

APPENDIX C PUBLIC INFORMATION AND OTHER NOTICES

FIGURE C-1 NATIONAL WEATHER SERVICE PUBLIC ZONES

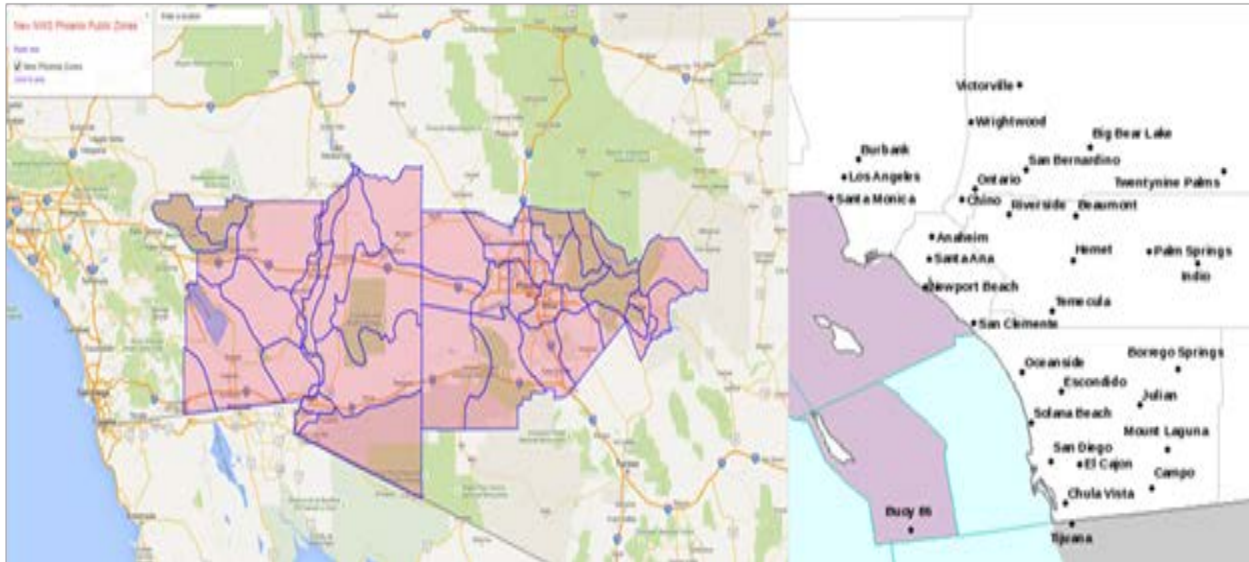


Fig C-1: Illustrates the public zones serviced by the National Weather Service Office in Phoenix and San Diego. Imperial County, including southeast sections of Riverside County are part of the reporting public zone areas from the Phoenix office

**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.

September 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>MOUNTAIN/DESERTS Clear today and tonight. Local west wind gusts 28-40 mph along the desert slopes and through San Gorgonio Pass late afternoon through evening.</p> <p>SAN DIEGO OFFICE - DISCUSSION Early this morning the marine layer is near 3000 to 3500 feet deep with widespread stratus extending into the far inland valleys and into the Banning and Cajon passes.</p> <p>A low pressure system centered along the British Columbia coast will move southward along the West Coast through Thursday and Friday then weaken for the weekend into early next week as high pressure aloft strengthens off the West Coast.</p> <p>Onshore flow will strengthen further for Wednesday afternoon through Thursday night with period of strong gusty west winds from the mountain ridge tops into the deserts. There could be gusts to around 65 mph in the windier locations with strongest winds for Thursday afternoon and evening.</p> <p>For next week - High pressure aloft will strengthen off the West Coast this weekend with surface high pressure developing over the Great Basin early next week. This will bring a warming trend with high temperatures near to a little above average early next week. Period of locally gust northeast winds are possible near the coastal foothills and below passes and canyons early next week.</p> <p>FROM THE PHOENIX OFFICE Dry air over the Southwest will persist through Wednesday as temperatures remain near seasonal normals across southeast California and southern Arizona. A strong expansive area of low pressure will develop over the Western United States during the latter part of the week bringing cooler temperature, breezy conditions, and the chance for showers and a few thunderstorms to eastern portions of Arizona for Thursday and Friday. Well below normal temperatures and dry conditions will move in across the region this weekend.</p>


