

APPENDIX C PUBLIC INFORMATION AND OTHER NOTICES

FIGURE C-1
NATIONAL WEATHER SERVICE PUBLIC ZONES

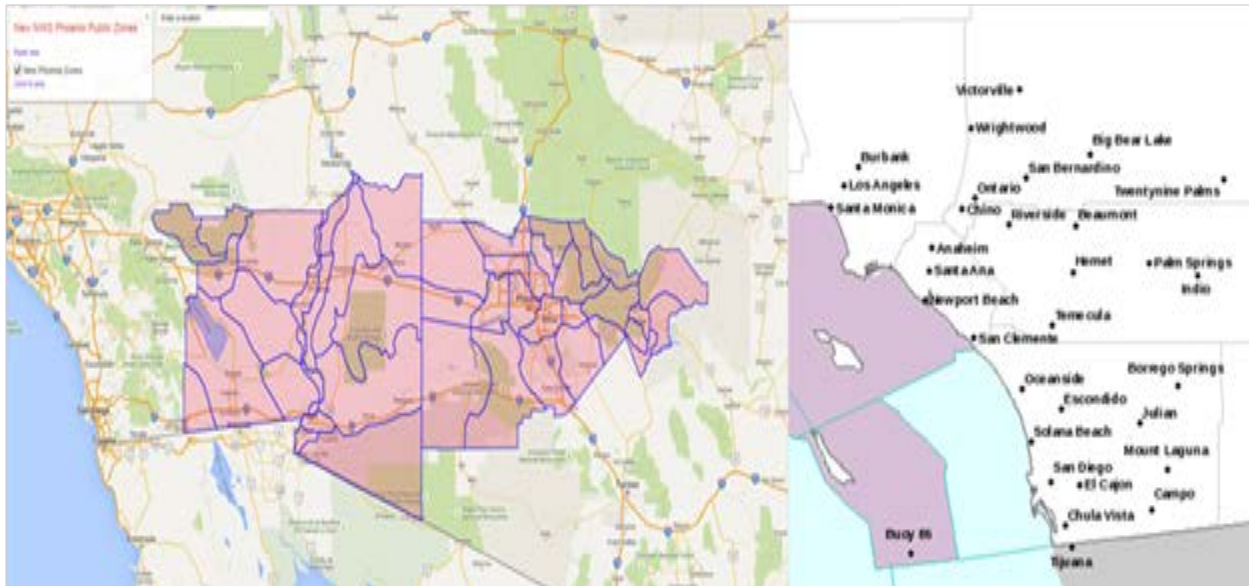


Fig C-1: Illustrates the public zones serviced by the National Weather Service Office in Phoenix and San Diego. Imperial County, including southeast sections of Riverside County are part of the reporting public zone areas from the Phoenix office

**FIGURE C-2
IMPERIAL COUNTY WEB POSTING
OF POTENTIAL ELEVATED PM CONCENTRATIONS**

Advisory Events

The information herein is NOT intended for use as a weather forecast. The Air District DOES NOT forecast but solely compiles information from both the Phoenix and San Diego National Weather Offices to relay information concerning potential changes in ambient air concentrations that may impact the public.

December 18 2017	
Be Advised	
<p>High wind levels have the potential to suspend particulate matter into the air. High levels of PM10 may pose an impact to public health. It is recommended that active children and adults, and people with respiratory disease, such as asthma, limit their outdoor activities.</p> <p>Potential increases in PM₁₀ concentrations may increase to moderate or unhealthy level.</p>	
Imperial County Weather Synopsis	
<p><u>DISCUSSION FROM THE SAN DIEGO OFFICE</u> Offshore flow will continue to weaken today with locally gusty northeast winds near the coastal foothills this morning. Dry weather with weaker winds and near seasonal temperatures will continue through Tuesday. A low-pressure system moving into the Great Basin Wednesday will bring stronger onshore flow with cooling and more clouds and strong gusty west winds in the mountains and deserts. A weakening cold front will move through far southern California late Wednesday afternoon into Wednesday evening with small chances for very light precipitation along and west of the mountains. A period of moderate offshore will follow for Thursday with gusty northeast winds. Warming with weaker winds for Friday.</p> <p><u>DISCUSSION FROM THE PHOENIX OFFICE</u> Near to slightly above normal temperatures will persist through mid-week amidst mostly clear skies. A strong storm system will move into the Great Basin Wednesday and Thursday, bringing an increase in winds and substantially cooler temperatures into the second half of the week. Rainfall chances will remain very low. Another significant upper trough quickly develops over the Pacific Northwest and the Great Basin mid-week. The track of this system will remain to the north of the forecast area, with drier air infiltrating amidst a tight pressure gradient along its southern periphery. A cold front will quickly progress southeastward Wednesday, with strong west to northwest winds developing its wake. Will see a fairly significant cool down into Thursday, with temperatures forecast to be nearly 5 degrees below normal. Strong winds will also persist amidst a tight surface pressure gradient, and will have to monitor for the potential of a Wind Advisory Wednesday, especially across southeastern California and the lower Colorado River Valley.</p>	
Weather Story Phoenix Station	Weather Story San Diego Station

