

APPENDIX C

PUBLIC INFORMATION AND OTHER NOTICES

FIGURE C-1
NATIONAL WEATHER SERVICE PUBLIC ZONES

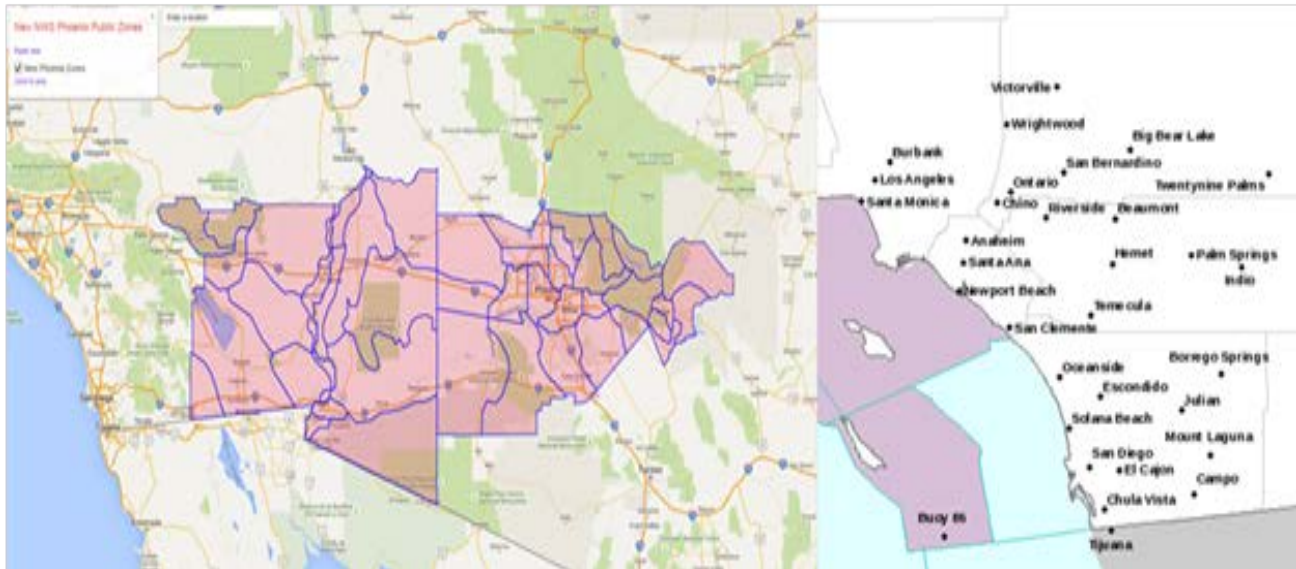


Fig C-1: Illustrates the public zones serviced by the National Weather Service Office in Phoenix and San Diego. Imperial County, including southeast sections of Riverside County are part of the reporting public zone areas from the Phoenix office

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

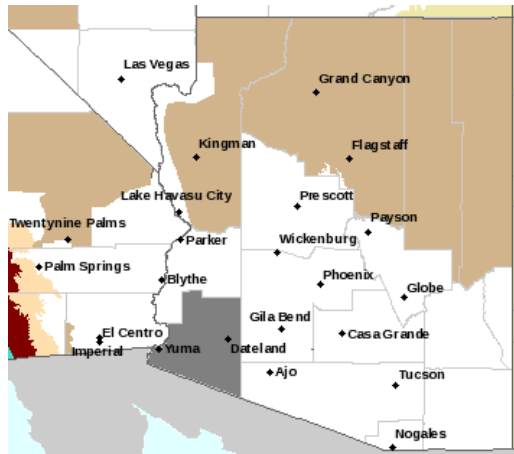
Advisory Events

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.

