.

Is the fire behavior modeling completed consistent with the current fire behavior, spread, and intensity that is being observed on the wildfire? Have any of the fire behavior or weather prediction products expired?

Yes.

The fire behavior modeling is consistent with current fire behavior, spread, and intensity that is being observed on the wildfire. An FSPro analysis and Near Term analysis has been completed using the fire perimeter from 8/7/12 at 8 AM. An updated FSPro analysis has been requested for 8/8/12 which will be using an updated fire perimeter based on an IR flight during the evening 8/7/2012.

Has the intensity and spread of the wildfire exceeded the original assumptions and risk assessment expectations?

Yes.

The fire continues experience significant spread rates and distances across control lines during daily wind events. This will continue until either weather conditions change or additional suppression resources become available in numbers and types to construct control lines along the head of the fire during periods of low fire spread and flame length.

Have any of the Management Action Points (M.A.P.s) been breached or threatened since the last Periodic Assessment? If so, were they implemented effectively and documented? Have new M.A.P.s been developed?

Yes.

Fire has spread across the 34 Road. A new decision has been developed with additional M.A.P.s. Coordination with BLM Nevada has been initiated.

A M.A.P has been developed along the Direct Protection Area between BLM California, Surprise Field Office and the BLM Nevada, Winnemucca District Office.

Is there other proximate fire activity that may influence the safety of firefighters and/or the public and/or influence the intensity and spread of the wildfire the agency administrator is assessing?

Yes.

There are a large number of large fires within Central and Northern California. Additional suppression resources are currently unavailable in large numbers to assist in the suppression of this fire. There have been requests for additional dozers and aviation assets. The VLAT has been used once on 8/6 and twice on 8/7, but was diverted to a fire within Nevada late afternoon on 8/7. The request has been made to use the VLAT on 8/8 to try and contain the fire spread to within the High Rock Canyon Wilderness.

Are there any other factors or issues that may influence the original decision on the wildfire, which would change or require the decision to be modified?

Yes.

If the fire continues to spread to the east/northeast, it will cross into BLM Nevada Direct Protection Area. This will require a new decision to include information from BLM Nevada, Winnemucca District and will require future decisions to be approved by both BLM California and BLM Nevada.

Is the current management organization adequate or is span of control exceeded?

Yes.

The current management organization is adequate for the complexity of the fire at this time. The issue is that there are not adequate numbers of resources available to minimize acres burned.

Is the estimated initial overall cost of the wildfire exceeded by current estimates due to an increase in wildfire activity and complexity?

No.

The current and expected costs are expected to be stay within the threshold of \$4.5 million. The threshold is not expected to be exceeded due to the lack of suppression resources (ground resources, aviation assets) that are predicted to not be assigned to this incident within the foreseeable future based on fire activity throughout the western states.