

# Fire Weather Operating Plan For Mississippi

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# 2017

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# I Introduction

This operating plan will be a semi-permanent state plan specifying services provided by the National Weather Service Offices in Mississippi. This plan incorporates procedures detailed in the Interagency Agreement of Meteorological Services. The National Weather Service offices that service portions of Mississippi will provide fire weather services for state and federal agencies and other public land management institutions for the state. The services will consist of fire weather products and support as outlined in the National Agreement for Meteorological Services, which was signed by the Departments of Commerce, Agriculture, and Interior.

The National Weather Service (NWS) will compose standard products, including fire weather planning forecasts, fire weather watches, fire matrix forecasts, red flag warnings, NFDRS forecasts, fire weather notification messages, fire danger statements, and hazardous weather outlooks in relation to fire weather. Fire weather training and other assistance will be provided to cooperating agencies by the NWS when meteorologists are available. Agencies served will provide the NWS needed weather observations suitable for forecasting and verification purposes as needed. Land management agencies will provide fuel and fire behavior training necessary for forecasters to understand needs of foresters and others that extinguish forest fires.

This plan describes the fire weather services that will be provided by the National Weather Service (NWS) offices in Jackson, Mississippi, Memphis, Tennessee, New Orleans, Louisiana, and Mobile, Alabama to customers in the state of Mississippi.

Due to the continuing changes, this operating plan is a living document, and parts of it may need to be updated. In the event this is necessary, affected agencies will be notified and addendums will be made. Important changes and clarifications of these fire weather services, including both general and specific information, will be listed in this introductory section in the annual update.

Due to the variance of states, terrain, fuels, land management agencies, and personnel, user requirements, and NWS products will vary from office to office. NWS personnel will ascertain and support local customers' requirements and keep customers informed of developments in service and product support.

At each NWS office the fire weather season is largely determined by the user agencies based on precedent weather conditions and climate. A fire season begins at an NWS office when user agencies request either routine service or service for extensive prescribed burning operations or on the date agreed upon during the preseason conference(s). The fire season ends when the requesting agencies indicate NWS forecasts are no longer needed. The primary fire weather season will usually be from October through April with a generally green season May through September..

Criteria for issuance, frequency of issuance, content, format, dissemination, etc for each fire weather product will be reviewed annually.

## **Purpose and General Information**

This Operating Plan serves as the official document governing interaction and relationships between the National Weather Service offices that serve the federal, state, and local land management agencies that rely on weather support in Mississippi relationship between the AOP and Interagency Agreement. This Operating Plan is issued in lieu of a formal Memorandum of Understanding (MOU) between the National Weather Service, USDA Forest Service, Fish and Wildlife Service, NPS, MFC, and other land management agencies that rely on fire weather support. The plan will also outline fire weather forecast operations and services available to customers. This includes products and formats, dissemination, and coordination as well as customer input. The services will consist of fire weather products and support as outlined in the National Agreement for Meteorological Services, which was signed by the Departments of Commerce, Agriculture, and Interior.

**This Operating Plan will be the governing document for fire weather procedures and cooperation among the following agencies:**

- A. USDA Forest Service – Holly Springs Nat’l Forest, Tombigbee Nat’l Forest, Delta Nat’l Forest, Bienville Nat’l Forest, Desoto Nat’l Forest, and Hommochitto Nat’l Forest.**
- B. Mississippi Forestry Commission(MFC)**
- C. U.S. Fish and Wildlife Service**
- D. National Park Service-Natchez Trace Parkway**

## **II Services Area and Organization Directory**

**A. Description of area served:**

This plan serves the state of Mississippi. NWS offices that will offer support are Memphis, Tennessee; Jackson, Mississippi; New Orleans, Louisiana; and Mobile, Alabama.

**B. NWS List of Weather Offices and Points of Contact**

NWS Southern Region, Tx

**For request and information**

Ph: 817-978-1100 ext 116

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FWPL - Fire Weather Program Leader

MIC - Meteorologist in charge

FWPM - Fire Weather Program Manager

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Weather Forecasts and spot forecast requests.....

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Weather Forecasts and spot forecast requests.....

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FAX 601-965-4028

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**NWS OFFICE NEW ORLEANS, LA (NEW)** 62300 Airport Road  
New Orleans, LA 70460-5243

Weather Forecasts and spot forecast requests.....

985-645-0565

FAX 985-649-2907

Tim Destri FWPL [tim.destri@noaa.gov](mailto:tim.destri@noaa.gov)

Kenneth Graham MIC [kenneth.graham@noaa.gov](mailto:kenneth.graham@noaa.gov)



**NWS MOBILE, AL (MOB)**

8400 Airport Blvd Bldg 11.  
Mobile, AL 36608

Weather forecasts and spot forecast requests.....

251-633-6443

FAX

251-607-9773

John Purdy           FWPL

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Jeffrey Medlin       MIC

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**III Services Provided by the National Weather Service:**

A.. Basic fire weather products: Routine

**Fire Weather Forecast:**

The Fire Weather Forecast is designed to provide land management personnel weather input to be used for decision-making related to fire pre-suppression activities and other planning throughout the year. For issuance times see individual weather offices listed below. This product will be updated as needed or whenever a Fire Weather Watch or a Red Flag Warning is issued.

**Distribution:**

This product is distributed to land management and fire weather agencies over the internet.

**Internet sites:**

**NWS Memphis, Tennessee.....**<http://www.weather.gov/meg/fireweather>

**NWS Jackson, Mississippi.....**[http://www.weather.gov/jan/fire\\_weather](http://www.weather.gov/jan/fire_weather)

**NWS New Orleans, Louisiana.....**[http://www.weather.gov/lix/fire\\_wx](http://www.weather.gov/lix/fire_wx)

**NWS Mobile, Alabama.....**<http://www.weather.gov/mob/fire>

**General**

The following elements will be included in the Fire Weather Forecast products issued.

A. Headlines: A headline is used when Red Flag Warnings and/or Fire Weather Watches are in effect. The headline will include the warning type, location, and effective time period. The location will be described in terms of geographic or other easily identified markers, such as cities, towns, rivers, or highways. The headline for a warning and/or watch will also be included in each appropriate zone grouping. Significant trends of locally-defined critical weather elements are headlined for non-watch or non-warning periods.

- B. Discussion: The discussion is a brief, clear, non-technical description of weather patterns that will influence the weather in the forecast area. The emphasis is the first two days of the forecast period. Locally-defined critical weather elements will be included, such as fog development.
- C. UGC FIPS Coding and Geographic descriptors: The FWF format (Z) of the Universal Generic Code (UGC) is used to identify each specific forecast zone within an FWF segment.
- D. Forecast Period: The fire weather forecast product will have a minimum of three 12-hour time periods in the morning forecast, and four 12-hour time periods in the afternoon forecast. At the end of each time period, locally established weather elements are inserted at request of customers. Both issuances will have a general outlook out to seven days. In the general outlook section, a forecast period is a 24-hour block of time, beginning at midnight and ending at midnight the next day.
- E. Sky/Weather/PoP: Sky cover, weather descriptors, and probability of precipitation should follow the same guidelines as those used in the public forecast such as Clear, Partly Cloudy, Cloudy, as examples .
- F. Maximum and Minimum Temperatures and a 24-hour change:: Afternoon temperatures will be based on the maximum value expected. The morning temperature is based on the lowest expected overnight temperature. NWS Jackson and Memphis uses temperature trends for the first two forecast periods.
- G. Maximum and Minimum relative humidity and a 24-hour change:  
Minimum relative humidity is forecast during the daytime and the maximum relative humidity during the nighttime. The range of the RH forecasts is usually 5 percent. NWS Jackson and Memphis uses relative humidity trends for the first two periods.
- H. Wind: The general true direction and speed of the wind for each time period. Maximum gusts, erratic winds, and wind shifts should be mentioned when expected. The description of the wind should be indicated ( i.e., 20-foot level, 10-minute average, etc.). The 16-point compass should be used for the wind direction.
- I. Extended Period Days 3 through 7..  
Elements in the state NWS Offices extended forecast period will be from days 3 to 7. The period may include any or all of the mandatory day short term forecast elements: Significant winds, pops, and rhs, as established by local customers, are included in the 3 to 7 day forecast. NWS offices of Mobile, and New Orleans uses maximum and minimum relative humidity in their extended forecast. The Memphis office uses minimum humidity in their 3 to 7 day extended forecast.
- J. Optional Elements: These are dependent on local user requirements. Examples of user requested optional elements include; transport winds, mixing heights, lal, category day, 500 m mixing height temp, 500 m transport wind, 500m mixing height, dispersion index, maximum lvari, stagnation index, lasi, vent index, vent rate, min vsby early/late, fog potential, and stability.

## **NWS Office Specific**

### **NWS Memphis, Tennessee:**

*Fire Weather Forecast (product identifier MEMFWFMEG; WMO Header FNUS54 KMEG):*

Fire weather forecasts from the Memphis NWS office are issued twice a day, early in the morning and the latter in the afternoon by 4 pm. In addition to the required forecast parameters and information on any fire weather watches and red flag

warnings in effect, the routine fire weather forecast offers additional parameters, including sky cover, precipitation(duration, amount, timing), average max/min air temperature and 24 hour trends, average maximum relative humidity, and 24 hour

trends, average wind direction and range of AM/PM wind speed at 20 feet, mixing heights(ft and m)(agl and msl), transport wind direction and speed (m/s and mph), ventilation index (m<sup>2</sup>/s), category day, 500 meter mixing height temperature, 500 meter transport wind direction and speed (m/s and mph), dispersion index, lightning activity level(LAL), lower atmospheric stability index(LASI), arkansas stability index, extended forecast for days 3 to 7, and Mississippi stagnation index. Additional parameters will be added as needed. Example see **Appendix VI**.

**Forecasts will be updated when changes in the meteorological conditions do not reflect the forecast.**

### **NWS Jackson, Mississippi:**

*Fire Weather Forecast (product identifier JANFWFJAN; WMO Header FNUS54 KJAN):* Fire weather forecasts from the Jackson NWS office will be issued twice a day. The first issuance will be early in the morning by 8 am and the latter in the afternoon by 4 pm, with updates issued as needed. In addition to the required forecast parameters and information on any fire weather watches and red flag warnings in effect, the routine fire weather forecast offers additional parameters, including cloud cover, precipitation (amount, timing, and duration), average max/min air temperature and humidity with 24 hour trends, average wind direction and range of AM/PM wind speed at 20 feet, wind shifts, mixing height, and transport winds in both english and meters, surface inversion lifting temp(silt/500 mlt), stagnation index, category day, vent index, maximum vlori, and dispersion index. Additional parameters will be added as needed. Example see **Appendix VI**.

**This product is updated for the following reasons.**

1. Changes in the stagnation index.
2. Sudden increases or decreases in moisture over the region...especially during very dry high fire danger conditions.
3. During very dry periods when heavy rains are on the horizon. The update will entail changing rainfall duration and adding the rainfall amounts.
4. If a strong cold front approaches the area with gusty winds that will affect transport winds and mixing heights.

If the Fire Weather Forecast issued by NWS Jackson, MS, has not been received by 8:15 a.m., then the forecast will be faxed to the Mississippi Interagency Coordination Center in Pearl, Mississippi. Contact phone 601-420-6005, fax 601-420-6003. This forecast will then be forwarded to the appropriate forestry agencies.

## NWS Mobile, Alabama:

*Fire Weather Forecast (product identifier BHMFWFMOB; WMO Header FNUS54 KMOB):* Fire Weather Planning Forecasts from the Mobile NWS office are issued twice a day. The first issuance is in the morning by 5:30 am and the latter is in the afternoon by 2:30 pm. In addition to the required forecast parameters and information on any fire weather watches and red flag warnings in effect, the routine Fire Weather Planning Forecast offers additional parameters, including cloud cover, average max/min air temperature, average humidity, precipitation( amount,timing and duration), mixing heights (feet/meters AGL), mean transport wind speed (mph, m/s) and direction in the mixing layer, dispersion index, stagnation index, stability class, maximum Ivori, and lal (lightning activity level). Additional parameters will be added as needed. Example see **Appendix VI**.

**Forecasts will be updated when changes in the meteorological conditions do not reflect the forecast.**

## NWS New Orleans, Louisiana:

*Fire Weather Forecast (product identifier NEWFWFLIX; WMO Header FNUS54 KNEW):* Fire weather forecasts from the New Orleans NWS office are issued twice a day, early in the morning by 5 am and the latter in the afternoon by 4 pm. In addition to the required forecast parameters and information on any fire weather watches and red flag warnings in effect, the routine fire weather forecast offers additional parameters,including average max/min temperatures, cloud cover, precip (amounts,chances,duration) type,min/max humidity,mixing heights (meters AGL/MSL), transport windspeed (meters/second), and direction in the mixing layer, ventilation index, surface inversion lifting temperatures(SILT/500 MLT), stagnation index, stability class, category day, and dispersion index.. Additional parameters will be added as needed. Example see **Appendix VI**.

**Forecasts will be updated when changes in the meteorological conditions do not reflect the forecast.**

## IV NFDRS Forecasts:

This product measures wildfire danger at RAW Sites. NFDRS observations are taken once per day. NFDRS forecasts are not intended to be site specific...but an overview of the general fire danger. Effective fire suppression planning depends heavily on NFDRS because it is an objective tool for predicting the difficulty of

suppression of a wild fire. The NWS role in NFDRS is forecasting weather input which, combined with customer input, allows NFDRS

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software to predict the next day's fire danger indices. Daily weather observations entered into NFDRS by the fire agencies form the basis of the forecast input by the NWS. Each NFDRS site is located at a spot which is representative of the terrain and fuel types dominant in that area.

### Format for NFDRS forecast...

FCST,226102,030516,13,2,83,65,1,3,S,11,M,83,68,100,65,0,0,N

1. FCST...Forecast Point
2. 226102...NFDRS Station ID(22...State 61...County 02 Station ID)
3. 030516...Tomorrow's Forecast Date
4. 13...Local LST for Tomorrow's Forecast (always 1300)
5. 2...Weather valid at 1300 LST Tomorrow...0 (clear) 1 (scattered clouds) 2 (broken clouds) 3 (overcast clouds) 4 foggy 5 (drizzle) 6 (raining) 7 (snowing) 8 (showers at or near Station) 9 (thunderstorms)
6. 83...Current Temp at 1300
7. 65...Current Relative Humidity at 1300
8. 1...LAL1 Lightning Activity Level from 1400 to 2300 LST
9. 3...LAL2 Lightning Activity Level from 2300 to 2300 LST (1 none...2 isolated...3 few...4 scattered...5 numerous...6 which is high based storms out west)...which we will not deal with in the south.)
10. S,11...Wind...Windspeed valid at 1300 LST
11. M...Missing 10 hr Time lag fuel moisture(always missing)
12. 83...Maximum Temperature for Tomorrow
13. 68...Minimum Temperature for Tomorrow
14. 100...Maximum Humidity for Tomorrow
15. 65...Minimum Humidity for Tomorrow
16. 0...Precipitation Average Duration from 1400 to 0500 LST
17. 0...Precipitation Average Duration from 2300 to 2300 LST
18. N...Y or N...This indicates whether liquid water will be on the fuels at 1300 LST.

Use with CAUTION- a Y will reset all the indices to zero. We will keep the value at N in our product for all stations.

## NWS Office Specific

### NWS Memphis

*Fire Weather Forecast (product identifier MEMFWMMEG; WMO Header FNUS84 KMEG):*

NFDRS forecasts from the Memphis NWS office are issued once a day, in the afternoon by 4 pm.

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NWS Memphis has the following sites in their NFDRS forecast.

- A. Winborn Station in Marshall County - NFDRS Site: 220202
- B. Monroe Station in Monroe County - NFDRS Site: 222401
- C. Tishomingo Station in Tishomingo County - NFDRS Site: 220601
- D. Yallabusha Station in Yalobusha County - NFDRS Site: 222101
- E. Highway 41 Station in Pontotoc County - NFDRS Site: 221502
- F. Tupelo Station in Lee County - NFDRS Site: 221602

Example see **Appendix VII**.

**Forecasts will be updated when changes in the meteorological conditions do not reflect the forecast.**

## NWS Jackson

*Fire Weather Forecast (product identifier JANFWMJAN; WMO Header FNUS84 KJAN):*

NFDRS forecasts from the Jackson NWS office are issued once a day, in the afternoon by 4 pm.

**NWS Jackson has the following sites in their NFDRS forecast.**

- A. Bude Station in Franklin County - NFDRS Site: 226102
- B. Copiah Station in Copiah County - NFDRS Site: 225502
- C. Delta Station in Sharkey County - NFDRS Site: 223301
- D. Marion Station in Marion County - NFDRS Site: 227202
- E. Bienville Station in Scott County - NFDRS Site: 225101
- F. Noxubee NWR Station in Noxubee County - NFDRS Site: 224101
- G. Covington Station in Covington County - NFDRS Site: 226501
- H. Holmes Station in Holmes County - NFDRS Site: 223501
- I. Lauderdale Station in Lauderdale County - NFDRS Site: 225301
- J. Neshoba Station in Neshoba County - NFDRS Site: 224601
- K. Ragland Hills Station in Forrest County - NFDRS Site: 227401
- L. Tombigbee Station in Choctaw County - NFDRS Site: 223701

Example see **Appendix VII**.