October 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>WIND ADVISORY FOR IMPERIAL COUNTY</p> <p>At 2:05 p.m. on October 19, 2017 the NWS Phoenix office issued a Wind Advisory for portions of Imperial County.</p> <ul style="list-style-type: none"> * AFFECTED AREA ♦ Far southwestern Imperial County. * TIMING ♦ Late Thursday afternoon through Friday evening. * WINDS ♦ Sustained 30-40 mph with gusts of 45-55 mph. * IMPACTS ♦ Motorists traveling on Interstate 8 near the San Diego County border will encounter difficult handling conditions due to very strong winds. There may also be reduced visibility at times due to blowing dust which will make conditions even more hazardous. <p>SYNOPSIS FROM THE SAN DIEGO OFFICE</p> <p>A trough of low pressure will move through the West Coast Friday. This will result in a cooling trend through Friday, with a deep marine layer bringing stratus with drizzle or light showers late tonight and Friday from the coastal mountain slopes west to the coast. A Santa Ana wind will develop this weekend and continue early next week and bring hot dry weather along with occasional gusty winds especially through and below passes and canyons. A gradual cooling trend will likely occur Wednesday and Thursday of next week.</p> <p>SYNOPSIS FROM THE PHOENIX OFFICE</p> <p>A weak upper disturbance will shift eastward out of Arizona this evening, with drier air overspreading the region from west to east. Winds will increase as a cold front moves eastward tonight and tomorrow, bringing cooler temperatures this weekend. High pressure will rebuild over the region into early next week leading to well above normal temperatures. A weak cold front will move through the region tomorrow afternoon, resulting in increasing westerly winds across the entire area. Sustained speeds around 15-20 mph, with some gusts to 30 mph, across the lower deserts of south-central and southwest Arizona will be possible. Even stronger winds are expected locally across parts of southeast California, and a Wind Advisory has been issued for southwest Imperial County (including a segment of I-8) beginning this evening through late Friday evening. Patchy blowing sand and blowing dust will also be possible mainly</p>

across Imperial County tomorrow afternoon. Winds will weaken into Saturday while turning out of the north across the lower Colorado River Valley, as high pressure builds over the Great Basin. Locally gusty winds will still be possible here, while even drier low-level air continues to spread into the Southwest.

Weather Story Phoenix Station



Weather Story San Diego Station

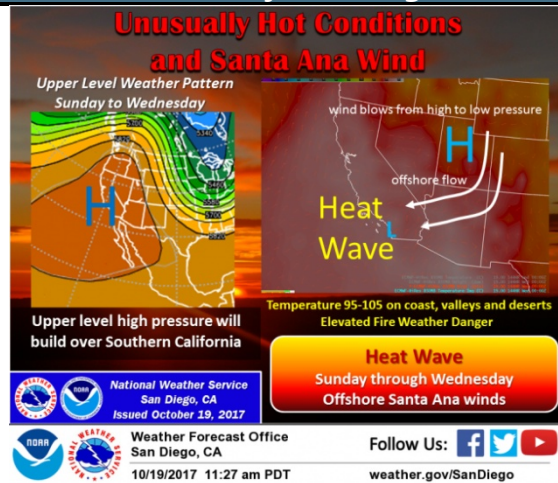


Fig C-2: The Imperial County Advisory for October 19, 2017 describing the effect of a moving low-pressure trough into the region Friday, October 20, 2017. The advisory contains the information concerning the wind advisory issued for Imperial County

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

Advisory Events

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October 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>WIND ADVISORY FOR IMPERIAL COUNTY</p> <p>A WIND ADVISORY REMAINS IN EFFECT FROM 11 AM THIS MORNING TO 11 PM PDT THIS EVENING. Gusty winds will be area wide and some potential for blowing dust across Imperial County will be the concern for today. The Wind Advisory for far western Imperial County has been expanded eastward, essentially covering the rest of the county where wind gusts will approach 45 mph at times this afternoon. Sustained winds of 25-35 mph with gusts 35-45 mph are expected. The Advisory will remain in effect through the evening of Friday, October 20. Impacts will include Motorists traveling on Interstate 8, Highway 111, and Highway 78 will encounter difficult handling conditions due to very strong winds. There may also be reduced visibility at times due to blowing dust which will make conditions even more hazardous.</p> <p>For San Diego County, stronger west winds in the mountains and deserts. Strongest winds will be along the ridges and upper desert mountain slopes as well as below the passes where gusts of 50-60 mph are likely. A Wind Advisory will be in effect for the mountains and deserts excluding the Coachella Valley from 5 AM through 9 PM.</p> <p>SYNOPSIS FROM THE SAN DIEGO OFFICE</p> <p>A trough of low pressure will move through the West Coast today, resulting in further cooling trend and patchy drizzle or light showers through this afternoon from the coastal mountain slopes west to the coast. Local gusty west winds will continue in the mountains and deserts through this evening. A Santa Ana event will develop this weekend and continue early next week, bringing hot and dry weather along with occasional gusty winds, especially through and below passes and canyons. A gradual cooling trend will likely occur Wednesday and Thursday of next week. The marine layer has deepened quite a bit with low clouds pushing through the Cajon and San Geronio Passes, though cloud coverage remains somewhat patchy. No reports of drizzle let alone any measurable precipitation yet, but with the trough axis approaching perhaps something will develop later this morning. Have left slight chance of showers in the forecast for this morning and afternoon. Aside from the clouds and potential showers, the trough will bring further cooling today and slightly stronger west winds in the mountains and deserts. Strongest</p>

