

SW FIRE ENVIRONMENT REPORT (SFER)

Friday - May 09 - 2025 - 12:00

SUMMARY

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• Fire Weather Forecast

- A sharp warming trend will begin today, and continues this weekend. Temperatures in southern lower elevations of AZ will soar into the 100's again, and temperatures in most areas will see a 15-20 deg rise from the cool midweek readings. Moisture lingers in parts of NM at times through this weekend. Total rainfall amounts so far this past week have exceeded 1" in parts of northern AZ and northern NM and 2.5" in parts of northeast and eastern NM. Over a foot of snow has fallen above 8000 ft in some of the northern mountains of both Arizona and New Mexico. With the increasing warmth and dryness, holdovers from recent lightning will need to be monitored. Another cold front will approach early next week, with increasing winds. Another low pressure system and cold front approach late Sunday into early next week. There will be some strong winds ahead of the system, after several warm/dry days, and this will need to be monitored.

- **No HIGH RISK TRIGGERS** issued today for the Southwest Area.

• Red Flag Warning(s)/Watches/Advisories

- **No** Red Flag Warning(s)/Watches/Advisories issued today in the Southwest Area.

• High Risk Triggers(s)

- **No** High Risk Triggers issued today for the Southwest Area.

• Lightning / Precipitation

- **Lightning** occurred in Northern AZ - Northern NM - Southern NM - over the past 24-hours.
- **Precipitation** received in Northern AZ - Southern AZ - Northern NM - Southern NM - over the past 24-48 hours.

• Drought

- **Arizona:** Drought conditions currently trending Abnormally Dry (100%) - Moderate (99.34%) - Severe (82.83%) - Extreme (63.52%) Exceptional (6.51%)..
- **New Mexico:** Drought conditions currently trending Abnormally Dry (98.73%) - Moderate (88.37%) - Severe (75.51%) - Extreme (49.34%) - Exceptional (4.23%)..

• Fuel Moisture

• Fire Behavior Advisories

- **Arizona:** No advisories at this time.
- **New Mexico:** No advisories at this time.

• RAWs / WIMS Fire Danger Forecast

• Forecasted Burn Period

Burn Period Forecasts by PSA

• Energy Release Component (ERC)

• Fire Restrictions

- **Arizona:** 5 units with Stage 2 Fire Restrictions in place.
- **New Mexico:** 4 units with Stage 2 Fire Restrictions in place.

Updated: 5/09/2025-08:51

PREPAREDNESS LEVEL

Southwest	2	12/20/24
National	1	04/04/25

• FIRE DANGER OUTLOOK:

- **NORTHERN AZ:** Low
- **SOUTHERN AZ:** Low
- **NORTHERN NM:** Low
- **SOUTHERN NM:** Low

• FIRE POTENTIAL OUTLOOK:

No High Risk Triggers issued today for the Southwest Area. (SWCC Predictive Services)

• MOBILIZATION OUTLOOK:

Primarily in the ML-1 to ML-2 range. (SWCC Intelligence Operations)

Updated: 5/09/2025-08:51

• NOTES:

This product is produced Mon-Thur while in PL-2.

1. FIRE WEATHER

A. SWCC PREDICTIVE SERVICES

FIRE WEATHER DISCUSSION:

"A sharp warming trend will begin today, and continues this weekend. Temperatures in southern lower elevations of AZ

DAILY FIRE POTENTIAL

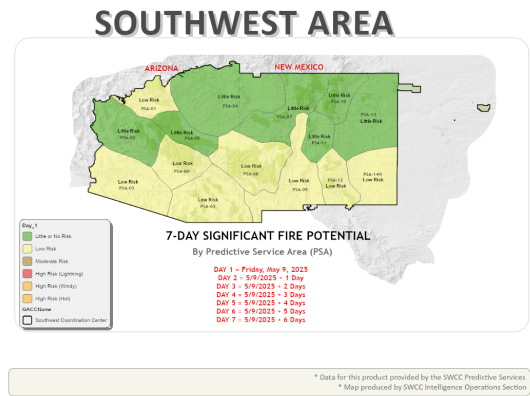
No High Risk Triggers issued today for the Southwest Area.