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

Advisory Events

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September 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>MOUNTAIN/DESERTS Mostly clear skies through tonight. Evening west winds 23 - 34 mph with gusts 46 mph will create a moderately strong up and down drafts and surface winds could gust to 34 mph.</p> <p>SAN DIEGO OFFICE - DISCUSSION An unseasonably deep trough will drop out of Washington down the West Coast today and Thursday. There is a weak front-like feature that pushes through Southern California Thursday late morning. It looks capable of producing light showers anywhere from the coast to the mountain crests. Some foothill locations might get more than a tenth inch, but only a hundredth or two is most likely in the lower elevations.</p> <p>Thursday Winds will crank up as well in the mountains and deserts Thursday afternoon and evening. Top gusts in the top spots, such as through mountain passes and adjacently downwind, will exceed 50 mph, but most areas will stay under 45 mph.</p> <p>Thursday and Friday Temperatures will be mostly in the 70s, but 80s in the lower desert Thursday and Friday</p> <p>PHOENIX OFFICE - DISCUSSION Skies remain clear to mostly clear across the Southwest United States while a large upper level trough is situated across the Northwest United States. Dry westerly flow still persists across the Desert Southwest to the south of the large trough, but this will shift more out of the southwest starting Thursday. This will occur as a strong shortwave trough digs down along the western edge of the large trough allowing it to dive into the Great Basin and southern California on Thursday. Deepening surface low pressure to our north on Thursday will promote a strong pressure gradient and breezy to windy conditions across the region with gusts across southeast California approaching Wind Advisory levels and gusts of 25 - 30 mph across southern Arizona.</p>	
Weather Story Phoenix Station	Weather Story San Diego Station

Fall Weather This Week



Wed	Thu	Fri	Sat
Breezy 73° 66° 5% SW 16	Breezy 71° 66° 15% SW 17	Breezy 73° 66° 10% W 19	74° 67° 5% W 7

4 Day Outlook - San Diego

Cool & cloudy at times along and west of the mountains with limited clearing some days

Wed	Thu	Fri	Sat
Breezy 69° 0% SW 22	Windy 60° 10% SW 30	Breezy 59° 10% NW 21	61° 5% N 9
38°		32°	

4 Day Outlook - Big Bear City, CA

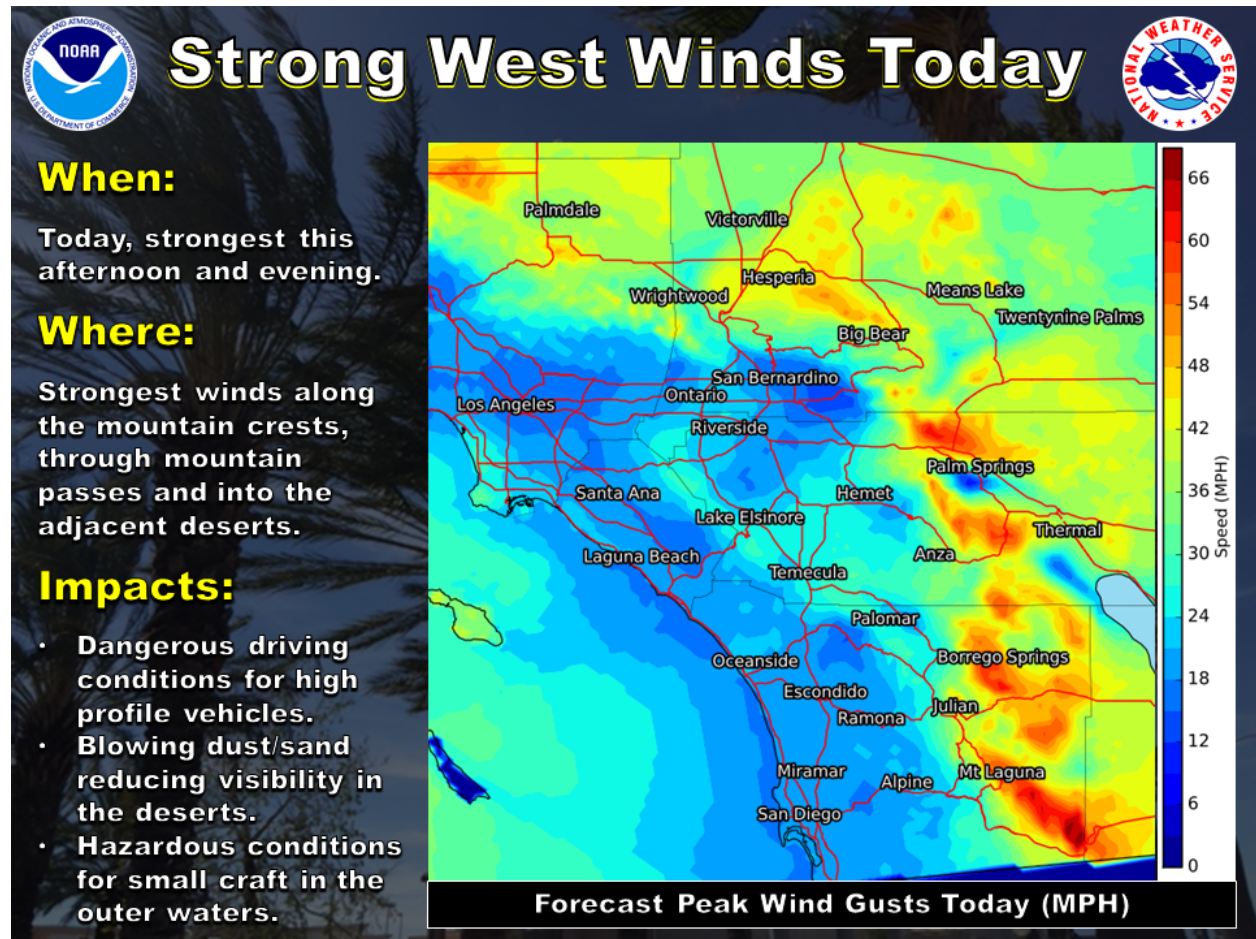
Gusty west winds at times in the mountains and desert slopes

