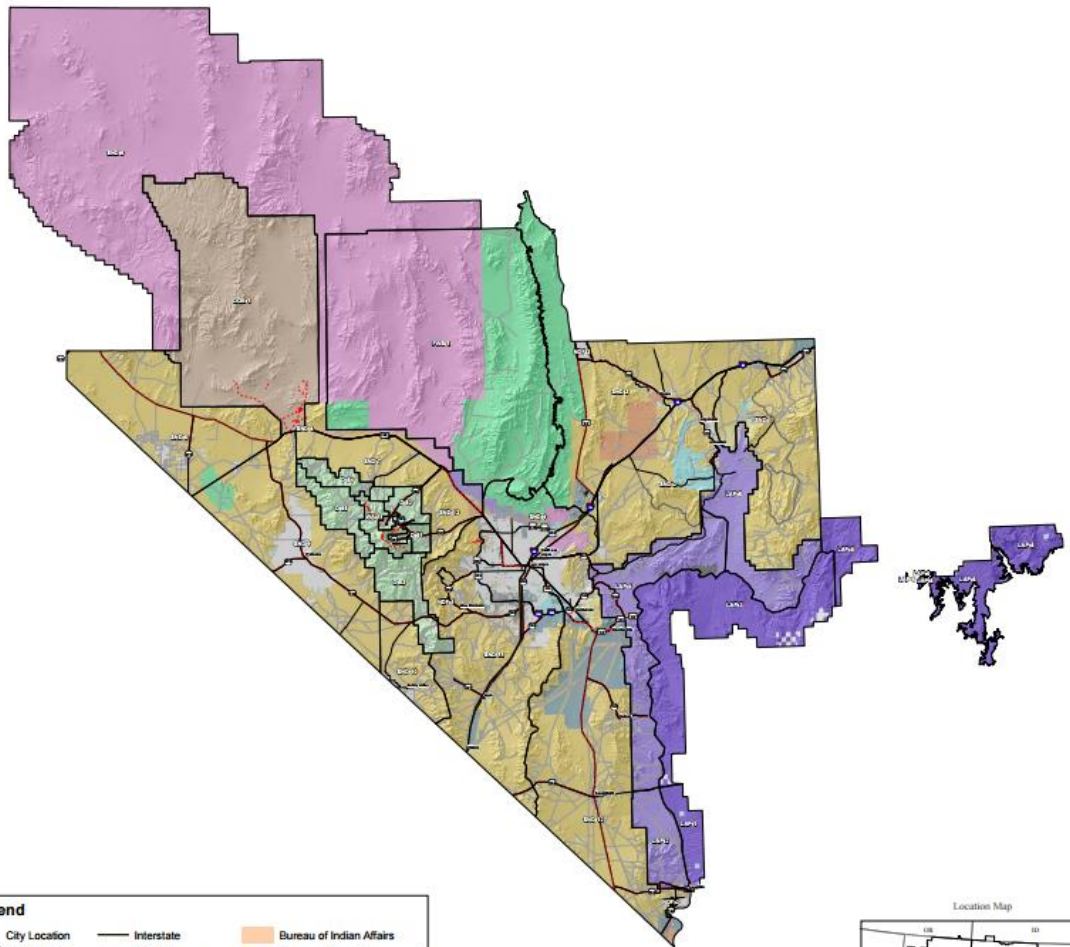




# Southern Nevada Interagency 2023 Briefing Guide



Legend		
• City Location	— Interstate	■ Bureau of Indian Affairs
□ LVICC_IA_Zones	— US Highway	■ Bureau of Land Management
	— State Highway	■ Bureau of Reclamation
	— County Highway	■ Department of Defense
	— Arterial	■ Department of Energy
	— Collector	■ Fish and Wildlife Service
	— Local	■ Forest Service
	— Back Country Byway	■ National Park Service
	— Resource	■ Nevada State
..... Restricted		■ Local Government
		■ Private



## **Southern Nevada Dispatch Area**

The Southern Nevada Dispatch Area is approximately 10.5 million acres. Wildland fire management and suppression responsibilities are shared among the U.S. Department of Agriculture (USDA), Forest Service (USFS); U.S. Department of the Interior (USDI), Bureau of Land Management (BLM), USAF Nellis Air Force Base/National Test and Training Range (NTTR), USDI Bureau of Reclamation (USBR), Nevada Division of Forestry, USDI, U.S. Fish & Wildlife Service (USFWS), USDI National Park Service (NPS), Department of the Interior (USDI), Bureau of Indian Affairs, Clark County Fire Department, North Las Vegas Fire Department, Henderson Fire Department, Mesquite Fire and Rescue, Pahrump Valley Fire and Rescue, Nye County Emergency Management, Boulder City Fire Department, and DOE Nevada National Security Site (NNSS) Fire Department, and USAF Creech Air Force Base Fire Department. All our interagency partners have a great working relationship and do a great job of managing incidents in unified command or as an Incident Commander through Las Vegas Interagency Communications Center (LVICC).

### **Southern Nevada District Bureau of Land Management**

Our objective is to establish public and firefighter safety as the first priority in every fire management activity. The Southern Nevada Bureau of Land Management consists of approximately 3,330,190 acres broken down in to three Field Offices (Las Vegas Field Office, Red Rock/Sloan Field Office, and Pahrump Field Office). All three Field Offices have their unique challenges with fire and values at risk including to but not limited to: special status, sensitive and endangered species habitat, natural and cultural resources, critical watersheds, Areas of Critical Environmental Concern (ACECs), Wilderness Study Areas (WSAs), Wilderness Areas, Natural Conservation Areas (NCAs), National Monument, and historic mining districts. All suppression resources will be provided with maps and tools to help them identify the appropriate strategy in these areas. The District also has a great Resource Advisor (READ/REAF) Program that will help with these decisions.

There are certain areas on the district that require Law Enforcement response due to known activities and safety concerns. These areas include Sun Rise Mountain, Wetlands Park, Gold Butte National Monument, and Jean Dry Lake. The Duty Officer or Dispatch will work with Law Enforcement for a response.

### **USAF Nevada Test and Training Range**

The Southern Nevada Bureau of Land Management (BLM) or the US Fish and Wildlife Service (USFWS) has suppression responsibility on the US Air Force (USAF) Nevada Test and Training Range (NTTR). This area of BLM withdrawn lands is 2,159,296 acres that have restricted access. Access and entry will be coordinated between the Duty Officer and USAF Officials. All resources will receive a thorough briefing on hazards including UXO, values at risk, and security prior to entering the gate on to NTTR. They will then be escorted.

## Fire Operations in the SNDO East District Area Talking Points

- ✓ Firefighter safety is the top priority, if you are in any situation where you feel this is in question back off. You will be supported in this decision.
- ✓ We are public servants and we serve public lands, it is important to operate in this way. Ensure that your actions are well thought out and timely with all fire related activities.
- ✓ You have a responsibility to take a higher road and be better than people expect. If confronted verbally or visually remain professional and composed. If the situation elevates notify local Law Enforcement and remove yourself from the situation.
- ✓ You have to have a higher sense of situational awareness of your location and surroundings both on and off the job. While in these areas, pay attention to your surroundings and act accordingly.
- ✓ Park vehicles separated and in well-lit areas.
- ✓ Perform walk around inspections of vehicles and aircraft prior to use.
- ✓ There is a higher risk due to the political issues and sensitivity in the Bunkerville area. Even though you are a public servant and have a specific mission some individuals are not able to separate this role from all others for the federal government. Act accordingly. "I am here to put that fire out and protect your lands".
- ✓ Communicate any changes in situation to your supervisor and/or Duty Officer (D.O.) or FMO. This will be ongoing, through dispatch, local Law Enforcement, and calls as needed.

**Background-** The Mesquite, Gold Butte and Overton Arm area have been adversely impacted by the Bundy Cattle Impound Operation in 2014.

***Access into the area will be monitored on a case by case basis. It will be at the discretion of the D.O. to allow access and ensure the proper notifications are made. Timely updates and the level of response will also be coordinated by the D.O. This number is staffed 24/7. All incoming personnel will be briefed by the D.O. or other assigned leadership prior to entering areas of concern. Aviation assets will also receive a briefing either near the area or as ordered.***

**Current Situation-** This information will be run through the D.O. and coordinated by BLM LE locally. No direct threat is expected from the public, but government employees need to be cautious.

# Southern Nevada Shooting Areas and Firefighting Safety

In Southern Nevada there are a few shooting areas where human caused fires can occur. Sloan area, Mule Springs, and Frozen Toe had approximately 70 human caused shooting fires in 2020. There are other areas where these shooting fires can occur as well. The Goodsprings area, Cold Creek, and Coyote Springs have had incidents in the past.

## **Things to expect when responding to a shooting area fire:**

- Trash and household debris.
- Expended target shooting debris (shotgun shells, brass casings, targets of all materials).
- Many members of the public spread out and shooting simultaneously while the wildfire is burning.
- Hazardous materials. Many types of synthetic material can be burning within the fire. Utilize caution when arriving on scene and position equipment and personnel accordingly with fire and smoke direction. Examples of materials you may encounter are the following:
  - Medical waste (syringes)
  - Homemade explosives
  - Propane tanks
  - Human remains
  - Drug labs
  - Plastic
  - Aerosol cans

Typically, a Law Enforcement Official from Metro PD or from the BLM will be on scene and beginning the process of clearing out target shooters from the area. The Incident Commander will work with LE to ensure scene safety before proceeding into firefighting operations. If there is any doubt as to the safety of firefighting personnel while on scene of one of these shooting area/household debris fires, pull back and reevaluate the situation and provide for an alternate plan for the fire that may include allowing the fire to burn until the concern is no longer present. In Southern Nevada, firefighter and public safety play the biggest role in how these debris fires are extinguished.



## **USFWS Desert Complex Fire Management Operations**

The Desert Complex consists of 4 National Wildlife Refuges: Ash Meadows NWR, Desert National Wildlife Refuge, Moapa National Wildlife Refuge and Pahrangat National Wildlife Refuge.

### **General Response Requirements and information:**

- The use of suppression agents such as foam and retardant are not permitted on any refuge unless approved by the FWS Duty Officer and Refuge Manager. When ordering air tankers, specify water drops only unless retardant is expressly approved.
- Driving off road is prohibited unless authorized by the Refuge Manager. The ground is often unsuitable for the weight of the equipment and may become stuck.
- Radio communications are often unavailable. Be prepared to use phone service to speak to dispatch, to establish a human repeater or to set up a portable repeater.

### **Specific Refuge Response Requirements and Information:**

#### **Ash Meadows NWR**

- Order a READ early. Ash Meadows has at least 26 endemic species of plants and animals, five listed as endangered and seven threatened with extinction and provides important habitat for migratory birds and other wildlife. Ash Meadows is designated as a Wetland of International Importance by the Ramsar Convention and an Important Bird Area for the National Audubon Society.
- Suppression of all wildfires requires authorization by the Refuge Manager before any action is taken.
- Driving off-road or using heavy equipment is prohibited.
- Ensure fire engine tanks are not contaminated with invasive aquatic species such as zebra mussels or Quagga mussels. Fire engines entering the Refuge must contain water from a domestic source only. Refilling engine tanks on the Refuge will only be permitted from a water source authorized by the Refuge Manager.

#### **Desert NWR**

- Order a READ early, the Refuge was established to protect habitat for desert bighorn sheep and other wildlife. There are two Important Bird Areas designated by the National Audubon Society, Sheep Mountains, and Corn Creek.
- The Refuge is almost entirely proposed wilderness and wilderness techniques are required.
- Suppression of all wildfires requires authorization by the Refuge Manager before any action is taken.
- Driving off-road or using heavy equipment is prohibited.
- Most of the Refuge is inaccessible and poses significant risks to the safety of wildland firefighters. There are few roads and they are vast and rugged. There is high potential for vehicle and tire damage and suppression issues.
- The Refuge spans from desert playa to high elevation pine forests. Below 5000 feet elevation is critical tortoise habitat.

- Fires on the NTTR portion of the refuge will require coordination with the USAF, (See Page 2. USAF Nevada Test and Training Range)

#### Moapa Valley NWR

- Order a READ early, the Refuge was established to protect the endangered Moapa dace. The springs and outflows provide critical habitat for dace and other aquatic species and support riparian habitat important to migratory birds and other wildlife.
- Suppression of all wildfires requires authorization by the Refuge Manager before any action is taken.
- Ensure fire engine tanks are not contaminated with invasive aquatic species such as zebra mussels or Quagga mussels. Fire engines entering the Refuge must contain water from a domestic source only. Refilling engine tanks on the Refuge will only be permitted from a water source authorized by the Refuge Manager. Driving off-road or using heavy equipment is prohibited.

#### Pahranagat NWR

- Order a READ early, the Refuge was established to protect habitat for migratory birds, especially waterfowl. It provides critical habitat that supports the highest density of breeding endangered southwestern willow flycatchers in Nevada.
- Suppression of all wildfires requires authorization by the Refuge Manager before any action is taken.
- Ensure fire engine tanks are not contaminated with invasive aquatic species such as zebra mussels or Quagga mussels. Fire engines entering the Refuge must contain water from a domestic source only. Refilling engine tanks on the Refuge will only be permitted from a water source authorized by the Refuge Manager.
- Driving off-road or using heavy equipment is prohibited.
- Specialized equipment may be available for suppression; consult Duty Officer

## SPRING MOUNTAINS NATIONAL RECREATION AREA FIRE OPERATIONS

- No wildland fire activity is worth a human life.
- Firefighter and Public Safety comes first on every incident, every day.
- If you are in any situation where you feel firefighter or public safety is in question, back off, use the IRPG (2018 page 19) to properly refuse risk, communicate with your supervisor and offer solutions.
- Initial Attack Size-Up Cards. SMNRA uses the same size-up card as all Southern Nevada Agencies. A link to the size-up card is on the LVICC website under Publications.
- Turn in your completed size-up card to the SMNRA Fire Duty Officer.
- The SMNRA has four wilderness areas:
  - Mount Charleston Wilderness
  - La Madre Mountain Wilderness
  - Rainbow Mountain Wilderness
  - Mount Stirling Wilderness Study Area (WSA)
- Ensure you get an accurate lat/long to determine whether the fire involves wilderness.
- If you are in one of the 4 wilderness areas you will need to request approval for all mechanized equipment such as chainsaws, Smoke Jumpers, helicopters, and SEATS/Air tankers.
- Outside of the wilderness, do not slow down or pause suppression efforts waiting for approval for chainsaws, helicopters or SEATS/Air Tankers. Know that the Duty Officer and Agency Administrator are working behind the scenes to obtain the approvals.
- For Fire Season 2023 *all* fires on the SMNRA are full suppression, modified suppression may be required due to available firefighting resources and to provide for firefighter safety. This means that you might not put personnel into every situation, it does mean that you will evaluate the risk involved based from the strategies, tactics and actions needed to come up with your risk informed suppression plan.
- Request a Fire Investigator for all wildfires that are potentially human caused.
- Request a resource advisor (READ or REAF) on all wilderness fires. The FS Duty Officer could also send a READ at his/her discretion if there are wildlife, archaeological, or other natural resource concerns. The Duty Officer will ensure you are aware of those concerns.
- The IC or READ will be requested to complete a SMNRA READ Checklist for each wilderness fire or fire where there are resource concerns. Please turn in the completed READ Checklist to the FS Duty Officer along with your completed fire report. There is a link to the SMNRA READ Checklist under Publications on the LVICC website.
- If you need an S# for fire replacement, receive approval from either the IC or FS Duty Officer. Once you have approval, prepare a General Message Form (ICS 213) to LVICC requesting the resource order for the S#.

BRADLEY CROWELL, *Director*  
Department of Conservation and Natural Resources

BRIAN SANDOVAL  
*Governor*

KACEY KC  
*State Forester/Firewarden*



STATE OF NEVADA  
DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES  
**NEVADA DIVISION OF FORESTRY**  
4747 Vegas Drive  
Las Vegas, Nevada 89108  
Phone (702) 486-5123 Fax (702) 486-5186

NDF Southern Region boundaries encompass all state and private land within the following counties: NRS 472.040

Lincoln  
Clark  
Nye  
Esmeralda

Through agreements, Wildland Fire Protection Program, we provide additional support to the local government entities. These include Nye and Lincoln counties.

The Southern Region has the following resources available:

- 1 Type 3 Engine
- 1 Type 6 Engine
- 5 Type 2 Crews w/ Supervision
- 1 Kitchen Unit to feed up to 500 people on a surge
- 2 Type 2 Helicopters (located at Minden Airport)
- Overhead
  - o Fire Management Officer
  - o Resource Management Officer (READ)
  - o Urban Forester
  - o Mechanics
  - o IBA's (Carson City)
  - o FMAG Specialists (Carson City)
  - o Cost Share/Land Use Agreements
- Other overhead with specialties are available throughout the state. Contact FMO.

On all fires impacting or potentially impacting state and/or private land, the Regional FMO will be engaged throughout the event.

Brett Waters  
Fire Management Officer  
702-279-5288  
[brett.waters@forestry.nv.gov](mailto:brett.waters@forestry.nv.gov)

# MANAGING WILDFIRES IN THE MOJAVE DESERT PRIORITIES AND GUIDANCE FOR INCIDENT COMMANDERS

During periods of high fuel loads and hot, dry, windy weather conditions, wildfires in the Mojave Desert have the potential to exhibit extreme fire behavior and rapid growth. The Mojave Desert is not a fire-adapted ecosystem, but exotic vegetation can fuel fires that can drastically alter the landscape. Firefighters are encouraged to safely and aggressively suppress wildfires to reduce total acres burned, while minimizing impacts from their suppression actions. Agency administrators must provide guidance to incident commanders on resource values, goals, and constraints through preseason planning.

## MOJAVE DESERT PRIORITIES

1. ENSURE SAFETY OF FIREFIGHTERS AND THE PUBLIC
2. MINIMIZE ACRES BURNED (HABITAT LOSS) THROUGH RAPID FIRE SUPPRESSION
3. MINIMIZE SUPPRESSION DAMAGE TO RESOURCES

## DECISION MAKING

Protecting life and property is paramount in every decision and action. Consider the current and predicted weather, fire behavior, fuel loading, available suppression tools, and resources that are threatened by the fire, and implement appropriate firefighting methods that will minimize resource damage. Rapid and aggressive response may be warranted and can minimize acres burned. Resource damage occurs from both fire and some suppression actions, but burned desert is damaged desert. Use Best Management Practices to minimize resource damage.

Incident commanders should not wait for Resource Advisors before implementing all safe and aggressive suppression tactics necessary during Initial Attack.

