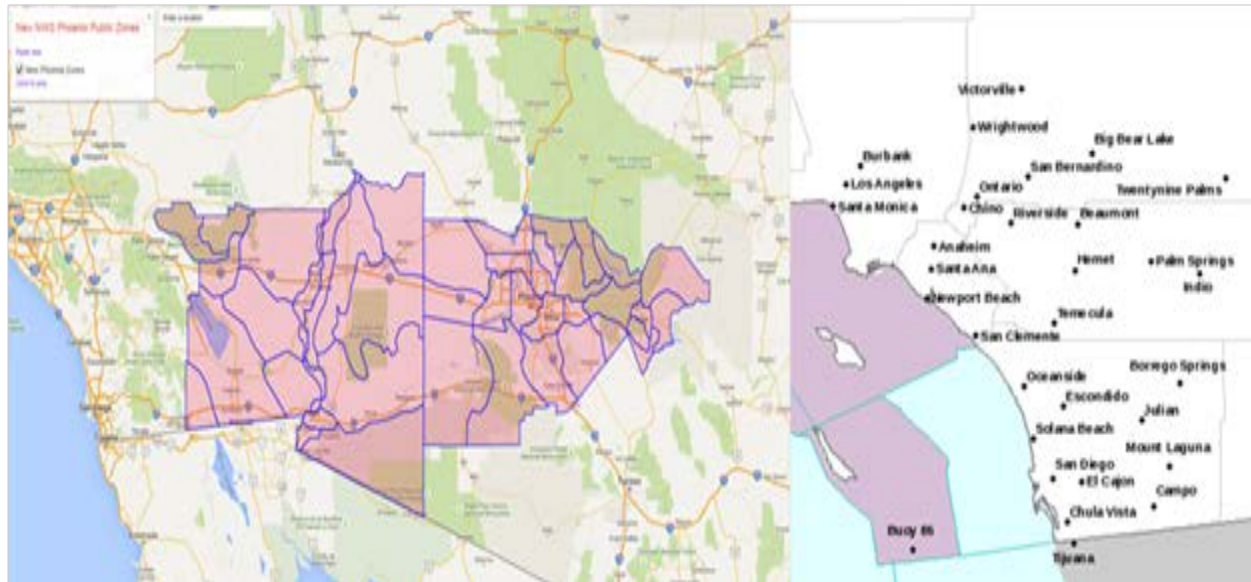


## APPENDIX C

### PUBLIC INFORMATION AND OTHER NOTICES

**FIGURE C-1**  
**NATIONAL WEATHER SERVICE PUBLIC ZONES**



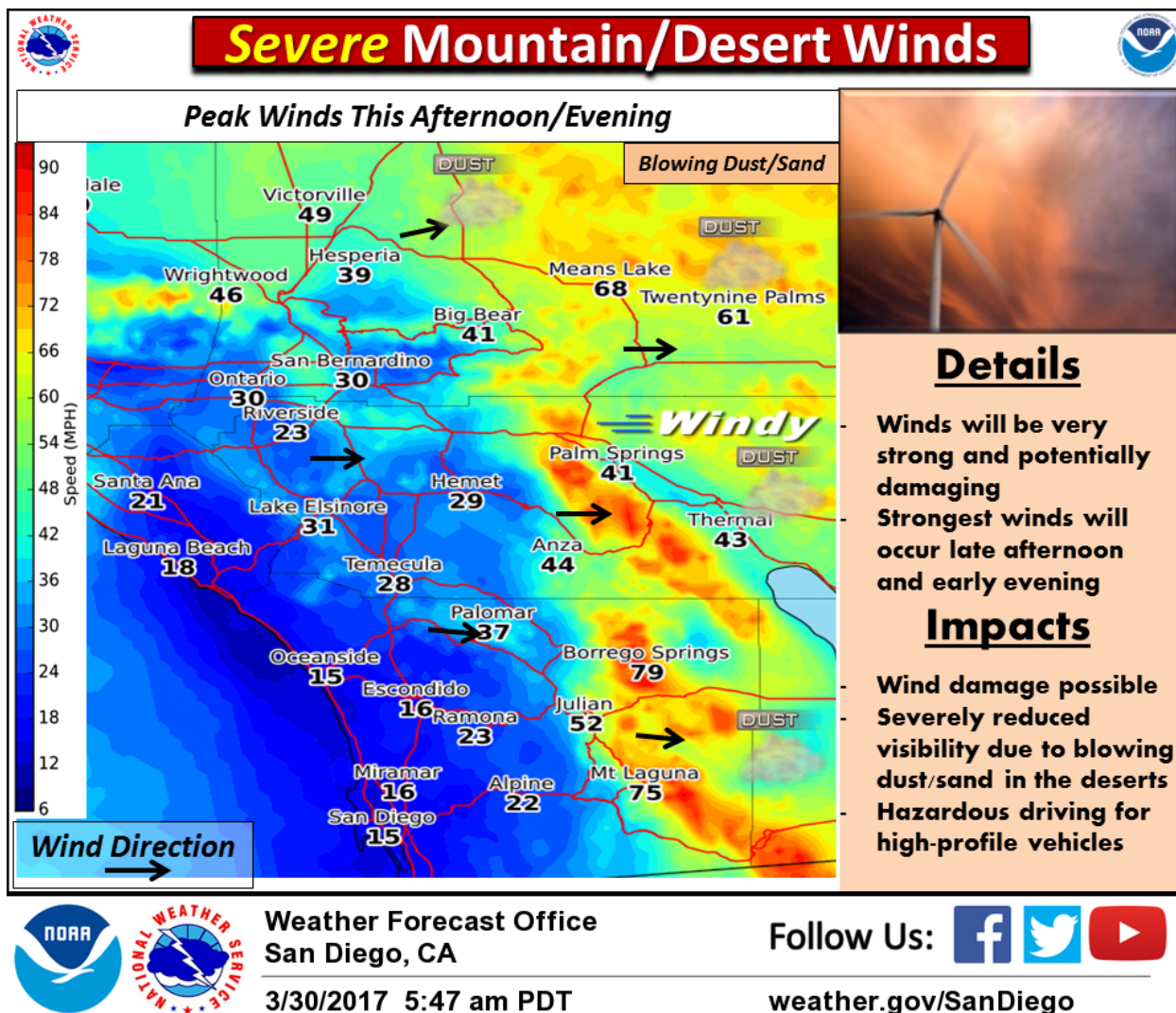
**Fig C-1:** Illustrates the public zones serviced by the National Weather Service Office in Phoenix and San Diego. Imperial County, including southeast sections of Riverside County are part of the reporting public zone areas from the Phoenix office

**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.

March 30 2017	
Be Advised	
<p><b>High wind levels have the potential to suspend particulate matter into the air. High levels of PM<sub>10</sub> 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.</b></p> <p>Potential increases in PM<sub>10</sub> concentrations may increase to moderate or unhealthy level.</p>	
Imperial County Weather Synopsis	
<p>Area Forecast Discussion  National Weather Service San Diego CA  322 AM PDT Thu Mar 30 2017</p> <p>...Severe potentially damaging winds later today and this evening over the mountains and deserts...</p> <p>SYNOPSIS FROM THE SAN DIEGO OFFICE  For today a deep low pressure trough moving across the Great Basin will bring strong and potentially damaging west winds to the mountains and deserts. Cooler Friday behind the trough with winds shifting to the northeast. High pressure rebuilding over the region Saturday will bring sunny and warm weather this weekend. Cooler early next week as another trough moves in from the northwest</p> <p>As the low shifts to the east winds will shift to the north late tonight and into Friday morning. There may be another period of strong winds through Friday morning, although not nearly as severe as what we are expecting with the WNW. Northerly winds will continue through Friday night although not nearly as strong but a wind advisory may be necessary to cover this period after the threat for high winds has ended.