**Forecasts will be updated when changes in the meteorological conditions do not reflect the forecast.**

## NWS New Orleans

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*Fire Weather Forecast (product identifier NEWFWMSIL; WMO Header FNUS84 KLIX):*

NFDRS forecasts from the New Orleans NWS office are issued once a day, in the afternoon by 4 pm.

**NWS New Orleans has the following sites in their NFDRS forecast.**

- A. Hancock Station in Hancock County - NFDRS Site: 228002
- B. Sandhill Crane Station in Jackson County - NFDRS Site: 228202
- C. Grandbay Station in Jackson County - NFDRS Site: 228204
- D. Camp Keller Station in Harrison County - NFDRS Site: 228290
- E. Pike County Station in Pike County - NFDRS Site: 227001

Example see **Appendix VI**.

**Forecasts will be updated when changes in the meteorological conditions do not reflect the forecast.**

## NWS Mobile

*Fire Weather Forecast (product identifier BHMFWMMOB; WMO Header FNUS84 KMOB):*

NFDRS forecasts from the Mobile NWS office are issued once a day, in the afternoon by 4 pm.

**NWS Mobile has the following sites in their NFDRS forecast.**

- A. Wausau Station in Wayne County - NFDRS Site: 226702
- B. Black Creek Station in Stone County - NFDRS Site: 227802
- C. Greene Station in Greene County - NFDRS Site: 227601

Example see **Appendix VI**.

**Forecasts will be updated when changes in the meteorological conditions do not reflect the forecast.**

## **V. Zone Fire Weather Matrix Forecasts:**

### **NWS Office Specific**

## NWS Memphis

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*Fire Weather Matrix Forecast (product identifier MEMPFWMEG; WMO Header FNUS54 KMEG):*

NFDRS forecasts from the Memphis NWS office are issued twice a day, early in the morning by 8 am and in the afternoon by 4 pm. The product gives three hourly forecast for the following items through 60 hours for following NFDRS locations

In North Mississippi: Winborn in Marshall County; Tishomingo in Tishomingo County; Yalobusha in Yalobusha County; Tupelo in Lee County; and Highway 41 Pontotoc in Pontotoc County.

## NWS Jackson

*Fire Weather Matrix Forecast (product identifier JANAFWJAN; WMO Header FNUS54 KJAN):*

Matrix forecasts from the Jackson NWS office are issued twice a day, early in the morning by 8 am and in the afternoon by 4 pm. The product gives two hourly forecast for the following items through 36 hours for all over our Central Mississippi Counties.:

The Central Mississippi counties covered by WFO JAN Fire Matrix Forecast include:

Adams, Attala, Bolivar, Carroll, Choctaw, Claiborne, Clay, Copiah, Covington, Franklin, Forrest Grenada, Hinds, Holmes, Humphreys, Issaquena, Jasper, Jefferson, Jefferson Davis Jones, Kemper, Lamar, Lauderdale, Lawrence, Leake, Leflore, Lowndes, Madison, Marion, Neshoba, Newton, Oktibbeha, Rankin, Scott, Simpson, Sharkey, Sunflower, Warren, Washington, Webster, and Winston. The product has the following parameters: the routine fire matrix forecast offers additional parameters, including precipitation amount, precipitation timing and duration, mixing height and transport winds in both english and meters, with expanded parameters of vlri maximum and fwdi (fire weather danger index). Fire Weather Danger Index (fwdi) goes from 1 low to 5 extreme. It is the potential for fire starts and the amount of suppression required. Example see **Appendix VIII**.

## NWS New Orleans

*Fire Weather Matrix Forecast (product identifier MEMPFWMEG; WMO Header FNUS54 KMEG):*

Point Fire Matrix forecasts from the New Orleans NWS office are issued at the office discretion.

The product gives three hourly forecast for the following items through 60 hours for following NFDRS locations

In South Mississippi: Camp Keller in Northern Harrison County; Hancock in North Hancock County; Sandhill in South Central Jackson County; Grand Bay in southeast Jackson County; Pike in Northern Pike County; and Vancleave in North Jackson County.

## VI. Spot Forecasts:



Spot forecasts are site-specific forecasts for wildfires, prescribed burns, search and rescue operations, aerial spraying, etc. By being site-specific, these forecasts take into account the effects of topography, vegetation and any nearby bodies of water. The specific contents, issuance frequency, means of communication, and other details of issuance will be determined

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by the local customers and NWS personnel at the time of the user's initial request for Spot Service. The general policy of providing Spot forecasts is established by the local NWS offices and local customers.

Spot forecasts will include specific weather information taking into account the various factors in the incident area, including sky condition, precipitation, and thunderstorm probability, specific maximum and minimum temperature and humidity, and wind speed and direction for the specific area.

Spot forecasts will be issued on request to any government or private agency for a wildfire. Requests for spot forecasts for non-wildfire purposes will only be honored from federal agencies, from non-federal agencies operating with a federal agency on an interagency agreement or from any non-federal government agency when public safety is at risk. Spot forecasts will typically cover three 12-hour periods (Today...Tonight and Tomorrow) with 1-2 hour intervals in the first period...which could extend into the 2nd period. Any forecast beyond day two will typically be an outlook.

### **Contents and General Information on Spot Forecast**

A Spot Forecast will be headlined for a Red Flag Warning or Fire Weather Watch if one is in effect. The forecast will begin with a meteorological discussion, and will include any of the following information as designated by the requesting customer: temperature, relative humidity, wind direction speed and gust (20ft, 2min), cloud cover, weather phenomena, probability/type of precipitation, mixing height(ft/m), and transport wind (mph or m/s). Additional elements may be requested by the customer such as category day, top and bottom of mixing layer height, dewpoint, Ivori, stability class and dispersion.

Spot forecasts are available upon request at any time of day, week or season. Consultation service is also available for planning projects for which weather might be a factor. Requests for spot forecasts shall be serviced by at least one trained meteorologist. These requests will be completed as soon as possible and should typically take around 30 minutes or less. However, protection agencies should be aware that other duties (such as severe weather) may take higher priority, and short delays may occur. User agencies should submit spot forecast requests by phone or fax to a NWS office. If excessive delays are encountered, please notify the appropriate NWS office. **If the spot forecast is to support a wildfire, please inform the forecaster, or annotate the spot request form accordingly.**

NOTE: please call the respective NWS Offices before sending a request by fax or internet.

In situations when the internet is down, requesting agencies are encouraged to submit requests by faxing the completed Special Forecast Request Form D-1. Blank copies of WS Form D-1 may be obtained from any NWS office. Emergency

requests may be submitted and fulfilled using the most efficient means possible. When listing the location, requests should contain both latitude/longitude coordinates and a local reference.

## **Procedure of Requesting a Spot Forecast**

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The requesting customer should go to the local NWS office internet home page, seek the fire weather web page, then select the procedure for requesting a spot forecast. The spot forecast request page is standardized, and prompts the customer for information about the location, elevation, and size of the fire as well as for observations and contact phone numbers. The location of the fire will then appear on a topographic map image, allowing both the requesting customer and the NWS forecaster to see its location. The customer may customize their request by highlighting which elements they need, and for which forecast periods. A remarks section allows the customer to ask for additional elements or time periods. In case of an internet outage, the customer may fax in a request, using form D-1. Customers are reminded to provide as fresh an observation as possible. The spot forecast will usually be issued within the hour of a request, depending on current

weather and volume of spot forecasts. The completed spot forecast will be sent over the internet, and will be available on the same web site used to request the forecast.

### **Criteria for Updating Spot Forecast:**

1. A sudden, significant **wind shift**: any sustained wind of 10 knots or more, or frequent gusts of 20 knots or more, that shifts direction 40 degrees or more for a continuous duration of ½ hour or more.
2. Development of showers and thunderstorms not forecasted.
3. When minimum humidity drops below 30 percent not forecasted.

Note: **Spot forecasts should not be used as general planning tools** for the following day. "Planning" type forecast information should be obtained from the routine fire weather forecast and can be augmented by direct phone consultation with a forecaster on duty at the appropriate NWS office. Spot forecasts are intended to support ongoing or imminent wildfire or federal prescribed burn activity only.

Examples for each office see **Appendix VI**.

## VII. Hazardous Weather Outlook

In times when wildfire activity or potential fire danger from dry conditions is expected to threaten lives or property , NWS offices are encouraged to issue Special Weather Statements under the heading of Hazardous Weather Outlook. The decision of when to issue this product is left to the discretion of each forecaster as well local NWS office policies.

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### NWS Jackson, Mississippi:

*The Hazardous Weather Outlook (product identifier JANHWOJAN; WMO Header FLUS44 KJAN):* are issued several times a day.

WFO Jackson uses a four level color coded system for showing potential threat of fire danger due to prolong dry conditions...esp with a Fire Weather Watch or Red Flag Warning in effect. The wording below can be adjusted to any particular fire weather conditions.

**A. Extreme**.....Conditions well in excess of Red Flag Warning criteria with strong wind gusts greater than 40 mph. Fires will spread quickly and wildfires are common. Fire control is very difficult, even for experience firefighters.

**B. High**.....Conditions meet minimum Red Flag Warnings criteria. Open burning should not be attempted as fires can quickly escape and become very difficult to control, even for experience firefighters.

**C. Elevated**....Any open burning is discouraged due to increased wind and lower humidity, and recent dry conditions, except by experience fire personnel. Fires escape more easily and containment is difficult for inexperienced fire personnel.

**D. Limited**...Extra caution is advised for open burning due to increased wind and lower humidity. Burning without proper containers should not be attempted by inexperienced fire personnel.

**Forecast is updated when changes in the dry fire weather or meteorological conditions do not reflect the forecast.**

### NWS New Orleans, Louisiana:

*The Hazardous Weather Outlook (product identifier NEHWOLIX; WMO Header FLUS44 KLIX):* are issued several times a day. WFO New Orleans does not have a standardized system of adding fire danger threats in this product, however, very low humidity (<25%), especially when combined with winds over 15 mph are highlighted.

**Forecast is updated when changes in the dry fire weather or meteorological conditions do not reflect the forecast.**

NWS Mobile, Alabama:

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*The Hazardous Weather Outlook (product identifier BHMHWOMOB; WMO Header FLUS44 KMOB):* The WFO Mobile Hazardous Weather Outlook (HWO) is issued routinely once a day between 5:00 and 6:00 am. The HWO will be updated when the information contained within become unrepresentative of expected conditions. WFO Mobile does not have specific thresholds of adding fire danger threats in this product, but we will discuss fire weather hazards such as extremely dry conditions and/or strong gusty winds. WFO Mobile may mention active Fire Weather Watches and Red Flag Warnings, and may include SPC Fire Weather Outlook (Days 1 and 2) information in the HWO.

**Forecast is updated when changes in the dry fire weather or meteorological conditions do not reflect the forecast.**

## **VIII. Red Flag Program:**

The purpose of the Fire Weather Watch and Red Flag Warning is to alert the public and land management agencies of developing weather conditions that, when combined with critically dry wildland fuels, could lead to dangerous wildfires.

**Fire Weather Watch for Red Flag conditions.** A fire weather watch is issued beyond the first forecast period (12 hours). The watch is issued generally 12 to 48 hours in advance of the expected conditions but can be issued up to 72 hours. When a watch is issued, the fire weather forecast will be updated, and the term *FIRE WEATHER WATCH* will be headlined. The watch will remain in effect until it expires, is canceled, or upgraded to a red flag warning. The Area Forecast Discussion will also be updated.

**Red Flag Warning.** A red flag warning is issued when there is high confidence that red flag criteria will occur within the next 12 hours, or if those criteria have already been met. This product will be issued only after consultation with state and federal agencies. When a warning is issued, the fire weather forecast will be updated, and the term *RED FLAG WARNING* will be headlined. A cancellation statement (or headlines in the FWF) should terminate the warning. The Area Forecast Discussion will also be updated.

**Format Guidelines:** A FIRE WEATHER WATCH OR RED FLAG WARNING headline shall be placed in appropriate fire weather products. Also, the headline should be placed in the pertinent zone section of the Fire Weather Forecast until the watch/warning expires or is canceled. The headline shall include the warning type, location, and effective period. The location should be described in terms of geographic or other easily identified markers, such as cities, towns, rivers, or highways (i.e., instead of stating "RED FLAG WARNING FOR ZONE 475 TONIGHT," it should read something like "RED FLAG WARNING TONIGHT FOR WEST CENTRAL MISSISSIPPI").

**Contents:** The RFW will include the following elements:

a. The RFW message should state in the Mass Media Header whether the product is for a Red Flag Warning or Fire Weather Watch.

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b. The effective UGC Public Zone Codes and the product expiration.

c. A headline which states "Fire Weather Watch" or "Red Flag Warning," the critical weather element(s) causing the event, the effective time of the event, and a description of the affected area.

d. The fire weather zones, if different from public zone number and/or area.

e. A discussion which describes adverse weather conditions.

f. Optional: Call to action statements from Federal or State Fire Agencies..

For an example see **Appendix V** for local weather offices issuances to parishes.

### **Dissemination:**

#### **A. General**

The latest Red Flag Warnings/Fire Weather Watch can be found at the following **Internet at the sites listed below:**

WFO Memphis:

<http://forecast.weather.gov/product.php?site=MEG&product=RFW&issuedby=MEG&product=RFW&format=CI&version=1&glossary=0>

WFO Jackson:

<http://forecast.weather.gov/product.php?site=JAN&product=RFW&issuedby=JAN&product=RFW&format=CI&version=1&glossary=0>

WFO New Orleans:

<http://forecast.weather.gov/product.php?site=NEW&product=RFW&issuedby=NEW&product=RFW&format=CI&version=1&glossary=0>

WFO Mobile

<http://forecast.weather.gov/product.php?site=NEW&product=RFW&issuedby=MOB&product=RFW&format=CI&version=1&glossary=0>

Red Flag event is defined as a combination of high (or greater) fire danger and critical weather elements.

### **Criteria for Red Flag Events in Mississippi:**

The following criteria must be met in combination with an extended period of dry conditions:

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- 1.) Relative Humidity less than or equal to 25%
- 2.) 20 foot wind speed of greater or equal to 15 mph

These conditions can be prompted by a strong dry cold front with windy conditions. Fire Danger will be assessed by the land management agencies, and will be obtained from them by the National Weather Service. If Red Flag criteria are occurring or expected within 12 hours, a Red Flag Warning will be issued, and will remain in effect until the conditions abate or are no longer expected. If Red Flag criteria are expected within 24 to 72 hours, a Fire Weather Watch will be issued, and will remain in effect until the watch is upgraded to a Red Flag Warning, or conditions are no longer expected to develop.

### **Procedures**

Whenever the meteorological criteria for a Red Flag event are occurring or expected to occur within 72 hours, the NWS office will contact the land management agencies to obtain a determination of fire danger. It is important to coordinate with the land management agencies both state and federal. If the combined fire danger rating and meteorological criteria warrant a Red Flag product, the NWS and land management agencies will reach a consensus on whether to issue the product as well as for which areas at which times.

### **Fire Danger Statements**

When fire danger or fire occurrence is high and is coupled with critical weather conditions, user agencies may request that the NWS issue a Fire Danger Statement. These statements will be used in coordination with the requesting agency and will only be issued with their approval. The NWS will use the (SPS) format for these issuances. Call to action statements for the public will be from Federal or State Fire Agencies.

Examples see **Appendix VI**.

### **Participation in Interagency Groups**

The NWS and its customers will meet from time to time, for the purpose of reviewing the operational relationships agreed to in this plan, and as partners in other interagency meetings. Meetings may be between one NWS office and all of its customers from its CWA in Mississippi or a state meeting of all NWS offices and fire weather customers within Mississippi, or a meeting conducted by a customer group with the NWS offices invited either individually or collectively. Customers may at times invite NWS representation to serve on an interagency group at either the state or national level. These groups may serve a variety of purposes, such as program review, service evaluation, scientific advisory, or joint decision making.

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shall assign a station identifying number for fire weather observation platforms. The land management agency will provide the station name, location (county , lat/long) and elevation to the GACC meteorologist. The GACC meteorologist will assign

the number and assist the station owner in establishing a station catalog in WIMS. The numbering convention uses a six digit number, starting with 22 (for MS). The following two digit number designates the county, and the counties are numbered from 01 in the northwest to 82 in the southeast. The last two digits will correspond to the number of sites in the county. The GACC meteorologist is responsible for maintaining a database of RAWS stations in his area. This information can be provided to the NWS regional program manager upon request.