**Consider immediately the use of air attack resources to limit fire spread.**

- ☐ **Using backfires/burnouts, off- road driving or heavy** equipment to construct fireline may have substantial impacts, but may be justified in order to minimize acres burned. Use tactics appropriate for the area designation and administering agency. \*\*For NPS lands the Resource Advisor must be consulted before use of heavy equipment or off- road driving. In designated wilderness, all motorized equipment usage must be approved by the appropriate agency administrator \*\*.
- ☐ **Stop all habitat damaging tactics when they are no longer required** to prevent a larger or more severe fire. Constantly assess the fire situation and Mojave Desert priorities as they relate to your operations. Document actions to facilitate post-fire rehabilitation of suppression actions.
- ☐ **Avoid spreading non-native organisms** by following guidance such as *Operational Guidelines for Aquatic Invasive Species Prevention and Equipment Cleaning*.
- ☐ **Upon communication with the Resource Advisor**, incorporate his/her knowledge and advice into the Incident Operations in a safe and efficient manner.

STAY ALERT, KEEP CALM, THINK CLEARLY, ACT DECISIVELY

# Wildland Fire Origin and Cause Determination

Accurate wildland fire origin and cause determination is an essential first step in a successful fire investigation. First responders must preserve valuable evidence that might be destroyed by suppression activities.

## Protecting the Origin

First responders play a critical role in protecting evidence, so it is important that first responders identify and protect the General Origin Area of the fire.

The need for an accurate origin and cause determination is important and your actions, both during and following suppression, can enable a wildland fire investigator to accurately determine the origin and cause of the wildfire.

## Recording Important Information

Record the identifying witness information that may be used for investigative follow-up:

- Names and identifying information, such as date of birth, driver's license number, physical address, phone number.
- Make, license number, and description of vehicles at the scene.
- Note any remarks made by persons at the scene that are in any way related to the fire.

## Taking Protective Measures

Physical evidence can be almost anywhere, locating and protecting this evidence may make the difference for a successful cause determination.

- When walking around, look before you plant your feet inside and outside the black. Walk where you walked before to minimize impact.
- Be mindful of where you and others park.
- Protect all evidence whether it seems important or not.

Look for such things as equipment, vehicles, tracks, discarded items, or any other objects or impressions that may have value as evidence. Footwear and tire impressions at or near the general origin should be protected and traffic should be re-routed around them.

Do not disturb evidence unless it is in immediate threat of being destroyed. If you must protect something by collecting it, photograph it first and document how you collected the item.

## Confidentiality

First responders must be aware of their responsibility to maintain confidentiality of any information that they may have received relating to the investigation. During an investigation, all evidence and information obtained is confidential in nature. Premature release of information prior to any adjudicative action may jeopardize the outcome. This includes what you believe may have started the fire.

# Incident Replacement Procedures

## **Consumable Items**

Consumable items -items normally expected to be consumed on the incident i.e. batteries, water, MREs, plastic canteens and petroleum products. These items can either be delivered to the incident from the local cache, if this is not practical, items can be picked up at the cache or an S# will be given to support the purchase. In order to receive an S#, a General Message must be completed with the required information (Fire name, financial code, itemized list of items, who is purchasing, and location where items are being purchased from) and signed by the Incident Commander (IC).

## **Durable/Trackable Items**

Durable /trackable items- items maintained by a cache that are tracked because of their dollar value and durability i.e. sleeping bags, tents, hand tools, Nomex, packs, chainsaws and any other items that have a multiuse lifespan. These items can either be delivered to the incident from the local cache assuming they are cache items, if this is not practical items can be picked up at the cache or an S# will be given for local purchase. In order to receive an S#, a General Message must be completed with the required information (Fire name, financial code, itemized list of items, who is purchasing, and location where items are being purchased from) and signed by the Jurisdiction Duty Officer. The Great Basin Property Loss and Damage Form must also be completed.

## **S# Process**

1. Submit completed package (signed General Message and Great Basin Property Loss and Damage Form) via email to [nvlic@firenet.gov](mailto:nvlic@firenet.gov). Non-durable property S# requests can be signed by the IC. Durable property requests must be signed by the district duty officer/AFMO/FMO
2. LVICC will return an email to sender for all local purchase S#s on a Resource Order and they will send all BLM Cache fill items on a general message to the Cache Manager, so the item can be picked up by the requesting resource.

## **BLM Cache Restocking**

### **Fire Delivered Items**

1. Submit completed package (General Message and Great Basin Property Loss and Damage Form) to Las Vegas Interagency Communications Center (LVICC) via email if practical to [nvlic@firenet.gov](mailto:nvlic@firenet.gov), if not submit order over radio or phone. Ensure you include delivery location and time.
2. IC is responsible for all items delivered to fire and all back haul will require a waybill from IC at pickup
3. If orders for supplies that come over the radio or phone, should only be done during IA. LVICC dispatchers will fill out general messages for the incident at that time and follow standard protocol for S#'s at the time.

### **Cache Pickup Items**

1. If you are requiring a large number of items call ahead (702-515-5052), so it will be ready when you arrive

Fire Organization				
Title	Name	Work	Cell	Call #
Overhead				
<b>BLM FMO</b>	Tyler Hecht	702-515-5131	702-715-6224	CH5100
<b>BLM AFMO</b>	Eric Ellison	702-515-5135	702-274-9474	DV5101
<b>BLM FOT</b>	Truett Anderson	702-515-5212	702-672-2005	BC5102
<b>BLM FOT</b>	Sean Whalen	702-515-5118	702-250-4271	BC5103
<b>BLM Fuels Spec.</b>	Sean McEldery	702-515-5285	702-283-8319	5905
<b>BLM Fire Mgmt Specialist</b>	Tomas Gonzalez	702-515-5105	702-232-4570	5906
<b>BLM ESR Coordinator</b>	Vacant			5907
<b>BLM Fuels Tech</b>	Frank Rice	702-515-5204	702-275-7924	5908
<b>BLM Fuels Tech</b>	Ben Krupski	702-515-5164	775-455-6044	5909
<b>BLM Fire Ecologist</b>	Vacant			5910
<b>USAF Fuels Fire Mgmt Specialist</b>	Brady Shultz	702-515-5286	928-830-7901	5916
<b>USAF Fuels Tech</b>	Eric Olson	702-515-5255	725-233-0806	5917
<b>BLM Aviation Mg</b>	Joe Miller	702-515-5074	775-455-6047	5918
<b>BLM Fire Business</b>	Kat Flowers	702-515-5188	702-956-0751	
<b>BLM Safety</b>	Charlie Carmichael	702-515-5192	425-274-6215	
<b>USFS FMO</b>	Ray Dombroski	702-515-5422	702-533-9609 530-227-9837	DIV 5
<b>USFS AFMO</b>	Brent Van Gundy	702-515-5406	702-496-8209	BC-51
<b>USFS FOS</b>	Justin Bedard	702-515-5426	702-540-9789	BC-52
<b>USFS FUELS AFMO</b>	Josh Thalacker	702-515-5441	725-216-0179	BC-53
<b>USFS Fuels Tech</b>	Vacant			
<b>NPS FMO</b>	Tiege Downes	702-293-8832	702-278-1872	7300



<b>NPS AFMO</b>	Jeremie Gamiao	702-293-8834	702-378-4136	7301
<b>NPS FOS</b>	Brian Kitchen		702-960-5344	7302
<b>NPS FPMA</b>	Kristen Lewis	702-293-8830	702-286-3507	
<b>FWS FMO</b>	Louis Prevatke	702-515-5465	928-581-6011	8200
<b>FWS FMS</b> (Fire Mgmt Spec.)	Vacant	702-515-5258		8201
<b>FWS FOS</b>	Vacant			8202
<b>BIA FMO</b>	Jeramie Ybright	435-674-9720	435-680-1628	
<b>NDF FMO</b>	Scott Kizziar	702-486-5123	702-279-5288	DIV 53
<b>CC Rural Chief</b>	Brian O'Neal	702-455-7311	702-397-9540	
<b>MT Charleston Fire Protection Chief</b>	Jorge Gonzalez		702-305-4010	
<b>Lake Mead Dispatch</b>		702-293-8998		
<b>NWS Las Vegas</b>	Fire WX Forecaster	702-263-9744		
<b>Duty Officer</b>				
<b>BOR</b>	702-515-5115	<b>NPS</b>	702-293-8831	
<b>USFS</b>	702-515-5315	<b>NDF</b>	702-486-3315	
<b>BLM</b>	702-515-5115	<b>LVICC</b>	702-358-1150	
<b>LVICC Fax: 646-1996/515-5310</b>				
Center Manager	Gary Moberly	702-515-5305	702-358-1065	
Assistant CM	Elgien Lim	702-515-5306	702-274-0188	

Fire Organization			
Title	Name	Work	Cell
Prevention			
BLM Fire Prev/Mit/Ed Specialist 5911	Vacant		
BLM Mitigation and Trespass Specialist 5912	Shane Kelly (Detailed)	702-515-5121	702-279-4157
BLM Mit/Trespass Specialist (Patrol) 5913	Joel Graf	702-515-5107	725-272-9836
Lead Fire Investigator (LE)	Tyler Mundy	702-515-5179	702-281-5021
Patrol Tech 751	Vacant		
Patrol Tech 753	Ray Johnson		702-498-1630
Prevention 754	Nolan Mangham		702-371-4431
Vegas Valley Hand Crew			
Superintendent	JP Blair	702-515-5218	725-261-3336
Assistant Supt.	Vacant	702-515-5183	
Squad Leader	Shane McCracken	702-515-5235	760-851-4524
Squad Leader	Nick McGovern	702-515-5213	949-338-7526
Squad Leader	Andrew Merriam	702-515-5217	970-443-4308

Las Vegas Helitack		Fax: 515-5324	
Manager	Ian McQueary	702-515-5049	702-515-5049
Assistant	Jason Notz	702-515-5323	702-239-6595
Assistant	Vacant		
Squad Leader	Vacant		
Squad Leader	Ray Davalos	702-515-5322	760-445-8150
Senior Firefighter	Sara Isozaki	702-515-5322	
Lead Firefighter	Julie Rhodes	860-815-4275	
BLM Engine 5341			
Captain	Aaron Reynolds		760-889-5258
Asst Captain	Vacant		
BLM Engine 5343			
Captain	Kenny Fruend		702-460-5331
Asst Captain	Chris Mayer		619-754-3146
BLM Engine 5645			
Captain	Brandon Hansen	702-515-5212	702-575-2963
Asst Captain	Melinda Knott	702-515-5212	208-721-8682
BLM Engine 5646			
Captain	Alexander Fonseca	702-515-5281	702-219-8074
Senior	Benjamin Burnette	702-515-5281	619-797-0646

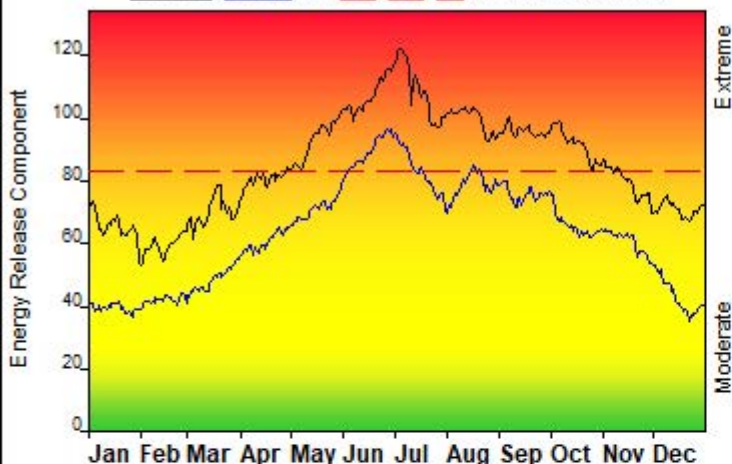
Fire Organization			
Title	Name	Work	Cell
BLM Engine 5342			
Captain	Eric Naumetz		805-551-0221
Asst Capt.	Robert Santo		702-421-7205
BLM Engine 5344			
Captain	Andrew Phlong		702-302-6780
Asst Capt.	Robert Sarmiento		562-900-3533
Cold Creek Station (Engine E451)			
Captain	Kyle Waller		702-370-8789
Operator	Anthony Dastrop		702-286-8737
Kyle Station (FS Engine E452)			
Captain	Shawn Krajewski		702-279-7599
Operator	Bolton Lawler		
Kyle Station (FS Engine E353)			
Captain	Vacant		
Operator	Vacant		
Mountain Springs Station (FS Engine E354)			
Captain	Jerry Hart	702-875-4596	725-216-0440
Operator	Dustin Higgins	702-875-4596	702-728-0547

Boulder City Station (NPS Engine 7331)			
Captain	Vacant	702-293-8836	
Operator	Vacant	702-293-8836	
Lead Firefighter	Vacant	702-293-8836	
Boulder City Station (Black Canyon Module 73)			
Module Leader	Vacant		
Asst Module Leader	Vacant		
Lead Firefighter	Vacant	702-293-8830	
Lead Firefighter	Vacant	702-293-8830	
Corn Creek Station (FWS Engine 8263)			
Captain	Vacant	702-515-5494	
North Las Vegas/ Pahrump (NDF Engine 5323)			
Captain	Raul Arroyo	702-486-5123	
North Las Vegas/Pahrump (NDF Engine 5361)			
Captain	Josue Gonzalez	702-486-5123	702-400-7444
Nevada Duty Officers			
AZ Strip	435-680-9663	Carson City	775-223-2760
Winnemucca	775-625-3055	Battle Mtn	775-635-9196
Elko	775-753-0316	Ely	775-289-1984

Dispatch Centers			
Las Vegas Interagency Dispatch	702-515-5300	Color Country Dispatch	435-865-4600
Central NV Dispatch	775-623-1555	Lake Mead Dispatch	702-293-8998
San Bernardino Dispatch	909-383-5652	Ely Dispatch	775-289-1925

## FIRE DANGER -- DESERT

Maximum, Average, and 80th Percentile, based on 16 years data



## Fire Danger Area:

- ◆ Desert FDRA
- ◆ AZZ101; NVZ462, 465, 466
- ◆ 261705, 020108
- \* Meets NWCG Wx Station Standards



## Fire Danger Interpretation:

- EXTREME** -- Use extreme caution
- High** -- Watch for change
- Moderate** -- Lower Potential, but always be aware

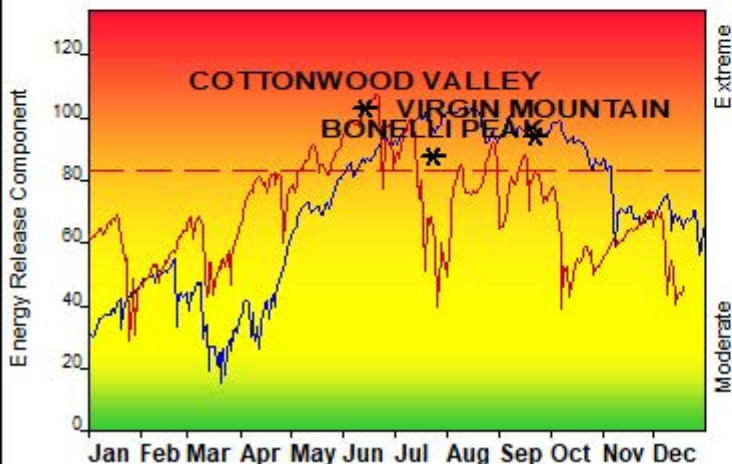
Maximum -- Highest Energy Release Component by day for 2008 - 2021

Average -- shows peak fire season over 16 years (5825 observations)

80th Percentile -- 20% of the 5825 days from 2008 - 2021 had an Energy Release Component above 82

**Local Thresholds - Watch out:** Combinations of any of these factors can greatly increase fire behavior:  
 20' Wind Speed over 15 mph, RH less than 10%,  
 Temperature over 90

Years to Remember: 2020 2021



Fuel Model: Y - Timber (2016)

## Remember what Fire Danger tells you:

- ✓ Energy Release Component gives seasonal trends calculated from 2 pm temperature, humidity, daily temperature & rh ranges, and precip duration.
- ✓ Wind is NOT part of ERC calculation.
- ✓ Watch local conditions and variations across the landscape -- Fuel, Weather, Topography.
- ✓ Listen to weather forecasts -- especially WIND.

## Past Experience:

- In continuous grass and shrub fuel types establish a solid anchor point and continually monitor line construction.
- Distances in the desert are greater than they appear.
- Summer temperatures can be extreme. Monitor physical performance and promptly mitigate heat stress.
- Turn Around Don't Drown. Flash floods occur rapidly in the desert due to isolated thunderstorms. It is NEVER safe to drive or walk into flood waters.

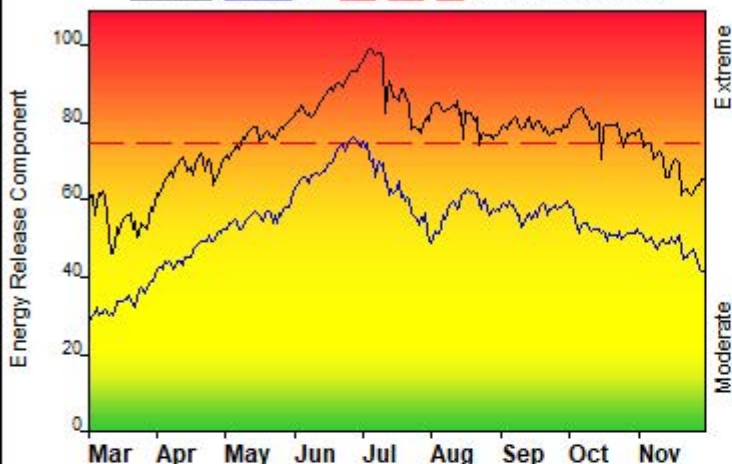
Responsible Agency: LVICC

FF+5.0 build 20191211 02/17/2022-17:22 (C:\tmp\Telework Oct 21...\LVICC NFDRS4 v.1.5)

Design by NWCG Fire Danger Working Team

## FIRE DANGER -- MOUNTAIN

Maximum, Average, and 90th Percentile, based on 16 years data



## Fire Danger Area:

- Mountain FDRA
- NVZ463,464
- 261702,261708
- \* Meets NWCG Wx Station Standards



## Fire Danger Interpretation:

- EXTREME** -- Use extreme caution
- High** -- Watch for change
- Moderate** -- Lower Potential, but always be aware

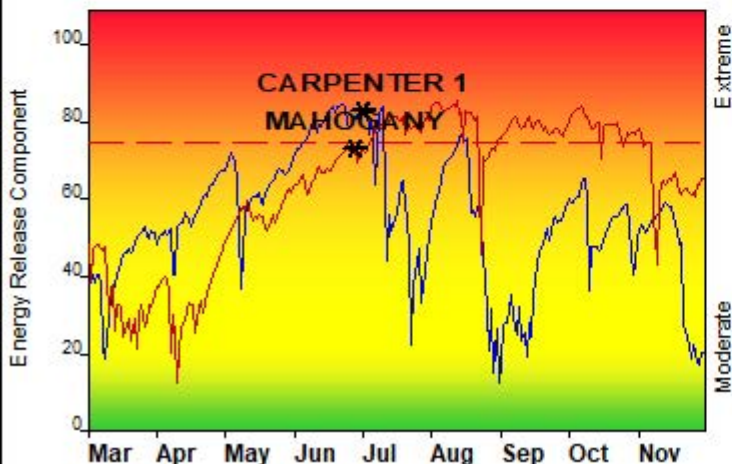
Maximum -- Highest Energy Release Component by day for 2008 - 2021

Average -- shows peak fire season over 16 years (4397 observations)

90th Percentile -- 10% of the 4397 days from 2008 - 2021 had an Energy Release Component above 74

**Local Thresholds - Watch out:** Combinations of any of these factors can greatly increase fire behavior:  
20' Wind Speed over 10 mph, RH less than 10%,  
Temperature over 85

Years to Remember: 2013 2020



Fuel Model: Y - Timber (2016)

## Remember what Fire Danger tells you:

- ✓ Energy Release Component gives seasonal trends calculated from 2 pm temperature, humidity, daily temperature & rh ranges, and precip duration.
- ✓ Wind is NOT part of ERC calculation.
- ✓ Watch local conditions and variations across the landscape -- Fuel, Weather, Topography.
- ✓ Listen to weather forecasts -- especially WIND.