winds will be along the ridges and upper desert mountain slopes as well as below the passes where gusts of 50-60 mph are likely. A Wind Advisory will be in effect for the mountains and deserts excluding the Coachella Valley from 5 AM through 9 PM.

SYNOPSIS FROM THE PHOENIX OFFICE

A fast moving low pressure system will pass by to the north today while increasing winds across much of the Desert Southwest. Cooler air will also settle into the region as highs drop back closer to normal levels through Saturday. High pressure will rebuild over the region starting Sunday, lasting through much of next week. This will result in warm and dry conditions and well above normal temperatures. The weak shortwave trough that affected the region on Thursday has exited well to the east while a more significant trough digs into the Pacific Northwest and northern California early this morning. Drying conditions aloft will promote generally clear skies today into the weekend with further drying occurring in the lower levels. Gusty winds area wide and some potential for blowing dust across Imperial County will be the concern for today. The Wind Advisory for far western Imperial County has been expanded eastward, essentially covering the rest of the county where wind gusts will approach 45 mph at times this afternoon.

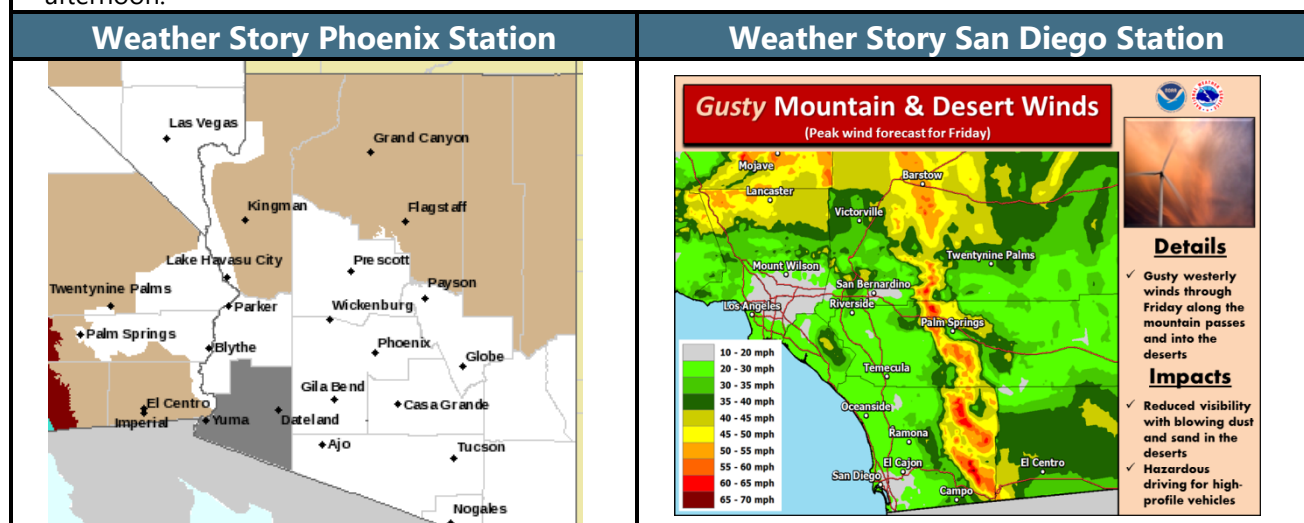


Fig C-3: The Imperial County Advisory for October 20, 2017 describing the effect of a moving low-pressure trough into the region. The advisory contains the information concerning the wind advisory and the potential for blowing dust in Imperial County

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

Advisory Events

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Imperial County Weather Synopsis

A BLOWING DUST ADVISORY IS NOW IN EFFECT FOR IMPERIAL COUNTY.