will soar into the 100's again, and temperatures in most areas will see a 15-20 deg rise from the cool midweek readings. Moisture lingers in parts of NM at times through this weekend. Total rainfall amounts so far this past week have exceeded 1"" in parts of northern AZ and northern NM and 2.5"" in parts of northeast and eastern NM. Over a foot of snow has fallen above 8000 ft in some of the northern mountains of both Arizona and New Mexico. With the increasing warmth and dryness, holdovers from recent lightning will need to be monitored. Another cold front will approach early next week, with increasing winds. Another low pressure system and cold front approach late Sunday into early next week. There will be some strong winds ahead of the system, after several warm/dry days, and this will need to be monitored.

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SWCC Predictive Services
Updated: 5/09/2025-08:46



SW 7-Day Prediction Maps

SWCC Predictive Services
Updated: 5/09/2025-08:46

SWCC Predictive Service's "Daily Fire Weather Discussion and Fuels Potential" provided via the SWCC Predictive Service's 7-Day Fire Potential Outlook.

B. NATIONAL WEATHER SERVICE

ARIZONA

Las Vegas

FIRE WEATHER / WARNINGS / WATCHES / ADVISORIES

Temperatures peak on Saturday with highs 10 to 15 degrees above average. Minimum humidity will fall to the teens and single digits for most locations through early next week. An upcoming weather system will bring increased southerly to southwesterly winds and a 20 degree drop in temperatures between Sunday and Tuesday. Precipitation should be minimal and limited to the southern Great Basin..

Flagstaff








Friday and Saturday...Above normal temperatures and mostly dry conditions expected each day, outside of a slight chance for showers/thunderstorms across higher terrain on Saturday. Look for easterly winds 5-15 mph today, becoming more southeast on Saturday. Sunday through Tuesday...A cooling trend will occur each day, landing daytime highs 2-8 degrees below normal by Tuesday. Dry conditions will persist with minimum RH values generally 20% or less. Look for southwest winds 10-20 mph on Sunday, increasing to 15-25 mph Monday and Tuesday. Wind gusts up to 40 mph possible on Monday and Tuesday afternoon as well..

Phoenix

High pressure will strengthen over the region into the weekend leading to hot temperatures and highs topping 100 degrees over the majority of the lower deserts through Sunday. Humidities will drop a bit further today with MinRHs around 15% before dropping closer to 10% by Sunday. After light winds today, winds will become quite breezy out of the east on Saturday with peak gusts of 25-35 mph during the morning hours across portions of southern Arizona. Expect another round of easterly breezy conditions Sunday morning across eastern Arizona before breezy conditions expand to include the western districts Sunday afternoon. These conditions may lead to a period of elevated fire danger in some areas this weekend..

Tucson

Temperature continues to warm and humidity continues to drop into the weekend as high pressure builds. A backdoor front will result in breezy southeast winds east of Tucson as early as Friday, but especially Saturday. Widespread critical fire weather conditions are not anticipated with this feature, although localized/brief near critical conditions will be possible Saturday across portions of southeast Arizona. Otherwise, the warm conditions we will experience today into this weekend will back off the first half of next week as a dry trough moves into the region. This will result in strong and gusty winds returning to the

SOUTHWEST OFFICES	
LAS VEGAS	
Website Forecast	
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AMARILLO	

area Monday through Wednesday, with the strongest winds/potential for more widespread critical fire weather conditions impacting the region Tuesday..

NEW MEXICO
Albuquerque

Scattered-to-isolated coverage of gusty showers and thunderstorms with small wetting footprints will favor north central areas during the afternoon and evening today and Saturday, with more isolated activity over western areas. Some storms will probably produce dry lightning over western areas on Saturday. Southwest winds will become breezy-to-windy daily in the coming work week with gusts peaking up to 50 mph in many locations Tuesday, and to a lesser extent Wednesday. Humidities will also plummet, but ERC's will need to climb a lot from the current very low readings to warrant fire weather highlights. At the present time, we have the greatest confidence that fire weather highlights will be needed next week over south central and southwest parts of the fire weather forecast area, where some of the least rain fell in the past week..