## Past Experience:

- Watch out for unstable air mass conditions during fires. Rapid isolated thunderstorms can occur at higher elevations.
- General afternoon winds out of the south, southwest will greatly effect fire behavior.
- Use caution in continuous fuels or closed canopy fuels. Watch for beetle kill and standing snags.
- Turn Around Don't Drown. Flash floods occur rapidly in the desert due to isolated thunderstorms. It is NEVER safe to drive or walk into flood waters.

Responsible Agency: LVICC

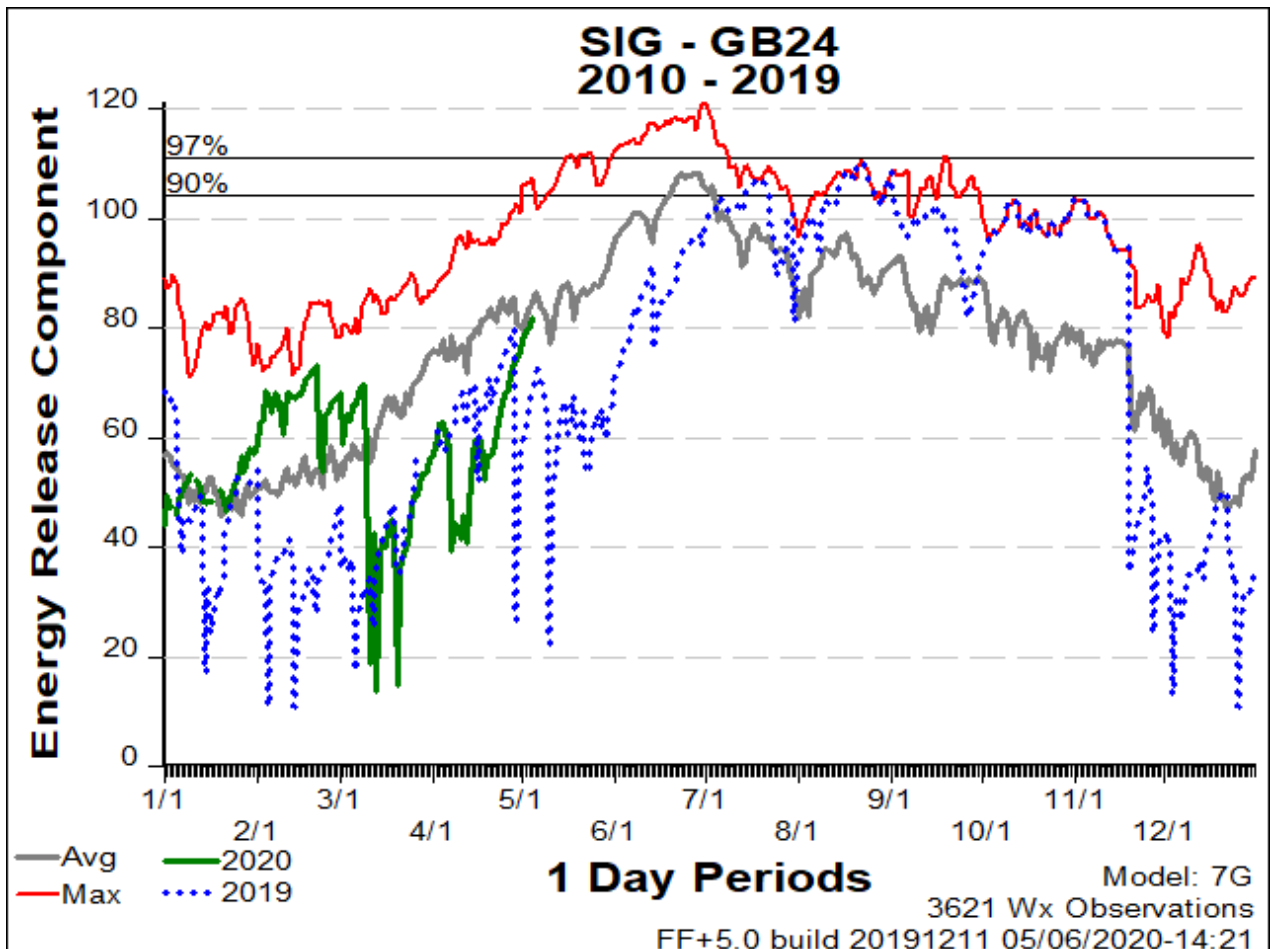
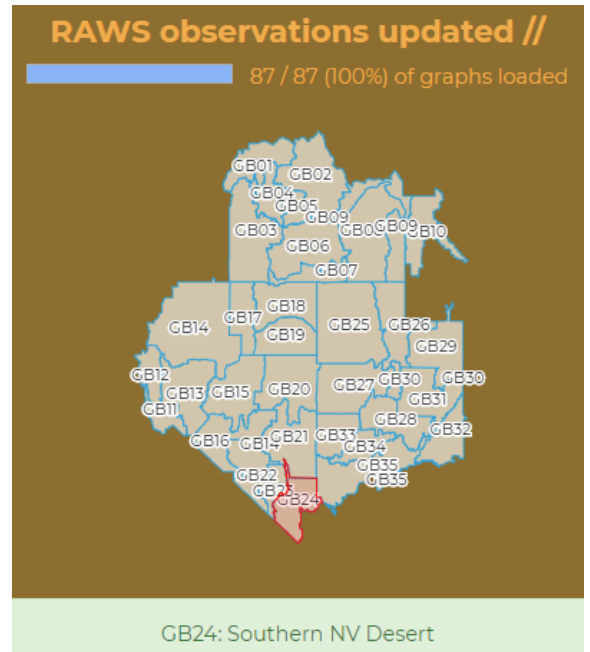
FF+5.0 build 20191211 02/17/2022-18:08 (C:\tmp\Telework Oct 21...\LVICC NFDRS4 v.1.5)

Design by NWCG Fire Danger Working Team



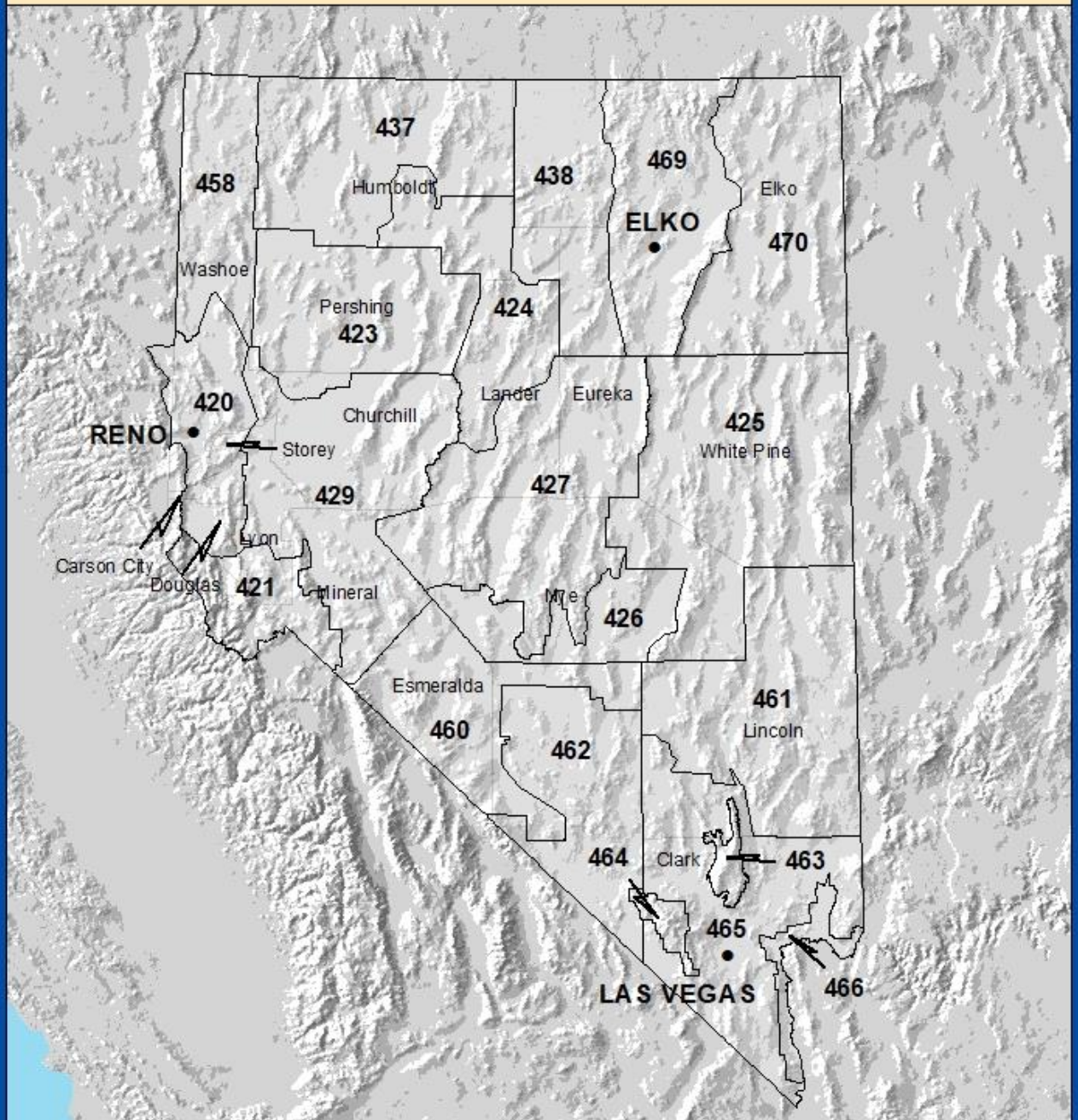
## BLM Trend Analysis

[BLM – FA IM-2018-022](#) *Use of Seasonal Trend Analysis to Communicate Fire Danger* requires the BLM to use Seasonal Trend Analysis instead of PocketCards. The purpose of trend analyses is to display historic conditions and measured current year data to improve fire danger awareness and firefighter safety. The Great Basin Coordination Center ([GBCC](#)) maintains online [Seasonal Trend Analyses](#) for the entire Great Basin including the LVICC Dispatch Area. GB22 *Amargosa* and GB24 *Southern NV Desert* represent the Desert Fire Danger Rating Area and GB24 *Spring Mountain* represents the Mountain Fire Danger Rating Area.