### **IX. Effective Date Mississippi Annual Operating Plan:**

The effective dates of the Mississippi Annual Operating Plan will be determine when the area office comes into the an agreement on the plan. This plan will be subject to review and revision by all signatory parties each year, or more frequently as operations warrant. The plan will be available on the fire weather homepage in MS. A copy will be forwarded to NWS Southern Region Headquarters. NWS Southern Region will forward a copy to NIFC and NWS Headquarters. Terms and conditions in this plan are subject to review by the National Weather Service and the land management agency customers on at least an annual basis, or more frequently as operations require.

### **X Weather Forecast Offices County Responsibility**

Each National Weather Forecast Office providing service in the state of Mississippi is staffed with meteorologists trained in fire weather forecasting. This section will discuss the varieties of services provided by each NWS Office and the geographical areas for which NWS offices are responsible. The service area covered by this AOP is the entire state of Mississippi. Forecast areas are tied to the “radar umbrella” of the WSR-88D of the WSR-88D Doppler Radar. This means

that forecasts are not bound by state political borders, although county borders are generally observed. For a map of the fire zones in Mississippi, see the appendix.

**The Memphis (MEG) forecast area covers North Mississippi.**

The northern Mississippi counties covered by NWS MEG (Memphis, TN) include:

Alcorn, Benton, Calhoun, Chickasaw, Coahoma, DeSoto, Itawamba, Lafayette, Lee, Marshall, Monroe, Panola, Pontotoc, Prentiss, Quitman, Tallahatchie, Tate, Tippah, Tishomingo, Tunica, Union, and Yalobusha.

**The Jackson (JAN) forecast area covers Central Mississippi.**

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The central Mississippi counties covered by NWS JAN (Jackson, MS) include:

Adams, Attala, Bolivar, Carroll, Choctaw, Claiborne, Clay, Copiah, Covington, Franklin, Forrest, Grenada, Hinds, Holmes, Humphreys, Issaquena, Jasper, Jefferson, Jefferson Davis, Jones, Kemper, Lamar, Lauderdale, Lawrence, Leake, Leflore, Lowndes, Madison, Marion, Neshoba, Newton, Oktibbeha, Rankin, Scott, Simpson, Sharkey, Sunflower, Warren, Washington, Webster, and Winston.

**The New Orleans (LIX) forecast area covers Southwest and Coastal Mississippi.**

The southern Mississippi counties covered by NWS LIX (New Orleans, LA) include: Amite, Hancock, Harrison, Jackson, Pearl River, Pike, Walthall, and Wilkinson.

**The Mobile (MOB) forecast area covers Southeast Mississippi.**

The Southeast Mississippi counties covered by NWS MOB (Mobile, AL)

Include: George, Greene, Perry, Stone, and Wayne.

## **NWS Levels of Fire Weather Responsibilities**

### **National Weather Service Headquarters**

NWS Headquarters, located in Silver Spring, Maryland establishes policies and coordinates the national fire weather program. The national program manager coordinates the program with the regional program managers. The national program manager also works with the national headquarters of the Federal forestry and land management agencies and



the Association of State Foresters in determining over all forestry and land management requirements for meteorological support. The national program manager coordinates national training in forestry and fire weather for NWS forecasters.

### **National Weather Service Regional Headquarters**

Regional Headquarters manage the technical operational aspects of the fire weather program within each region. They also provide guidance and assistance to meteorologists-in-charge(MIC) on program operations and problems through supplements to the National Directives System (NDS) and conferences. Regional Headquarters advise National Headquarters on matters pertaining to technical planning and operations. The regional program managers coordinate the regions fire weather programs and advise Regional Directors on the operational and administrative aspects of the regions programs.

### **Weather Forecast Offices (WFO)**

Weather Forecast Offices prepare and disseminate forecast products for all sectors of the population, including those for the Fire Weather program. These offices are responsible for providing forecasts for user agencies within their County Warning

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and Forecast Area (CWFA). Most offices have a designated fire weather focal point or fire weather program leader. The National Weather Service Forecast Offices serving Mississippi will provide 24-hour, 365 days a year service. WFOs can be reached at:

#### **National Weather Service**

**Memphis, TN**

**7777 Walnut Grove Rd. OM-1**

**Memphis, TN 38120**

**(901) 544-0399**

#### **National Weather Service**

**Jackson, MS**

**234 Weather Service Drive**

**Flowood, MS 39232**

**(601) 936-2189**

#### **National Weather Service**

**New Orleans, LA**

**62300 Airport Rd**

**Slidell, LA 70460-5243**

**(504)522-7330**

**National Weather Service**  
**Mobile, AL**  
**8400 Airport Blvd Bldg 11**  
**Mobile, AL 36608**  
**(251)-633-6443**

### **Program Leaders (or Focal Points)**

Fire weather focal points and program leaders are the “customer service representatives” for the program. The focal points or program leaders, as representatives of the MIC’s, are in regular contact with land management agencies, helping them assess their meteorological needs, informing them of NWS products and services available to meet these needs, and educating them in the most effective use of the various products and resources, including NOAA Weather Radio(NWR). Focal points and program leaders will work with users to utilize existing NWS products and services produced for other programs that could meet the requirements of wildland management. The focal points and program leaders are also tasked with ensuring staff meteorologists are trained and remain proficient in preparing forecast products for support of the fire weather program.

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## ***Appendix I***

### ***Fire Weather Definitions for NWS Products***

#### **Fire Weather Forecast (FWF) Parameter Definitions**

- 1. CLOUD COVER:** Represents the average sky condition over the specified area during the specified period. “Sunny” or “Clear” <10%...”Mostly Sunny” or “Mostly Clear” > or = 10% and <30%...”Partly Cloudy” or “Partly Sunny” >or = 30% and < 60%...”Mostly Cloudy” > or = 60% and <80 %...”Cloudy” > or = 80%.
- 2. CHANCE PRECIP:** Represents the chance (rounded to the nearest 10%) of measurable (> or = 0.01 inches) precipitation over the specified area during the specified period.
- 3. PRECIP TYPE:** Represents the predominant precipitation type over the specified area during the specified period. Note: The only exception is when showers and thunderstorms are expected, only thunderstorms will be used as the precipitation type.
- 4. PRECIP(RAIN) AMOUNT:** Represents the precipitation amount (hundredths of an inch) whenever the chance of precipitation is > or = 20%.
- 5. PRECIP(RAIN) DURATION:** Represents the duration of measurable precipitation (hours)

when the chance of precipitation is  $>$  or  $=$  20%.

6. **PRECIP BEGINS OR ENDS:** Represents the beginning or end time (to the nearest hour) of measurable precipitation when the chance of precipitation is  $>$  or  $=$  20%.
7. **MIXING HGT:** Represents the mixing height, or height (in feet or meters above the ground) to which vigorous vertical mixing takes place.
8. **500 METER or 1700 FEET MXG HGT TEMP:** Mixing height temperature at 500 meters or 1700 feet.
9. **500 METER or 1700 FEET TRANSPORT WND:** Represents the transport wind or average wind direction or speed (M/S or MPH) from the surface to 500 meters or 1700 feet.

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10. **Morning Mixing Height:** Maximum mixing height in the morning in meters.
11. **TRANSPORT WND:** Represents the transport wind, or the average wind direction or speed (M/S or MPH) from the surface to the top of the mixed layer(mixing height).
12. **STAGNATION INDEX:** The stagnation index is a number from 0 to 3 computed from the forecast variables that are produced by a complex model. Used by Mississippi fire managers , who are cognizant of the need to occasionally restrict open burning in order to reduce atmospheric contaminants.
13. **STABILITY CLASS:** It is used in smoke management forecasts based on wind, solar radiation, and cloud cover. It is used by Arkansas and Louisiana fire managers. A. extremely unstable, B...unstable, C...slightly unstable, D...neutral, E...slightly stable and F stable.
14. **MAX/MIN Temp:** Represents the expected maximum and minimum temperatures over the specified area during the day and night. MAX/MIN RH: Represents the expected maximum (during the nighttime period) and minimum (during the daytime period) relative humidity (%) over the specified area. Trends of both features for the past 24 hours.
15. **20 Foot AM/PM Winds:** Represents the 10-minute average wind speed (MPH) and direction above the ground or vegetative cover that occurs either AM or PM.
16. **VENT INDEX/VENT RATE:** It is the product of the Transport Winds and Mixing Heights...which

can be metric or in english units. The higher the Vent Index the better the dispersion.

17. **CATEGORY DAY:** Dependent on the vent index...1 (poor dispersion) to 5 (good).
18. **DISPERSION INDEX:** Computed from forecasts variables and that include 20 ft wind speed, mixing height, transport wind and cloud cover. This will help to determine how well smoke will disperse. Values from 1 (poor) to >100 (excellent).
19. **LOW VISIBILITY OCCURRENCE RISK INDEX (MAXIMUM LVORI):** an index (1-10) that is computed from relative humidity and the dispersion index. High values suggest that fog could mix with smoke resulting in extremely low visibility.
20. **EXTENDED FORECAST:** a 3 to 7 day forecast, including highs and lows, and rain chances. Use wind expression if windy conditions are expected.

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21. **UPDATING the Fire Weather Planning Forecast:**  
The Fire Weather Forecaster will maintain a weather watch to ensure that the forecast remains accurate. When unexpected changes occur or are forecast to occur which significantly deviate from the previous forecast, the forecast may be updated.
22. **MIN/MAX Relative Humidity:** Minimum and maximum humidity values for the days one through two. Maximum/Minimum humidity for days 3 through 7.
23. **DISCUSSION:** A short term discussion on the meteorological effects on fire agency operations...esp with fog, precip, and minimum rh potential. Some discussion areas will have a Red Flag tag above it.
24. **LIGHTENING ACTIVITY LEVEL(LAL):** It is a measure of the amount of lightning activity using values 1 to 6.
25. **REMARKS:** Any significant conditions that will affect the fire weather zone...which may include any fog potential..

## ***Appendix II***

### **Catalogue of Fire Weather Observation Sites. North Mississippi**

**NWS Memphis has the following sites in their NFDRS forecast.**

- A. Winborn Station in Marshall County - NFDRS Site: 220202

- B. Monroe Station in Monroe County - NFDRS Site: 222401
- C. Tishomingo Station in Tishomingo County - NFDRS Site: 220601
- D. Yallobusha Station in Yalobusha County - NFDRS Site: 222101
- E. Highway 41 Station in Pontotoc County - NFDRS Site: 221502
- F. Tupelo Station in Lee County - NFDRS Site: 221602

## **Central Mississippi**

### **NWS Jackson has the following sites in their NFDRS forecast.**

- A. Bude Station in Franklin County - NFDRS Site: 226102
- B. Copiah Station in Copiah County - NFDRS Site: 225502
- C. Delta Station in Sharkey County - NFDRS Site: 223301
- D. Marion Station in Marion County - NFDRS Site: 227202
- E. Bienville Station in Scott County - NFDRS Site: 225101
- F. Noxubee NWR Station in Noxubee County - NFDRS Site: 224101
- G. Covington Station in Covington County - NFDRS Site: 226501

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- H. Holmes Station in Holmes County - NFDRS Site: 223501
- I. Lauderdale Station in Lauderdale County - NFDRS Site: 225301
- J. Neshoba Station in Neshoba County - NFDRS Site: 224601
- K. Ragland Hills Station in Forrest County - NFDRS Site: 227401
- L. Tombigbee Station in Choctaw County - NFDRS Site: 223701

## **South Mississippi**

### **NWS New Orleans has the following sites in their NFDRS forecast.**

- A. Hancock Station in Hancock County - NFDRS Site: 228002
- B. Sandhill Crane Station in Jackson County - NFDRS Site: 228202
- C. Grandbay Station in Jackson County - NFDRS Site: 228204
- D. Camp Keller Station in Harrison County - NFDRS Site: 228290
- D. Pike County Station in Pike County - NFDRS Site: 227001

### **NWS Mobile has the following sites in their NFDRS forecast.**

- A. Wausau Station in Wayne County - NFDRS Site: 226702
- B. Black Creek Station in Stone County - NFDRS Site: 227802
- C. Greene Station in Greene County - NFDRS Site: 227601

## **Appendix III**

**Examples:  
Red Flag Warnings/Fire Weather Watch**

**WFO Specific**

NWS Memphis, Tennessee:

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URGENT - FIRE WEATHER MESSAGE

NATIONAL WEATHER SERVICE MEMPHIS TN

713 PM CDT SAT OCT 8 2016

...RED FLAG CONDITIONS POSSIBLE ACROSS SOUTHERN PORTIONS OF THE  
MIDSOUTH ON SUNDAY.

...THE COMBINATION OF LOW RELATIVE HUMIDITIES...GUSTY WINDS...AND  
CONTINUED LOW FUEL MOISTURE WILL RESULT IN THE POTENTIAL FOR  
CRITICAL RED FLAG FIRE WEATHER CONDITIONS ACROSS A LARGE PORTION OF  
NORTH MISSISSIPPI ON SUNDAY.

MSZ002>006-008-009-011>017-020>024-091200-

/O.EXP.KMEG.FW.W.0001.000000T0000Z-161009T0000Z/

/O.CON.KMEG.FW.A.0002.161009T1500Z-161010T0000Z/

MARSHALL-BENTON MS-TIPPAH-ALCORN-TISHOMINGO-TATE-PRENTISS-QUITMAN-

PANOLA-LAFAYETTE-UNION-PONTOTOC-LEE MS-ITAWAMBA-TALLAHATCHIE-

YALOBUSHA-CALHOUN-CHICKASAW-MONROE-

713 PM CDT SAT OCT 8 2016

...FIRE WEATHER WATCH REMAINS IN EFFECT FROM SUNDAY MORNING

THROUGH SUNDAY EVENING FOR STRONG AND GUSTY WINDS...LOW

HUMIDITY...AND LOW FUEL MOISTURE FOR A LARGE PORTION OF NORTH

MISSISSIPPI...

...RED FLAG WARNING HAS EXPIRED FOR TODAY...

\* WIND...20 FOOT WINDS AROUND 15 MPH...WITH GUSTS OF 20 MPH.

\* HUMIDITY...15 TO 25 PERCENT.

\* 10 HOUR FUEL MOISTURE...5 TO 9 PERCENT.

\* IMPACTS...ANY FIRES THAT DEVELOP WILL LIKELY SPREAD RAPIDLY.

OUTDOOR BURNING IS NOT RECOMMENDED. BURN BANS ARE IN PLACE FOR PORTIONS OF NORTH MISSISSIPPI AND EAST CENTRAL ARKANSAS.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A FIRE WEATHER WATCH MEANS THAT CRITICAL FIRE WEATHER CONDITIONS ARE FORECAST TO OCCUR. LISTEN FOR LATER FORECASTS AND POSSIBLE RED FLAG WARNINGS.

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## NWS Jackson, Mississippi:

URGENT - FIRE WEATHER MESSAGE

NATIONAL WEATHER SERVICE JACKSON MS

432 AM CDT SUN OCT 9 2016

...DRY AND BREEZY CONDITIONS WILL CONTINUE OVER PORTIONS OF THE REGION THROUGH THE REMAINDER OF THE WEEKEND...

LOW RELATIVE HUMIDITIES AND OCCASIONALLY GUSTY WINDS WILL AGAIN BE PRESENT THIS AFTERNOON. THESE CONDITIONS WILL COMBINE WITH PARCHED VEGETATION PRESENT ACROSS THE REGION TO INCREASE FIRE WEATHER DANGER...ESPECIALLY ALONG AND NORTH OF THE INTERSTATE TWENTY CORRIDOR.

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/O.UPG.KJAN.FW.A.0001.161009T1500Z-161010T0000Z/

/O.NEW.KJAN.FW.W.0002.161009T1500Z-161010T0000Z/

LEFLORE-GRENADA-CARROLL-MONTGOMERY-WEBSTER-CLAY-LOWNDES-CHOCTAW-

OKTIBBEHA-HOLMES-ATTALA-WINSTON-NOXUBEE-

432 AM CDT SUN OCT 9 2016

...RED FLAG WARNING IN EFFECT FROM 10 AM THIS MORNING TO 7 PM CDT  
THIS EVENING FOR PORTIONS OF NORTH MISSISSIPPI...

THE NATIONAL WEATHER SERVICE IN JACKSON HAS ISSUED A RED FLAG  
WARNING...WHICH IS IN EFFECT FROM 10 AM THIS MORNING TO 7 PM CDT  
THIS EVENING. THE FIRE WEATHER WATCH IS NO LONGER IN EFFECT.

\* AFFECTED AREA...PORTIONS OF NORTH MISSISSIPPI AND SOUTHEAST  
ARKANSAS GENERALLY ALONG AND NORTH OF THE HIGHWAY 82 CORRIDOR.