The National Weather Service in Phoenix has issued a Blowing Dust Advisory, which is in effect until 6 PM PDT this evening.

...BLOWING DUST ADVISORY IN EFFECT UNTIL 6 PM PDT THIS EVENING...

...WIND ADVISORY REMAINS IN EFFECT UNTIL 11 PM PDT THIS EVENING...

* AFFECTED AREA ♦ Imperial County.

* TIMING ♦ Now through Friday evening.

* WINDS ♦ Sustained 25-35 mph with gusts 35-45 mph.

* VISIBILITY ♦ Below 1 mile.

WIND ADVISORY FOR IMPERIAL COUNTY

A WIND ADVISORY REMAINS IN EFFECT FROM 11 AM THIS MORNING TO 11 PM PDT THIS EVENING. Gusty winds will be area wide and some potential for blowing dust across Imperial County will be the concern for today. The Wind Advisory for far western Imperial County has been expanded eastward, essentially covering the rest of the county where wind gusts will approach 45 mph at times this afternoon. Sustained winds of 25-35 mph with gusts 35-45 mph are expected. The Advisory will remain in effect through the evening of Friday, October 20. Impacts will include Motorists traveling on Interstate 8, Highway 111, and Highway 78 will encounter difficult handling conditions due to very strong winds. There may also be reduced visibility at times due to blowing dust which will make conditions even more hazardous.

For San Diego County, stronger west winds in the mountains and deserts. Strongest winds will be along the ridges and upper desert mountain slopes as well as below the passes where gusts of 50-60 mph are likely. A Wind Advisory will be in effect for the mountains and deserts excluding the Coachella Valley from 5 AM through 9 PM.

SYNOPSIS FROM THE SAN DIEGO OFFICE

A trough of low pressure will move through the West Coast today, resulting in further cooling trend and patchy drizzle or light showers through this afternoon from the coastal mountain slopes west to the

coast. Local gusty west winds will continue in the mountains and deserts through this evening. A Santa Ana event will develop this weekend and continue early next week, bringing hot and dry weather along with occasional gusty winds, especially through and below passes and canyons. A gradual cooling trend will likely occur Wednesday and Thursday of next week. The marine layer has deepened quite a bit with low clouds pushing through the Cajon and San Geronimo Passes, though cloud coverage remains somewhat patchy. No reports of drizzle let alone any measurable precipitation yet, but with the trough axis approaching perhaps something will develop later this morning. Have left slight chance of showers in the forecast for this morning and afternoon. Aside from the clouds and potential showers, the trough will bring further cooling today and slightly stronger west winds in the mountains and deserts. Strongest winds will be along the ridges and upper desert mountain slopes as well as below the passes where gusts of 50-60 mph are likely. A Wind Advisory will be in effect for the mountains and deserts excluding the Coachella Valley from 5 AM through 9 PM.

SYNOPSIS FROM THE PHOENIX OFFICE

A fast moving low pressure system will pass by to the north today while increasing winds across much of the Desert Southwest. Cooler air will also settle into the region as highs drop back closer to normal levels through Saturday. High pressure will rebuild over the region starting Sunday, lasting through much of next week. This will result in warm and dry conditions and well above normal temperatures. The weak shortwave trough that affected the region on Thursday has exited well to the east while a more significant trough digs into the Pacific Northwest and northern California early this morning. Drying conditions aloft will promote generally clear skies today into the weekend with further drying occurring in the lower levels. Gusty winds area wide and some potential for blowing dust across Imperial County will be the concern for today. The Wind Advisory for far western Imperial County has been expanded eastward, essentially covering the rest of the county where wind gusts will approach 45 mph at times this afternoon.