# NEVADA

## FIRE WEATHER ZONE BOUNDARIES



**NATIONAL WEATHER SERVICE**  
**WESTERN REGION**

MARCH 2020  
IDP GIS

- Weather Forecast Office
- County Boundary
- ▬ Fire Zone Boundary

## Southern Nevada BLM Groups

Zone	Chan. 1	Chan. 2	Chan. 3	Chan. 4	Chan. 5	Chan. 6	Chan. 7	Chan. 8	Chan. 9	Chan. 10	Chan. 11	Chan. 12	Chan. 13	Chan. 14	Chan. 15	Chan. 16	
5	Southern Nevada BLM	RX 173.0500	RX 173.0500	RX 173.0500	RX 173.0500	RX 173.0500	RX 173.0500	RX 173.0500	Redrock	FS ANGEL	FS CHARLES	FS ROTOSI	FS SOA	P A/G 23	S A/G08	NV BLM	
		RX-CG 114.8	RX-CG 114.8	RX-CG 114.8	RX-CG 114.8	RX-CG 114.8	RX-CG 114.8	RX-CG 114.8	RX-CG 114.8	RX-CG 114.8	TX 164.4750	TX 164.5000	TX 164.5000	TX 166.7750	TX 166.7625	TX 166.8750	RX 171.6750
		TX 173.0500	TX 164.4750	TX 164.4750	TX 164.4750	TX 164.4750	TX 164.4750	TX 164.4750	TX 164.4750	TX 160.2375	TX 160.2375	TX 164.5000	TX 164.5000	TX 168.7750	TX 166.7625	TX 166.8750	RX 171.6750
		TX-CG 114.8	TX-CG 123.0	TX-CG 131.8	TX-CG 136.5	TX-CG 146.2	TX-CG 156.7	TX-CG 156.7	TX-CG 156.7	TX-CG 146.2	TX-CG 156.7	TX-CG 156.7	TX-CG 123.0	TX-CG 146.2	TX-CG 156.7	TX-CG 156.7	TX-CG 114.8
7	Red Rock	Red Rock TAC	Redrock Admin	Redrock LE	BLM Potosi	Potosi LE	BLM Hayford	Hayford LE	FS Charles	FS Potosi	Gov Com 1	SND SOA RPTR	FS SOA	P A/G 23	VMS 28	BLM SOA	
		RX 168.2250	RX 171.0000	RX 173.0500	RX 173.0500	RX 173.0500	RX 173.0500	RX 173.0500	RX 173.0500	TX 164.5000	TX 172.2750	RX 163.1000	RX 171.6750	RX 166.7625	RX 155.3400	RX 171.6750	
		RX-CG 156.7	RX-CG 156.7	RX-CG 114.8	RX-CG 114.8	RX-CG 114.8	RX-CG 114.8	RX-CG 114.8	RX-CG 114.8	TX 164.7000	TX 164.5000	TX 164.5000	RX-CG 250.3	RX-CG 141.3	TX 166.7625	TX 155.3400	RX-CG 114.8
		TX 168.2250	TX 162.2250	TX 164.7000	TX 164.7000	TX 164.7000	TX 164.7000	TX 164.7000	TX 164.7000	TX 164.5000	TX 164.5000	TX 163.1000	TX 168.2250	TX 168.2250	TX 166.7625	TX 155.3400	TX 171.6750
8	BLM Hayford	BLM Hayford	BLM Potosi	FS CHARL	NV TAC 1	NV TAC 2	NV TAC 3	BLM Local	BLM SOA	SND SOA RPTR	BLM SOA	Score Race	BLM SOA	VHF Tac 3	NV CORD 1	NV CORD 2	
		RX 173.0500	RX 173.0500	RX 172.2750	RX 169.4375	RX 164.4750	RX 172.7500	RX 173.0500	RX 173.0500	RX 171.6750	RX 171.6750	RX 151.6250	RX 151.6250	RX 154.1000	RX 155.3400	RX 155.3475	
		RX-CG 114.8	RX-CG 114.8	RX-CG 114.8	TX 169.4375	TX 164.4750	TX 172.7500	TX 173.0500	TX 173.0500	TX 173.0500	TX 173.0500	TX 151.6250	TX 151.6250	RX-CG 71.9	TX 155.3400	TX 155.3475	
		TX-CG 110.9	TX-CG 136.5	TX-CG 156.7	TX-CG 156.7	TX-CG 156.7	TX-CG 156.7	TX-CG 156.7	TX-CG 156.7	TX-CG 156.7	TX-CG 156.7	TX 151.6250	TX 151.6250	TX 154.1000	TX 155.3400	TX 155.3475	
46	Combined SND Fire / LE	Redrock LE	Potosi LE	Hayford LE	BLM Hayford	BLM Xmas	BLM Hayford	BLM Virgin	BLM Virgin	FS Potosi	Metro Admin	BLM SOA	FS SOA	Gov Com 1	P A/G 23	Gas LE	
		RX 170.6000	RX 170.6000	RX 170.6000	RX 170.6000	RX 170.6000	RX 170.6000	RX 170.6000	RX 170.6000	RX 170.6000	RX 172.2750	RX 158.7900	RX 171.6750	RX 168.7750	RX 163.1000	RX 166.7625	RX 173.6750
		RX-NAC \$3E8	RX-NAC \$3E8	RX-NAC \$3E8	RX-NAC \$3E8	RX-NAC \$3E8	RX-NAC \$3E8	RX-NAC \$3E8	RX-NAC \$3E8	RX-NAC \$3E8	TX 164.5000	TX 164.5000	TX 164.5000	TX 168.7750	TX 163.1000	TX 166.7625	RX-NAC \$47C
		TX 164.7000	TX 164.7000	TX 164.7000	TX 164.7000	TX 164.7000	TX 164.7000	TX 164.7000	TX 164.7000	TX 164.7000	TX 164.5000	TX 164.5000	TX 164.5000	TX 168.7750	TX 163.1000	TX 166.7625	TX-NAC \$47C
47	Red Rock LE SND NFS Zone	Red Rock LE	Hayford LE	Potosi LE	Charles LE	BLM Beh LE	NPS Virgin	NPS Perkins LE	NPS Scrub LE	Xmas Tree LE	RX-NAC \$3E8	RX-NAC \$47C	NFS Wilson	Gov Com 2	Metro Info	Potosi Ext	
		RX 170.6000	RX 170.6000	RX 170.6000	RX 170.3875	RX 170.0500	RX 166.3000	RX 167.1250	RX 170.6000	RX 168.2500	RX 166.3000	RX 166.3000	RX 166.3000	RX 166.3000	RX 154.7700	RX 154.7700	RX 166.9625
		RX-NAC \$3E8	RX-NAC \$3E8	RX-NAC \$3E8	RX-CG 141.3	TX 167.1250	TX 166.9000	TX 166.9000	TX 163.3375	TX 164.7000	TX 166.9000	TX 166.9000	TX 166.9000	TX 166.9000	RX-CG 77.0	RX-CG 77.0	RX-CG 192.8
		TX 164.7000	TX 164.7000	TX 164.7000	TX 166.3250	TX 167.1250	TX 166.9000	TX 166.9000	TX 163.3375	TX 164.7000	TX 166.9000	TX 166.9000	TX 166.9000	TX 166.9000	TX 159.1500	TX 159.1500	TX 166.9625
48	CA CA CDD	Tourquoise	Calico	Christmas Tree	Old Woman's	Government	Bird Springs	Mohave NP	BLM SOA	TAC 1	TAC 2	TAC 2	A/G 53	CAL A/G 4	TX-CG 77.0	TX-CG 192.8	
		RX 166.3750	RX 166.3750	RX 166.3750	RX 166.3750	TX 166.3750	TX 166.3750	TX 166.3750	TX 166.3750	RX 168.3000	RX 168.0500	RX 168.2000	RX 168.2000	RX 168.3500	RX 168.4875	RX 168.4875	
		TX 166.9750	TX 166.9750	TX 166.9750	TX 166.9750	TX 166.9750	TX 166.9750	TX 166.9750	TX 166.9750	TX 168.3000	TX 168.0500	TX 168.2000	TX 168.2000	TX 168.3500	TX 168.4875	TX 168.4875	
		TX-CG 136.5	TX-CG 136.5	TX-CG 162.2	TX-CG 123.0	TX-CG 110.9	TX-CG 156.7	TX-CG 123.0	TX-CG 123.0	TX 164.0875	TX 164.0875	TX 168.0500	TX 168.2000	TX 168.3500	TX 168.4875	TX 168.4875	
49	CA CDD	CDFire R	CDDAdmin R	BLM SOA	MNP Dir	MNP Rptr	NFCT2	VFIRE 24	VFIRE 25	VFIRE 26	BDC V4 R	LVD RPT	CALCORD	A/G 59	A/G 53	Airguard	
		RX 166.4875	RX 166.4875	RX 168.3000	RX 169.9875	RX 169.9875	RX 168.2000	RX 168.2000	RX 154.2875	RX 154.2875	RX 154.3025	RX 151.1525	RX 169.4000	RX 156.0750	RX 168.4875	RX 168.6250	
		TX 167.0750	TX 166.9750	TX 168.3000	TX 169.9875	TX 169.9875	TX 168.2000	TX 168.2000	TX 154.2875	TX 154.2875	TX 154.3025	TX 158.8875	TX 168.5250	TX 156.0750	TX 168.4875	TX 168.6250	
		TX 167.0750	TX 166.9750	TX 168.3000	TX 169.9875	TX 169.9875	TX 168.2000	TX 168.2000	TX 154.2875	TX 154.2875	TX 154.3025	TX 158.8875	TX 168.5250	TX 156.0750	TX 168.4875	TX 168.6250	
50	AZ Strip	Big Mtn	Hudson	Black Rock	Scrub	Big Ridge	Moccasin	Logan	SOA Rptr	TAC 1	TAC 2	TAC 2	A/G 19	A/G 24	TX-CG 110.9	TX-CG 110.9	
		RX 173.8250	RX 173.8250	RX 173.8250	RX 173.8250	RX 173.8250	RX 173.8250	RX 173.8250	RX 173.8250	RX 168.7750	RX 166.5000	RX 166.9625	RX 168.2750	RX 168.1250	RX 168.6375	RX 168.6375	
		TX 166.3375	TX 166.3375	TX 166.3375	TX 166.3375	TX 166.3375	TX 166.3375	TX 166.3375	TX 166.3375	TX 164.9125	TX 166.5000	TX 166.9625	TX 168.2750	TX 168.1250	TX 168.6375	TX 168.6375	
		TX-CG 110.9	TX-CG 123.0	TX-CG 131.8	TX-CG 136.5	TX-CG 146.2	TX-CG 156.7	TX-CG 156.7	TX-CG 156.7	TX 164.9125	TX 166.5000	TX 166.9625	TX 168.2750	TX 168.1250	TX 168.6375	TX 168.6375	
51	AZ CRD	Telegraph	Black Mtn	Cunningham	Black Metal	Greenwood	Xmas Tree	Perkins	Hayden	VFIRE21	Fire TAC 1	Fire TAC 1	Crew 2/GC2	A/G 60	TX 169.1250	TX 169.1250	
		RX 173.8250	RX 173.8250	RX 173.8250	RX 169.7750	RX 170.5125	RX 169.7750	RX 169.7750	RX 170.5125	RX 170.5125	RX 167.1750	RX 168.2750	RX 168.3500	RX 169.1250	RX 169.1250	RX 169.1250	
		TX 163.5750	TX 163.5750	TX 163.5750	TX 169.0750	TX 164.2500	TX 169.0750	TX 169.0750	TX 164.2500	TX 164.2500	TX 164.2500	TX 168.5375	TX 168.2750	TX 168.3500	TX 169.1250	TX 169.1250	
		TX-CG 131.8	TX-CG 131.8	TX-CG 103.5	TX-CG 146.2	TX-CG 156.7	TX-CG 156.7	TX-CG 156.7	TX-CG 156.7	TX 164.2500	TX 164.2500	TX 168.5375	TX 168.2750	TX 168.3500	TX 169.1250	TX 169.1250	
52	SND Co Op	PHFD TAC 1	PHFD TAC 2	CCFD 7 Potosi	CCFD 7 Local	Nye Co Local	VFIRE21	CCFD 7 Virgin	Mesquite FD	CCFD 8 Gas	BLM SOA	FS SOA	NV TAC 1	P A/G 23	S A/G 8	Chan COM 2	
		RX 153.8900	RX 154.4450	RX 154.3400	RX 154.3400	RX 155.6250	RX 154.2800	RX 154.3400	RX 158.9700	RX 154.4150	RX 158.9700	RX 171.6750	RX 168.7750	RX 169.4375	RX 166.7625	RX 168.7500	RX 168.3500
		TX 153.8900	TX 154.4450	RX-CG 103.5	RX-CG 103.5	TX 153.7700	TX 154.2800	RX-CG 162.2	RX-CG 162.2	TX 154.4150	RX 158.9700	RX-CG 131.8	RX-NAC \$47C	TX 169.4375	TX 166.8750	TX 168.3500	TX 168.3500
		TX 153.8900	TX 154.4450	TX 153.7700	TX 154.3400	TX 155.6250	TX 154.2800	TX 153.7700	TX 154.2800	TX 154.4150	TX 158.9700	TX 171.6750	TX 168.7750	TX 169.4375	TX 166.8750	TX 168.3500	TX 168.3500

## R4 NV SMNRA Groups

Zone 17	VEGAS ADMIN	Chan 1	FS CHARLS	RX 172.2750	Chan 2	FS ANGEL	RX 172.2750	Chan 3	FS POTOSI	RX 172.2750	Chan 4	BLM NV SOA	RX 171.6750	Chan 5	FS R4 SOA	RX 168.7750	Chan 6	BLM RED ROCK	RX 172.5250	Chan 7	BLM HAYFORD	RX 173.0500	Chan 8	FS ANGEL TAC	RX 170.4750	Chan 9	FS CHARLS TAC	RX 170.4750	Chan 10	GOV COM2	RX 168.3500	Chan 11	VFIRE 21	RX 154.2800	Chan 12	PAHRUMP	RX 154.4450	Chan 13	CC POTOT	RX 154.3400	Chan 14	CC GASS8	RX 158.9700	Chan 15	CC CHARL	RX 158.8200	Chan 16	P A/G 23	RX 166.7625
		Chan 1	TX 164.5000	Chan 2	TX 164.5000	Chan 3	TX 164.5000	Chan 4	TX 171.6750	Chan 5	TX 168.7750	Chan 6	RX-CG 114.8	Chan 7	RX-CG 114.8	Chan 8	TX 166.2375	Chan 9	RX-CG 114.8	Chan 10	TX 164.4750	Chan 11	TX 164.1500	Chan 12	TX 164.1500	Chan 13	TX 164.1500	Chan 14	TX 153.7700	Chan 15	RX-CG 103.5	Chan 16	TX 154.7400																
		Chan 1	TX 164.5000	Chan 2	TX 164.5000	Chan 3	TX 164.5000	Chan 4	TX 171.6750	Chan 5	TX 168.7750	Chan 6	RX-CG 114.8	Chan 7	RX-CG 114.8	Chan 8	TX 166.2375	Chan 9	RX-CG 114.8	Chan 10	TX 164.4750	Chan 11	TX 164.1500	Chan 12	TX 164.1500	Chan 13	TX 164.1500	Chan 14	TX 153.7700	Chan 15	RX-CG 103.5	Chan 16	TX 154.7400																
		Chan 1	TX 164.5000	Chan 2	TX 164.5000	Chan 3	TX 164.5000	Chan 4	TX 171.6750	Chan 5	TX 168.7750	Chan 6	RX-CG 114.8	Chan 7	RX-CG 114.8	Chan 8	TX 166.2375	Chan 9	RX-CG 114.8	Chan 10	TX 164.4750	Chan 11	TX 164.1500	Chan 12	TX 164.1500	Chan 13	TX 164.1500	Chan 14	TX 153.7700	Chan 15	RX-CG 103.5	Chan 16	TX 154.7400																
		Chan 1	TX 164.5000	Chan 2	TX 164.5000	Chan 3	TX 164.5000	Chan 4	TX 171.6750	Chan 5	TX 168.7750	Chan 6	RX-CG 114.8	Chan 7	RX-CG 114.8	Chan 8	TX 166.2375	Chan 9	RX-CG 114.8	Chan 10	TX 164.4750	Chan 11	TX 164.1500	Chan 12	TX 164.1500	Chan 13	TX 164.1500	Chan 14	TX 153.7700	Chan 15	RX-CG 103.5	Chan 16	TX 154.7400																
	VEGAS FIRE	Chan 1	TX 164.5000	Chan 2	TX 164.5000	Chan 3	TX 164.5000	Chan 4	TX 171.6750	Chan 5	TX 168.7750	Chan 6	RX-CG 114.8	Chan 7	RX-CG 114.8	Chan 8	TX 166.2375	Chan 9	RX-CG 114.8	Chan 10	TX 164.4750	Chan 11	TX 164.1500	Chan 12	TX 164.1500	Chan 13	TX 164.1500	Chan 14	TX 153.7700	Chan 15	RX-CG 103.5	Chan 16	TX 154.7400																
		Chan 1	TX 164.5000	Chan 2	TX 164.5000	Chan 3	TX 164.5000	Chan 4	TX 171.6750	Chan 5	TX 168.7750	Chan 6	RX-CG 114.8	Chan 7	RX-CG 114.8	Chan 8	TX 166.2375	Chan 9	RX-CG 114.8	Chan 10	TX 164.4750	Chan 11	TX 164.1500	Chan 12	TX 164.1500	Chan 13	TX 164.1500	Chan 14	TX 153.7700	Chan 15	RX-CG 103.5	Chan 16	TX 154.7400																
		Chan 1	TX 164.5000	Chan 2	TX 164.5000	Chan 3	TX 164.5000	Chan 4	TX 171.6750	Chan 5	TX 168.7750	Chan 6	RX-CG 114.8	Chan 7	RX-CG 114.8	Chan 8	TX 166.2375	Chan 9	RX-CG 114.8	Chan 10	TX 164.4750	Chan 11	TX 164.1500	Chan 12	TX 164.1500	Chan 13	TX 164.1500	Chan 14	TX 153.7700	Chan 15	RX-CG 103.5	Chan 16	TX 154.7400																
		Chan 1	TX 164.5000	Chan 2	TX 164.5000	Chan 3	TX 164.5000	Chan 4	TX 171.6750	Chan 5	TX 168.7750	Chan 6	RX-CG 114.8	Chan 7	RX-CG 114.8	Chan 8	TX 166.2375	Chan 9	RX-CG 114.8	Chan 10	TX 164.4750	Chan 11	TX 164.1500	Chan 12	TX 164.1500	Chan 13	TX 164.1500	Chan 14	TX 153.7700	Chan 15	RX-CG 103.5	Chan 16	TX 154.7400																
		Chan 1	TX 164.5000	Chan 2	TX 164.5000	Chan 3	TX 164.5000	Chan 4	TX 171.6750	Chan 5	TX 168.7750	Chan 6	RX-CG 114.8	Chan 7	RX-CG 114.8	Chan 8	TX 166.2375	Chan 9	RX-CG 114.8	Chan 10	TX 164.4750	Chan 11	TX 164.1500	Chan 12	TX 164.1500	Chan 13	TX 164.1500	Chan 14	TX 153.7700	Chan 15	RX-CG 103.5	Chan 16	TX 154.7400																
Tone Select	Chan 1	TX 164.5000	Chan 2	TX 164.5000	Chan 3	TX 164.5000	Chan 4	TX 171.6750	Chan 5	TX 168.7750	Chan 6	RX-CG 114.8	Chan 7	RX-CG 114.8	Chan 8	TX 166.2375	Chan 9	RX-CG 114.8	Chan 10	TX 164.4750	Chan 11	TX 164.1500	Chan 12	TX 164.1500	Chan 13	TX 164.1500	Chan 14	TX 153.7700	Chan 15	RX-CG 103.5	Chan 16	TX 154.7400																	
	Chan 1	TX 164.5000	Chan 2	TX 164.5000	Chan 3	TX 164.5000	Chan 4	TX 171.6750	Chan 5	TX 168.7750	Chan 6	RX-CG 114.8	Chan 7	RX-CG 114.8	Chan 8	TX 166.2375	Chan 9	RX-CG 114.8	Chan 10	TX 164.4750	Chan 11	TX 164.1500	Chan 12	TX 164.1500	Chan 13	TX 164.1500	Chan 14	TX 153.7700	Chan 15	RX-CG 103.5	Chan 16	TX 154.7400																	

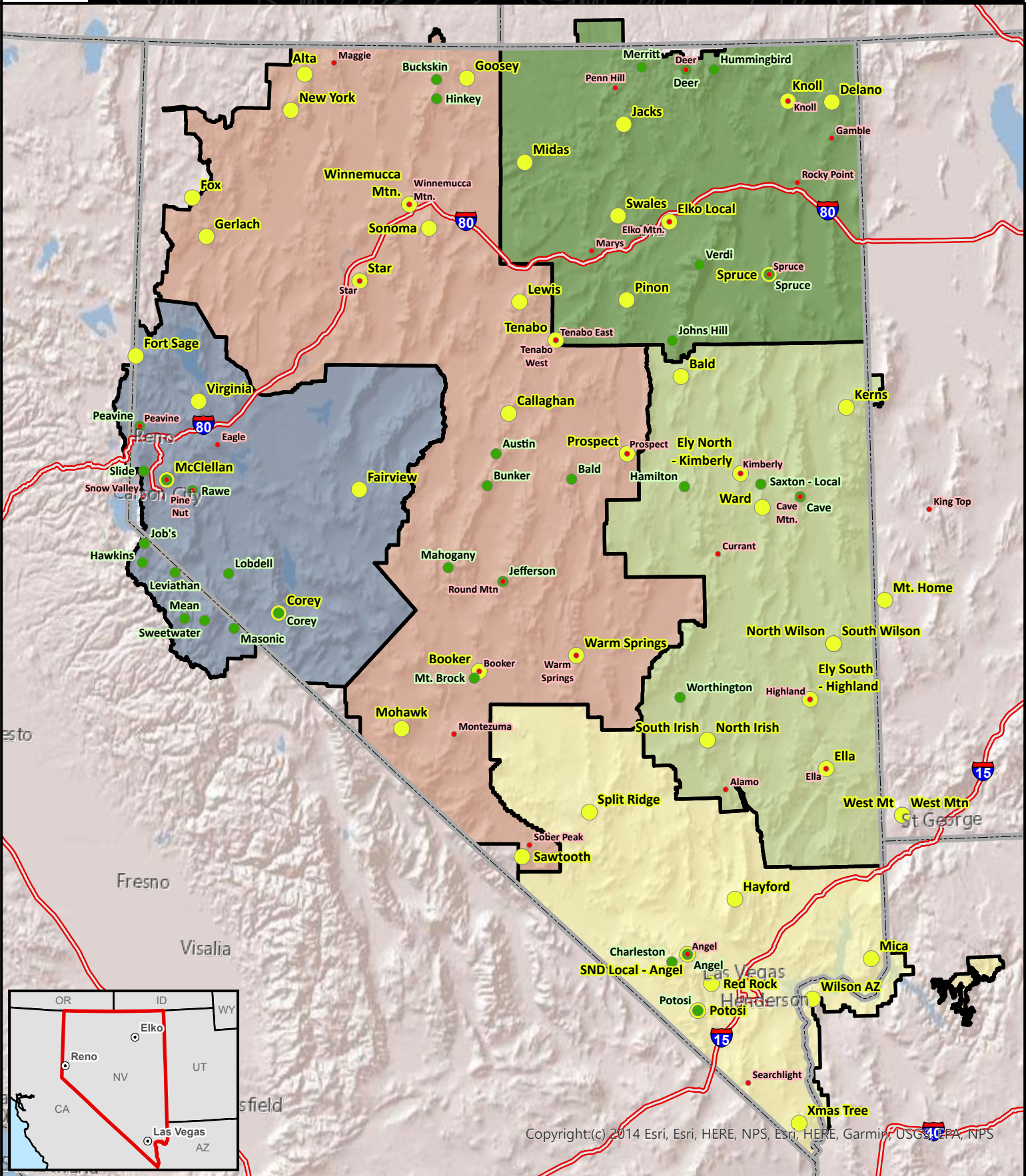




# Nevada Repeater Locations

NV-BLM, NV-HTF and NDF

Nevada Fire & Aviation  
Bureau of Land Management  
U.S. Department of the Interior



Copyright(c) 2014 Esri, Esri, HERE, NPS, Esri, HERE, Garmin, USGS, EPA, NPS

Date: 2023-04-25

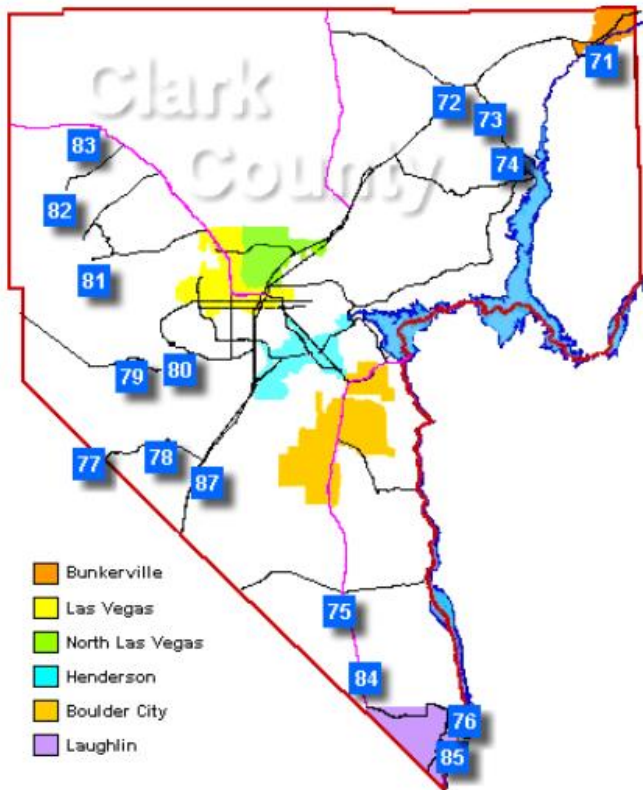
No Warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual use or aggregate use with other data.