</p> <p>SYNOPSIS FROM THE PHOENIX OFFICE  A strong low pressure system will produce windy conditions today along with much cooler temperatures Friday. Isolated precipitation is possible across the higher terrain of eastern Arizona Saturday as the storm lingers. Warmer conditions will then return Sunday and into early next week as high pressure again builds across the region.</p>	
Weather Story Phoenix Station	Weather Story San Diego Station



## FIGURE C-3 SMOKE TEXT PRODUCT – SATELLITE SERVICES DIVISION

4/3/2017

Smoke Text Product - Satellite Services Division

**Thursday, March 30, 2017**

DESCRIPTIVE TEXT NARRATIVE FOR SMOKE/DUST OBSERVED IN SATELLITE IMAGERY  
THROUGH 0245Z March 31, 2017

**SMOKE:**

Gulf of Mexico...A large mass of thin to moderately dense smoke attributed to seasonal burning occurring over southeastern Mexico and Central America was visible this afternoon and evening spreading to the north and northeast across the Bay of Campeche and the western and central Gulf of Mexico. The smoke likely reached near or across the central Gulf coast around southeastern Louisiana but cloudiness in this area interfered with detecting the extent of the smoke. Farther to the southeast, a region of thin density leftover smoke from seasonal burning in Cuba could be seen moving to the northwest over the eastern Gulf of Mexico. Some of the very thin smoke appeared to cross over the Florida Keys and the extreme southern tip of the Florida peninsula.