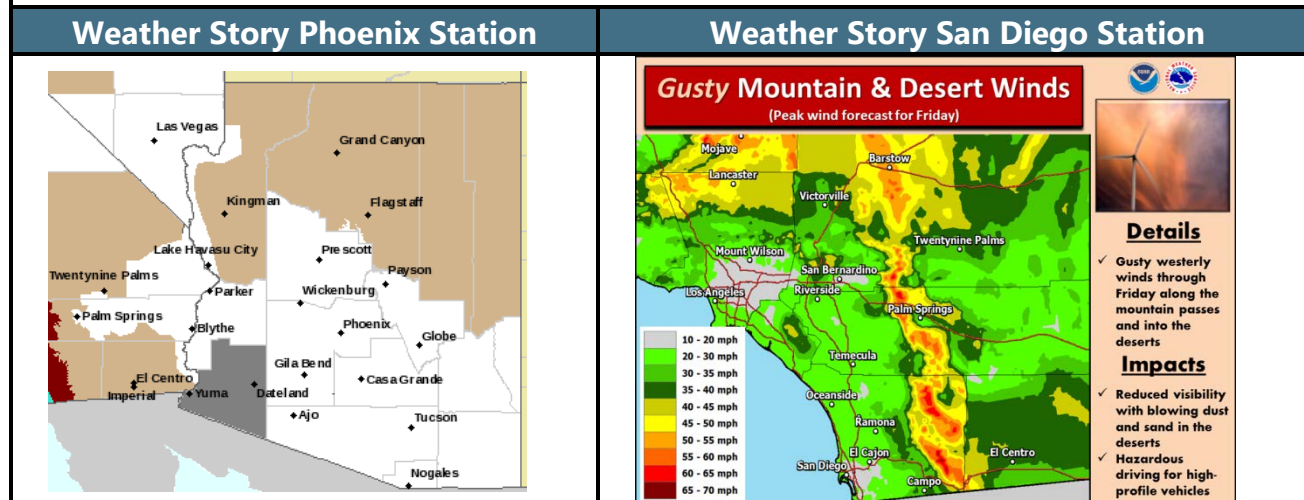


Fig C-4: The Imperial County revised Advisory for October 20, 2017 describing the effect of a moving low-pressure trough into the region. The advisory contains the information concerning the wind and blowing dust issued for Imperial County

FIGURE C-5 WEATHER STORY SAN DIEGO OFFICE



Fig C-5: Weather Story San Diego NWS office, October 19, 2017. Gusty Mountain & Desert Winds