**FIGURE C-3
IMPERIAL COUNTY WEB POSTING
OF POTENTIAL ELEVATED PM CONCENTRATIONS**

Advisory Events

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December 19 2017	
Be Advised	
<p>High wind levels have the potential to suspend particulate matter into the air. High levels of PM10 may pose an impact to public health. It is recommended that active children and adults, and people with respiratory disease, such as asthma, limit their outdoor activities.</p> <p>Potential increases in PM₁₀ concentrations may increase to moderate or unhealthy level.</p>	
Imperial County Weather Synopsis	
<p><u>DISCUSSION FROM THE SAN DIEGO OFFICE</u></p> <p>Weak onshore flow will return today with slow cooling near the coast spreading inland. A low-pressure system moving into the Great Basin Wednesday will bring stronger onshore flow with cooling and more clouds and strong gusty west winds in the mountains and deserts. A weakening cold front will move through far southern California late Wednesday afternoon into Wednesday evening with small chances for very light precipitation along and west of the mountains. A period of moderate offshore flow will follow for Thursday with gusty north winds with strongest winds below the Cajon Pass and for inland Orange County along and below the coastal slopes of the Santa Ana Mountains. Strongest winds are expected for Thursday morning into Thursday afternoon with winds weakening for late Thursday afternoon into Thursday night. Dry with a warming trend for Friday through Christmas with weaker winds.</p> <p><u>DISCUSSION FROM THE PHOENIX OFFICE</u></p> <p>Near to slightly above normal temperatures will persist through mid-week amidst mostly clear skies. A strong storm system will move into the Great Basin Wednesday and Thursday bringing an increase in winds, and substantially cooler temperatures into the second half of the week. However, rainfall chances will remain very low. A general increase in southwesterly winds will increase area-wide on Wednesday afternoon. This will occur ahead of a fast-moving cold front entering southeast California Wednesday afternoon, which will demarcate an abrupt wind shift out of the northwest into Wednesday evening. Advisory-level wind speeds are forecast to occur across most of eastern Riverside County and parts of Imperial County in the wake of the cold front. As such, a Wind Advisory has been issued from 04Z-23Z Thursday, with the strongest winds expected across the highest elevation locations of eastern Riverside County, including Joshua Tree National Park. Breezy conditions will spread across the remainder of the area on Thursday, and patchy blowing dust will be possible.</p>	
Weather Story Phoenix Station	Weather Story San Diego Station

**FIGURE C-4
IMPERIAL COUNTY WEB POSTING
OF POTENTIAL ELEVATED PM CONCENTRATIONS**

Advisory Events

The information herein is NOT intended for use as a weather forecast. The Air District DOES NOT forecast but solely compiles information from both the Phoenix and San Diego National Weather Offices to relay information concerning potential changes in ambient air concentrations that may impact the public.

December 20 2017	
Be Advised	
<p>High wind levels have the potential to suspend particulate matter into the air. High levels of PM10 may pose an impact to public health. It is recommended that active children and adults, and people with respiratory disease, such as asthma, limit their outdoor activities.</p> <p>Potential increases in PM₁₀ concentrations may increase to moderate or unhealthy level.</p>	
Imperial County Weather Synopsis	
<p>GUSTY WINDS AND COOLER TEMPERATURES THROUGH THURSDAY AND FRIDAY</p> <p><u>DISCUSSION FROM THE SAN DIEGO OFFICE</u> A low-pressure system moving into the Great Basin today will bring stronger onshore flow with cooling and more clouds and strong gusty west winds in the mountains and deserts. A weakening cold front will move through Southern California late this afternoon into this evening with a chance of light showers along and west of the mountains. A period of moderate Santa Ana winds will follow for Thursday with gusty north winds along and below coastal mountain slopes of San Bernardino, Riverside, and Orange Counties. Nights will be cooler with patchy frost in portions of the inland valleys late tonight into Thursday morning and areas of frost for late Thursday night into Friday morning. Dry with a warming trend for Saturday through Christmas with weak offshore flow.</p> <p><u>DISCUSSION FROM THE PHOENIX OFFICE</u> Slightly above normal temperatures are forecast today before a cold front moves through the region late Wednesday and Thursday, with strong winds developing across southeast California. A cold front is forecast to enter southeast California this evening, and quickly sweep southeastward. A modest increase in west-southwesterly winds will occur ahead of the cold front, with a more significant strengthening of winds forecast to occur in the wake of the cold front overnight. The strongest winds are forecast to occur across higher elevation locations and ridgetops over southeast California. Winds will gradually weaken throughout the day Thursday, but will remain locally strong into the afternoon. As such, a Wind Advisory will be maintained for much of southeast California. Areas of blowing sand/dust will also be possible. Much cooler temperatures are expected area-wide Thursday and Friday. A warming trend will occur through the weekend as high pressure rebuilds over the Pacific Coast.</p>	
Weather Story Phoenix Station	Weather Story San Diego Station