\* WIND...10 TO 15 MPH WITH HIGHER GUSTS

\* HUMIDITY...AS LOW AS 15 TO 25%

\* THUNDERSTORMS...NONE

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\* IMPACTS...ANY FIRES THAT DEVELOP WILL LIKELY SPREAD RAPIDLY.

OUTDOOR BURNING IS NOT RECOMMENDED.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A RED FLAG WARNING MEANS THAT CRITICAL FIRE WEATHER CONDITIONS  
ARE EITHER OCCURRING NOW... OR WILL SHORTLY. A COMBINATION OF  
STRONG WINDS... LOW RELATIVE HUMIDITY... AND WARM TEMPERATURES  
WILL CREATE EXPLOSIVE FIRE GROWTH POTENTIAL.

&&

ARZ074-075-MSZ018-019-034-035-091745-

/O.NEW.KJAN.FW.W.0002.161009T1500Z-161010T0000Z/

ASHLEY-CHICOT-BOLIVAR-SUNFLOWER-WASHINGTON-HUMPHREYS-

432 AM CDT SUN OCT 9 2016

...RED FLAG WARNING IN EFFECT FROM 10 AM THIS MORNING TO 7 PM CDT  
THIS EVENING FOR PORTIONS OF NORTHWEST MISSISSIPPI AND SOUTHEAST  
ARKANSAS...

THE NATIONAL WEATHER SERVICE IN JACKSON HAS ISSUED A RED FLAG  
WARNING...WHICH IS IN EFFECT FROM 10 AM THIS MORNING TO 7 PM CDT  
THIS EVENING.

\* AFFECTED AREA...PORTIONS OF NORTHWEST MISSISSIPPI AND EXTREME  
SOUTHEAST ARKANSAS



\* WIND...10 TO 15 MPH WITH HIGHER GUSTS  
\* HUMIDITY...AS LOW AS 15 TO 25%  
\* THUNDERSTORMS...NONE  
\* IMPACTS...ANY FIRES THAT DEVELOP WILL LIKELY SPREAD RAPIDLY.  
OUTDOOR BURNING IS NOT RECOMMENDED.  
PRECAUTIONARY/PREPAREDNESS ACTIONS...

A RED FLAG WARNING MEANS THAT CRITICAL FIRE WEATHER CONDITIONS  
ARE EITHER OCCURRING NOW, OR WILL SHORTLY. A COMBINATION OF  
STRONG WINDS, LOW RELATIVE HUMIDITY, AND WARM TEMPERATURES WILL  
CREATE EXPLOSIVE FIRE GROWTH POTENTIAL.

&&

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LAZ007>009-015-016-MSZ040>052-091745-

/O.NEW.KJAN.FW.A.0002.161009T1500Z-161010T0000Z/

MOREHOUSE-WEST CARROLL-EAST CARROLL-RICHLAND-MADISON LA-ISSAQUENA-  
SHARKEY-YAZOO-MADISON MS-LEAKE-NESHOBA-KEMPER-WARREN-HINDS-RANKIN-  
SCOTT-NEWTON-LAUDERDALE-

432 AM CDT SUN OCT 9 2016

...FIRE WEATHER WATCH IN EFFECT FROM 10 AM CDT THIS MORNING  
THROUGH THIS EVENING FOR PORTIONS OF NORTHEAST LOUISIANA AND CENTRAL  
MISSISSIPPI GENERALLY ALONG AND NORTH OF INTERSTATE TWENTY...  
THE NATIONAL WEATHER SERVICE IN JACKSON HAS ISSUED A FIRE WEATHER  
WATCH...WHICH IS IN EFFECT FROM 10 AM CDT THIS MORNING THROUGH  
THIS EVENING.

\* AFFECTED AREA...PORTIONS OF NORTHEAST LOUISIANA AND CENTRAL  
MISSISSIPPI ALONG AND NORTH OF THE INTERSTATE 20 CORRIDOR  
\* WIND...10 TO 15 MPH WITH HIGHER GUSTS  
\* HUMIDITY...AS LOW AS 15 TO 25%  
\* THUNDERSTORMS...NONE  
\* IMPACTS...ANY FIRES THAT DEVELOP WILL LIKELY SPREAD RAPIDLY.  
OUTDOOR BURNING IS NOT RECOMMENDED.  
PRECAUTIONARY/PREPAREDNESS ACTIONS...

A FIRE WEATHER WATCH MEANS THAT CRITICAL FIRE WEATHER CONDITIONS

ARE FORECAST TO OCCUR. LISTEN FOR LATER FORECASTS AND POSSIBLE  
RED FLAG WARNINGS.

\$\$

## NWS New Orleans, Louisiana:

URGENT - FIRE WEATHER MESSAGE

NATIONAL WEATHER SERVICE NEW ORLEANS LA

400 PM CDT SUN OCT 18 2015

...FIRE WEATHER WATCH IN EFFECT UNTIL 7 PM CDT THIS EVENING...

...RELATIVE HUMIDITY LEVEL WILL INCREASE SOMEWHAT ON MONDAY...TO 25

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TO 35 PERCENT...AND TO 40 TO 50 PERCENT ON TUESDAY. WIND SPEEDS  
SHOULD REMAIN BELOW 15 MPH MONDAY AND TUESDAY. VEGETATION REMAINS  
UNUSUALLY DRY. WHILE THE FIRE WEATHER WATCH WILL BE ALLOWED TO  
EXPIRE...FIRE DANGER WILL REMAIN HIGH. BURN BANS ARE IN EFFECT  
UNTIL FURTHER NOTICE FOR ALL LOUISIANA PARISHES...AS WELL AS  
SEVERAL COUNTIES IN SOUTHWEST MISSISSIPPI.

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190000-

/O.CON.KLIX.FW.A.0001.000000T0000Z-151019T0000Z/

POINTE COUPEE-WEST FELICIANA-EAST FELICIANA-ST. HELENA-WASHINGTON-  
ST. TAMMANY-IBERVILLE-WEST BATON ROUGE-EAST BATON ROUGE-ASCENSION-  
LIVINGSTON-ASSUMPTION-ST. JAMES-ST. JOHN THE BAPTIST-  
UPPER LAFOURCHE-ST. CHARLES-UPPER JEFFERSON-ORLEANS-  
UPPER PLAQUEMINES-UPPER ST. BERNARD-UPPER TERREBONNE-  
NORTHERN TANGIPAOHA-SOUTHERN TANGIPAOHA-WILKINSON-AMITE-PIKE-  
WALTHALL-PEARL RIVER-HANCOCK-HARRISON-JACKSON-

400 PM CDT SUN OCT 18 2015

...FIRE WEATHER WATCH REMAINS IN EFFECT UNTIL 7 PM CDT THIS  
EVENING FOR HIGH FIRE DANGER CONDITIONS.

AFFECTED AREA...IN LOUISIANA...FIRE WEATHER ZONE 034 POINTE  
COUPEE...FIRE WEATHER ZONE 035 WEST FELICIANA...FIRE WEATHER  
ZONE 036 EAST FELICIANA...FIRE WEATHER ZONE 037 ST. HELENA...  
FIRE WEATHER ZONE 039 WASHINGTON...FIRE WEATHER ZONE 040 ST.  
TAMMANY...FIRE WEATHER ZONE 046 IBERVILLE...FIRE WEATHER ZONE  
047 WEST BATON ROUGE...FIRE WEATHER ZONE 048 EAST BATON  
ROUGE... FIRE WEATHER ZONE 049 ASCENSION...FIRE WEATHER ZONE  
050 LIVINGSTON...FIRE WEATHER ZONE 056 ASSUMPTION...FIRE  
WEATHER ZONE 057 ST. JAMES...FIRE WEATHER ZONE 058 ST. JOHN

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THE BAPTIST...FIRE WEATHER ZONE 059 UPPER LAFOURCHE...FIRE  
WEATHER ZONE 060 ST. CHARLES...FIRE WEATHER ZONE 061 UPPER  
JEFFERSON... FIRE WEATHER ZONE 062 ORLEANS...FIRE WEATHER ZONE  
063 UPPER PLAQUEMINES...FIRE WEATHER ZONE 064 UPPER ST.  
BERNARD...FIRE WEATHER ZONE 065 UPPER TERREBONNE...FIRE  
WEATHER ZONE 071 NORTHERN TANGIPAHOA...FIRE WEATHER ZONE 072  
SOUTHERN TANGIPAHOA. IN MISSISSIPPI...FIRE WEATHER ZONE 068  
WILKINSON... FIRE WEATHER ZONE 069 AMITE...FIRE WEATHER ZONE  
070 PIKE...FIRE WEATHER ZONE 071 WALTHALL...FIRE WEATHER ZONE  
077 PEARL RIVER... FIRE WEATHER ZONE 080 HANCOCK...FIRE  
WEATHER ZONE 081 HARRISON...FIRE WEATHER ZONE 082 JACKSON.

WIND...NORTHEAST 10 TO 15 MPH WITH HIGHER GUSTS THIS AFTERNOON.

NORTHEAST WINDS AROUND 10 MPH ON MONDAY.

\* HUMIDITY...15 TO 30 PERCENT THIS AFTERNOON...25 TO 35 PERCENT  
MONDAY.

\* IMPACTS...INCREASED RISK OF WILDFIRE DEVELOPMENT DUE TO THE  
LOW HUMIDITIES AND VERY DRY VEGETATION IN PLACE.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A FIRE WEATHER WATCH MEANS THAT CRITICAL FIRE WEATHER CONDITIONS  
ARE FORECAST TO OCCUR. LISTEN FOR LATER FORECASTS AND POSSIBLE

RED FLAG WARNINGS.

## NWS Mobile, Alabama:

URGENT - FIRE WEATHER MESSAGE

NATIONAL WEATHER SERVICE MOBILE AL

316 PM CST TUE NOV 22 2016

...A RED FLAG WARNING IS IN EFFECT FOR THE WESTERN FLORIDA  
PANHANDLE THIS AFTERNOON DUE TO A LONG DURATION OF LOW HUMIDITY

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VALUES AND POTENTIALLY HIGH ERC COMPONENTS...

...RELATIVE HUMIDITIES BELOW 28 PERCENT...WITH MINIMUMS AROUND  
15 TO 20 PERCENT...WILL CONTINUE ACROSS THE AREA. WHILE MIXED  
LAYER WINDS REMAIN LIGHT...THESE HUMIDITIES COMBINED WITH HIGH  
ERC VALUES HAVE WARRANTED THE ISSUANCE OF A RED FLAG WARNING FOR  
THE WESTERN FLORIDA PANHANDLE THIS AFTERNOON.

FLZ201>206-230000-

/O.CON.KMOB.FW.W.0009.000000T0000Z-161123T0000Z/

ESCAMBIA INLAND-ESCAMBIA COASTAL-SANTA ROSA INLAND-  
SANTA ROSA COASTAL-OKALOOSA INLAND-OKALOOSA COASTAL-

316 PM CST TUE NOV 22 2016

...RED FLAG WARNING REMAINS IN EFFECT UNTIL 6 PM CST THIS EVENING  
FOR THE WESTERN FLORIDA PANHANDLE DUE TO LOW RELATIVE HUMIDITIES  
AND HIGH ERC VALUES...

\* AFFECTED AREA...FIRE WEATHER ZONES 201...202...203...204...  
205 AND 206

\* WIND...EAST 5 TO 10 MPH.

\* HUMIDITY...BELOW 28 PERCENT...WITH MINIMUM VALUES AROUND 15  
PERCENT.

\* IMPACTS...ANY FIRES THAT DEVELOP WILL LIKELY SPREAD RAPIDLY.

OUTDOOR BURNING IS NOT RECOMMENDED.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A RED FLAG WARNING MEANS THAT CRITICAL FIRE WEATHER CONDITIONS ARE EITHER OCCURRING NOW...OR WILL SHORTLY. A COMBINATION OF STRONG WINDS...LOW RELATIVE HUMIDITY...AND WARM TEMPERATURES CAN CONTRIBUTE TO EXTREME FIRE BEHAVIOR.

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## Appendix IV Fire Weather Forecast Examples

### NWS Specific

-31-

**NWS Memphis:** Issued twice a day with updates issued as needed.

MSZ002>006-009-013>017-022>024-271130-

ALCORN-BENTON MS-CALHOUN-CHICKASAW-ITAWAMBA-LAFAYETTE-LEE MS-MARSHALL-MONROE-PONTOTOC-PRENTISS-TIPPAH-TISHOMINGO-UNION-INCLUDING...NORTH MISSISSIPPI PORTION NATCHEZ TRACE PARKWAY...NORTH UNIT HOLLY SPRINGS NATIONAL FOREST...

NORTH UNIT TOMBIGBEE NATIONAL FOREST...NORTHEAST MISSISSIPPI

240 PM CST SAT NOV 26 2016

|                    | TONIGHT | SUN      | SUN NIGHT  | MON        |
|--------------------|---------|----------|------------|------------|
| CLOUD COVER        | CLEAR   | MCLEAR   | MCLDY      | CLOUDY     |
| PRECIP CHANCE (%)  | 0       | 0        | 20         | 80         |
| PRECIP TYPE        | NONE    | NONE     | SHOWERS    | TSTMS      |
| PRECIP AMOUNT (IN) | 0.00    | 0.00     | 0.01       | 0.84       |
| PRECIP DUR (HRS)   |         |          | 1          | 9          |
| PRECIP BEGINS      |         |          | 12 AM      | CONTINUING |
| PRECIP ENDS        |         |          | CONTINUING | CONTINUING |
| TEMP (24H TREND)   | 31 (-1) | 63 (+6)  | 49         | 68         |
| RH % (24H TREND)   | 93 (-3) | 27 (-11) | 92         | 60         |

|                     |         |        |                   |
|---------------------|---------|--------|-------------------|
| AM 20 FT WIND (MPH) | LGT/VAR | S 8-12 | G18               |
| PM 20 FT WIND (MPH) | LGT/VAR | S 3-7  | S 3-7 S 12-16 G22 |
| MIXING HGT (M-AGL)  | 608     | 745    |                   |
| MIXING HGT (FT-AGL) | 1994    | 2443   |                   |
| MIXING HGT (M-MSL)  | 732     | 868    |                   |
| MIXING HGT (FT-MSL) | 2402    | 2849   |                   |
| TRANSPORT WND (M/S) | S 5     | S 14   |                   |
| TRANSPORT WND (MPH) | S 10    | S 32   |                   |
| VENT INDEX (M2/S)   | 3660    | 12152  |                   |

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|                       |         |      |
|-----------------------|---------|------|
| CATEGORY DAY          | 2       | 4    |
| 500M MIX HGT TEMP (F) | 55      | 61   |
| 500M TSPT WIND (M/S)  | S 5     | S 13 |
| 500M TSPT WIND (MPH)  | S 10    | S 29 |
| DISPERSION INDEX      | 3 19 23 | 62   |
| LAL                   | 1 1 1   | 5    |
| LASI                  | 4 4 4   | 3    |
| STABILITY             | F C E   | D    |
| STAGNATION INDEX      | 3 3 3   | 0    |

REMARKS...NONE.

.FORECAST FOR DAYS 3 THROUGH 7...

.MONDAY NIGHT...SHOWERS AND THUNDERSTORMS. LOWS IN THE LOWER 50S.

SOUTHWEST WINDS 10 TO 15 MPH.

.TUESDAY...A SLIGHT CHANCE OF SHOWERS. MOSTLY SUNNY. HIGHS IN THE LOWER 70S. MINIMUM RH 39 PERCENT. SOUTHWEST WINDS 5 TO 10 MPH.

.TUESDAY NIGHT...A CHANCE OF SHOWERS. MOSTLY CLOUDY. LOWS AROUND 50. SOUTHWEST WINDS AROUND 5 MPH.

.WEDNESDAY...A CHANCE OF SHOWERS. PARTLY SUNNY. HIGHS IN THE LOWER 60S. MINIMUM RH 49 PERCENT. WEST WINDS AROUND 5 MPH.

.WEDNESDAY NIGHT...A SLIGHT CHANCE OF RAIN SHOWERS. PARTLY CLOUDY. LOWS IN THE UPPER 30S. NORTHWEST WINDS AROUND 5 MPH.

.THURSDAY...SUNNY. HIGHS IN THE MID 50S. MINIMUM RH 41 PERCENT.

NORTHWEST WINDS AROUND 5 MPH.

.THURSDAY NIGHT...CLEAR. LOWS IN THE MID 30S. WEST WINDS AROUND 5 MPH BECOMING LIGHT AND VARIABLE.

.FRIDAY...SUNNY. HIGHS IN THE MID 50S. MINIMUM RH 38 PERCENT.

NORTHWEST WINDS AROUND 5 MPH.

.FRIDAY NIGHT...MOSTLY CLEAR. LOWS IN THE MID 30S. NORTH WINDS AROUND 5 MPH.