• NDF • USFS • BLM

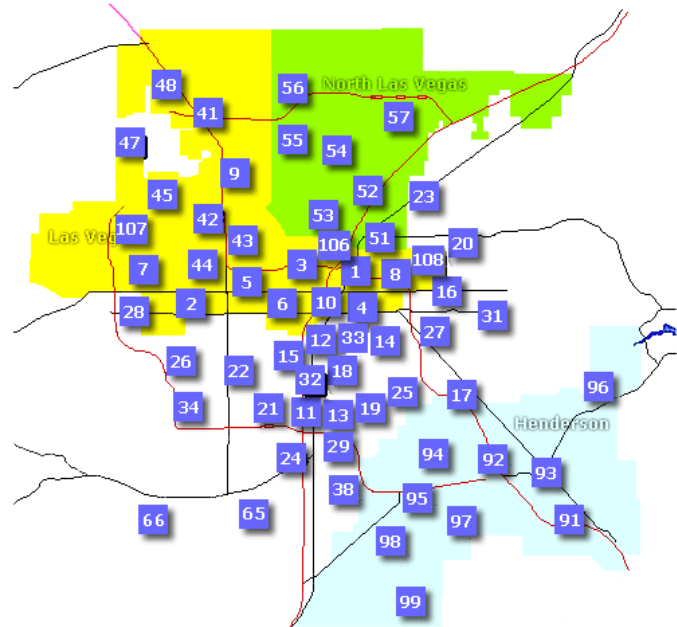
NORTH  
1:3,489,310

# Clark County Fire Stations

## Rural Fire Stations



## Urban Fire Stations



Station	Rural Fire Station Name	Address
71	Station 71 (Bunkerville Station)	200 W VIRGIN ST, Bunkerville, NV 89007
72	Station 72 (Moapa Station)	22 E SR 168, Moapa, NV 89025
73	Station 73 (Logandale Station)	3570 LYMAN ST, Logandale/Overton, NV 89021
74	Station 74 (Overton Station)	310 N MOAPA VALLEY BLVD, Logandale/Overton, NV 89040
75	Station 75 (Searchlight Station)	255 S NEVADA ST, Searchlight, NV 89046
76	Station 76	50 Laughlin Civic Dr, Laughlin, NV 89029
77	Station 77 (Sandy Valley Station)	650 W QUARTZ AVE, Sandy Valley, NV 89019
78	Station 78 (Goodsprings Station)	375 N BEACON ST, Goodsprings, NV 89019
79	Station 79 (Mtn. Springs Station)	2100 SR 160, Mountain Springs, NV 89161
80	Station 80 (Blue Diamond Station)	28 COTTONWOOD DR, Redrock Basin, NV 89004
81	Station 81 (Mt. Charleston Station)	25 SKI CHALET PL, Mt Charleston, NV 89124
82	Station 82 (Cold Creek Station)	0 CAMP BONANZA RD, Clark County, NV 89124
83	Station 83 (Indian Springs Station)	715 W GRETTE LN, Indian Springs, NV 89018
84	Station 84 (Cal-Nev-Ari Station)	Apache Rd, NV 89039
85	Station 85	3770 S JAMES A BILBRAY PKY, Laughlin, NV 89029
87	Station 87	20400 S LAS VEGAS BLVD, Clark County, NV 89019

# Burn Treatment Guidelines

<http://www.blm.gov/nifc/st/en/prog/fire/im.html>.

The following standards will be used when any firefighter sustains burn injuries, regardless of agency jurisdiction.

All significant burns should be treated as a medical emergency and after on-site medical response, the patient should be transferred to a higher level of care. In most cases, this will be the nearest emergency department (e.g., hospital emergency room) receive an initial evaluation. After initial medical stabilization, and evaluation are completed, the agency administrator or designee having jurisdiction for the incident and/or firefighter representative (e.g., crew boss, medical unit leader, compensations for injury specialist, etc.) should discuss and coordinate with the attending physician to ensure that the injured firefighter understands the plan of care. The spectrum of burn care treatment is complex and can include only wound care and local follow up, to consultation by phone or with videos to a burn center, or even immediate transfer to a burn center.

Burn centers are specialized hospitals that provide surgical and other interventions to burn patients. The American Burn Association has created certain transfer criteria that are to be used by referring physicians and can be found at <https://ameriburn.org/resources/>

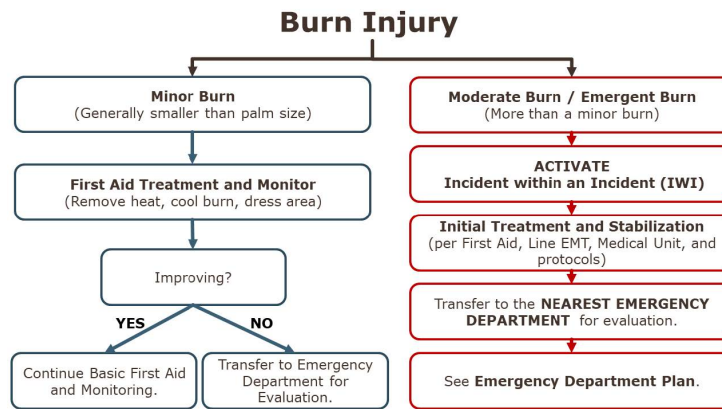
Agency administrators and the patient should understand that burns develop over days and the full extent or exact definitive treatment that will eventually be required may not be able to be determined on the initial emergency department visit. If a patient is discharged from the emergency department, the patient needs to understand when to follow up to have the burn reevaluated.

This referral or follow-up care recommendation is very important for OWCP and should be specified in the discharge documentation. Furthermore, this documentation must be signed by a PHYSICIAN. Workers' compensation benefits may be denied in the event the employee seeks follow-up without a referral from the attending physician after already being seen by a medical provider. A report prepared by a Physicians' Assistant or Nurse Practitioner must be countersigned by a physician to be accepted as medical evidence. A definition of "physician" can be found at [https://www.dol.gov/owcp/dfec/regs/compliance/DFECfolio/FECA 22 PT3/#30100](https://www.dol.gov/owcp/dfec/regs/compliance/DFECfolio/FECA%20PT3/#30100)

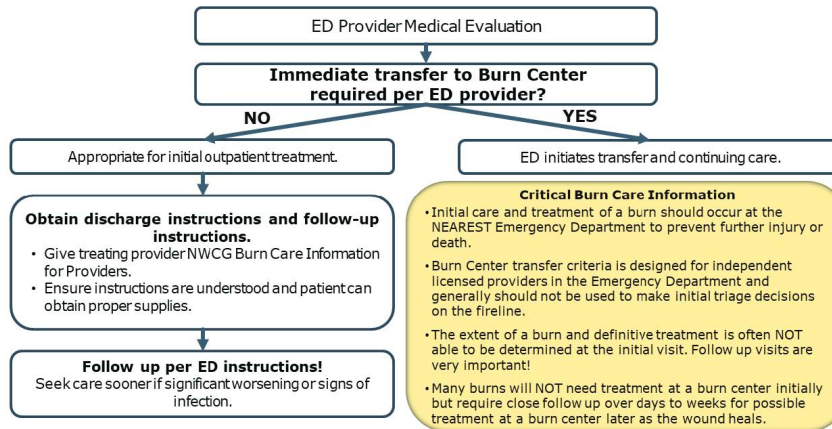
The agency administrator or designee for the incident will coordinate with the employee's home unit to identify a workers' compensation liaison to assist the injured employee with workers' compensation claims and procedures.

The flowsheet below and emergency department information for attendings can be used as well. See <https://www.nwcg.gov/committees/emergency-medical> 28 committee for additional in





## Emergency Department (ED) Burn Evaluation



### Burn Injury Care Guidelines

Thank you for taking care of our wildland firefighters! The information below is provided to help clinicians provide the best care possible for this unique work force. Demographics for Wildland Firefighters

- Wildland firefighters are a diverse group, but generally are under 35 years of age.
- They LOVE their job and want to return from an injury as soon as possible.
- They tend to be very stoic individuals that are accustomed to physical labor.
- They are away from home most of the fire season and are often stationed in another state.

### Occupational Hazards which could result in Impaired Burn Wound Healing and Potential Infection

- Dirty, dusty, smoky work environment.
- Lack of a clean environment to change dressings.
- Living in a tent and large communal camp settings.
- Extreme heat and sometimes cold environments.
- Lifting and carrying heavy loads (up to 85 lbs.) long distances.
- Working in remote and isolated sites.
- Extensive walking and hiking with significant exertional stress.
- Long hours with limited and disrupted sleep.
- Hunger and irregular meals, dehydration.
- Extreme stress in rapid pull-out emergency situations whether fire, falling rocks, or falling trees.

## **Important Information for Emergency Department Providers**

- Most wildland firefighters do not have a Primary Care Provider (PCP) at home and are working remote from where they live.
  - A referral paper trail is important for our workmen's compensation claims. If they are discharged, please include where and approximately when to follow up. Most EMR discharge instructions will suffice so long as it includes the service (e.g., wound care, surgery, burn center). A specific physician name is not needed but please do not put "PRN." Without this referral, significant delays can occur.
  - If local follow-up for a minor injury is needed, please provide specific instructions as transport and/or alternative living conditions may need to be arranged by the fire personnel.
  - If the injured firefighter is not told specifically that they cannot return to the fireline, they will do so. Please List any specific instructions you feel are indicated (e.g., daily dressing changes, do not use right hand until seen at wound care, etc.). Please Do not just state "light duty."
  - Wildland firefighters may be accompanied by an agency representative to help them with transport/instructions and act as a liaison with the fire, home unit, and family for the patient.
  - The fire may have a medical unit that can help with some minor care. These units consist of EMTs in a remote area who only have access to basic over-the-counter medications.
  - Telehealth burn follow up or follow up with a burn center is preferred if available.
- BLM – For emergency assistance with burn injuries, contact the BLM duty officer at 208-387-5876.

## **Medical Emergency Reporting**

1. **If a medical emergency occurs, establish an incident commander for the medical incident and utilize pages 1 -1 , Medical Incident Report, in your IRPG to communicate with LVICC.**
2. **If cell service is available have on sight personnel contact 911 directly.**
3. **In form LVICC of any working cell or satellite phone numbers.**
4. **LVICC will begin medical emergency procedures and notifications as directed**
5. **LVICC will notify Duty Officer(s).**
6. **Responding medical personnel will make a patient destination decision based upon medical needs of the patient and local EMS protocols. Communicate the patient's destination to LVICC for documentation and to ensure agency personnel respond to the appropriate hospital.**
7. **Don't be afraid to disclose medically necessary information if asked such as patient age and vitals but remember to avoid disclosing names of patients/ victims and person ally identifiable information (PII) over the radio. Use your words carefully and remember that radio frequencies are monitored by the public and the press. Review agency policies regarding PII and medical information for more information .**



# Medical Emergency Plan

## Southern Nevada District

Nevada On Call BLM Medical Director: 775-800-6134 or 775-303-6474

Nevada Fire & Aviation  
Bureau of Land Management  
U.S. Department of the Interior



## Medical Incident Report

FOR ALL MEDICAL EMERGENCIES: IDENTIFY ON SCENE I.C. BY NAME AND POSITION AND ANNOUNCE "MEDICAL EMERGENCY" TO INITIATE RESPONSE FROM DISPATCH.

Use items 1 through 8 to communicate situation to dispatch							
<b>1. CONTACT DISPATCH:</b> Ex: "Dispatch, Div. Alpha. Stand-by for Emergency Traffic"							
<b>2. INCIDENT STATUS:</b> Provide incident summary (including number of patients) and command structure. Ex: "Dispatch, I have a Red priority patient, unconscious, struck by a falling tree. Requesting air ambulance to Forest Road at (Lat./Long.). This will be the Trout Meadow Medical, IC is TFLD Jones. EMT Smith is providing medical care."							
Severity of Emergency / Transport Priority	<div><div></div> <b>RED / PRIORITY 1</b> Life or limb threatening injury or illness <b>Evacuation need is IMMEDIATE</b> Ex: Unconscious, difficulty breathing, bleeding severely, 2"-3" burns more than 4 palm sizes, heat stroke, disoriented.</div>						
	<div><div></div> <b>YELLOW / PRIORITY 2</b> Serious injury or illness <b>Evacuation may be DELAYED if necessary</b> Ex: Significant trauma, unable to walk, 2"-3" burns not more than 1-3 palm sizes.</div>						
	<div><div></div> <b>GREEN / PRIORITY 3</b> Minor injury or illness <b>Non-emergency transport</b> Ex: Sprains, strains, minor heat-related illness</div>						
Nature of Injury or Illness & Mechanism of Injury						Brief Summary of Injury or Illness (Ex: Unconscious, Struck by Falling Tree)	
Transport Request						Air Ambulance / Short Haul/Hoist / Ground Ambulance / Other	
Patient Location						Descriptive Location & Lat/Long (WGS 84)	
Incident Name						Geographic Name + "Medical" (Ex: Trout Meadow Medical)	
On-Scene Incident Commander						Name of on-scene IC of incident within an Incident (Ex:TFLD Jones)	
Patient Care						Name of Care Provider (Ex: EMT Smith)	
<b>3. INITIAL PATIENT ASSESSMENT:</b> Complete this section for each patient as applicable (start with the most severe patient).							
Number of patients:	Male / Female	Age:	Weight:	Conscious? <input type="checkbox"/> YES <input type="checkbox"/> NO = <b>RED / PRIORITY 1!</b>  Breathing? <input type="checkbox"/> YES <input type="checkbox"/> NO = <b>RED / PRIORITY 1!</b>			
Initial Vital Signs							
TIME	BP	PULSE	RESP.	PUPILS	SKIN COLOR & TEMP	MEDICATIONS ADMINISTERED	AVPU (mental status/level of conscious) ( <u>A</u> lert   <u>V</u> erbal   <u>P</u> ainful   <u>U</u> nresponsive)
Treatment:							

# Medical Emergency Plan

## Southern Nevada District

Nevada On Call BLM Medical Director: 775-800-6134 or 775-303-6474

Nevada Fire & Aviation  
Bureau of Land Management  
U.S. Department of the Interior



<b>4. TRANSPORT PLAN:</b>					
Evacuation Location (If different): (Descriptive Location (drop point, intersection, etc.) or Lat./Long.)					
Patient's ETA to Evacuation Location:					
Helispot / Extrication Site Size & Hazards:					
<b>5. ADDITIONAL RESOURCES / EQUIPMENT NEEDS:</b>					
<input type="checkbox"/> Paramedic/EMT(s)			<input type="checkbox"/> Crew(s)		
<input type="checkbox"/> Immobilization Devices			<input type="checkbox"/> AED's		
<input type="checkbox"/> Oxygen			<input type="checkbox"/> Trauma Bag		
<input type="checkbox"/> IV/Fluid(s)			<input type="checkbox"/> Splints		
<input type="checkbox"/> Rope Rescue			<input type="checkbox"/> Wheeled Litter		
<input type="checkbox"/> HAZMAT			<input type="checkbox"/> Extrication		
<input type="checkbox"/> Other:					
<b>6. COMMUNICATIONS:</b> Identify State Air/Ground EMS Frequencies and Hospital Contacts as applicable					
Function	Channel Name/#	Receive (RX)	Tone/ NAC*	Transmit (TX)	Tone/ NAC
Command					
Air-to-Ground					
Tactical					
<b>7. CONTINGENCY:</b> Considerations: If primary options fail, what actions can be implemented in conjunction with primary evacuation method? Be thinking ahead.....					
<b>8. ADDITIONAL INFORMATION:</b> Updates/Changes. etc.					
REMEMBER: Confirm ETA's of resources ordered. Act according to your level of training. Be Alert, Keep Calm. Think Clearly. Act Decisively					

Vital Signs							
TIME	BP	PULSE	RESP.	PUPILS	SKIN COLOR & TEMP	MEDICATIONS ADMINISTERED	AVPU (mental status/level of conscious) ( <u>A</u> ALERT   <u>V</u> VERBAL   <u>P</u> PAINFUL   <u>U</u> UNRESPONSIVE)

**Nevada On Call BLM Medical Director: 775-800-6134 or 775-303-6474**

[illegible]

# Medical Emergency Plan

## Southern Nevada District

Nevada On Call BLM Medical Director: 775-800-6134 or 775-303-6474

Nevada Fire & Aviation  
Bureau of Land Management  
U.S. Department of the Interior



## Medical Transport Resources

**ROTOR WING (see map):** 150mi. response area based on one fuel cycle. If injury location is outside of response area helicopter will have to refuel en-route

Use mutual aid VMED / NEVCORD frequencies for communications with air-ambulance resources

**VMED 28 / NEVCORD 1 (primary):** 155.3400 (VHF simplex)

**VMED 29 / NEVCORD 2 (secondary):** 155.3475 (VHF simplex)

Name	Location	Dispatch #	Max Patients	Capabilities
Mercy Air	Henderson, Pahrump, Mesquite, NV	800-222-3456	2	Night Flight
Intermountain Lifeflight	Salt Lake City, St. George, UT	801-321-1234	1	Night Flight
Las Vegas Metro	North Las Vegas, NV	702-828-3567 or 3552	Extraction/SAR Only	SAR, Hoist, Night Flight
*Military	NAS Fallon, NV & Nellis AFB Las Vegas, NV	800-851-3051	Varies	Hoist & Night Flight

\* Military does not require pre-approval, call direct.