FIGURE C-5 PHEONIX WEATHER STORY

NWS Forecast Office Phoenix, AZ
Weather.gov • NWS Phoenix

NWS Phoenix
Weather Forecast Office

Current Hazards Current Conditions Radar Forecasts Rivers and Lakes Climate and Past Weather Local Programs

Incoming Thursday!

Maximum Wind Gusts

blowing dust

blowing debris

sudden crosswinds

Interact With Us [f](#) NWSPhoenix [Weather.Gov/PSR](#) [@NWSPhoenix](#) [YouTube](#) NWSPhoenix

A dry weather system will move across the Desert Southwest late Wednesday into Thursday bringing gusty winds to southeast California and western Arizona. This could make for some difficult travel along I-10, especially for high profile vehicles!

[Hide Caption](#)

Click a location below for detailed forecast.

[Watches, Warnings & Advisories](#)

- Winter Storm Warning
- Red Flag Warning
- Wind Advisory
- Hard Freeze Watch
- Freeze Watch
- Fire Weather Watch
- Hazardous Weather Outlook

Last Map Update: Wed, Dec. 20, 2017 at 8:08:21 am MST

FIGURE C-6 DESCRIPTIVE TEXT NARRATIVE FOR SMOKE/DUST OBSERVED IN SATELLITE IMAGERY

12/21/2017

Smoke Text Product - Satellite Services Division

Wednesday, December 20, 2017DESCRIPTIVE TEXT NARRATIVE FOR SMOKE/DUST OBSERVED IN SATELLITE IMAGERY
THROUGH 0200Z December 21, 2017**SMOKE:**

No significant areas of remnant smoke were visible in satellite imagery this evening. Localized, attached light density smoke plumes were observed in southern Florida, a couple in northern Missouri, and a couple dozen spread throughout CA.

DUST

Southern California: Numerous origins of blowing dust were observed in satellite imagery in western San Bernardino County, CA, and also west of the Salton Sea in San Diego County, CA. The dust was streaming east as far as the borders with Arizona and Nevada through sunset.

Ramirez

THIS TEXT PRODUCT IS PRIMARILY INTENDED TO DESCRIBE SIGNIFICANT AREAS OF SMOKE ASSOCIATED WITH ACTIVE FIRES AND SMOKE WHICH HAS BECOME DETACHED FROM THE FIRES AND DRIFTED SOME DISTANCE AWAY FROM THE SOURCE FIRE. TYPICALLY OVER THE COURSE OF ONE OR MORE DAYS. AREAS OF BLOWING DUST ARE ALSO DESCRIBED. USERS ARE ENCOURAGED TO VIEW A GRAPHIC DEPICTION OF THESE AND OTHER PLUMES WHICH ARE LESS EXTENSIVE AND STILL ATTACHED TO THE SOURCE FIRE IN VARIOUS GRAPHIC FORMATS ON OUR WEB SITE:

JPEG: <http://www.ospo.noaa.gov/Products/land/hms.html>GIS: <http://www.firedetect.noaa.gov/viewer.htm>KML: <http://www.ssd.noaa.gov/PS/FIRE/kml.html>ANY QUESTIONS OR COMMENTS REGARDING THIS PRODUCT SHOULD BE SENT TO
SSDFireTeam@noaa.gov**Unless otherwise indicated:**

- Areas of smoke are analyzed using GOES-EAST and GOES-WEST Visible satellite imagery.
- Only a general description of areas of smoke or significant smoke plumes will be analyzed.
- A quantitative assessment of the density/amount of particulate or the vertical distribution is not included.
- Widespread cloudiness may prevent the detection of smoke even from significant fires.