Wed	Thu	Fri	Sat
Breezy 80° 5% W 16	Breezy 72° 20% SW 15	Breezy 76° 20% W 20	80° 5% W 12
62°		58°	

4 Day Outlook - Riverside, CA

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

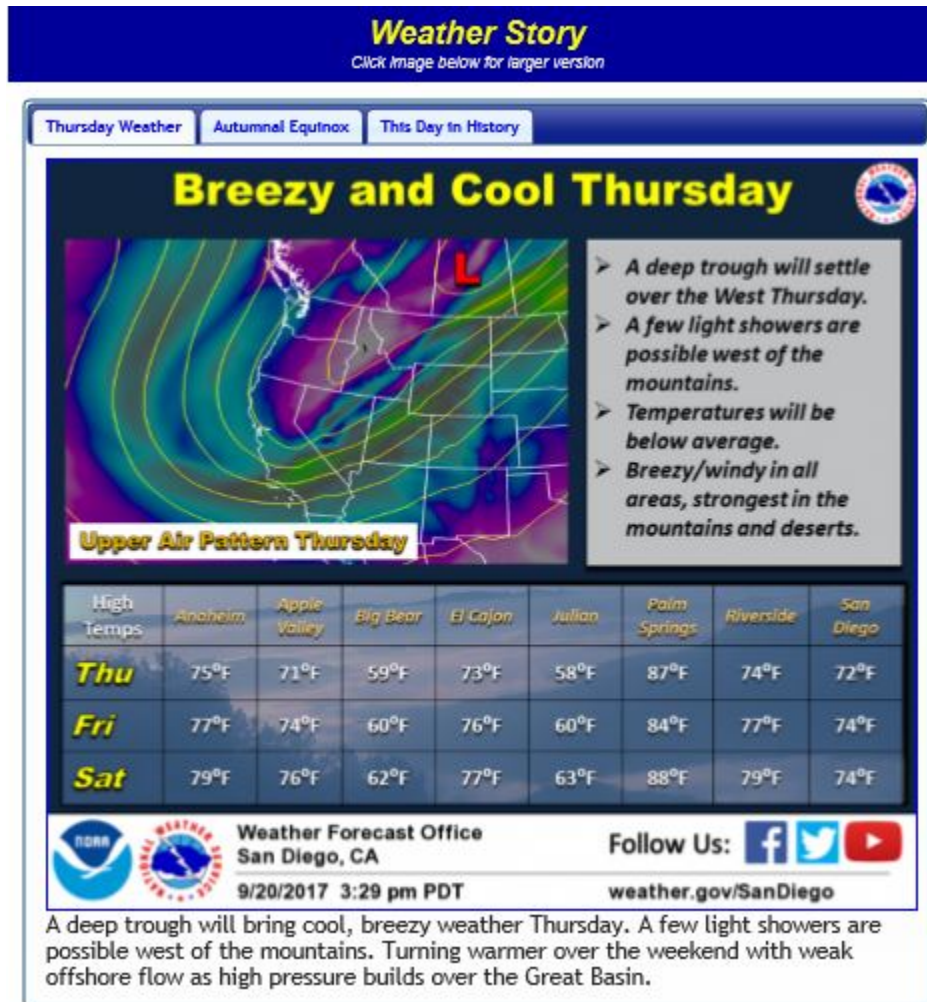
September 21 2017	
Be Advised	
<p>High wind levels have the potential to suspend particulate matter into the air. High levels of PM10 may pose an impact to public health. It is recommended that active children and adults, and people with respiratory disease, such as asthma, limit their outdoor activities.</p> <p>Potential increases in PM₁₀ concentrations may increase to moderate or unhealthy level.</p>	
Imperial County Weather Synopsis	
<p>WIND ADVISORY A wind advisory has been issued by the San Diego and Phoenix Weather offices.</p> <p>WIND ADVISORY REMAINS IN EFFECT FROM 11 AM THIS MORNING TO 1 AM PDT FRIDAY</p> <p>Western Imperial County and portions of eastern Riverside county, Joshua Tree National Park and San Diego mountains and deserts</p> <p>Sustained westerly winds 25 to 35 mph with gusts of 40 to 50 mph and West to southwest 20 to 30 mph with gusts of 40 to 50 mph for mountains and passes</p> <p>SAN DIEGO OFFICE - SYNOPSIS A trough of low pressure will drop into Southern California today and linger through Saturday. Today it will bring cooler and cloudier weather, some showers from the coast to the mountain crests, and areas of strong winds in the mountains and deserts. As the trough departs over the weekend, offshore flow will develop to bring clear skies and a warming trend next week.</p> <p>PHOENIX OFFICE - DISCUSSION An area of low pressure and associated cold front will sweep through the region over the next two days. The end result will be substantially cooler temperatures along with occasionally breezy conditions. Precipitation chances will be negligible and limited to only some sprinkles over the higher terrain.</p> <p>The strong cool season frontal passage will generate windy conditions today and overnight. Wind gusts 28-40 mph will be possible from west-southwest by the afternoon. Skies will remain mostly clear and winds will subside overnight.</p>	
Weather Story Phoenix Station	Weather Story San Diego Station