FIGURE C-6 WEATHER STORY SAN DIEGO OFFICE

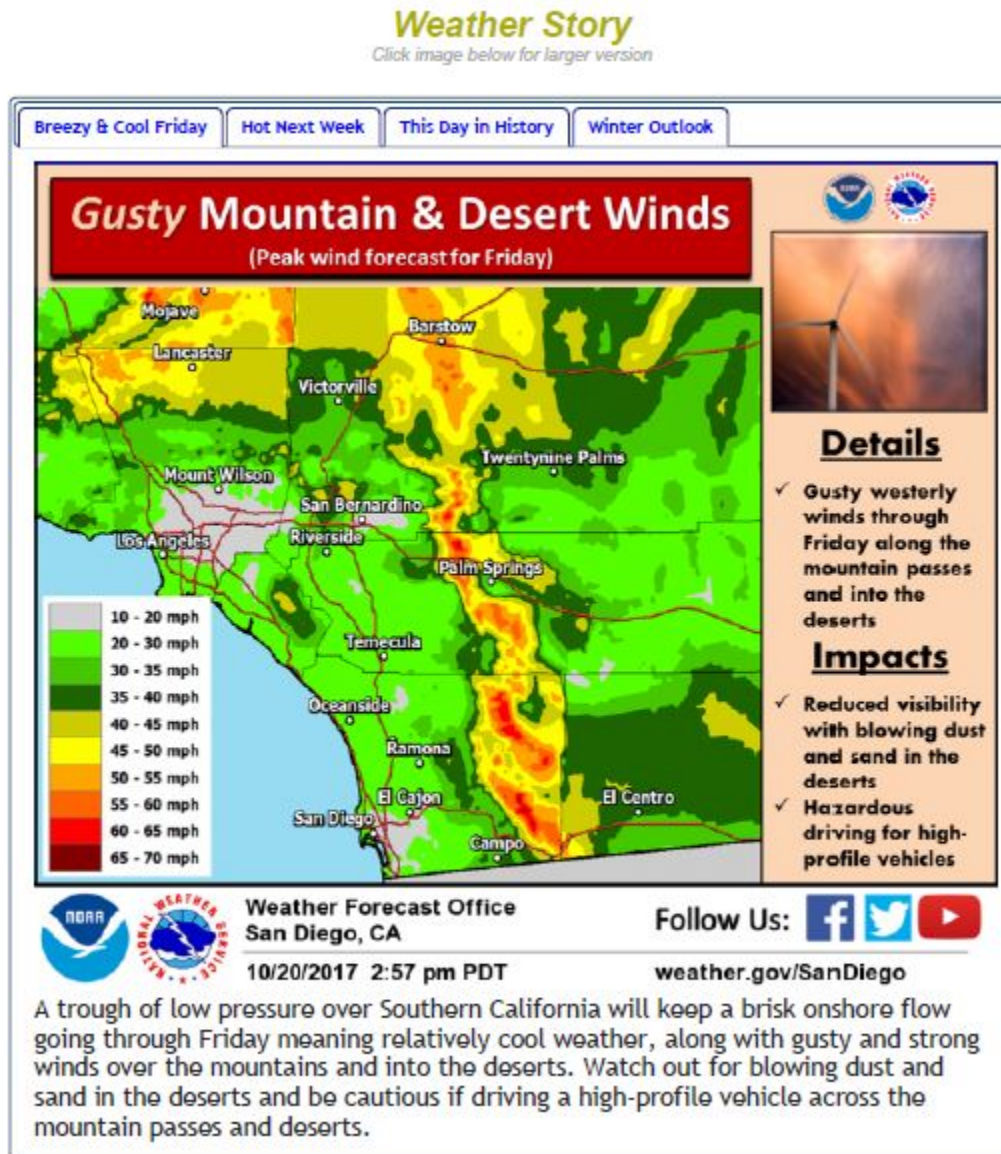


Fig C-6: Weather Story San Diego NWS office, October 20, 2017. Gusty Mountain & Desert Winds

FIGURE C-7

NOAA SMOKE TEXT PRODUCT – SATELLITE SERVICES DIVISION

7/2/2018

Smoke Text Product - Satellite Services Division

Friday, October 20, 2017

DESCRIPTIVE TEXT NARRATIVE FOR SMOKE/DUST OBSERVED IN SATELLITE IMAGERY
THROUGH 0130Z October 21, 2017

SMOKE:

South Eastern US...

Fires from the Lower Mississippi Valley to the Florida Panhandle to Virginia were seen emitting mainly light smoke plumes. These smoke plumes were moving counter-clockwise around a high pressure center located over the southern Appalachians. Of note is the cloud mass over western Mississippi, Louisiana, Arkansas, Missouri, and eastern Texas today. This cloud cover is almost surely obstructing the view of agricultural fires and smoke plumes in these areas, mostly Louisiana and Arkansas.

Northern Great Plains...

A dozen or so of the agricultural burns across much of southeastern Saskatchewan, southern Manitoba, northern North Dakota and northwestern Minnesota were seen producing mainly light density smoke. Much of this smoke was being lifted northward, with the exception of the most northern smoke plumes, which were seen moving toward the west. Cloud cover obscured some of the region at times today as well, impacting the smoke analysis.

The Olympic Peninsula/Victoria Island...

Smoke was likely seen being emitted from fires across Washington State's Olympic Peninsula and Victoria Island. This smoke was being blown off toward the east on fairly fast westerly winds. More smoke is likely present throughout interior British Columbia and the coastal Pacific Northwest. However, the presence of cloud cover hampers the analysis of smoke in this area

DUST:

Imperial Valley...

An impressive dust storm was observed moving eastward across the Imperial Valley in south-central California. This blowing dust made its way into southwestern Arizona as well.

Mojave Desert...

More blowing dust was observed in some of the valleys of the Mojave Desert in southern California. This dust was seen moving northeast towards the Nevada state line.

Caribbean Sea/Atlantic Ocean...

Saharan dust was observed across much of the Tropical North Atlantic, Caribbean Sea, the southern Bahamas, and central North Atlantic. Much of this dust appeared to be dragged northeast by a front draped over the central Atlantic Ocean, while the rest was moving toward the western Caribbean Sea.