.SATURDAY...MOSTLY SUNNY. HIGHS IN THE MID 50S. MINIMUM RH

44 PERCENT. NORTHEAST WINDS AROUND 5 MPH.

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**NWS Jackson: Issued twice a day with updates issued as needed.**

FIRE WEATHER PLANNING FORECAST FOR EXTREME SOUTHEAST ARKANSAS,  
NORTHEAST LOUISIANA, AND CENTRAL MISSISSIPPI  
NATIONAL WEATHER SERVICE JACKSON MS

211 PM CST SAT NOV 26 2016

.DISCUSSION...

GENERALLY DRY CONDITIONS WILL CONTINUE INTO SUNDAY AS HIGH PRESSURE  
MOVES OVER THE AREA. LOW HUMIDITY DURING THE MIDDLE OF THE DAY  
TOMORROW WILL RESULT IN INCREASED FIRE DANGER, WITH RHS IN THE LOW  
TO MID 20S POSSIBLE IN SOME AREAS. LIGHT WINDS WILL PRECLUDE A MORE  
SIGNIFICANT FIRE DANGER THREAT. RAIN CHANCES WILL RETURN ON MONDAY  
AS A COLD FRONT MOVES INTO THE REGION. A COUPLE ROUNDS OF SHOWERS  
AND THUNDERSTORMS WILL BE POSSIBLE THROUGH THE MIDDLE OF THE WEEK.  
PATCHY FOG IS POSSIBLE LATE TONIGHT INTO EARLY SUNDAY, BUT WIDESPREAD  
FOG IS NOT EXPECTED AT THIS TIME.

USE THE FOLLOWING LINK FOR A GRAPHICAL FORECAST OF LVORI INDICES:

[HTTP://WWW.WEATHER.GOV/JAN/FIRE\\_WEATHER\\_LVORI](http://www.weather.gov/jan/fire_weather_lvori)

ARZ074-075-LAZ007>009-271015-

ASHLEY-CHICOT-MOREHOUSE-WEST CARROLL-EAST CARROLL-

INCLUDING THE CITIES OF...CROSSETT...NORTH CROSSETT...HAMBURG...

WEST CROSSETT...DERMOTT...LAKE VILLAGE...EUDORA...BASTROP...

OAK GROVE...EPPS...LAKE PROVIDENCE

211 PM CST SAT NOV 26 2016

TONIGHT      SUN              SUN NIGHT      MON

|                   |          |          |         |          |
|-------------------|----------|----------|---------|----------|
| CLOUD COVER       | MCLEAR   | PCLDY    | MCLDY   | CLOUDY   |
| PRECIP TYPE       | NONE     | NONE     | SHOWERS | TSTMS    |
| CHANCE PRECIP (%) | 0        | 0        | 20      | 80       |
| TEMP (24H TREND)  | 33 (-12) | 64 (+3)  | 52      | 72       |
| RH % (24H TREND)  | 100 (+5) | 29 (-21) | 92      | 67       |
| 20FTWND-AM(MPH)   |          | LGT/VAR  |         | S 13 G25 |
| 20FTWND-PM(MPH)   | LGT/VAR  | LGT/VAR  | LGT/VAR | S 16 G29 |
| RAIN DURATN(HRS)  |          |          | 1       | 11       |

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|                      |      |       |            |            |
|----------------------|------|-------|------------|------------|
| RAIN AMOUNT(INS)     | 0.00 | 0.00  | 0.00       | 1.56       |
| SILT/500M MLT (F)    |      | 56    |            | 65         |
| MIXING HGT(M AGL)    |      | 1009  |            | 967        |
| MIXING HGT(FT AGL)   |      | 3311  |            | 3173       |
| TRANSPORT WND (M/S)  |      | S 5   |            | S 16       |
| TRANSPORT WND (MPH)  |      | S 10  |            | S 36       |
| VENT INDEX (METRIC)  |      | 5045  |            | 15472      |
| VENT INDEX (ENGLISH) |      | 33110 |            | 114228     |
| STAG INDEX           | 3    | 3     | 3          | 0          |
| CATEGORY DAY         |      | 3     |            | 4          |
| STABILITY            | F    | A-B   | E          | D          |
| WIND SHIFTS          |      |       |            |            |
| PRECIP BEGIN         |      |       | 12 AM      | CONTINUING |
| PRECIP END           |      |       | CONTINUING | CONTINUING |
| MAXIMUM LVORI        | 9    |       | 5          |            |
| DISPERSION INDEX     | 0    | 35    | 16         | 69         |

REMARKS...NONE.

.FORECAST FOR DAYS 3 THROUGH 7...

.TUESDAY...MOSTLY CLEAR. CHANCE OF RAIN SHOWERS AND SLIGHT CHANCE OF THUNDERSTORMS. LOWS IN THE UPPER 40S. HIGHS IN THE LOWER 70S. SOUTHWEST WINDS AROUND 5 MPH.

.WEDNESDAY...MOSTLY CLOUDY. CHANCE OF RAIN SHOWERS. LOWS IN THE UPPER 40S. HIGHS IN THE LOWER 60S. NORTHWEST WINDS UP TO 10 MPH.

.THURSDAY...MOSTLY CLEAR. LOWS IN THE UPPER 30S. HIGHS IN THE UPPER 50S. NORTHWEST WINDS UP TO 5 MPH.

.FRIDAY...MOSTLY CLEAR. LOWS IN THE MID 30S. HIGHS IN THE LOWER 60S. SOUTHEAST WINDS UP TO 5 MPH.

.SATURDAY...MOSTLY CLOUDY. LOWS IN THE UPPER 30S. HIGHS IN THE



UPPER 50S. NORTHEAST WINDS UP TO 5 MPH.

### NWS New Orleans: Issued twice a day with updates issued as need

FIRE WEATHER PLANNING FORECAST FOR S MS AND SE LA

NATIONAL WEATHER SERVICE NEW ORLEANS LA

300 PM CST MON NOV 28 2016

**-35-**

.RED FLAG...NONE.

.DISCUSSION...A STRONG AREA OF LOW PRESSURE WILL CONTINUE TO AFFECT THE AREA THROUGH TOMORROW. A COLD FRONT ASSOCIATED WITH THIS LOW PRESSURE SYSTEM SHOULD PUSH THROUGH TOMORROW NIGHT. IN THE WAKE OF THE FRONT, HIGH PRESSURE WILL BRIEFLY BUILD IN THURSDAY AND FRIDAY. HOWEVER, ANOTHER LOW PRESSURE SYSTEM SHOULD IMPACT THE REGION OVER THE WEEKEND.

MSZ068>071-291015-

WILKINSON-AMITE-PIKE-WALTHALL-

INCLUDING THE CITIES OF...CENTREVILLE...DOLOROSA...FORT ADAMS...

WOODVILLE...GILLSBERG...GLOSTER...SMITHDALE...LIBERTY...MCCOMB...

DEXTER...SALEM...TYLERTOWN

300 PM CST MON NOV 28 2016

.RED FLAG...NONE.

|                   | TONIGHT | TUE   | TUE NIGHT | WED   |
|-------------------|---------|-------|-----------|-------|
| CLOUD COVER       | PCLDY   | PCLDY | MCLDY     | PCLDY |
| PRECIP TYPE       | TSTMS   | TSTMS | TSTMS     | TSTMS |
| CHANCE PRECIP (%) | 60      | 40    | 80        | 60    |
| TEMP              | 56      | 81    | 56        | 69    |

|                       |             |       |        |        |
|-----------------------|-------------|-------|--------|--------|
| RH (%)                | 100         | 54    | 100    | 32     |
| 20FT WIND/AM(MPH)     |             | S 3-7 |        | NW 4-8 |
| 20FT WIND/PM(MPH)     | SW 6-10 G23 | S 4-8 | S 6-10 | NW 5-9 |
| AVG PCPN AMT (IN)     | 0.41        | 0.06  | 1.69   | 0.10   |
| PRECIP DURATION (HR)  | 4           | 2     | 11     | 2      |
| MIXING HGT(M-AGL/MSL) |             | 1251  |        | 1530   |
| TRANSPORT WIND (M/S)  |             | S 9   |        | NW 8   |
| VENT RATE (M**2/S)    |             | 11259 |        | 12240  |

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|                     |             |             |             |             |
|---------------------|-------------|-------------|-------------|-------------|
| CATEGORY DAY        |             | 4           |             | 4           |
| ADI EARLY           | 22 FAIR     | 31 FAIR     | 15 GEN POOR | 26 FAIR     |
| ADI LATE            | 4 VERY POOR | 53 GEN GOOD | 16 GEN POOR | 54 GEN GOOD |
| MAX LVORI EARLY     | 7           | 6           | 8           | 4           |
| MAX LVORI LATE      | 7           | 3           | 8           | 2           |
| MIN VSBY EARLY (MI) | 3 RAIN      | 7           |             |             |
| MIN VSBY LATE (MI)  | 7           | 7           |             |             |
| FOG POTENTIAL EARLY | MODERATE    | NONE        | NONE        | NONE        |
| FOG POTENTIAL LATE  | MODERATE    | NONE        | NONE        | NONE        |
| SILT/ 500 MLT (F)   |             | 72          |             | 66          |
| MRNG MXG HGT (M)    |             | 495         |             | 500         |
| STAGNATION INDEX    | 1           | 1           | 1           | 1           |
| STABILITY CLASS     | F           | C           | D           | C           |
| DISPERSION INDEX    | 6           | 19          | 8           | 18          |

REMARKS...FOG POTENTIAL AND OTHER REMARKS...FOG IS NOT EXPECTED TONIGHT.

ADI IS ATMOSPHERIC DISPERSION INDEX BY LAVDAS.

LVORI IS LOW VISIBILITY OCCURRENCE RISK INDEX.

.FORECAST FOR DAYS 3 THROUGH 7...

.WEDNESDAY NIGHT...PARTLY CLOUDY. LOWS IN THE MID 30S. NORTHWEST

WINDS 5 TO 10 MPH. MAXIMUM RH 87 PERCENT.

.THURSDAY...SUNNY. HIGHS IN THE MID 60S. NORTH WINDS AROUND  
5 MPH. MINIMUM RH 30 PERCENT.

.THURSDAY NIGHT...CLEAR. LOWS IN THE MID 30S. NORTHEAST WINDS  
AROUND 5 MPH. MAXIMUM RH 80 PERCENT.

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.FRIDAY...SUNNY. HIGHS IN THE MID 60S. NORTHEAST WINDS AROUND  
5 MPH. MINIMUM RH 31 PERCENT.

.FRIDAY NIGHT...PARTLY CLOUDY WITH A 20 PERCENT CHANCE OF RAIN  
SHOWERS. LOWS IN THE LOWER 40S. EAST WINDS 5 TO 10 MPH. MAXIMUM  
RH 78 PERCENT.

.SATURDAY...MOSTLY CLOUDY WITH A 40 PERCENT CHANCE OF RAIN  
SHOWERS. HIGHS IN THE MID 50S. EAST WINDS 5 TO 10 MPH. MINIMUM RH  
53 PERCENT.

.SATURDAY NIGHT...RAIN LIKELY. LOWS IN THE MID 40S. EAST WINDS  
10 TO 15 MPH. MAXIMUM RH 99 PERCENT.

.SUNDAY...RAIN LIKELY. HIGHS IN THE MID 50S. WEST WINDS 10 TO  
15 MPH. MINIMUM RH 69 PERCENT.

.SUNDAY NIGHT...MOSTLY CLOUDY WITH CHANCE OF RAIN AND SLIGHT  
CHANCE OF THUNDERSTORMS. LOWS IN THE MID 40S. NORTHWEST WINDS  
AROUND 10 MPH. MAXIMUM RH 79 PERCENT.

.MONDAY...PARTLY CLOUDY WITH CHANCE OF RAIN AND SLIGHT CHANCE OF  
THUNDERSTORMS. HIGHS AROUND 60. WEST WINDS AROUND 10 MPH. MINIMUM  
RH 50 PERCENT.

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**NWS Mobile: Issued twice a day with updates issued as needed.**

FIRE WEATHER PLANNING FORECAST FOR INLAND SOUTHEAST MISSISSIPPI...

SOUTHWEST ALABAMA AND THE EXTREME WESTERN FLORIDA PANHANDLE

NATIONAL WEATHER SERVICE MOBILE AL

335 PM CST MON NOV 28 2016

.DISCUSSION...A STRONG SOUTHERLY WIND FLOW IN THE MIXED LAYER WILL OCCUR THIS AFTERNOON INTO TUESDAY AS A STORM SYSTEM MOVES WEST TO EAST ACROSS THE REGION. THIS APPROACHING SYSTEM WILL BRING INCREASING RAIN CHANCES THIS EVENING INTO EARLY TUESDAY. YET ANOTHER SYSTEM WILL MOVE WEST TO EAST ACROSS THE REGION ON WEDNESDAY. BOTH SYSTEMS WILL BRING A CHANCE

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FOR SHOWERS AND THUNDERSTORMS TO THE REGION...WITH A SLIGHT CHANCE OF SEVERE WEATHER TONIGHT AND AGAIN ON WEDNESDAY.

FOG POTENTIAL AND OTHER REMARKS...FOG IS NOT EXPECTED.

MSZ067-075-076-291145-

WAYNE-PERRY-GREENE-

INCLUDING THE CITIES OF...WAYNESBORO...BEAUMONT...NEW AUGUSTA...

RICHTON...LEAKESVILLE...MCLAIN

335 PM CST MON NOV 28 2016

|                     | TONIGHT | TUE    | TUE NIGHT | WED    |
|---------------------|---------|--------|-----------|--------|
| CLOUD COVER         | CLOUDY  | MCLDY  | CLOUDY    | MCLDY  |
| CHANCE PRECIP (%)   | 80      | 30     | 80        | 90     |
| PRECIP TYPE         | TSTMS   | TSTMS  | TSTMS     | TSTMS  |
| TEMP                | 59      | 80     | 62        | 69     |
| RH %                | 100     | 64     | 100       | 55     |
| 20FT WND MPH(AM)    |         | S 5-9  |           | W 6-10 |
| 20FT WND MPH(PM)    | S 11-15 | S 7-11 | S 8-12    | NW 4-8 |
| PRECIP DURATION     | 8       | 2      | 10        | 5      |
| PRECIP AMOUNT       | 0.64    | 0.05   | 0.33      | 0.82   |
| MIXING HGT (FT-AGL) | 700     | 3200   | 1000      | 2800   |
| MIXING HGT (M-AGL)  | 213     | 975    | 305       | 853    |
| TRANSPORT WND (MPH) | SW 9    | S 18   | SW 15     | NW 12  |
| TRANSPORT WND (M/S) | SW 4    | S 8    | SW 7      | NW 5   |
| DISPERSION INDEX    | 7       | 61     | 12        | 55     |

|                 |   |   |   |   |
|-----------------|---|---|---|---|
| STAG INDEX      | 2 | 3 | 1 | 3 |
| STABILITY CLASS | D | C | D | C |
| MAX LVORI       | 8 |   | 5 |   |

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|              |            |            |            |            |
|--------------|------------|------------|------------|------------|
| LAL          | 5          | 3          | 5          | 5          |
| PRECIP BEGIN | 6 PM       | CONTINUING | CONTINUING | CONTINUING |
| PRECIP END   | CONTINUING | CONTINUING | CONTINUING | 6 PM       |

.EXTENDED...

.WEDNESDAY NIGHT...MOSTLY CLEAR. LOWS AROUND 40. NORTHWEST WINDS AROUND 5 MPH. MAXIMUM RH 88 PERCENT.

.THURSDAY...SUNNY. HIGHS IN THE LOWER 60S. NORTHWEST WINDS AROUND 5 MPH. MINIMUM RH 38 PERCENT.

.THURSDAY NIGHT...MOSTLY CLEAR. LOWS IN THE MID 30S. NORTH WINDS AROUND 5 MPH. MAXIMUM RH 91 PERCENT.

.FRIDAY...SUNNY. HIGHS IN THE LOWER 60S. NORTHEAST WINDS AROUND 5 MPH. MINIMUM RH 35 PERCENT.

.FRIDAY NIGHT...PARTLY CLOUDY. SLIGHT CHANCE OF SHOWERS AND THUNDERSTORMS. LOWS IN THE UPPER 30S. NORTHEAST WINDS 5 TO 10 MPH. MAXIMUM RH 88 PERCENT.

.SATURDAY...PARTLY SUNNY. CHANCE OF SHOWERS AND THUNDERSTORMS. HIGHS IN THE UPPER 50S. NORTHEAST WINDS 5 TO 10 MPH. MINIMUM RH 49 PERCENT.

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## Appendix V Spot Forecast Examples

### NWS Specific

### NWS Memphis

SPOT FORECAST FOR DESOTO 15615...USDA FOREST SERVICE  
NATIONAL WEATHER SERVICE JACKSON MS

752 AM CDT WED APR 20 2016

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FORECAST IS BASED ON IGNITION TIME OF 1000 CDT ON APRIL 20.  
IF CONDITIONS BECOME UNREPRESENTATIVE...CONTACT THE NATIONAL WEATHER SERVICE.