**DUST:**

Southwestern US...Visible satellite imagery through early evening showed a significant blowing dust event underway over a broad portion of the Southwestern US. Swaths of moderately dense to thick dust were visible emanating from many sources in southeastern California, southern Nevada, and western and northern Arizona though cloudiness did interfere with the extent of the dust in satellite imagery. Thinner streaks of dust were also beginning to form in south central Arizona and move quickly off to the northeast. The thickest area of dust spread eastward from southeastern California over southern Nevada then northeastward over northwestern Arizona and likely into southern Utah. Farther to the west, the low sun angle revealed aerosol over the interior of central and western California and offshore over the nearby eastern Pacific though it is not known how much of this aerosol is composed of dust.

Farther to the east and southeast, a stripe of rather dense blowing dust originated from a source in northern Cochise County of southeastern Arizona and moved quickly to the northeast into southwestern New Mexico. Satellite imagery just before sunset also indicated the beginning of some blowing dust coming off of White Sands in south central New Mexico and from a few sources in the far northern part of the Mexican state of Chihuahua in northern Mexico just south of the New Mexico border. These swaths of dust were also moving off to the northeast.

JS

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.

**FIGURE C-4  
AIRQUALITY INDEX**

<b>Air Quality Index Levels of Health Concern</b>	<b>Numerical Value</b>	<b>Meaning</b>
<b>Good</b>	<b>0 to 50</b>	<b>Air quality is considered satisfactory, and air pollution poses little or no risk.</b>
<b>Moderate</b>	<b>51 to 100</b>	<b>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.</b>
<b>Unhealthy for Sensitive Groups</b>	<b>101 to 150</b>	<b>Members of sensitive groups may experience health effects. The general public is not likely to be affected.</b>
<b>Unhealthy</b>	<b>151 to 200</b>	<b>Everyone may begin to experience health effects; members of sensitive groups may experience more serious health effects.</b>
<b>Very Unhealthy</b>	<b>201 to 300</b>	<b>Health alert: everyone may experience more serious health effects.</b>
<b>Hazardous</b>	<b>301 to 500</b>	<b>Health warnings of emergency conditions. The entire population is more likely to be affected.</b>

**Fig C-4:** The Air Quality Index The 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-5 IMPERIAL COUNTY ISSUED NO BURN DAY

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

Date: Wednesday March 30 2017

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

LOCAL TIME	TEMP °F	WINDS MILES PER HOUR	VISIBILITY MILES
7 AM	55	CALM	10
8 AM	58	SW 3	10
9 AM	62		10
10 AM	74	WNW 5	10
11 AM	81	N 13 G18	10
NOON	82	NNW 8	10
1 PM	84	NNW 7	10
2 PM	84	WNW 9	10
3 PM	86	N 9	10
4 PM	88	N 6	10
5 PM	87	NNW 5	10
6 PM	88	S 3	10
7 PM	82	CALM	10

Max. Temperature yesterday was 88 degrees

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

**Forecasts**

**High Today** 92

Local Forecast (Issued 8 AM Local)      Computer Forecast (RUC 40KM 12Z)

Est. Time Mixing Height reaches 3000 feet		<b>11:00</b>
Forecast of Maximum Mixing Height	_____ feet	<b>7,545</b> feet
Forecast for Morning surface winds	<b>SW 5-10</b> mph	<b>SW 5-10</b> mph
Forecast for afternoon surface winds	<b>SW 20-25 G35</b> mph	<b>SW 20-25 G35</b> mph
Forecast for evening surface winds	<b>WNW 15-20 G30</b> mph	
Forecast 10 AM - 3 PM transport winds	<b>W 15-20</b> mph	

Comments/Complaints: \_\_\_\_\_

Burn Hours \_\_\_\_\_ ARB No Burn Day \_\_\_\_\_ District called No Burn Day YES

Total actually burned today \_\_\_\_\_ acres Crops burned \_\_\_\_\_

IMPERIAL COUNTY AIR POLLUTION CONTROL DISTRICT 2011      Int MC

**Fig C-5:** Is a copy of the Imperial County Air Pollution Control District official record of the conditions as they existed for a determination of a "No Burn" day on March 30, 2017

**FIGURE C-6**  
**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 March 30, 2017. The date for closing comments was September 6, 2019

**FIGURE C-7**  
**IMPERIAL COUNTY COMMENTS REGARDING THE MARCH 30, 2017 EE**  
**DEMONSTRATION**

Awaiting Final Comment Period