<http://www.ssd.noaa.gov/PS/FIRE/DATA/SMOKE/2017L210434.html>

1/1

Fig C-6: Is a copy of the Smoke Text Product issued by NOAA's Satellite Division.
<https://www.ssd.noaa.gov/PS/FIRE/DATA/SMOKE/2017/2017L210434.html>

FIGURE C-7 DAILY WEATHER AND AG BURNING INFORMATION

Imperial County Air Pollution Control District
Daily Weather and Ag. Burning Information

Date: Wednesday December 20, 2017

Yesterday's Weather Observations at Imperial Airport (ASOS) FAA/NWS

LOCAL TIME	TEMP °F	WINDS MILES PER HOUR	VISIBILITY MILES
7 AM	38	W 3	10
8 AM	44	CALM	10
9 AM	52	CALM	10
10 AM	59	CALM	10
11 AM	64	CALM	10
NOON	66	ESE 6	10
1 PM	69	CALM	10
2 PM	70	ESE 7	10
3 PM	70	E 8	10
4 PM	69	E 5	10
5 PM	65	SE 5	10
6 PM	61	SE 5	10
7 PM	60	ESE 5	10

Max. Temperature yesterday was 70 degrees

Today's Mt. Signal Visibility at 7:30 AM Clear NKX 12Z 500 MB Height _____
 1Y7 12Z 500 MB Height _____

Forecasts
High Today 70

	Local Forecast (Issued 8 AM Local)	Computer Forecast (RUC 40KM 12Z)
Est. Time Mixing Height reaches 3000 feet _____		1:00 pm
Forecast of Maximum Mixing Height _____	_____	feet 3240 feet
Forecast for Morning surface winds _____	S 5	mph S 5 mph
Forecast for afternoon surface winds _____	S 5	mph S 5 mph
Forecast for evening surface winds _____	WNW 10-15	
Forecast 10 AM - 3 PM transport winds _____	1-5	

	mph	

Comments/Complaints: _____

Burn Hours 1-3 ARB No Burn Day _____ District called No Burn Day _____
 Total actually burned today _____ acres Crops burned _____

IMPERIAL COUNTY AIR POLLUTION CONTROL DISTRICT 2011 Int WB

Fig C-7: Is a copy of the Imperial County Air Pollution Control District official record of the conditions as they existed for a determination of a "Burn" day on December 20, 2017

**FIGURE C-8
AIR QUALITY INDEX**

Air Quality Index Levels of Health Concern	Numerical Value	Meaning
Good	0 to 50	Air quality is considered satisfactory, and air pollution poses little or no risk.
Moderate	51 to 100	Air quality is acceptable; however, for some pollutants there may be a moderate health concern for a very small number of people who are unusually sensitive to air pollution.
Unhealthy for Sensitive Groups	101 to 150	Members of sensitive groups may experience health effects. The general public is not likely to be affected.
Unhealthy	151 to 200	Everyone may begin to experience health effects; members of sensitive groups may experience more serious health effects.
Very Unhealthy	201 to 300	Health alert: everyone may experience more serious health effects.
Hazardous	301 to 500	Health warnings of emergency conditions. The entire population is more likely to be affected.

Fig C-8: The Air Quality Index AQI is an index for reporting daily air quality. It tells you how clean or polluted your air is, and what associated health effects might be a concern for you. The AQI focuses on health affects you may experience within a few hours or days after breathing polluted air. EPA calculates the AQI for five major air pollutants regulated by the Clean Air Act: ground-level ozone, particle pollution (also known as particulate matter), carbon monoxide, sulfur dioxide, and nitrogen dioxide. For each of these pollutants, EPA has established national air quality standards to protect public health. Ground-level ozone and airborne particles are the two pollutants that pose the greatest threat to human health in this country. Source:

<https://airnow.gov/index.cfm?action=aqibasics.aqi>

**FIGURE C-9
IMPERIAL COUNTY AFFIDAVIT OF 30 DAY PUBLIC NOTICE**

Fig C-9: Is a copy of the Imperial County Air Pollution Control District official record (affidavit) affirming the publication of the notice of availability of the Exceptional Events Demonstration for February 17, 2017. The date for closing comments was [insert date]

**FIGURE C-10
IMPERIAL COUNTY COMMENTS REGARDING THE DECEMBER 20, 2017 EE
DEMONSTRATION**

Awaiting Final Comment Period