.DISCUSSION...SCATTERED SHOWERS WILL MOVE ACROSS THE AREA...MAINLY IN THE AFTERNOON AND EVENING. WINDS ACROSS THE REGION SHOULD BE SOUTH TO SOUTHEAST AND REMAIN AROUND 10 MPH OR LESS THROUGH THE DAY. RELATIVE HUMIDITY VALUES MAY FALL AS LOW AS 40 PERCENT IN THE AFTERNOON. PATCHY DENSE FOG AND LOW CLOUDS WILL BE POSSIBLE AGAIN THURSDAY MORNING.

TODAY...

| TIME (CDT)       | 10 AM | NOON  | 2 PM  | 4 PM  |
|------------------|-------|-------|-------|-------|
| SKY COVER.....   | MCLDY | MCLDY | PCLDY | PCLDY |
| WEATHER COV..... |       |       |       |       |
| WEATHER TYPE.... | NONE  | NONE  | NONE  | NONE  |
| TEMP.....        | 68    | 76    | 79    | 81    |
| RH.....          | 79    | 52    | 42    | 39    |
| 20 FT WIND DIR.. | SE    | SE    | SE    | S     |
| 20 FT WIND SPD.. | 3     | 5     | 7     | 7     |
| 20 FT WIND GUST. | 5     | 10    | 10    | 10    |
| MIX HGT (FT).... | 3600  | 5900  | 7200  | 6600  |
| MIX HGT (M)....  | 1100  | 1800  | 2190  | 2010  |
| TRANSPORT WIND.. | S 5   | S 6   | S 6   | S 8   |
| TRAN WIND (M/S). | S 2   | S 3   | S 3   | S 4   |

.TONIGHT...

| TIME (CDT)     | 6 PM  | 8 PM  | 10 PM | MIDNGT | 2 AM  | 4 AM   |
|----------------|-------|-------|-------|--------|-------|--------|
| SKY COVER..... | PCLDY | PCLDY | PCLDY | MCLDY  | MCLDY | CLOUDY |

|                      |        |        |        |        |        |        |        |        |        |        |
|----------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| WEATHER COV.....     | S      | CHC    | S      | CHC    | S      | CHC    | S      | CHC    | S      | CHC    |
| WEATHER TYPE....NONE | RNSHWR | RNSHWR | RNSHWR | RNSHWR | RNSHWR | RNSHWR | RNSHWR | RNSHWR | RNSHWR | RNSHWR |
| TEMP.....80          | 72     | 67     | 64     | 63     | 62     |        |        |        |        |        |
| RH.....41            | 57     | 73     | 87     | 90     | 93     |        |        |        |        |        |

-41-

|                      |      |      |      |      |      |
|----------------------|------|------|------|------|------|
| 20 FT WIND DIR..S    | S    | S    | S    | S    | SE   |
| 20 FT WIND SPD..6    | 3    | 3    | 3    | 3    | 2    |
| 20 FT WIND GUST.10   | 5    | 5    | 5    | 5    |      |
| MIX HGT (FT)....3900 | 1700 | 900  | 600  | 500  | 400  |
| MIX HGT (M)....1190  | 520  | 270  | 180  | 150  | 120  |
| TRANSPORT WIND..S 14 | S 15 | S 10 | S 10 | S 10 | S 10 |
| TRAN WIND (M/S).S 6  | S 7  | S 4  | S 4  | S 4  | S 4  |

.THURSDAY...

|                     |        |        |        |        |        |        |
|---------------------|--------|--------|--------|--------|--------|--------|
| TIME (CDT)          | 6 AM   | 8 AM   | 10 AM  | NOON   | 2 PM   | 4 PM   |
| SKY COVER.....      | CLOUDY | CLOUDY | CLOUDY | CLOUDY | CLOUDY | CLOUDY |
| WEATHER COV.....    | S CHC  | LIKELY | LIKELY | LIKELY | LIKELY | LIKELY |
| WEATHER TYPE....    | RNSHWR | RNSHWR | RNSHWR | RNSHWR | RNSHWR | RNSHWR |
| TEMP.....60         | 61     | 68     | 73     | 76     | 77     |        |
| RH.....100          | 100    | 84     | 68     | 62     | 60     |        |
| 20 FT WIND DIR..SE  | SE     | S      | S      | S      | S      |        |
| 20 FT WIND SPD..2   | 3      | 5      | 6      | 8      | 8      |        |
| 20 FT WIND GUST.    | 5      | 10     | 10     | 15     | 15     |        |
| MIX HGT (FT)....500 | 900    | 2000   | 5100   | 6400   | 5100   |        |
| MIX HGT (M)....150  | 270    | 610    | 1550   | 1950   | 1550   |        |
| TRANSPORT WIND..S 9 | S 9    | S 10   | S 13   | S 15   | S 17   |        |
| TRAN WIND (M/S).S 4 | S 4    | S 4    | S 6    | S 7    | S 8    |        |

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FORECASTER...MAXIE

REQUESTED BY...JAY BOYKIN

TYPE OF REQUEST...PRESCRIBED

.TAG 20160420.DESOT.01/JAN

## NWS Jackson:

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SPOT FORECAST FOR DESOTO 15615...USDA FOREST SERVICE

NATIONAL WEATHER SERVICE JACKSON MS

752 AM CDT WED APR 20 2016

FORECAST IS BASED ON IGNITION TIME OF 1000 CDT ON APRIL 20.

IF CONDITIONS BECOME UNREPRESENTATIVE...CONTACT THE NATIONAL WEATHER SERVICE.

.DISCUSSION...SCATTERED SHOWERS WILL MOVE ACROSS THE AREA...MAINLY IN THE AFTERNOON AND EVENING. WINDS ACROSS THE REGION SHOULD BE SOUTH TO SOUTHEAST AND REMAIN AROUND 10 MPH OR LESS THROUGH THE DAY. RELATIVE HUMIDITY VALUES MAY FALL AS LOW AS 40 PERCENT IN THE AFTERNOON. PATCHY DENSE FOG AND LOW CLOUDS WILL BE POSSIBLE AGAIN THURSDAY MORNING.

.TODAY...

| TIME (CDT)       | 10 AM | NOON  | 2 PM  | 4 PM  |
|------------------|-------|-------|-------|-------|
| SKY COVER.....   | MCLDY | MCLDY | PCLDY | PCLDY |
| WEATHER COV..... |       |       |       |       |
| WEATHER TYPE.... | NONE  | NONE  | NONE  | NONE  |
| TEMP.....        | 68    | 76    | 79    | 81    |
| RH.....          | 79    | 52    | 42    | 39    |
| 20 FT WIND DIR.. | SE    | SE    | SE    | S     |
| 20 FT WIND SPD.. | 3     | 5     | 7     | 7     |
| 20 FT WIND GUST. | 5     | 10    | 10    | 10    |
| MIX HGT (FT).... | 3600  | 5900  | 7200  | 6600  |
| MIX HGT (M)....  | 1100  | 1800  | 2190  | 2010  |
| TRANSPORT WIND.. | S 5   | S 6   | S 6   | S 8   |
| TRAN WIND (M/S). | S 2   | S 3   | S 3   | S 4   |



.TONIGHT...

| TIME (CDT)     | 6 PM  | 8 PM  | 10 PM | MIDNGT | 2 AM  | 4 AM   |
|----------------|-------|-------|-------|--------|-------|--------|
| SKY COVER..... | PCLDY | PCLDY | PCLDY | MCLDY  | MCLDY | CLOUDY |

|                  |   |     |   |     |   |     |   |     |   |     |
|------------------|---|-----|---|-----|---|-----|---|-----|---|-----|
| WEATHER COV..... | S | CHC | S | CHC | S | CHC | S | CHC | S | CHC |
|------------------|---|-----|---|-----|---|-----|---|-----|---|-----|

| WEATHER TYPE....  | NONE | RNSHWR | RNSHWR | RNSHWR | RNSHWR | RNSHWR |
|-------------------|------|--------|--------|--------|--------|--------|
| TEMP.....         | 80   | 72     | 67     | 64     | 63     | 62     |
| RH.....           | 41   | 57     | 73     | 87     | 90     | 93     |
| 20 FT WIND DIR..  | S    | S      | S      | S      | S      | SE     |
| 20 FT WIND SPD..  | 6    | 3      | 3      | 3      | 3      | 2      |
| 20 FT WIND GUST.. | 10   | 5      | 5      | 5      | 5      |        |
| MIX HGT (FT)....  | 3900 | 1700   | 900    | 600    | 500    | 400    |
| MIX HGT (M).....  | 1190 | 520    | 270    | 180    | 150    | 120    |
| TRANSPORT WIND..  | S 14 | S 15   | S 10   | S 10   | S 10   | S 10   |
| TRAN WIND (M/S).. | S 6  | S 7    | S 4    | S 4    | S 4    | S 4    |

.THURSDAY...

| TIME (CDT)        | 6 AM   | 8 AM   | 10 AM  | NOON   | 2 PM   | 4 PM   |
|-------------------|--------|--------|--------|--------|--------|--------|
| SKY COVER.....    | CLOUDY | CLOUDY | CLOUDY | CLOUDY | CLOUDY | CLOUDY |
| WEATHER COV.....  | S      | CHC    | LIKELY | LIKELY | LIKELY | LIKELY |
| WEATHER TYPE....  | RNSHWR | RNSHWR | RNSHWR | RNSHWR | RNSHWR | RNSHWR |
| TEMP.....         | 60     | 61     | 68     | 73     | 76     | 77     |
| RH.....           | 100    | 100    | 84     | 68     | 62     | 60     |
| 20 FT WIND DIR..  | SE     | SE     | S      | S      | S      | S      |
| 20 FT WIND SPD..  | 2      | 3      | 5      | 6      | 8      | 8      |
| 20 FT WIND GUST.. |        | 5      | 10     | 10     | 15     | 15     |
| MIX HGT (FT)....  | 500    | 900    | 2000   | 5100   | 6400   | 5100   |
| MIX HGT (M).....  | 150    | 270    | 610    | 1550   | 1950   | 1550   |
| TRANSPORT WIND..  | S 9    | S 9    | S 10   | S 13   | S 15   | S 17   |
| TRAN WIND (M/S).. | S 4    | S 4    | S 4    | S 6    | S 7    | S 8    |

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FORECASTER...MAXIE  
REQUESTED BY...JAY BOYKIN  
TYPE OF REQUEST...PRESCRIBED  
.TAG 20160420.DESOT.01/JAN

**NWS New Orleans:**

SPOT FORECAST FOR DESOTO 1550...USDA FOREST SERVICE  
NATIONAL WEATHER SERVICE NEW ORLEANS LA  
743 AM CDT WED APR 20 2016

IF CONDITIONS BECOME UNREPRESENTATIVE...CONTACT THE NATIONAL WEATHER  
SERVICE.

.DISCUSSION...AN UPPER LEVEL TROUGH WILL BRING A CHANCE OF SHOWERS AND  
THUNDERSTORMS TO THE AREA...MAINLY NORTH AND WEST OF THE TIDAL  
LAKES TODAY. AS A FRONT ASSOCIATED WITH THE UPPER LEVEL TROUGH  
APPROACHES THE AREA ON THURSDAY...A BETTER OPPORTUNITY FOR SHOWERS  
AND THUNDERSTORMS WILL OCCUR FROM MIDDAY INTO THE OVERNIGHT HOURS.

.REMARKS...  
THERE IS A CHANCE FOR LIGHT FOG TONIGHT AND TOMORROW MORNING IN YOUR AREA.

.TODAY...

| TIME (CDT)   | 10 AM | NOON | 2 PM | 4 PM |
|--------------|-------|------|------|------|
| SKY (%)      | 66    | 54   | 49   | 46   |
| WEATHER COV  |       |      |      |      |
| WEATHER TYPE | NONE  | NONE | NONE | NONE |
| TEMP         | 68    | 72   | 75   | 77   |
| RH           | 78    | 64   | 54   | 50   |

|                  |          |         |          |
|------------------|----------|---------|----------|
| 20 FT WIND.....  | ESE 4G10 | SE 5G10 | SSE 5G10 |
| MIX HGT (FT).... | 3000     | 4800    | 4900     |
| MIX HGT (M)..... | 910      | 1460    | 1490     |

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|                   |       |      |      |        |
|-------------------|-------|------|------|--------|
| TRANSPORT WIND..  | ESE 6 | SE 7 | SE 8 | SSE 10 |
| TRAN WIND (M/S).. | ESE 3 | SE 3 | SE 4 | SSE 4  |
| DISPERSION.....   | 4     | 4    | 4    | 4      |
| LVORI.....        | 4     | 3    | 2    | 2      |
| CHC OF PCPN (%).. | 10    | 10   | 10   | 10     |
| HRLY RAIN (IN)..  | 0.0   | 0.0  | 0.0  | 0.0    |

. TONIGHT...

|                  |      |      |       |        |      |      |
|------------------|------|------|-------|--------|------|------|
| TIME (CDT)       | 6 PM | 8 PM | 10 PM | MIDNGT | 2 AM | 4 AM |
| SKY (%).....     | 44   | 48   | 48    | 48     | 62   | 62   |
| WEATHER COV..... |      |      |       |        |      |      |
| WEATHER TYPE.... | NONE | NONE | NONE  | NONE   | NONE | NONE |
| TEMP.....        | 77   | 73   | 70    | 68     | 67   | 65   |
| RH.....          | 54   | 64   | 76    | 84     | 87   | 90   |

|                   |          |          |        |        |        |        |
|-------------------|----------|----------|--------|--------|--------|--------|
| 20 FT WIND.....   | SSE 5G10 | SSE 4G10 | SE 3G5 | SE 2G5 | SE 2G5 | SE 2G5 |
| MIX HGT (FT)....  | 2000     | 900      | 300    | 200    | 200    | 300    |
| MIX HGT (M)....   | 610      | 270      | 90     | 60     | 60     | 90     |
| TRANSPORT WIND..  | SSE 12   | SSE 8    | SE 3   | SE 2   | SSE 2  | SE 3   |
| TRAN WIND (M/S).. | SSE 5    | SSE 4    | SE 1   | SE 1   | SSE 1  | SE 1   |
| DISPERSION.....   | 4        | 0        | 0      | 0      | 0      | 0      |
| LVORI.....        | 2        | 3        | 4      | 6      | 6      | 7      |
| CHC OF PCPN (%).. | 10       | 10       | 10     | 10     | 10     | 10     |
| HRLY RAIN (IN)..  | 0.0      | 0.0      | 0.0    | 0.0    | 0.0    | 0.0    |

. THURSDAY...

|                  |      |        |        |        |        |        |
|------------------|------|--------|--------|--------|--------|--------|
| TIME (CDT)       | 6 AM | 8 AM   | 10 AM  | NOON   | 2 PM   | 4 PM   |
| SKY (%).....     | 62   | 84     | 84     | 84     | 85     | 85     |
| WEATHER COV..... |      | CHANCE | CHANCE | CHANCE | CHANCE | CHANCE |

|                      |        |        |        |        |        |
|----------------------|--------|--------|--------|--------|--------|
| WEATHER TYPE....NONE | TSTORM | TSTORM | TSTORM | TSTORM | TSTORM |
| TEMP.....64          | 65     | 69     | 72     | 74     | 75     |

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|                        |        |         |          |          |          |
|------------------------|--------|---------|----------|----------|----------|
| RH.....97              | 97     | 84      | 76       | 71       | 71       |
| 20 FT WIND.....SE 2G5  | SE 2G5 | SE 4G10 | SSE 5G10 | SSE 6G15 | SSE 6G15 |
| MIX HGT (FT)....900    | 1800   | 2700    | 4500     | 4800     | 3500     |
| MIX HGT (M).....270    | 550    | 820     | 1370     | 1460     | 1070     |
| TRANSPORT WIND..SSE 7  | SSE 8  | SSE 9   | SSE 13   | SSE 15   | SSE 16   |
| TRAN WIND (M/S)..SSE 3 | SSE 4  | SSE 4   | SSE 6    | SSE 7    | SSE 7    |
| DISPERSION.....0       | 8      | 8       | 8        | 8        | 8        |
| LVORI.....8            | 6      | 4       | 4        | 3        | 3        |
| CHC OF PCPN (%)..10    | 40     | 40      | 40       | 50       | 50       |
| HRLY RAIN (IN)..0.08   | 0.08   | 0.08    | 0.08     | 0.08     | 0.08     |

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FORECASTER...NWS NEW ORLEANS  
 REQUESTED BY...JAY BOYKIN  
 TYPE OF REQUEST...PRESCRIBED  
 .TAG 20160420.DESOT.01/LIX

**NWS Mobile:**

FNUS74 KMOB 202115

FWSMOB

SPOT FORECAST FOR DESOTO 15512...US FOREST SERVICE

NATIONAL WEATHER SERVICE MOBILE AL

415 PM CDT WED APR 20 2016

FORECAST IS BASED ON IGNITION TIME OF 1620 CDT ON APRIL 20.