El Paso

Fire weather concerns are low for today. Min RH values will drop to around 20 percent or greater for areas east of the RGV and between 15-25 percent for areas west. High temperatures this afternoon will remain at below the seasonal average. Winds generally light at 7-15 mph out of the east to northeast and more terrain/drainage driven over the high terrain. Sufficient afternoon mixing will promote Very Good smoke ventilation rates. Critical fire weather conditions return to the forecast Monday through Thursday of next week..


WEST TEXAS
Midland

Recent rainfall has greatly improved ERCs across the region. Continued below normal temperatures, above critical relative humidity, and light winds keep fire weather concerns very low through the weekend. A much hotter, drier, and windier weather pattern arrives next week, especially for areas west of the Pecos. This pattern may lead to elevated to near-critical fire weather for western portions of the area. Though with recent rainfall, limited fuel drying should keep fire weather concerns relatively low otherwise..


LAS VEGAS

[Website](#) | [Forecast](#)

LUBBOCK


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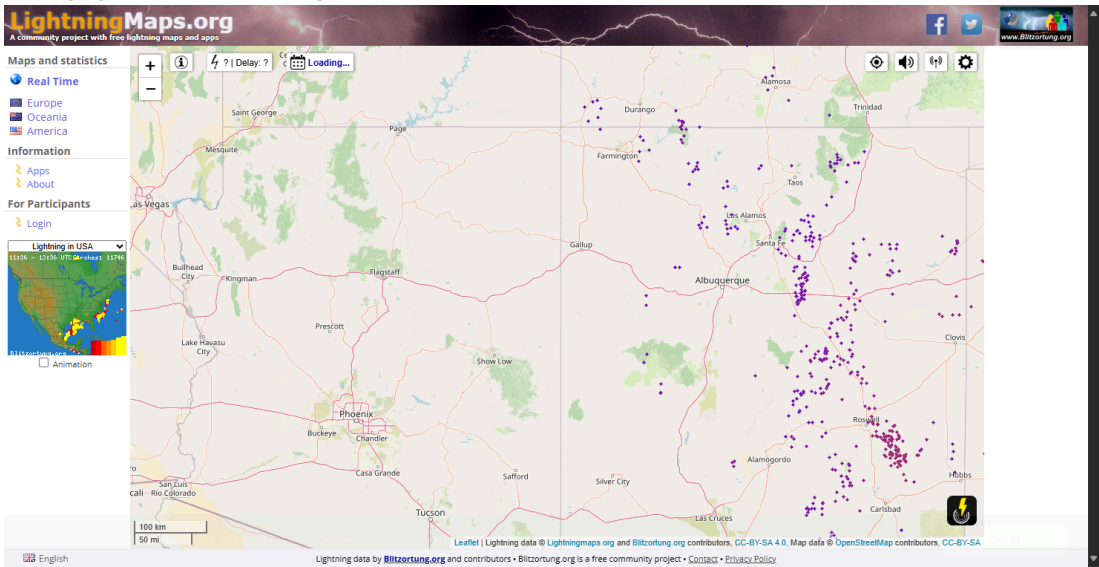
MIDLAND


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Updated: 5/09/2025-07:45

WARNINGS/WATCHES/ADVISORY DATA PROVIDED BY: [National Weather Service](#)
[Southwest Map](#) | [Arizona](#) | [New Mexico](#)
FW Zone Maps: [Arizona](#) | [New Mexico](#)