-Hosley

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>

<http://www.ssd.noaa.gov/PS/FIRE/DATA/SMOKE/2017/2017J210513.html>

Fig C-7: Descriptive Text Narrative for smoke/dust observed in satellite imagery. NOAA Satellite and Information Service. <https://www.ssd.noaa.gov/PS/FIRE/DATA/SMOKE/2017/2017J210513.html>

FIGURE C-8 DAILY WEATHER AND AG BURNING INFORMATION

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

Date: Thursday, October 20, 2017

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

LOCAL TIME	TEMP °F	WINDS MILES PER HOUR	VISIBILITY MILES
7 AM	75	W 8	10
8 AM	77	NW 3	10
9 AM	82	CALM	10
10 AM	85	SE 3	10
11 AM	88	No Data	10
NOON	92	S 6	10
1 PM	93	No Data	10
2 PM	96	No Data	10
3 PM	97	WSW 17	10
4 PM	93	W 17	10
5 PM	92	WSW 17	10
6 PM	87	WSW 17/G26	10
7 PM	84	WSW 17	10

Max. Temperature yesterday was 97 degrees

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

Forecasts
High Today 85

Local Forecast
(Issued 8 AM Local)

Computer Forecast
(RUC 40KM 12Z)

Est. Time Mixing Height reaches 3000 feet _____

Forecast of Maximum Mixing Height _____ feet

Forecast for Morning surface winds W 15-20/G25-30 mph

Forecast for afternoon surface winds W 15-20/G40 mph

Forecast for evening surface winds WNW 15-25 mph

Forecast 10 AM - 3 PM transport winds 15-32 mph

11:00 am

3372 feet

W 15-20/G25-30 mph

_____ mph

_____ mph

_____ mph

Comments/Complaints: NO Burn Day due to high winds.

Burn Hours - ARB No Burn Day _____ District called No Burn Day XX

Total actually burned today _____ acres Crops burned _____

IMPERIAL COUNTY AIR POLLUTION CONTROL DISTRICT 2011

Int WB

Fig C-8: 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 October 20, 2017

IMPERIAL COUNTY
AIR POLLUTION CONTROL DISTRICT
COMPLAINT # 7122

Date	Time	Initial	Supplemental
10/20/17	3:07pm	SG	
Complainant Name: <u>Sheriffs Dept.</u>			
Complainant Address: <u>Forrester / Keystone</u>			
Phone: <u>442.265.2021</u>			
<input checked="" type="checkbox"/> Smoke:	<input type="checkbox"/> Dust:	<input checked="" type="checkbox"/> Open Fire:	<input type="checkbox"/> Ag Related:
<input type="checkbox"/> Odors:		<input type="checkbox"/> Other:	
There are woodchips on fire on the west side of the river bottom near Forrester Rd.			
Statement of Source (Inspector's Report):			
See Attachment			

FIGURE C-11
AIR POLLUTION CONTROL DISTRICT COMPLIANT – Pg 3

IMPERIAL COUNTY AIR POLLUTION CONTROL DISTRICT
COMPLAINT INVESTIGATION

Complaint: 7122
Complainant Name: Sheriff's Dept.
Phone: 442-283-0157
Source Type: Smoke / Open fire
Inspection Date/Time: October 20, 2017 / 3:07 p.m.
Source Name:
Location: Keystone & Forrester by the New River.
Inspector: Wilmer Barrios, ICAPCD Inspector II

Inspection Results

On Friday October 20, 2017 at 3:07 p.m., ICAPCD received a complaint (complaint #7122) from Sheriff's Dept. That there are woodchips on fire on the west side of the river bottom near Forrester Rd. I (Wilmer Barrios, ICAPCD Inspector I) drove to the site.

At around 3:50 p.m., I (Wilmer Barrios, ICAPCD Inspector II) arrived at the intersection of Forrester and Keystone. The Road was block off by Public Works due to the fire been to close to the road off on Keystone. I started taking pictures, and informed my Divisional Manager (Emmanuel Sanchez. I have come to this site several times, as this site may be an illegal dumping site.



Wilmer Barrios
ICAPCD Inspector II

Fig C-11: Follow-up complaint narrative by the investigating Inspector – Page 3

**FIGURE C-12
AIRQUALITY 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-12: 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-13
IMPERIAL COUNTY AFFIDAVIT OF 30 DAY PUBLIC NOTICE

Fig C-13: 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 October 20, 2017. The date for closing comments was [insert date]

FIGURE C-14
IMPERIAL COUNTY COMMENTS REGARDING THE OCTOBER 20, 2017 EE
DEMONSTRATION

Awaiting Final Comment Period