IF CONDITIONS BECOME UNREPRESENTATIVE...CONTACT THE NATIONAL WEATHER SERVICE.

.DISCUSSION...A SURFACE RIDGE SHIFTING TO OFF THE EAST COAST WILL WORK

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WITH AN APPROACHING WEAK SURFACE BOUNDARY TO CREATE A MORE ORGANIZED  
SOUTHEAST TO SOUTHERLY FLOW TONIGHT.

FOG POTENTIAL AND OTHER REMARKS...PATCHY LIGHT FOG IS EXPECTED TO DEVELOP  
OVER THE BURN SITE TONIGHT.

\* NOTE - SUPPLIED OBSERVATION OF 8 MILES FROM BURN SITE. FORECAST MAY BE  
APPLICABLE TO BURN SITE AS A RESULT. \*

.TONIGHT...

SKY/WEATHER.....PARTLY CLOUDY (40-50 PERCENT) THEN BECOMING  
MOSTLY CLOUDY (65-75 PERCENT).

MIN TEMPERATURE.....AROUND 58.

MAX HUMIDITY.....100 PERCENT.

WIND (20 FT).....SOUTH WINDS 5 TO 6 MPH EARLY IN THE EVENING  
BECOMING LIGHT.

MIXING HEIGHT.....3900 FT AGL DECREASING TO 300 FT AGL.

MIXING WINDS.....SOUTH 9 TO 12 MPH BECOMING SOUTH-SOUTHEAST 4 TO  
6 MPH IN THE LATE EVENING AND OVERNIGHT.

DISPERSION INDEX....74 DECREASING TO 4.

LVORI.....1 INCREASING TO 10.

STABILITY CLASS.....B BECOMING F UNTIL EARLY MORNING...THEN  
BECOMING D LATE IN THE NIGHT.

TIME (CDT)      6 PM    8 PM    10 PM    MIDNGT 2 AM    4 AM

SKY (%).....43      47      54      61      70      80

WEATHER COV.....

WEATHER TYPE.....NONE    NONE    NONE    NONE    NONE    NONE

|                    |    |    |    |    |    |     |
|--------------------|----|----|----|----|----|-----|
| TEMP.....          | 78 | 71 | 65 | 61 | 60 | 59  |
| RH.....            | 41 | 63 | 81 | 93 | 96 | 100 |
| 20 FT WIND DIR.... | S  | S  | S  | S  | S  | SE  |

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|                       |      |      |     |     |     |     |
|-----------------------|------|------|-----|-----|-----|-----|
| 20 FT WIND SPD....    | 6    | 4    | 2   | 2   | 2   | 1   |
| 20 FT WIND GUST...    |      |      |     |     |     |     |
| MIX HGT (FT).....     | 3900 | 2400 | 900 | 700 | 500 | 300 |
| MIX HGT (M).....      | 1190 | 730  | 270 | 210 | 150 | 90  |
| TRANSP WIND DIR...SSE | S    | S    | S   | S   | S   | SE  |
| TRANSP WIND SPD...12  | 9    | 6    | 6   | 5   | 5   | 3   |
| TRANS SPD (M/S)...5   | 4    | 3    | 3   | 2   | 2   | 1   |
| DISPERSION.....       | 40   | 6    | 2   | 2   | 2   | 2   |
| LVORI.....            | 1    | 3    | 6   | 6   | 8   | 10  |
| STABILITY CLASS...B   | F    | F    | F   | F   | F   | D   |
| CWR.....              | 10   | 10   | 10  | 10  | 10  | 10  |

. THURSDAY...

SKY/WEATHER.....CLOUDY (85-95 PERCENT). CHANCE OF SHOWERS AND THUNDERSTORMS IN THE MORNING. RAIN SHOWERS AND THUNDERSTORMS LIKELY IN THE AFTERNOON.

MAX TEMPERATURE.....AROUND 80.

MIN HUMIDITY.....49 PERCENT.

WIND (20 FT).....LIGHT WINDS BECOMING SOUTH 6 TO 8 MPH IN THE LATE MORNING AND AFTERNOON. GUSTY AND ERRATIC WINDS EXPECTED NEAR THUNDERSTORMS.

MIXING HEIGHT.....300 FT AGL INCREASING TO 4800 FT AGL.

MIXING WINDS.....SOUTH-SOUTHEAST 4 TO 6 MPH INCREASING TO SOUTH 10 TO 14 MPH IN THE LATE MORNING AND AFTERNOON.

DISPERSION INDEX....4 INCREASING TO 31 LATE IN THE MORNING...THEN INCREASING TO 58 EARLY IN THE AFTERNOON DECREASING TO 43 LATE IN THE AFTERNOON.

LVORI.....10 DECREASING TO 1.

STABILITY CLASS.....D BECOMING B EARLY IN THE MORNING...THEN

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BECOMING C IN THE LATE MORNING AND AFTERNOON.

| TIME (CDT)           | 6 AM | 8 AM   | 10 AM  | NOON   | 2 PM   | 4 PM   |
|----------------------|------|--------|--------|--------|--------|--------|
| SKY (%).....         | 90   | 94     | 90     | 87     | 87     | 89     |
| WEATHER COV.....     |      | CHANCE | CHANCE | CHANCE | LIKELY | LIKELY |
| WEATHER TYPE.....    | NONE | RNSHWR | RNSHWR | RNSHWR | RNSHWR | RNSHWR |
| TEMP.....            | 58   | 63     | 72     | 78     | 80     | 79     |
| RH.....              | 100  | 90     | 68     | 54     | 51     | 50     |
| 20 FT WIND DIR....   | SSE  | SSE    | SSE    | S      | S      | S      |
| 20 FT WIND SPD....   | 1    | 2      | 3      | 6      | 7      | 7      |
| 20 FT WIND GUST...   |      |        |        |        |        |        |
| MIX HGT (FT).....    | 300  | 700    | 2800   | 3800   | 4800   | 4800   |
| MIX HGT (M).....     | 90   | 210    | 850    | 1160   | 1460   | 1460   |
| TRANSP WIND DIR...SE | SSE  | S      | S      | S      | S      | S      |
| TRANSP WIND SPD...3  | 6    | 10     | 10     | 14     | 14     |        |
| TRANS SPD (M/S)...1  | 3    | 4      | 4      | 6      | 6      |        |
| DISPERSION.....2     | 5    | 31     | 41     | 58     | 43     |        |
| LVORI.....10         | 6    | 2      | 2      | 1      | 1      |        |
| STABILITY CLASS...D  | B    | C      | C      | C      | C      |        |
| CWR.....10           | 30   | 30     | 30     | 60     | 60     |        |

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FORECASTER...16

REQUESTED BY...RODNEY LANDRUM

TYPE OF REQUEST...PRESCRIBED

.TAG 20160420.DESOT.02/MOB

## Appendix VI NFDRS Forecast Examples

Fire Weather NFDRS Forecast Examples:

## NWS Specific

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### WFO Memphis:Issued once a day

FNUS84 KMEG 282051

FWMMEG

FCST,032801,161129,13,1,66,50,3,2,SSW,12,,66,47,96,50,5,0,N  
FCST,034503,161129,13,1,68,49,3,2,SSW,12,,68,47,96,49,5,0,N  
FCST,220202,161129,13,1,69,49,5,3,SSW,09,,69,49,100,49,6,0,N  
FCST,220601,161129,13,1,72,45,5,5,SSW,10,,72,51,100,44,9,0,N  
FCST,221502,161129,13,1,74,41,5,5,SSW,10,,74,52,100,41,9,0,N  
FCST,221602,161129,13,1,73,41,5,5,SSW,10,,73,51,100,41,9,0,N  
FCST,222101,161129,13,1,72,42,5,5,SSW,09,,72,50,100,42,6,0,N  
FCST,222401,161129,13,1,75,43,5,5,SSW,09,,75,52,100,43,9,0,N  
FCST,401801,161129,13,1,67,52,3,2,SSW,09,,67,46,100,52,6,0,N  
FCST,403801,161129,13,1,66,54,3,2,SSW,11,,66,47,100,54,6,0,N  
FCST,404001,161129,13,1,67,52,5,2,SSW,08,,67,47,100,52,8,0,N  
FCST,408001,161129,13,1,69,49,5,3,SSW,10,,69,47,100,49,7,0,N

### WFO Jackson:Issued once a day

FNUS84 KJAN 282149

FWMJAN

FCST,226102,161129,13,2,80,59,5,5,S,04,,81,59,100,58,9,0,N  
FCST,225502,161129,13,1,78,53,5,5,SSW,06,,78,55,100,52,9,0,N  
FCST,223301,161129,13,1,76,45,5,5,SSW,08,,76,52,100,45,6,0,N  
FCST,224403,161129,13,1,77,48,5,5,SSW,11,,78,53,100,47,9,0,N  
FCST,227202,161129,13,2,79,63,5,5,S,04,,80,60,100,60,9,0,N



FCST,225101,161129,13,1,79,50,5,5,SSW,05,,79,56,100,49,10,0,N

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FCST,224101,161129,13,1,77,45,5,5,SSW,06,,78,54,100,43,9,0,N

FCST,037403,161129,13,1,75,37,5,2,SSW,06,,75,49,100,37,5,0,N

FCST,226502,161129,13,1,81,55,5,5,S,05,,81,59,100,52,9,0,N

FCST,223501,161129,13,1,77,40,5,5,SSW,09,,77,52,100,40,8,0,N

FCST,224201,161129,13,1,76,46,5,5,SSW,08,,76,52,100,45,6,0,N

FCST,225301,161129,13,1,79,56,5,5,S,08,,79,59,100,53,7,0,N

FCST,224601,161129,13,1,79,45,5,5,SSW,08,,80,55,100,45,10,0,N

FCST,227401,161129,13,2,80,64,5,5,S,08,,80,63,100,50,8,0,N

### **WFO New Orleans:Issued once a day**

**FNUS84 KLIX 282056**

**FWMLIX**

FCST,168541,161129,13,2,77,69,4,4,S,08,M,78,65,93,64,0,0,N

FCST,228002,161129,13,2,78,69,4,4,S,08,M,78,64,100,69,0,0,N

FCST,228202,161129,13,2,76,76,4,4,S,09,M,76,65,97,64,0,0,N

FCST,228290,161129,13,2,78,71,4,4,S,09,M,78,65,97,66,0,0,N

FCST,228204,161129,13,2,76,76,3,4,S,10,M,76,66,93,62,0,0,N

FCST,227001,161129,13,2,79,56,4,4,S,05,M,79,58,97,56,0,0,N

### **WFO Mobile:Issued once a day**

**FNUS84 KMOB 282143**

**FWMMOB**

FCST,015902,161129,13,2,81,65,3,4,SSW,11,M,81,66,97,47,0,0,N

FCST,016301,161129,13,2,81,65,3,5,SSW,10,M,81,66,93,46,6,2,N

FCST,016703,161129,13,2,75,84,4,5,SSW,14,M,76,68,97,67,8,0,N

FCST,089908,161129,13,2,78,76,4,5,S,11,M,78,67,97,60,8,2,N

FCST,089912,161129,13,2,79,72,3,3,S,12,M,79,67,93,52,0,0,N

FCST,089913,161129,13,2,80,69,3,5,S,13,M,80,67,93,56,6,0,N

FCST, 226702, 161129, 13, 2, 80, 60, 5, 5, S, 09, M, 80, 59, 100, 60, 9, 0, N  
 FCST, 227802, 161129, 13, 2, 79, 69, 5, 5, S, 09, M, 79, 63, 100, 65, 9, 0, N  
 FCST, 227601, 161129, 13, 2, 79, 69, 5, 5, S, 09, M, 79, 62, 100, 62, 11, 0, N

## Appendix VII

### Fire Weather Fire Weather Matrix Forecast Example:

#### NWS Specific:

#### NWS Memphis for Tupelo Raws site

MSZ016-291000-

TUPELO RAWS SITE-LEE MS

34.33N 88.71W ELEV. 270 FT

324 PM CST MON NOV 28 2016

| DATE         | 11/28/16 |     |    |     |     | TUE 11/29/16 |    |    |    |    | WED 11/30/16 |     |    |    |    | THU   |    |    |    |    |    |    |  |  |  |    |  |  |  |  |
|--------------|----------|-----|----|-----|-----|--------------|----|----|----|----|--------------|-----|----|----|----|-------|----|----|----|----|----|----|--|--|--|----|--|--|--|--|
| UTC 3HRLY    | 21       | 00  | 03 | 06  | 09  | 12           | 15 | 18 | 21 | 00 | 03           | 06  | 09 | 12 | 15 | 18    | 21 | 00 | 03 | 06 | 09 | 12 |  |  |  |    |  |  |  |  |
| CST 3HRLY    | 15       | 18  | 21 | 00  | 03  | 06           | 09 | 12 | 15 | 18 | 21           | 00  | 03 | 06 | 09 | 12    | 15 | 18 | 21 | 00 | 03 | 06 |  |  |  |    |  |  |  |  |
| MIN/MAX TEMP |          |     |    |     |     | 51           |    |    |    |    | 74           |     |    |    |    | 52    |    |    |    |    | 63 |    |  |  |  | 36 |  |  |  |  |
| TEMP         | 60       | 57  | 55 | 53  | 51  | 60           | 71 | 74 | 65 | 59 | 56           | 54  | 52 | 56 | 61 | 63    | 53 | 46 | 42 | 39 | 36 |    |  |  |  |    |  |  |  |  |
| DEWPT        | 58       | 57  | 54 | 53  | 51  | 53           | 49 | 47 | 50 | 53 | 55           | 54  | 50 | 48 | 41 | 35    | 35 | 35 | 33 | 32 | 31 |    |  |  |  |    |  |  |  |  |
| MIN/MAX RH   |          |     |    |     |     | 100          |    |    |    |    | 38           |     |    |    |    | 100   |    |    |    |    | 35 |    |  |  |  | 85 |  |  |  |  |
| RH           | 93       | 100 | 96 | 100 | 100 | 78           | 46 | 38 | 58 | 80 | 96           | 100 | 93 | 74 | 48 | 35    | 50 | 65 | 70 | 76 | 82 |    |  |  |  |    |  |  |  |  |
| WIND DIR     | SW       | SW  | SW | S   | S   | S            | SW | SW | S  | S  | S            | SW  | W  | W  | W  | W     | W  | W  | NW | W  | W  |    |  |  |  |    |  |  |  |  |
| WIND SPD     | 17       | 9   | 5  | 4   | 6   | 9            | 12 | 10 | 5  | 5  | 6            | 6   | 4  | 6  | 11 | 11    | 5  | 4  | 4  | 3  | 4  |    |  |  |  |    |  |  |  |  |
| CLOUDS       | OV       | OV  | SC | B1  | SC  | SC           | FW | SC | B2 | B2 | OV           | OV  | B1 | B1 | SC | SC    | FW | FW | FW | FW | CL |    |  |  |  |    |  |  |  |  |
| CLOUDS(%)    | 100      | 90  | 39 | 54  | 47  | 26           | 20 | 29 | 72 | 86 | 97           | 100 | 59 | 55 | 43 | 36    | 20 | 12 | 9  | 8  | 2  |    |  |  |  |    |  |  |  |  |
| POP 12HR     |          |     |    |     |     | 80           |    |    |    |    | 10           |     |    |    |    | 90    |    |    |    |    | 20 |    |  |  |  | 5  |  |  |  |  |
| QPF 12HR     |          |     |    |     |     | 0.15         |    |    |    |    | 0            |     |    |    |    | 0.85  |    |    |    |    | 0  |    |  |  |  | 0  |  |  |  |  |
| RAIN SHWRS   | 0 SC     |     |    |     |     |              |    |    |    |    | 0 0 0 0      |     |    |    |    | IS IS |    |    |    |    |    |    |  |  |  |    |  |  |  |  |