**FIXED WING:** Larger response area, fuel is not normally a factor. Consider ordering with a rotor wing if more than 1 patient

Name	Location	Dispatch #	Max Patients	Aircraft
Life Guard Int.	Las Vegas & Tonopah, NV	888-359-6428	2	King Air C90, B100, B200 & LearJet 35A
MedX AirOne	Ely, NV	844-771-4955	2	Pilatus PC-12 NG

### GROUND TRANSPORT:

Name	Location	Contact #	No. of Units	Life Support Rating
Clark County Dispatch	Multiple locations	702-229-0291	Multiple	Advanced
Nye County	Multiple locations	775-784-1626	Multiple	Advanced
Esmeralda County	Multiple Locations	775-485-6370	Multiple	Intermediate
Lincoln County	Multiple locations	775-962-8080	Multiple	Intermediate

### AIRPORTS (see map):

Airport	Des.	Lat/Lon	Contact #	Elev.	Runway	Surface	Fuel
Beatty	BTY	36° 51' 40"N, 116° 47' 13"W	775-751-6855	3120	5615 x 60 ft.	Asphalt	No Fuel
Boulder City	BVU	35° 56' 51"N, 114° 51' 40"W	702-293-9405	2146	4803 x 75 ft.	Asphalt	100LL & Jet A
Goldfield	OL4	37° 29' 09"N, 117° 11' 27"W	775-485-3406	4682	6100 x 80 ft.	Dirt	No Fuel
McCarran International	LAS	36° 04' 59"N, 115° 09' 13"W	702-261-5605	2110	14512 x 150 ft.	Concrete	100LL & Jet A
Mesquite	67L	36° 49' 60"N, 114° 03' 30"W	702-346-5295	1913	5121 x 75 ft.	Asphalt	100LL & Jet A
North Las Vegas	VGT	36° 12' 36"N, 115° 11' 42"W	702-261-3800	2188	5005 x 75 ft.	Asphalt	100LL & Jet A
Overton-Echo Bay	OL9	36° 18' 40"N, 114° 27' 50"W	702-293-8908	1509	3400 x 50 ft.	Asphalt	No Fuel
Overton-Perkins	U08	36° 34' 05"N, 114° 26' 36"W	702-397-9617	1358	4811 x 75 ft.	Asphalt	100LL Only
Sandy Valley	3L2	35° 47' 43"N, 115° 37' 38"W	702-723-5123	2575	3340 x 45 ft.	Asphalt	No Fuel

# Medical Emergency Plan

## Southern Nevada District

Nevada On Call BLM Medical Director: 775-800-6134 or 775-303-6474

Nevada Fire & Aviation  
Bureau of Land Management  
U.S. Department of the Interior



## Medical Care Resources

Definitive Care (see map):				
Type	Name	Address	Lat/Lon	Contact #
Medical Trauma Burn	Univ. Med. Center/Lion's Burn Center	1800 Charleston Blvd. Las Vegas, NV	36° 09' 36"N, 115° 09' 59"W	702-383-2575
	University Medical Center	1800 Charleston Blvd. Las Vegas, NV	36° 09' 36"N, 115° 09' 59"W	702-383-3969
	St. Rose Dominican, Siena Campus	3001 St. Rose Parkway Henderson, NV.	36° 02' 18"N, 114° 59' 06"W	702-616-5600
	Sunrise Hospital & Med. Center	3186 South Maryland Parkway Las Vegas, NV	36° 07' 57"N, 115° 08' 07"W	702-731-8098
Medical	Advanced Medical Center	1501 E Calvada Blvd. Pahrump, NV	36° 11' 29"N, 115° 59' 14"W	775-727-5500
	Boulder City Hospital	901 Adam Blvd. Boulder City, NV	35° 58' 04"N, 114° 50' 34"W	702-294-5751
	Dixie Reg. Med. Center	1380 S Medical Center Dr. St. George, UT	37° 05' 52"N, 113° 33' 13"W	435-251-1059
	Henderson Hospital	1050 W. Galleria Dr. Henderson, NV 89011	36° 04' 22"N, 115° 01' 49"W	Main Line: 702-963-7000 Nurses Station: 702-963-7100
	Mesa View Reg. Hospital	1299 Bertha Howe Mesquite, NV	36° 48' 36"N, 114° 06' 57"W	702-346-2612
	Mountain View Hospital	3100 N. Tenaya Way Las Vegas, NV	36° 12' 58"N, 115° 14' 56"W	702-255-5025
	Summerlin Hospital	657 N. Town Center Dr. Las Vegas, NV	36° 10' 52"N, 115° 19' 02"W	702-233-7033
	Valley Hospital	620 Shadow Lane Las Vegas, NV	36° 09' 47"N, 115° 09' 59"W	702-388-4506
	Westen Arizona Reg. Med. Center	2735 Silver Cr. Rd. Bullhead City, AZ	35° 06' 39"N, 114° 33' 18"W	928-763-0245
Poison Control	American Association of Poison Control Centers	National	Several Locations	800-222-1222
	Nevada Poison Center	Nevada	Several Locations	800-446-6179
	Utah Poison Control Center	Easten Nevada / Utah	Several Locations	801-587-0600

## Law Enforcement Resources

NEVADA HIGHWAY PATROL: 775-687-5300	
Las Vegas (Southern Command) 702-486-4100	
Alamo	775-725-3325
Beatty	775-553-9358
Indian Springs	702-879-3025
Jean	702-874-1284
Laughlin	702-298-7455
Moapa	702-864-2323
Pahrump	775-727-7090

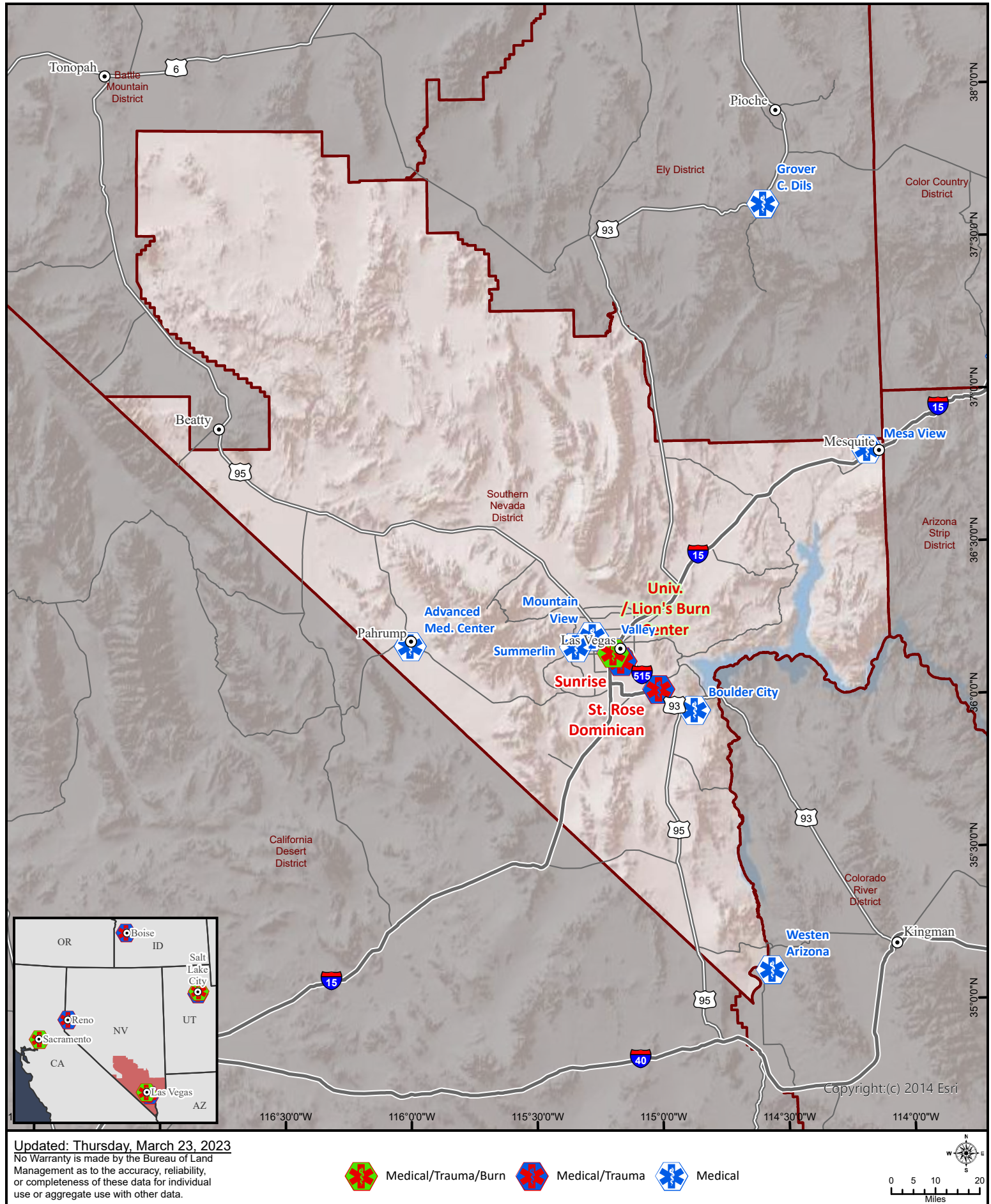
SHERIFF'S OFFICES	
Clark County Sheriff's Office	702-455-0000
Lincoln County Sheriff's Office	775-962-8080
Nye County Sheriff's Office	775-482-8101
SEARCH & RESCUE	
Metro Search & Rescue – Las Vegas	702-828-3567 or 3552
*Military Search & Rescue-Blackjack*	702-653-4707
*Military Search and Rescue Langley*	800-851-3051
*Requests can go direct through this number, no additional approval needed	

# Medical Emergency Plan

## Southern Nevada District

### Regional Medical/Trauma/Burn Centers

Nevada Fire & Aviation  
Bureau of Land Management  
U.S. Department of the Interior



Updated: Thursday, March 23, 2023

No Warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual use or aggregate use with other data.



Medical/Trauma/Burn



Medical/Trauma



Medical



0 5 10 20  
Miles

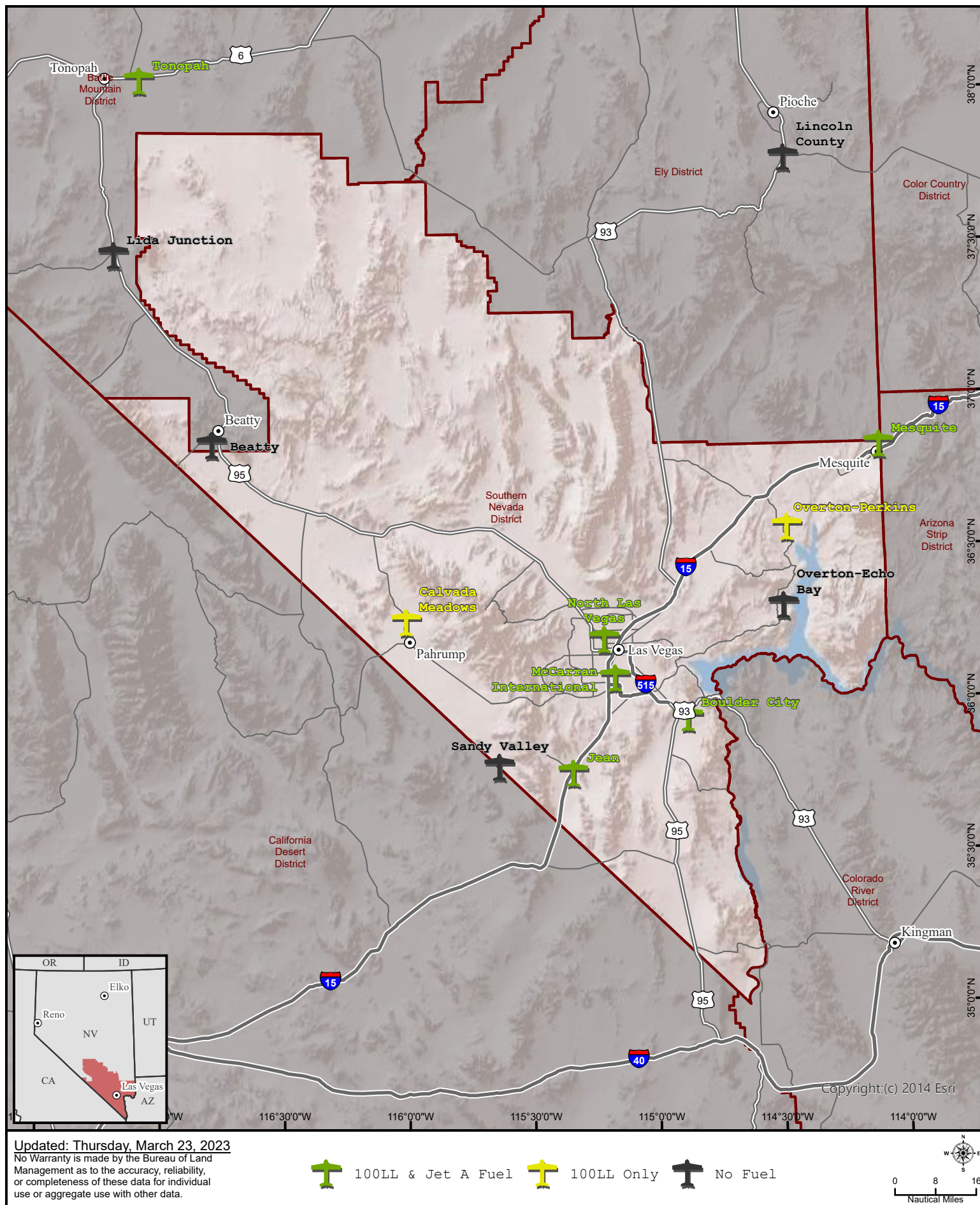


# Medical Emergency Plan

## Southern Nevada District

### Airports & Fuel Availability

Nevada Fire & Aviation  
Bureau of Land Management  
U.S. Department of the Interior



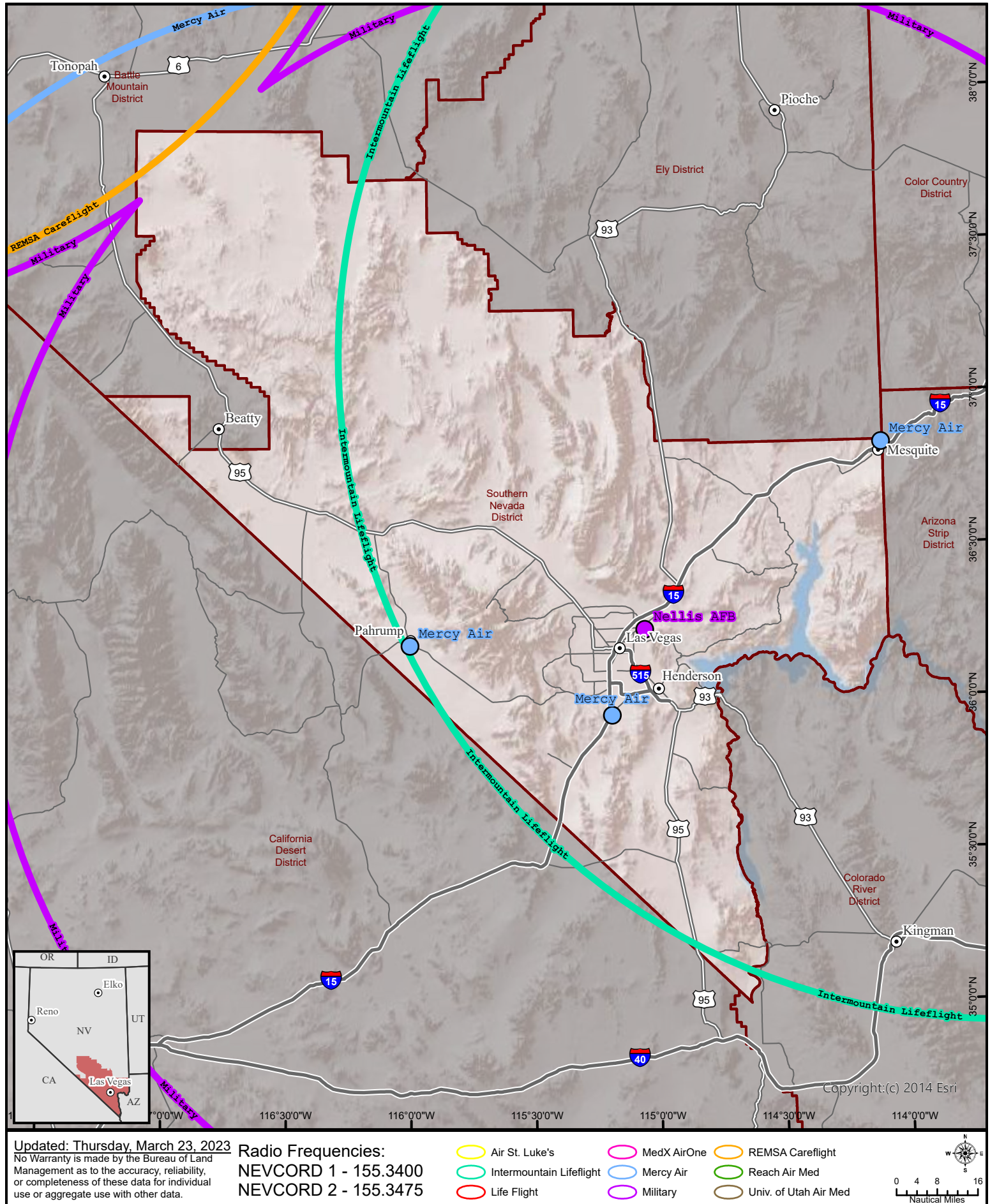


# Medical Emergency Plan

## Southern Nevada District

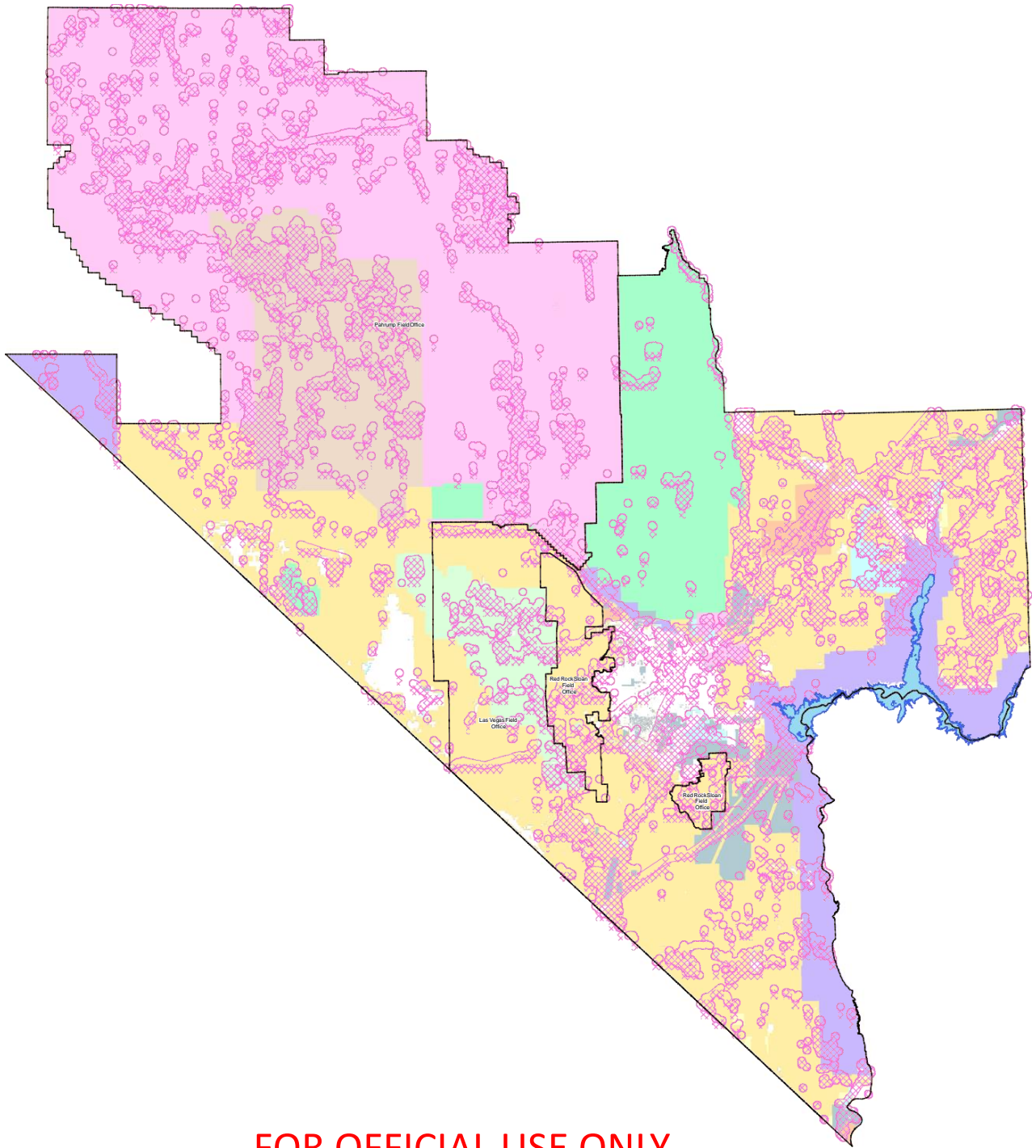
Rotorwing Coverage - 150mi Radius

Nevada Fire & Aviation  
Bureau of Land Management  
U.S. Department of the Interior