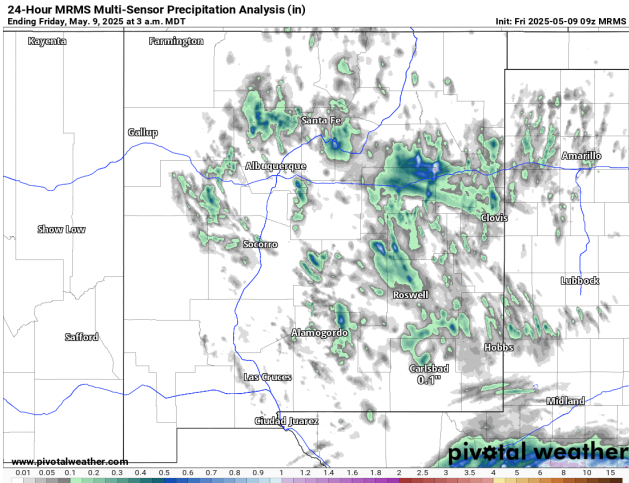
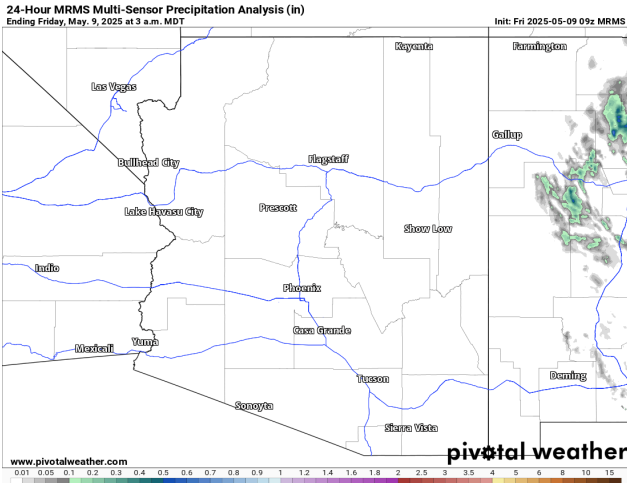
C. LIGHTNING & PRECIPITATION



ARIZONA			NEW MEXICO		
PSA	LIGHTNING **	PRECIPITATION **	PSA	LIGHTNING **	PRECIPITATION **
1	None	.08	7	Light	.2

2	None	.04	8	Light	.03
3	None	.01	9	Light	.07
4	Light	.23	10	Moderate	.35
5	None	.06	11	Light	.54
6N	None	.01	12	Moderate	.07
6S	None	.03	13	Moderate	.17
			14N	Moderate	.1

Updated: 5/09/2025-07:45



Lightning Map provided by LightningMaps.org CC BY-SA 4.0 / Lightning data by Blitzortung.org and contributors. Coverage is from yesterday at 1200 UTC - today at 1200 UTC

Precipitation Map is provided by pivotalweather with data from the NWS and covers from 1200 UTC the preceding day to 1200 UTC the date of publication. Data are averages for each PSA and provided by the MesoWest (Univ. of Utah) website and covers the past 24-48 hour period.

2. DROUGHT

A. BY STATE

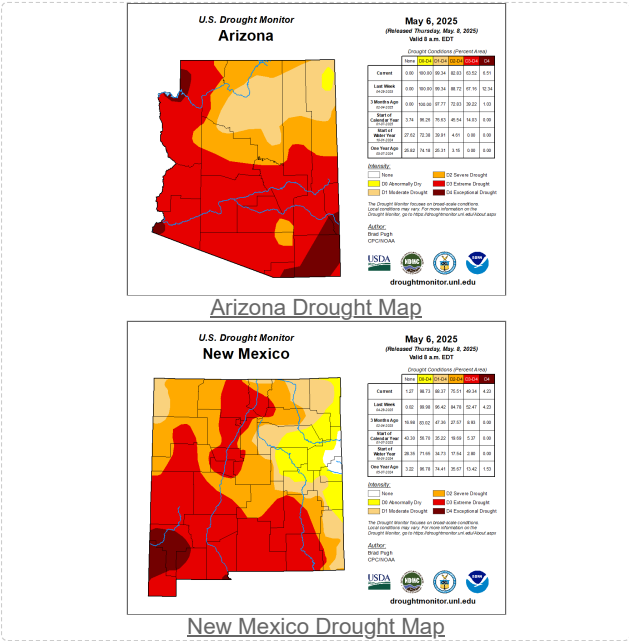
ARIZONA

	CURRENT (01/00)	ONE WEEK AGO	ONE YEAR AGO	TRENDING PAST WEEK **
Abnormally Dry	100%	100%	74.18%	NC
Moderate	99.34%	99.34%	25.31%	NC
Severe	82.83%	88.72%	3.15%	RAS
Extreme	63.52%	67.16%	0%	RAS
Exceptional	6.51%	12.34%	0%	RAS