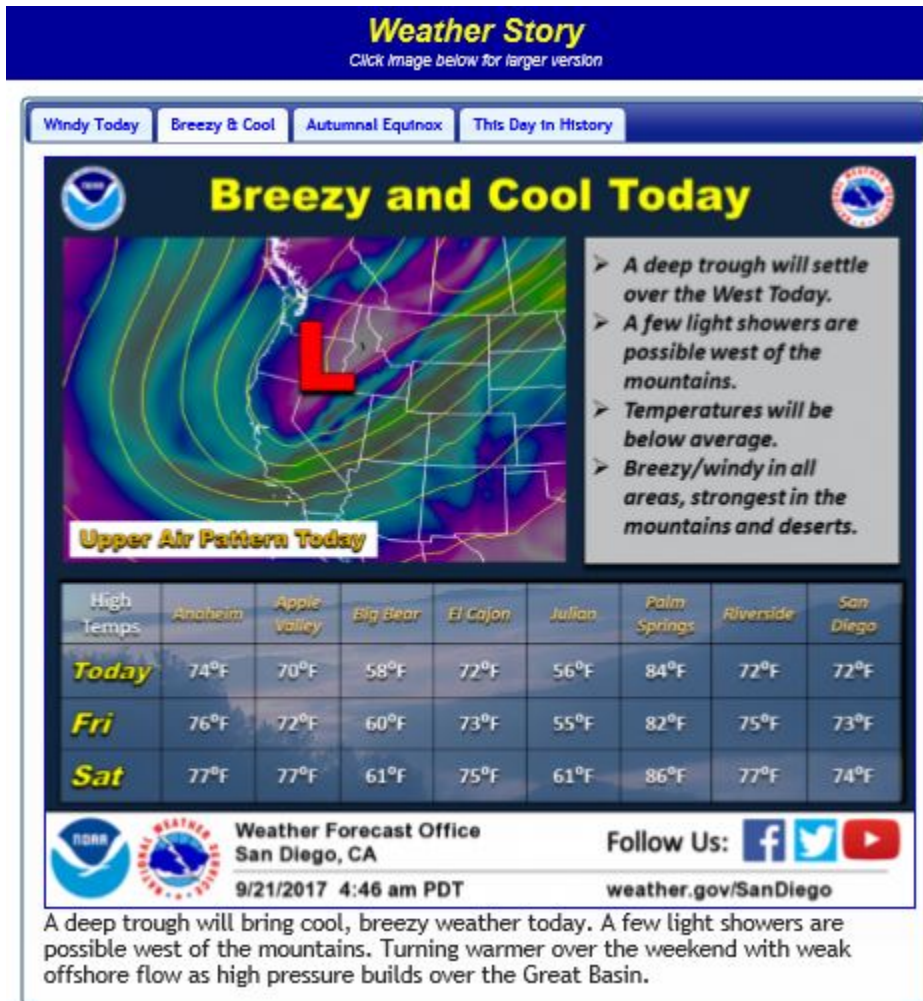
**FIGURE C-5
SAN DIEGO WEATHER STORY**



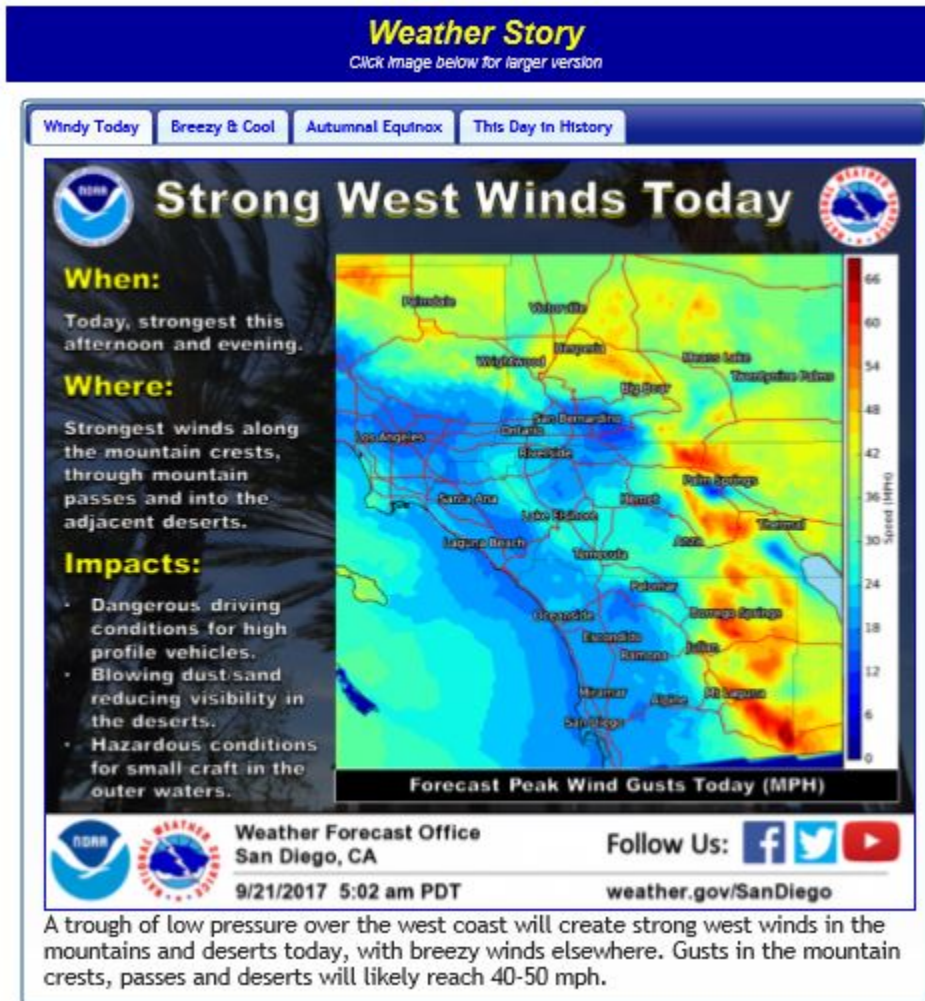
**FIGURE C-6
SAN DIEGO WEATHER STORY**



**FIGURE C-7
SAN DIEGO WEATHER STORY**



**FIGURE C-8
SAN DIEGO WEATHER STORY**



A trough of low pressure over the west coast will create strong west winds in the mountains and deserts today, with breezy winds elsewhere. Gusts in the mountain crests, passes and deserts will likely reach 40-50 mph.