# Southern Nevada District Office



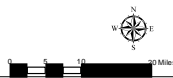
**FOR OFFICIAL USE ONLY**



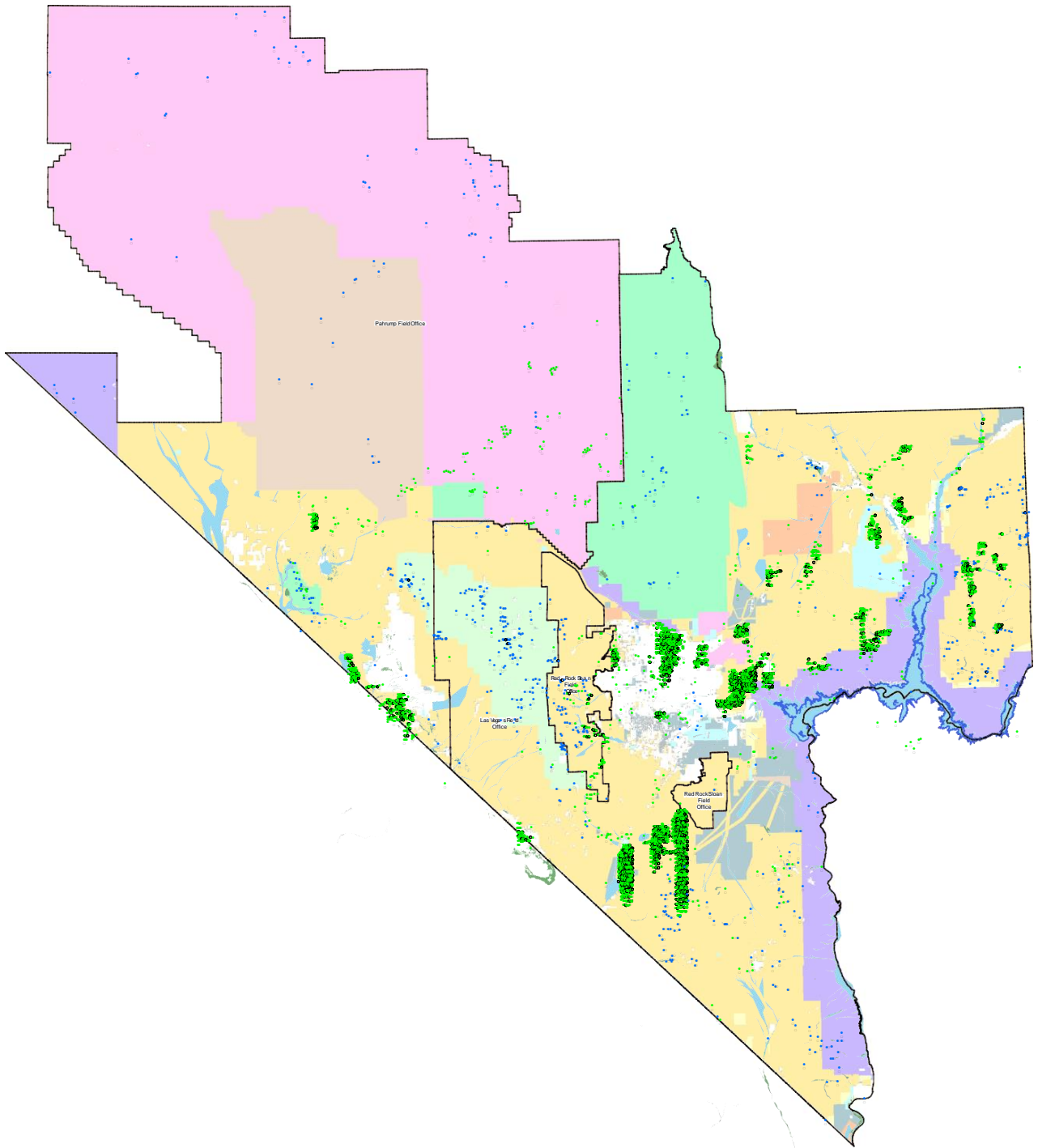
No Warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual use or aggregation with other data.

## Legend

SNDO Field Office	Bureau of Indian Affairs	Fish and Wildlife Service
Lake Mead	Bureau of Land Management	Forest Service
Cultural Resource Protection Area	Bureau of Reclamation	National Park Service
	Department of Defense	Nevada State
	Department of Energy	Local Government
		Private



# Southern Nevada District Office



## Legend

SNDO Field Office	<b>SNDO Land Status</b>	Fish and Wildlife Service
BLM Sensitive Plant	Bureau of Indian Affairs	Forest Service
Spring Location	Bureau of Land Management	National Park Service
Lake Mead	Bureau of Reclamation	Nevada State
FEMA Flood Zone A	Department of Defense	Local Government
Mesquite Acacia Habitat	Department of Energy	Private



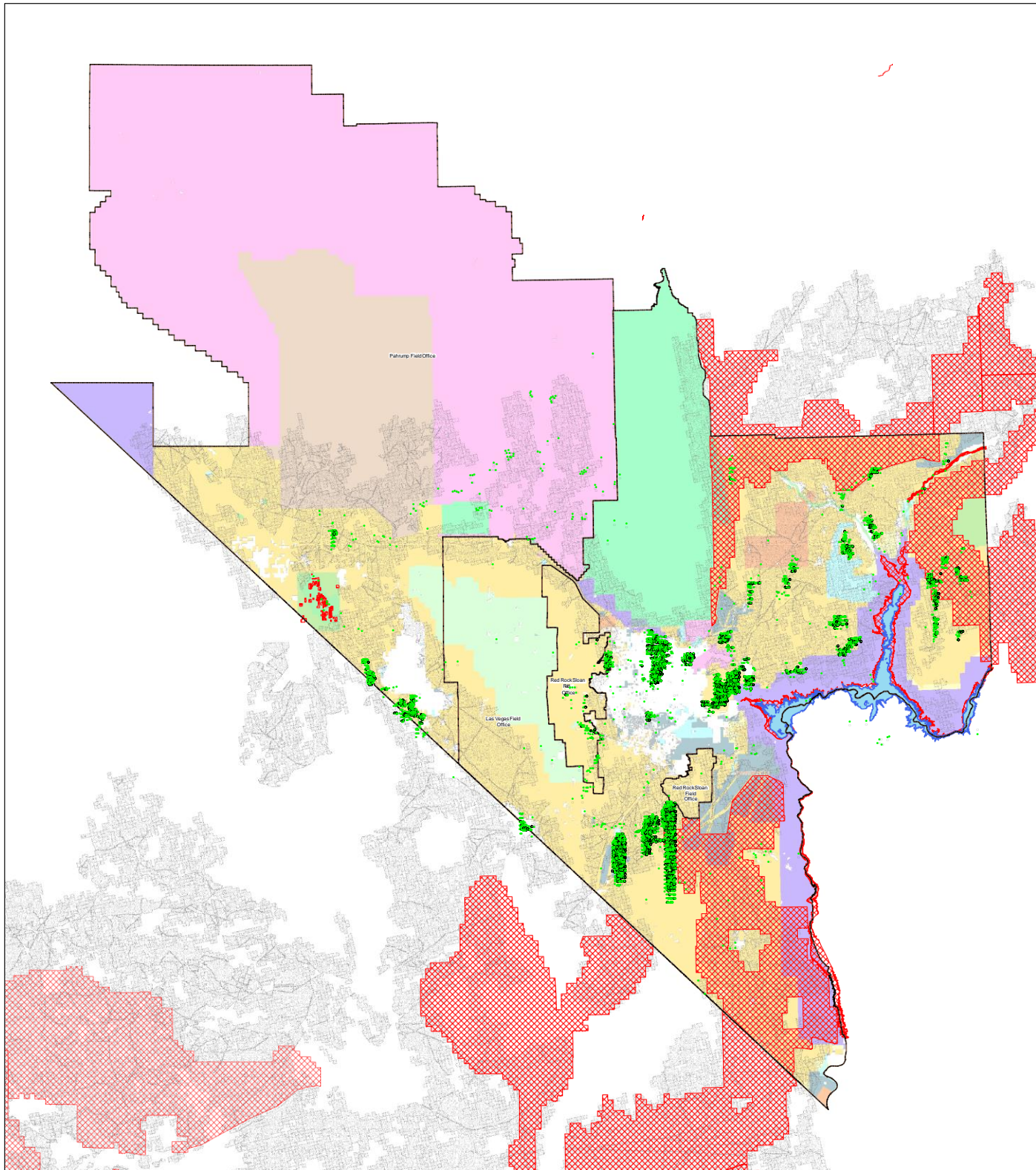
No Warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual use or aggregation with other data.



0 5 10 Miles



# Southern Nevada District Office

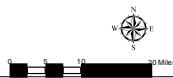


## Legend

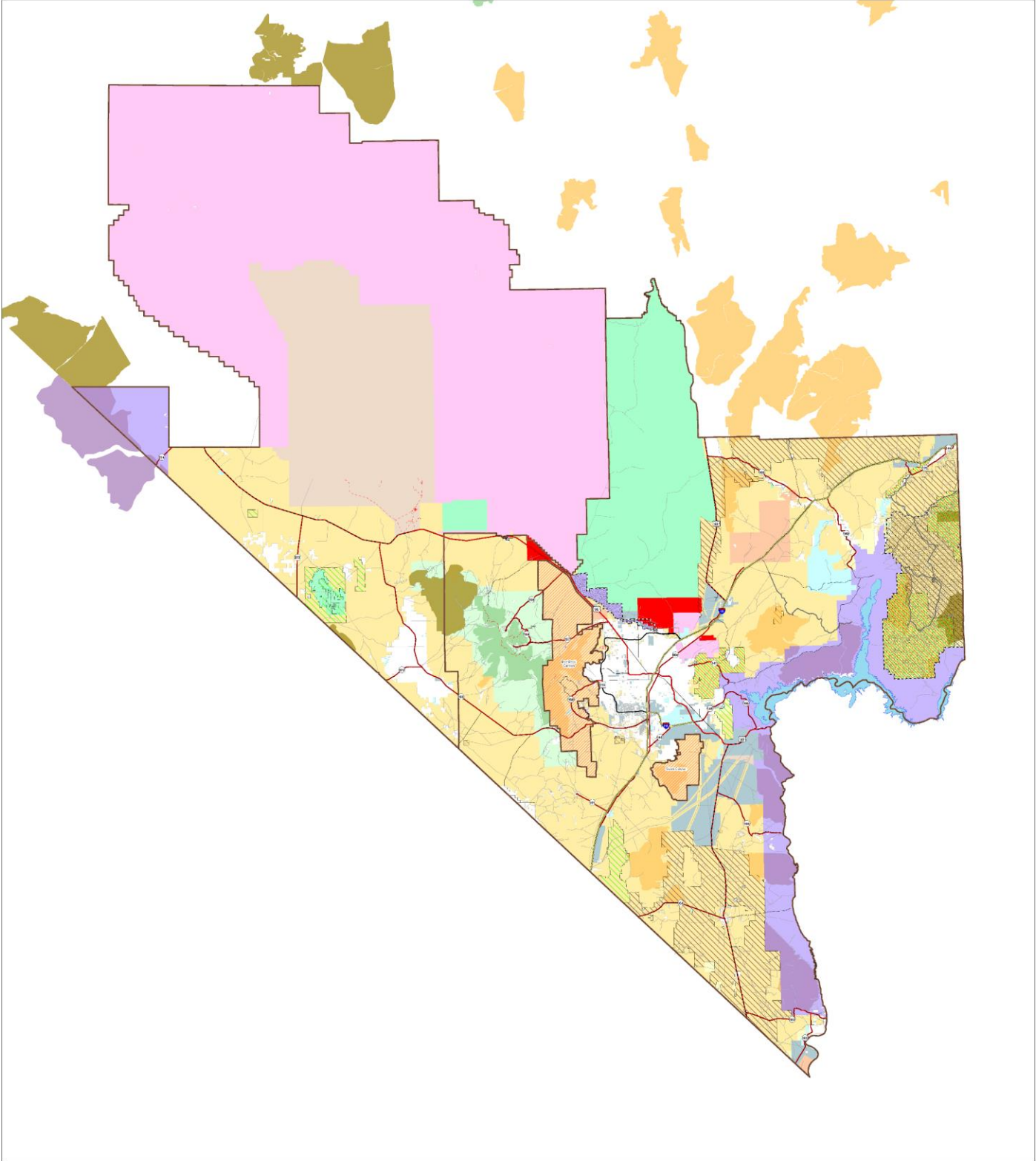
- |  |   |   |
|--|---|---|
| <ul style="list-style-type: none"> <li>BLM Sensitive Plant</li> <li>SNDO Field Office</li> <li>Lake Mead</li> <li>UFWS Critical Habitat</li> <li>Desert Tortoise High Value Contiguous Habitat</li> <li>SNDO Special Status Species</li> </ul> | <b>SNDO Land Status</b> <ul style="list-style-type: none"> <li>Bureau of Indian Affairs</li> <li>Bureau of Land Management</li> <li>Bureau of Reclamation</li> <li>Department of Defense</li> <li>Department of Energy</li> </ul> | <ul style="list-style-type: none"> <li>Fish and Wildlife Service</li> <li>Forest Service</li> <li>National Park Service</li> <li>Nevada State</li> <li>Local Government</li> <li>Private</li> </ul> |
|--|---|---|



No Warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual use or aggregation with other data.



# Southern Nevada District Office



**Legend**

SNDO Field Office	ACEG Biological	SNDO Land Status Bureau of Indian Affairs	Fish and Wildlife Service
Lake Mead	ACEG Cultural	SNDO Land Status Bureau of Land Management	Forest Service
SNDO National Monument	ACEG Cultural/Biological	SNDO Land Status Bureau of Reclamation	National Park Service
BLM National Conservation Area	ACEG Desert Tortoise	SNDO Land Status Department of Defense	Nevada State
BLM Wilderness	ACEG Geologic	SNDO Land Status Department of Energy	Local Government
Formerly Used Defense Site			Private
BLM Wilderness Study Area			
Forest Service Wilderness			
National Park Wilderness			

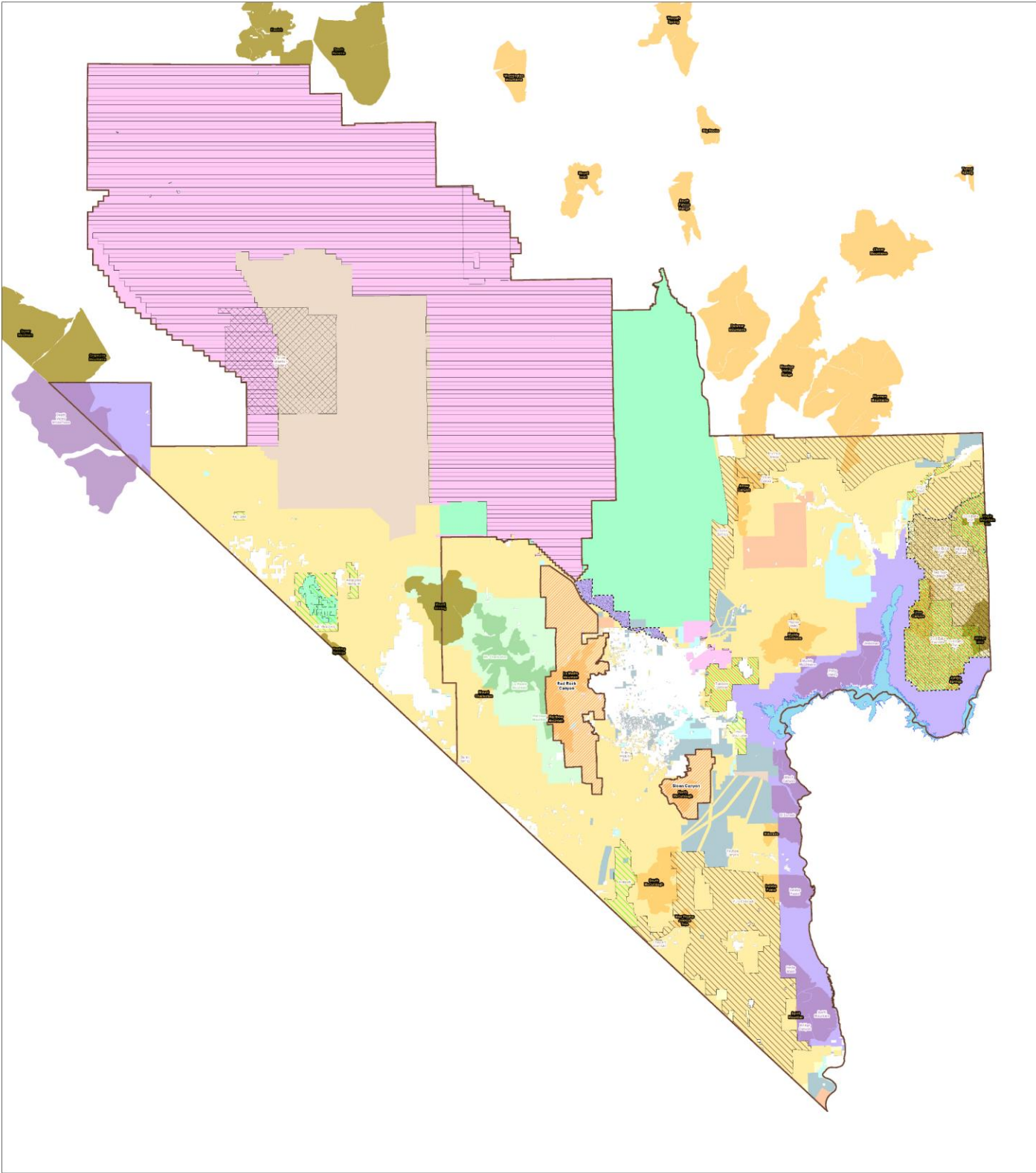
U.S. DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
1500 EAST 15TH AVENUE  
DENVER, CO 80202  
303-733-1500  
www.blm.gov



0 5 10 20 Miles



# Southern Nevada District Office



## Legend

SNDO Field Office	Nellis Test and Training Range (Withdrawal)	SNDO Land Status	Fish and Wildlife Service
Lake Mead	SNDO National Monument	Bureau of Indian Affairs	Forest Service
ACEQ	National Conservation Area	Bureau of Land Management	National Park Service
Unknown	BLM Wilderness	Bureau of Reclamation	Nevada State
Biological	BLM Wilderness Study Area	Department of Defense	Local Government
Cultural	Forest Service Wilderness	Department of Energy	Private
Cultural/Biological	National Park Wilderness		
Desert Tortoise			
Geologic			



No Warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual use or aggregate use with other data.