NEW MEXICO

	CURRENT (01/01)	ONE WEEK AGO	ONE YEAR AGO	TRENDING PAST WEEK **
Abnormally Dry	98.73%	99.98%	96.78%	RAS
Moderate	88.37%	96.42%	74.41%	RAS
Severe	75.51%	84.78%	35.67%	RAS
Extreme	49.34%	52.47%	13.42%	RAS
Exceptional	4.23%	4.23%	1.53%	NC

** NC = No Change
IAS = Increased Area
Size



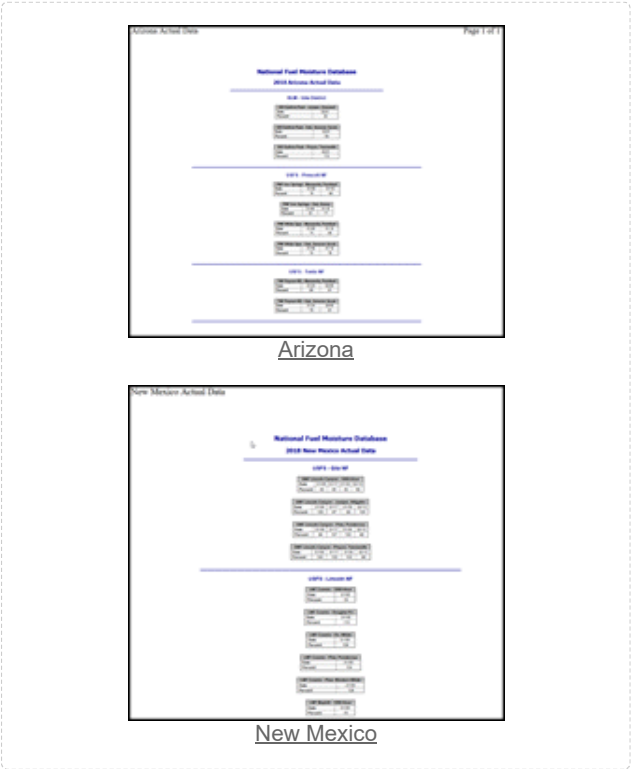
National / State Drought Maps are updated once per week.
The table above indicates the percentage of the respective States current drought status compared to one-year ago.
Drought data are provided via the [National Drought Mitigation Center](#) at the University of Nebraska - Lincoln.

3. FUEL MOISTURE

A. DEAD FUEL MOISTURE

ARIZONA	
100-HR TLFM	Dead Fuel Moisture by %
Northern	MOIST (17.79)
Southern	MOIST (12.59)
1000-HR TLFM	
Northern	MOIST (14.33)
Southern	MOIST (10.5)
NEW MEXICO	
100-HR TLFM	Dead Fuel Moisture by %
Northern	WET (20.33)
Southern	MOIST (13.54)
1000-HR TLFM	
Northern	MOIST (15.39)
Southern	MOIST (11.25)

Updated: 2025-May-09 07:46



Dead Fuel Moisture data are acquired daily via the National Weather Information System (WIMS) and the. There are five categories for which the fuels are determined to be within:
Wet >=15%; Moist = 8.1% - 15%; Dry - 5.1% - 8.0%; Very Dry = 3.1% - 5.0%; Extremely Dry <=3.0%.

Live Fuel Moisture data are acquired via the [National Fuel Moisture Database \(NFMD\)](#).

C. FUELS AND FIRE BEHAVIOR ADVISORIES



- **Arizona:** No advisories at this time.
- **New Mexico:** No advisories at this time.