**FIGURE C-9
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-9: 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 effects 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-10 IMPERIAL COUNTY ISSUED NO BURN DAY

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

Date: Thursday September 21, 2017

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

LOCAL TIME	TEMP °F	WINDS MILES PER HOUR	VISIBILITY MILES
7 AM	64	SW 3	10
8 AM	72	CALM	10
9 AM	79	NNW 3	10
10 AM	82	N 5	10
11 AM	87	WNW 5	10
NOON	89	N 7	10
1 PM	93	NE 7	10
2 PM	94	SE 7	10
3 PM	94	CALM	10
4 PM	97	SSW 10	10
5 PM	96	W 14	10
6 PM	92	W 15	10
7 PM	88	W 10	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 91

	Local Forecast (Issued 8 AM Local)	Computer Forecast (RUC 40KM 12Z)
Est. Time Mixing Height reaches 3000 feet	_____	10:00 am
Forecast of Maximum Mixing Height	_____ feet	6233 feet
Forecast for Morning surface winds	W 10-15 mph	W 10-15 mph
Forecast for afternoon surface winds	W 20-25/G40 mph	W 20-25/G40 mph
Forecast for evening surface winds	W 20-25 mph	
Forecast 10 AM - 3 PM transport winds	10-23 mph	

Comments/Complaints: **Winds are going to gust up to 40 mph .**

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 _____

Fig C-10: 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 September 21, 2017

FIGURE C-11 NOAA DESCRIPTIVE TEXT PRODUCT

6/11/2018

Smoke Text Product - Satellite Services Division

Thursday, September 21, 2017

DESCRIPTIVE TEXT NARRATIVE FOR SMOKE/DUST OBSERVED IN SATELLITE IMAGERY THROUGH 0300Z September 22, 2017

SMOKE:

Eastern Great Lakes/Northeastern US/Middle Atlantic Region/Southern Quebec...

Patches of the remnant thin density smoke could still be seen late this afternoon extending from far southern Ontario southward over western New York, western Pennsylvania, far eastern Ohio, northern West Virginia, western Maryland, and northern and central Virginia. This long leftover smoke was believed to still be from earlier wildfire activity over the past few weeks occurring in both central Canada and the northwestern part of the US.

Western British Columbia/Offshore of the Pacific Northwest and Northern California...

More leftover smoke was visible spreading to the south from southwestern British Columbia/Vancouver Island out over the Pacific and just off the coast of Washington, Oregon, and northern California. This smoke was likely leftover from a number of wildfires burning over the past couple of weeks across parts of western and central Canada with some possible contribution from recent wildfire activity over the northwestern part of the US.

DUST:

Southwestern US...

A batch of thin density blowing dust spread to the east during the afternoon across the desert region of southeastern California, and into western Arizona and far northeastern Baja.

JS

Earlier This Morning...

Missouri...

A tenuous layer of smoke is present over much of eastern Missouri. This layer is moving off to the east. The origin of this smoke is not apparent.

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>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.

<http://www.ssd.noaa.gov/PS/FIRE/DATA/SMOKE/2017/20171220323.html>

1/2

**FIGURE C-12
ICAPCD COMPLAINT THOMAS DARPEATH**

**IMPERIAL COUNTY
AIR POLLUTION CONTROL DISTRICT
COMPLAINT # 7105**

Date	Time	Initial	Supplemental		
9/21/17	10:00	JR			
Complainant Name: <u>Thomas Darpeath</u>					
Complainant Address: <u>1425 Vock Road, Wintershire</u> <u>Well Trailer Park</u>					
Phone: <u>760-587-0828</u>					
Smoke:	<input checked="" type="checkbox"/> Dust	Open Fire:	Ag Related:	Odors:	Other:
<p>Caller complained about a field near the home that is discing a field is creating a lot of dust. Caller stated they are <u>not</u> discing at the moment but that whenever they do it creates a lot of dust. Caller also stated that he has taken pictures himself of the dust.</p>					
Statement of Source (Inspector's Report):					
<p>-> I contacted Mr Darpeath and left him a message. I have informed him to call us back when the discing of the field is taking place and dust is becoming an issue so that an APCD Inspector can be dispatched to the area and investigate.</p>					

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

Fig C-11: 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-14
IMPERIAL COUNTY COMMENTS REGARDING THE
SEPTEMBER 21, 2017 EE DEMONSTRATION**

Awaiting Final Comment Period