Table 1. Required Authorizations for Suppression Activities in Southern Nevada Wilderness.

Wilderness Being Affected									
Arrow Canyon	Eldorado / Ireteba Peaks / Mt. Charleston / Spirit Mountain*	Jumbo Springs / Lime Canyon,	La Madre Mountain / Rainbow Mountain/ WSA's(Mount Sterling, Resting Springs, Milton Hills) Virgin Mountain ISA	Meadow Valley Range / Mormon Mountains	Muddy Mountains	North McCullough	South McCullough	Wee Thump Joshua Tree	
Motor Vehicles (Terrestrial) <sup>1</sup>	DM <sup>1.a.</sup>	DM	DM, <sup>1.b.</sup> AM <sup>1.c.</sup>	DM	DM, PSUP	DM	DM	DM	
Helicopters <sup>2</sup>	DM <sup>2.a.</sup>	DM	DM <sup>2.a.</sup> ,AM <sup>1.c</sup>	DM	READ	DM <sup>2.a.</sup>	DM <sup>2.a.</sup>	DM <sup>2.a.</sup>	
Motorized Equipment <sup>3</sup>	DM	DM	DM, AM <sup>1.c</sup>	DM	DM	DM	DM	DM	
Chainsaws <sup>4</sup>	READ	READ	DM, ,AM	DM	READ	READ	READ	READ	
Helibases and helispots <sup>5</sup>	DM	DM	DM, <sup>5.a.</sup> ,AM <sup>1.c</sup>	DM <sup>5.a.</sup>	DM, PSUP	DM	DM	DM	
Staging areas and fire camps <sup>6</sup>	DM	DM	DM, AM	DM, <sup>6.a.</sup> ; DM <sup>6.b.</sup>	DM, PSUP	DM	DM	DM	
Water <sup>7</sup>	IC	IC	IC	IC	IC	IC	IC	IC	
Retardant <sup>8</sup>	DM	DM	DM, AM	DM	IC	DM	DM	IC	

Approvers

- DM – District Manager (delegated per BLM Nevada IM)
- IC – Incident Commander
- AM –SMNRA Area Manager
- PSUP – National Park Service Superintendent (for fire located in Lake Mead NRA jurisdiction)
- READ – Resource Advisor (should consult with Wilderness Specialist)

References

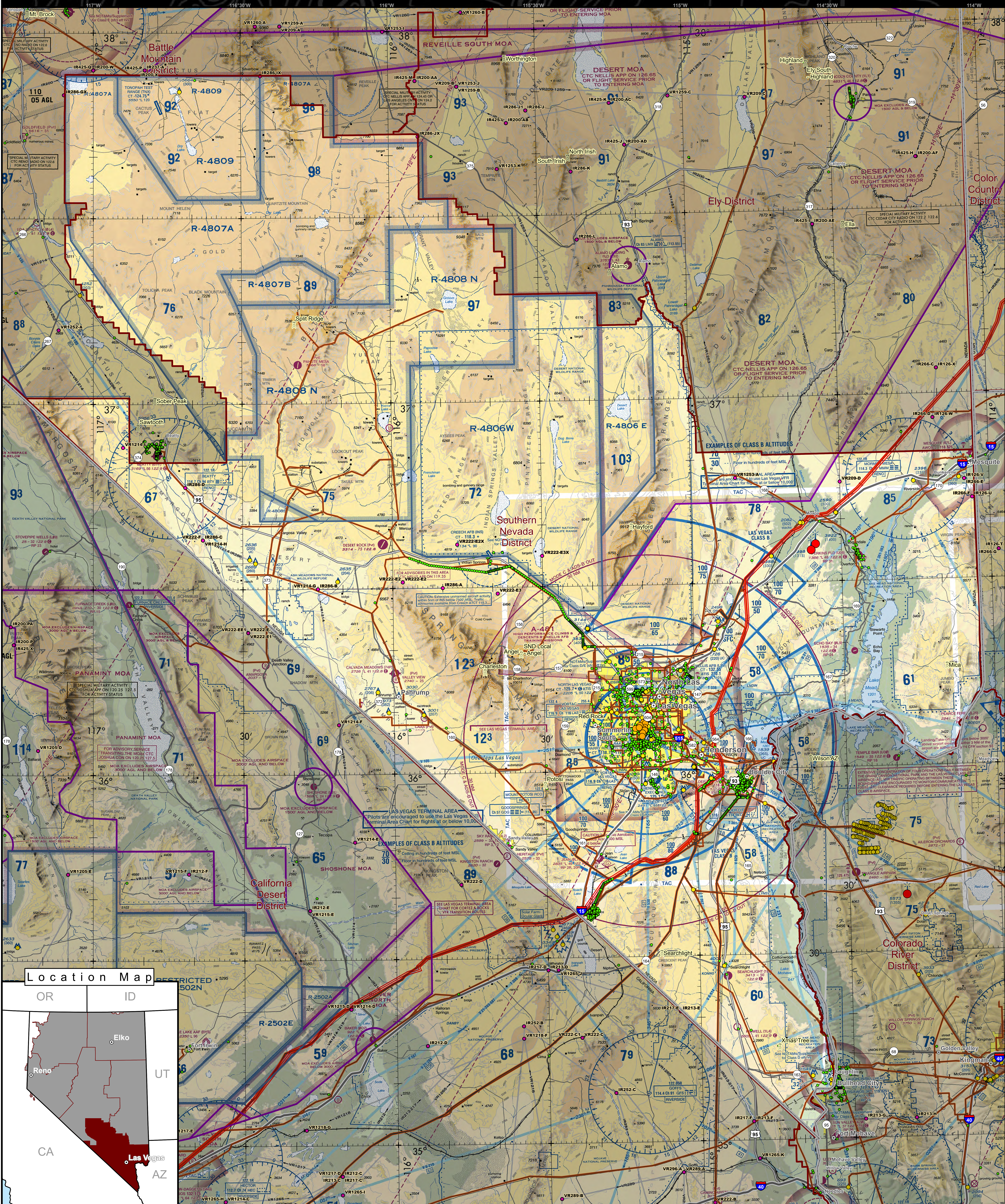
- Motor Vehicles – in fire suppression it is specific to terrestrial transportation across land that is powered by a motor, engine, or other non-living power source. Includes rubber-tired (e.g., atv, utv, trucks, etc.) and tracked/heavy equipment (e.g., bobcat, bulldozer, etc.). All motor vehicles should only be used if fire is threatening human life, property, or wilderness characteristics (e.g. desert tortoise)
  - Arrow Canyon Wilderness – vehicles would remain on closed vehicle routes unless fire is threatening life, property, or wilderness character.
  - Motorized vehicles can be used without additional authorization; however they must remain on cherrystem roads of preexisting ways. Heavy equipment (bulldozers, etc.) must be approved by DM.
  - Mt. Charleston, La Madre, and Rainbow Wilderness - Heavy Equipment and Dozer use must be approved at the Regional Office
- Helicopters – includes any activity that brings down to the surface of the earth the helicopter or anything attached to or carried by during or after a flight (e.g., dropping or picking up any material, supplies or person by means of helicopter); it does not include overflights. Keep use to a minimum.
  - Must utilize existing openings (no additional manual clearing)
- Motorized Equipment – defined as “any machine that applies force by transferring energy from a motor, engine, or other non-living power source.” Includes power drills, suction dredges, generators, etc.; in fire suppression, chainsaws are considered separately. Prohibited power sources include internal combustion engines, batteries, wind, solar, hydropower, etc. Conventional hand tools (e.g., cross-cut saws, McCleod, Pulaski, etc.) do not require any approvals.
- Chainsaws – use conservatively.
- Helibases and Helispots – locate outside of wilderness first.
  - Allow minimal clearing of natural vegetation.
- Staging, areas, fire camps – locate outside of Wilderness first
  - Meadow Valley Range / Mormon Mountains – Staging areas and fire camps that only require non-motorized access authorized by READ
  - Meadow Valley Range / Mormon Mountains – Staging areas and fire camps requiring motorized access authorized by DM.
- Use of Water – this is first option and if retardant is not approved.
- Use of Retardant – considered second.



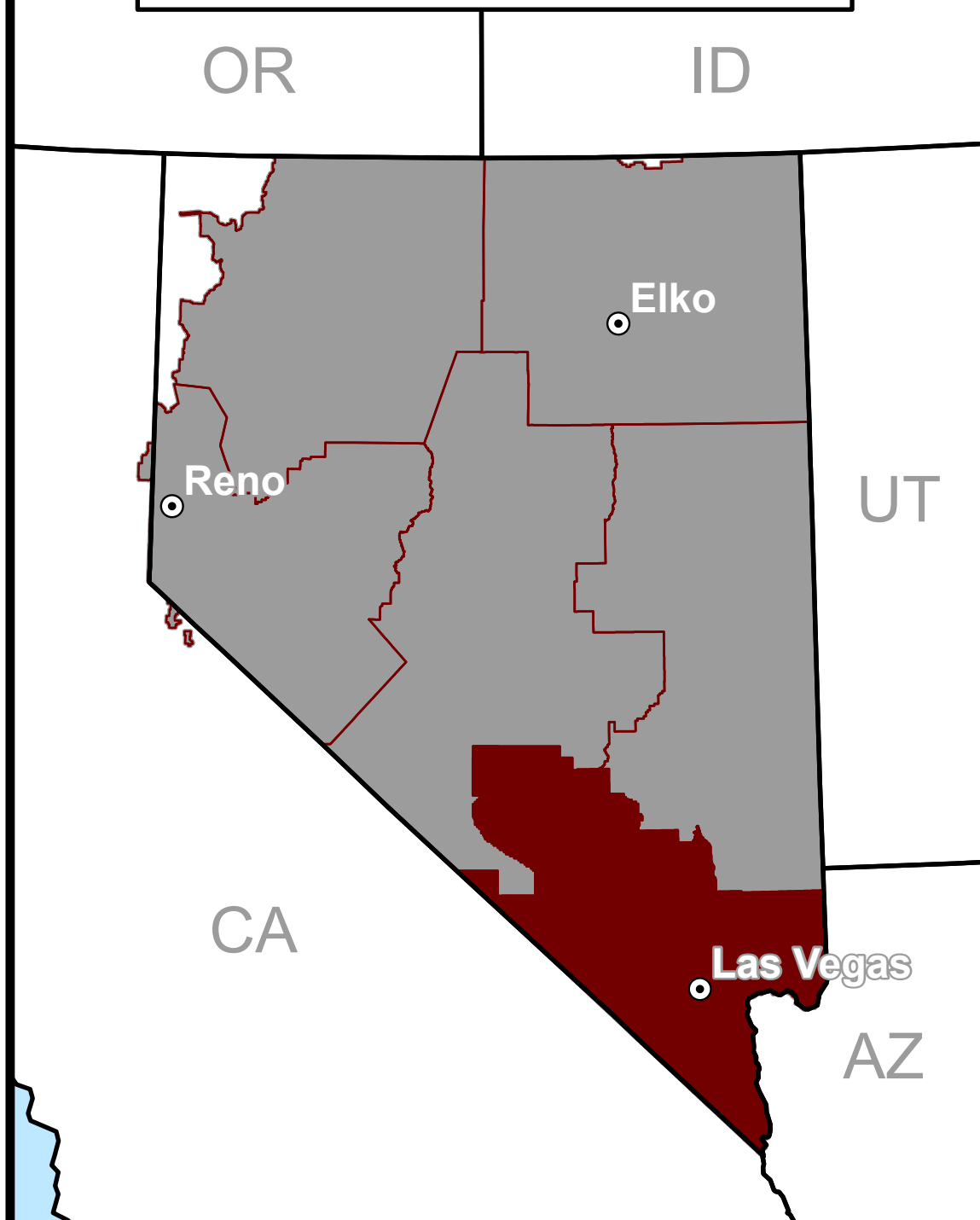
# Aviation Hazards

## Southern Nevada District

Nevada Fire & Aviation  
Bureau of Land Management  
U.S. Department of the Interior



Location Map



Date: 2023-05-02

No Warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual use or aggregate use with other data.

- FAA Vertical Obstructions
- > 1000' AGL
  - 501' - 1000' AGL
  - 201' - 500' AGL
  - < 200' AGL

- Airspace Special Use Areas
- Restricted
  - Military Operating Area
  - Lyon City UAV Land Use Permit
  - MTR Turning Point

- Transmission Lines
- DC Transmission Line
  - AC Transmission Line
  - Repeater

- City/Town
- State Boundary
  - BLM District Boundary

- Interstate Hwy
- US Route
  - State Route



1:348,050

1 in = 5 nautical miles



# Aviation Hazards

## Nevada

Nevada Fire & Aviation  
Bureau of Land Management  
U.S. Department of the Interior



Location Map

OR

ID

WY

UT

AZ

CA

Date: 2023-05-02

No Warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual use or aggregate use with other data.

### FAA Vertical Obstructions

- > 1000' AGL
- 501' - 1000' AGL
- 201' - 500' AGL
- < 200' AGL

### Airspace Special Use Areas

- Restricted
- Military Operating Area
- Lyon Cty UAV Land Use Permit

### Transmission Lines

- DC Transmission Line
- AC Transmission Line
- Repeater

### BLM District Boundary

- State Boundary
- MTR Turning Point

- Interstate Hwy
- US Route
- State Route



NORTH

1:777,423

1 in = 11 nautical miles



## **Southern Nevada Tools**

- ✓ Radio Frequency Guide
- ✓ Resource Management Guide
- ✓ Incident Organizer
- ✓ Interagency Phone List
- ✓ Medical Plan
- ✓ Southern Nevada Interagency Briefing Guide



<http://lvinteragency.org/publications.shtml>

## **Southern Nevada Electronic Fire Report**





[https://docs.google.com/a/blm.gov/forms/d/e/1FAIpQLSdoqdz9WoWeT9bUT6K5L5S3tSEA\\_FKT6L-zB05ysMh\\_MwoJ-A/viewform](https://docs.google.com/a/blm.gov/forms/d/e/1FAIpQLSdoqdz9WoWeT9bUT6K5L5S3tSEA_FKT6L-zB05ysMh_MwoJ-A/viewform)

## 2023 Geo Referenced PDF Maps

### GEOSPATIAL PDF MAPS AVAILABLE FOR USE IN AVENZA MAPS

Below is a menu of maps that are available for use in Avenza Maps  
and may also be downloaded from Google Drive as a pdf















#### ADDING A MAP TO AVENZA MAPS USING AN IPHONE/IPAD:










- 1.) Be sure to have Avenza Maps installed on device
- 2.) Scan QR code using Avenza Maps' QR reader
- 3.) Tap  then 
- 4.) Your map(s) will now download and process
- 5.) Do not close Avenza or turn off screen while processing
- 6.) Turn folder into a Map Collection (if applicable)  
[click for instructions](#)

D O W N L O A D   T H E   A V E N Z A   M A P S   A P P   H E R E



## Southern Nevada BLM Maps

V-BLM 1:100K Quads Reference Nevada	Fire & Aviation Atlas Nevada
	
Surface Management Agency (landowner)	Fire Facilities/Resources & Repeaters Nevada
	
Medical Plan Spatial Data Nevada	State Repeater Map Nevada
	
Southern Nevada Frequency Map	Great Basin Aviation Frequency Map
	
Nevada Aviation Hazard Map	Southern Nevada Aviation Hazard Map
	
LVICC Dispatch Wall Map	Clark County Wetland Park Map
	
Southern Nevada Boundry Map	Southern Nevada Cultural Map
	

<b>Southern Nevada Land Status Map</b>	<b>Southern Nevada Riparian Map</b>
	
<b>Southern Nevada Wildlife Habitat Map</b>	<b>Southern Nevada FUDS (Formaly Used Defense Sites)</b>
	
<b>LVICC Wall Response Map</b>	<b>Cold Creek Shooting Hazard Area</b>
	
<b>Frozen Toe Shooting Hazard Area</b>	<b>Mule Springs Shooting Hazard Area</b>
	
<b>Sloan Shooting Hazard Area</b>	
	

# Lake Mead National Recreation Area Maps