Updated: 05/09/2025-07:48

Fuels and Fire Behavior Advisories are provide by the [National Predictive Services](#) webpage.

4. FIRE DANGER

A. Forecasted Burn Period

ARIZONA:

QUADRANT	FIRE DANGER
Northern	Low (3.75)
Southern	Moderate (9)
Forecasted Burn Period	Moderate (6.38)

NEW MEXICO:

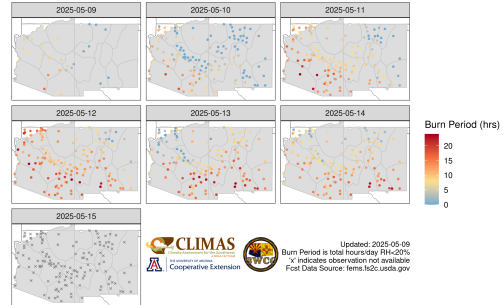
QUADRANT	FIRE DANGER
Northern	Moderate (9)
Southern	Moderate (6)
Forecasted Burn Period	Moderate (7.5)

Updated: 5/09/2025-07:46

PSA	Adjective	Hours
SW01	Low	0
SW02	Low	2
SW03	Moderate	8
SW04	Moderate	5
SW05	Moderate	8
SW06N	Moderate	9
SW06S	High	10
SW07	Not Reported	Not Reported
SW08	Low	3
SW09	Moderate	7
SW10	Moderate	9
SW11	Not Reported	Not Reported
SW12	Not Reported	Not Reported
SW13	Not Reported	Not Reported
SW14N	Moderate	8

Updated: 5/09/2025-07:46

SWA Burn Period Forecast at RAWs: 05-09-2025 to 05-15-2025



SWA Forecasted Forecasted Burn Periods

Burn Period Forecasts are provided by [Arizona State University](#).
Observations are taken from RAWs stations and forecasted to
Low, Moderate, High, Very High, Extreme.

B. ENERGY RELEASE COMPONENT (ERC) CHARTS

ARIZONA:

Date: 07 May 2025
Current: 35
Previous: 42
Percentile: <50th Percentile
Trending (Past 2-days): DOWNWARD

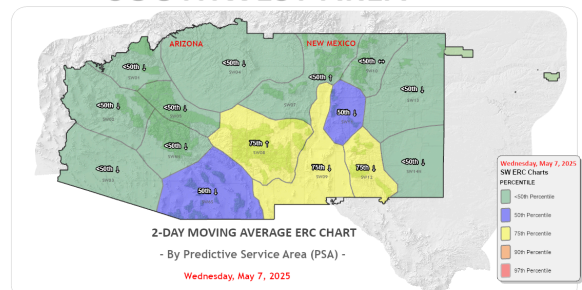
90th Percentile: 67
 97th Percentile: 75

NEW MEXICO:

Date: 07 May 2025
Current: 37
Previous: 39
Percentile: 50th Percentile
Trending (Past 2-days): DOWNWARD

90th Percentile: 55

SOUTHWEST AREA



Data for this product is derived from RAWs Stations via WIMS and compared against the historical data using Fire Family Plus. Map produced by SWCC Intelligence Desk.
 Arrows indicate if the current ERC has gone up (↑), stayed the same (↔), or went down (↓) compared to most recent previous ERC run.

ARIZONA

- SW01
- SW02
- SW03
- SW04
- SW05
- SW06N

NEW MEXICO / WEST TEXAS

- SW07
- SW08
- SW09
- SW10
- SW11
- SW12

	PERCENTILE	SHORT-TERM TRENDING
SW01	<50th Percentile	DOWNWARD
SW02	<50th Percentile	DOWNWARD
SW03	<50th Percentile	DOWNWARD
SW04	<50th Percentile	DOWNWARD
SW05	<50th Percentile	DOWNWARD
SW06N	<50th Percentile	DOWNWARD
SW06S	50th Percentile	DOWNWARD
SW07	<50th Percentile	UPWARD
SW08	75th Percentile	UPWARD
SW09	75th Percentile	DOWNWARD
SW10	<50th Percentile	NO CHANGE - LEVEL
SW11	50th Percentile	DOWNWARD
SW12	75th Percentile	DOWNWARD
SW13	<50th Percentile	DOWNWARD
SW14N	<50th Percentile	DOWNWARD

Updated: 5/09/2025-07:46

ERC Charts are produced daily using a **2-Day Moving Average** for Arizona and New Mexico. Selected fire weather stations are used in creating the State ERC Charts. PSA charts are created using available stations within the respective PSA.

C. RAWS / WIMS ADJECTIVE READINGS (BY PSA)

ARIZONA:

PSA	READING
SW01	Moderate (1.5)
SW02	Low (1.33)
SW03	Moderate (2)
SW04	Low (1)
SW05	Moderate (1.67)
SW06N	Moderate (2)
SW06S	High (2.5)
FIRE DANGER	Moderate (1.71)

NEW MEXICO:

PSA	READING
SW07	Low (1)
SW08	Moderate (2.33)
SW09	Moderate (2)
SW10	Low (1)
SW11	Low (1)
SW12	Low (1.33)
SW13	Low (1)
SW14N	Low (1)
FIRE DANGER	Low (1.38)

Updated: 5/09/2025-07:46

RAWS / WIMS Adjective Readings (By PSA) are downloaded via the National Weather Information System (WIMS) for [Arizona](#) and [New Mexico](#) to build the following table.
There are five categories defined for fire danger:
Low, Moderate, High, Very High, and Extreme

5. FIRE RESTRICTIONS

A. FIRE RESTRICTIONS (BY STATE)

ARIZONA	NUMBER	UNITS
COUNTIES:		
STATE LANDS:	2	AZ-FTA, AZ-SCA
BIA/TRIBES:	2	AZ-SAFD, AZ-TUFD
BLM:		
NPS:		

USFWS:1AZTNF

USFS:

5

NEW MEXICO	NUMBER	UNITS
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COUNTIES:

STATE LANDS:

BIA/TRIBES:

BLM:

NPS:

USFWS:

USFS:

2NM-ELP, NM-CCP

2NMGNF, NM-LNF

4

Updated:05/09/2025-07:48

SW Fire Restrictions

6. Resource Summary

A. Resources As Available in the Southwest Area

RESOURCES IN SW AREA: *

SW RESOURCES TO OUT-OF-AREA:

- INCIDENT MANAGEMENT TEAMS

◦ Assigned: 1 IMT3 (Team NM-SDC - IRON).

◦ Preposition: None.

◦ Available: 4 CIMT (Team 1); 7 IMT3 .
- AIRCRAFT

◦ Assigned: 3 HE3S; .

◦ Available: 6 VLAT/LAT; 3 FWLP/FASM; 5 FWAA; 9 ATS3/ATS4; .
- CREWS

◦ Assigned: 6 CRW1; 1 CRWC;

◦ Preposition: 1 CRW1; 1 WFM1/WFM2; 1 SMOD;

◦ Available: 4 CRW1; 1 SMOD/WFM1/WFM2;
- ENGINES

◦ Assigned: 1 ENG3; 11 ENG6.

◦ Prepositon: None.

◦ Available: 337 ENG1; 25 ENG2; 236 ENG3; 51 ENG4; 33 ENG5; 604 ENG6; .
- Water Tenders

◦ Assigned: 1 WTS1; 2 WTS3; .

◦ Prepositon: None.

◦ Available: 337 WTS1; 25 WTS2; 236 WTS3; 51 WTT1; 33 WTT2 .

- IMT

◦ None
- AIRCRAFT

◦ 3 ATS3-ATS4;
- CREWS

◦ None
- ENGINES

◦ 1 ENG6;
- ENGINES

◦

[SW 7-Day Prediction Maps](#)

SWCC Fire Environment Report (PDF Version)

OTHER REPORTS

- [SW Morning Situation Report](#)
- [SW Prescribed Fire Report](#)
- [7-day Map Products](#)

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