TSTMS 0 0 0 0 0

OBVIS PF PF

T WIND DIR S SW SW SW S S SW SW S S S S W W W W W W W W SW

-53-

T WIND SPD 33 8 4 10 4 11 27 24 3 4 13 14 10 13 24 19 6 5 4 3 3

MIXHGT M AGL 363 325 1298 1576 109 198 1520 1619 28 1

MIXHGT FT AGL 1191 1066 4259 5170 357 651 4987 5313 91 3

MIXHGT M MSL 453 414 1387 1665 204 287 1614 1715 117 88

MIXHGT FT MSL 1486 1358 4551 5464 669 943 5294 5625 383 290

TRANSWIND DIR SW SW S SW S SW W W W W

TWIND SPD M/S 4 3 7 8 3 6 7 7 2 1

TWIND SPD MPH 10 8 16 18 6 13 16 16 5 3

VENT INDEX 2680 13320 1148 13720 244

CATEGORY DAY 2 4 1 4 1

500M MIXHGT T 68 67 70 75 75 68 63 58 53 50

500M TWND DIR SW SW SW SW S SW W W W NW

500M TWND M/S 8 6 9 9 10 10 8 8 7 6

500M TWND MPH 19 14 20 21 23 24 18 18 16 14

DISPERSION 28 19 74 62 12 20 65 53 4 4

LAL 5 1 1 5 5 5 1 1 1 1

LASI 3 5 5 4 3 3 5 5 5 5

STABILITY E F C C D D C D F E

STAG INDEX 3 3 3 3 3

DATE 12/01/16 FRI 12/02/16 SAT 12/03/16 SUN 12/04/16 MON 12/05/16

UTC 6HRLY 18 00 06 12 18 00 06 12 18 00 06 12 18 00 06 12 18 00

CST 6HRLY 12 18 00 06 12 18 00 06 12 18 00 06 12 18 00 06 12 18

MAX/MIN TEMP 57 33 58 36 53 41 56 38 57

TEMP 53 48 38 33 53 50 41 36 50 48 44 41 53 49 42 38 53 51

DEWPT 29 30 30 29 30 31 32 32 33 34 38 39 41 39 38 36 36 36

RH 39 49 73 85 41 48 70 85 52 58 79 92 64 68 86 92 52 56

|          |     |     |     |     |     |     |     |     |     |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| WIND DIR | W   | NW  | N   | NE  | NE  | E   | SE  | W   | SW  |
| WIND SPD | <15 | <15 | <15 | <15 | <15 | <15 | <15 | <15 | <15 |

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|            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| AVG CLOUDS | CL | CL | CL | FW | FW | FW | FW | SC | B1 | B1 | OV | OV | OV | B2 | B1 | FW | SC | SC |
| POP 12HR   | 5  |    |    | 0  |    |    | 5  | 20 |    |    | 30 | 50 |    |    | 40 | 20 |    | 30 |
| RAIN SHWRS |    |    |    |    |    |    | IS | IS | SC | SC | SC | SC | SC | SC | IS | IS | SC | SC |

### NWS Jackson: Fire Matrix Forecast for Adams County

FOUS54 KJAN 282149

AFWJAN

ZONE FIRE WEATHER MATRIX

NATIONAL WEATHER SERVICE JACKSON MS

348 PM CST MON NOV 28 2016

MSZ060-291000-

ADAMS-

348 PM CST MON NOV 28 2016

FOUS54 KJAN 282149

AFWJAN

ZONE FIRE WEATHER MATRIX

NATIONAL WEATHER SERVICE JACKSON MS

348 PM CST MON NOV 28 2016

MSZ060-291000-

ADAMS-

348 PM CST MON NOV 28 2016

|           |          |    |    |    |    |    |    |    |    |    |    |              |    |    |    |    |     |    |    |
|-----------|----------|----|----|----|----|----|----|----|----|----|----|--------------|----|----|----|----|-----|----|----|
| DATE      | 11/28/16 |    |    |    |    |    |    |    |    |    |    | TUE 11/29/16 |    |    |    |    | WED |    |    |
| CST 2HRLY | 15       | 17 | 19 | 21 | 23 | 01 | 03 | 05 | 07 | 09 | 11 | 13           | 15 | 17 | 19 | 21 | 23  | 01 | 03 |

|             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| SKY         | MC | PC | PC | ML | ML | ML | ML | ML | ML | ML | ML | ML | PC | MC | CD | CD | CD | CD | CD |
| WEATHER COV | DE | LK | CH | CH | CL | CL | AR | AR | CL | CL | CL | CH | CH | LK | DE | DE | DE | DE | DE |

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|               |    |    |    |    |    |     |     |    |    |    |    |    |    |    |    |    |    |    |    |  |
|---------------|----|----|----|----|----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|--|
| WEATHER TYPE  | TS | TS | TS | TS | CL | CL  | FG  | FG | CL | CL | CL | CL | TS | TS | TS | TS | TS | TS | TS |  |
| TEMP          | 70 | 67 | 65 | 63 | 61 | 60  | 57  | 58 | 64 | 71 | 75 | 75 | 68 | 68 | 69 | 66 | 62 | 58 |    |  |
| RH            | 89 | 85 | 89 | 90 | 97 | 100 | 100 | 98 | 87 | 70 | 63 | 65 | 85 | 90 | 91 | 97 | 99 | 96 |    |  |
| 20FT DIR      | SW | N  | SW | S  | S  | S   | S   | S  | S  | S  | S  | S  | S  | S  | S  | SW | SW | W  |    |  |
| 20FT SPD      | 14 | 9  | 6  | 6  | 5  | 5   | 5   | 5  | 6  | 8  | 9  | 9  | 8  | 6  | 8  | 8  | 7  | 5  |    |  |
| 20FT GUST     | 24 | 17 | 10 | 10 | 8  | 8   | 7   | 8  | 12 | 14 | 16 | 18 | 14 | 10 | 13 | 14 | 12 | 8  |    |  |
| MIX HGT (HFT) | 14 | 10 | 7  | 5  | 4  | 4   | 3   | 4  | 8  | 20 | 32 | 35 | 20 | 9  | 10 | 10 | 10 | 9  |    |  |
| MIX HGT (HM)  | 4  | 3  | 2  | 1  | 1  | 1   | 1   | 1  | 2  | 6  | 9  | 10 | 6  | 2  | 3  | 3  | 3  | 2  |    |  |
| TRAN DIR      | S  | S  | SW | SW | SW | SW  | S   | S  | S  | S  | S  | SW | S  | S  | S  | S  | SW | W  |    |  |
| TRAN SP (MPH) | 35 | 25 | 13 | 16 | 14 | 6   | 8   | 9  | 10 | 17 | 21 | 23 | 14 | 12 | 16 | 23 | 21 | 12 |    |  |
| TRAN SP (M/S) | 15 | 11 | 6  | 7  | 6  | 3   | 3   | 4  | 4  | 7  | 9  | 10 | 6  | 5  | 7  | 10 | 9  | 5  |    |  |
| LVORI         | 4  | 4  | 5  | 5  | 6  | 9   | 9   | 7  | 5  | 2  | 1  | 1  | 3  | 5  | 5  | 5  | 6  | 6  |    |  |
| FWDI          | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |    |  |

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**NWS New Orleans for Pike Raws site**

FOUS54 KLIX 280146

PFWLIX

FIRE WEATHER POINT FORECAST MATRICES

NATIONAL WEATHER SERVICE NEW ORLEANS LA

846 PM CDT THU OCT 27 2016

**.DISCUSSION...**

HIGH PRESSURE WILL SETTLE BACK INTO THE AREA ON FRIDAY AND

REMAIN IN PLACE THROUGH THE MIDDLE OF NEXT WEEK. AFTERNOON

RELATIVE HUMIDITIES WILL FALL BACK INTO THE 30-40 PERCENT RANGE

THROUGH THE WEEKEND.

...REMARKS...

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NOTES FOR SPOT FCST REQUEST ONE OF OUR MAIN CONCERNS FOR TONIGHT AND TOMORROW MORNING IS THE POSSIBILITY OF SMOKE MIXING WITH FOG TO OBSTRUCT VISIBILITY IN URBAN AREAS TO THE NORTH, AND ALONG HIGHWAY 190.

MSZ070-281045-

PIKE-NORTHERN PIKE COUNTY MS-ELEV 366 FT

31.19N 90.48W ELEV. 366 FT

846 PM CDT THU OCT 27 2016

| DATE         | 10/27/16  | FRI 10/28/16 | SAT 10/29/16 | SUN |
|--------------|---|--------------|--------------|-----|
| UTC 3HRLY    | 21 00 03 06 09 12 15 18 21 00 03 06 09 12 15 18 21 00 03 06 09 12 |              |              |     |
| CDT 3HRLY    | 16 19 22 01 04 07 10 13 16 19 22 01 04 07 10 13 16 19 22 01 04 07 |              |              |     |
| MIN/MAX      |   | 58 84        | 56 85        | 55  |
| TEMP         | 64 61 59 58 73 81 84 70 63 59 57 56 72 82 85 71 62 58 56 55       |              |              |     |
| DEWPT        | 60 60 59 58 62 59 58 59 59 58 57 56 60 57 56 58 57 58 56 55       |              |              |     |
| MAX/MIN RH   |   | 100 41       | 100 37       | 100 |
| RH           | 87 96 99100 70 47 41 68 88 96 99100 65 43 37 65 84 99 99100       |              |              |     |
| WIND DIR     | SE S NE NE NE E SE S S S S E E SE S S S S S SW                    |              |              |     |
| WIND DIR DEG | 12 17 03 02 05 11 14 15 18 19 19 07 10 14 17 18 18 19 16 21       |              |              |     |
| WIND SPD     | 2 1 1 2 2 4 4 2 2 1 0 0 3 4 4 1 2 1 1 0                           |              |              |     |
| CLOUDS       | FW CL CL SC CL FW FW FW FW CL CL CL CL CL CL CL CL CL CL          |              |              |     |
| CLOUDS(%)    | 11 5 3 29 5 22 10 6 6 5 5 5 5 5 5 5 5 5 5 5                       |              |              |     |
| VSBY         | 7 5 2 1 7 7 7   |              |              |     |
| POP 12HR     |   | 5 0          | 0 0          | 0   |
| QPF 12HR     |   | 0 0          | 0 0          | 0   |
| RAIN SHWRS   |   |              |              |     |
| TSTMS        |   |              |              |     |

|         |   |     |      |      |     |     |      |      |   |   |   |
|---------|---|-----|------|------|-----|-----|------|------|---|---|---|
| OBVIS   | F | F   | F    |      |     |     |      |      |   |   |   |
| LAL     |   | 1   | 1    | 1    | 1   | 1   | 1    | 1    | 1 | 1 | 1 |
| MIX HGT |   | 200 | 5300 | 5700 | 500 | 100 | 5200 | 5800 |   |   |   |

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|            |             |              |                |                |             |             |             |             |             |             |
|------------|-------------|--------------|----------------|----------------|-------------|-------------|-------------|-------------|-------------|-------------|
| T WIND DIR |             | SE           | E              | SE             | SE          | E           | SE          | S           |             |             |
| T WIND SPD |             | 2            | 6              | 5              | 3           | 2           | 6           | 5           |             |             |
| ADI        |             | 2            | 27             | 26             | 2           | 2           | 25          | 24          |             |             |
| MAX LVORI  |             | 10           | 5              | 3              | 9           | 10          | 5           | 2           |             |             |
| STABILITY  |             | F            | B              | B              | F           | F           | B           | B           | F           | F           |
| DATE       | 10/30 MON   | 10/31/16 TUE | 11/01/16 WED   | 11/02/16 THU   | 11/03/16    |             |             |             |             |             |
| UTC 6HRLY  | 18 00 06 12 | 18 00 06 12  | 18 00 06 12    | 18 00 06 12    | 18 00 06 12 | 18 00 06 12 | 18 00 06 12 | 18 00 06 12 | 18 00 06 12 | 18 00 06 12 |
| CDT 6HRLY  | 13 19 01 07 | 13 19 01 07  | 13 19 01 07    | 13 19 01 07    | 13 19 01 07 | 13 19 01 07 | 13 19 01 07 | 13 19 01 07 | 13 19 01 07 | 13 19 01 07 |
| MAX/MIN    | 86 56       | 86 58        | 84 59          | 83 58          | 82          |             |             |             |             |             |
| TEMP       | 82 71 60 56 | 82 72 61 58  | 81 72 62 59    | 80 71 61 58    | 79 71       |             |             |             |             |             |
| DEWPT      | 56 58 56 55 | 54 57 57 57  | 58 60 61 59    | 60 59 60 59    | 61 58 63 61 |             |             |             |             |             |
| MIN/MAX RH | 37 97       | 35 96        | 43 100         | 45 100         | 51          |             |             |             |             |             |
| RH         | 41 63 89 97 | 38 59 85 96  | 46 67 96 100   | 50 67 100 100  | 58 70       |             |             |             |             |             |
| WIND DIR   | SE S SW W   | SE S S E     | SE SE SE E     | SE SE SE E     | SE SE SE    |             |             |             |             |             |
| WIND SPD   | 3 3 3 1     | 3 3 3 3      | 4 4 2 3        | 6 4 2 3        | 4 3         |             |             |             |             |             |
| AVG CLOUDS | CL CL CL CL | CL CL FW FW  | SC SC SC FW SC | SC SC SC SC SC | SC B1       |             |             |             |             |             |
| POP 12HR   | 0 0         | 5 5          | 10 10          | 10 10          | 20          |             |             |             |             |             |
| RAIN SHWRS |             |              |                |                | S S         |             |             |             |             |             |
| TSTMS      |             |              |                |                | S S         |             |             |             |             |             |

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## Appendix IX

### HWO Fire Weather as well as Regional and Statewide Graphic Example:

#### NWS Specific

In times when wildfire activity or potential fire danger from dry conditions is expected to threaten lives or property, NWS offices are encouraged to issue Special Weather Statements under the heading of Hazardous Weather Outlook. The decision of when to issue this product is left to the discretion of each forecaster as well as local NWS office policies.

# NWS Memphis

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## HAZARDOUS WEATHER OUTLOOK

NATIONAL WEATHER SERVICE MEMPHIS TN

435 AM CDT SUN OCT 9 2016

ARZ008-009-017-018-026>028-035-036-048-049-058-MOZ113-115-

MSZ001>017-020>024-TNZ001>004-019>022-048>055-088>092-101100-

ALCORN-BENTON MS-BENTON TN-CALHOUN-CARROLL-CHESTER-CHICKASAW-CLAY-

COAHOMA-CRAIGHEAD-CRITTENDEN-CROCKETT-CROSS-DESOTO-DECATUR-

DUNKLIN-DYER-FAYETTE-GIBSON-GREENE-HARDEMAN-HARDIN-HAYWOOD-

HENDERSON-HENRY-ITAWAMBA-LAFAYETTE-LAKE-LAUDERDALE-LAWRENCE-

LEE AR-LEE MS-MADISON-MARSHALL-MCNAIRY-MISSISSIPPI-MONROE-OBION-

PANOLA-PEMISCOT-PHILLIPS-POINSETT-PONTOTOC-PRENTISS-QUITMAN-

RANDOLPH-SHELBY-ST. FRANCIS-TALLAHATCHIE-TATE-TIPPAH-TIPTON-

TISHOMINGO-TUNICA-UNION-WEAKLEY-YALOBUSHA-

435 AM CDT SUN OCT 9 2016

THIS HAZARDOUS WEATHER OUTLOOK IS FOR PORTIONS OF EAST ARKANSAS...

THE MISSOURI BOOTHEEL...NORTH MISSISSIPPI...AND WEST TENNESSEE.

.DAY ONE...TODAY AND TONIGHT

THE COMBINATION OF GUSTY WINDS...LOW RELATIVE HUMIDITIES...AND

VERY DRY FUELS WILL RESULT IN ELEVATED TO CRITICAL FIRE WEATHER

CONDITIONS ACROSS THE MID SOUTH THIS AFTERNOON. A RED FLAG WARNING

IS IN EFFECT THROUGH 7 PM THIS EVENING.

BURN BANS FOR THE MAJORITY OF NORTH MISSISSIPPI COUNTIES AND LEE

COUNTY IN EAST CENTRAL ARKANSAS WILL REMAIN IN EFFECT THROUGH AT

LEAST THE END OF NEXT WEEK. FOR MORE DETAILS...PLEASE SEE THE FIRE

WEATHER NOTIFICATION ON OUR WEBPAGE AND CHECK THE MISSISSIPPI

FORESTRY COMMISSION WEBSITE FOR THE LATEST BURN BANS.



.DAYS TWO THROUGH SEVEN...MONDAY THROUGH SATURDAY

THE PROBABILITY FOR WIDESPREAD HAZARDOUS WEATHER IS LOW.

.SPOTTER INFORMATION STATEMENT...

SPOTTER ACTIVATION IS NOT ANTICIPATED AT THIS TIME.

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## NWS Jackson

WFO Jackson uses a four level color coded system for showing potential threat of fire danger due to prolong dry conditions..esp with a Fire Weather Watch or Red Flag Warning in effect. The wording below can be adjusted to any particular fire weather conditions.

**A. Extreme**.....conditions well in excess of Red Flag Warning criteria with strong wind gusts greater than 40 mph. Fires will spread very quickly and wildfires are common. Fire control is very difficult, even for experienced firefighters.

**B. Significant**.....conditions meet minimum Red Flag Warnings criteria. Open burning should not be attempted as fires can quickly escape and become very difficult to control, even for experienced firefighters.

**C. Elevated**....any open burning is discouraged due to increased wind, lower humidity, and/or recent very dry conditions, except by experienced fire personnel. Fires escape control more easily and containment is difficult for inexperienced fire personnel.

**D. Limited**...– extra caution is advised for open burning due to increased wind and lower humidity or very dry conditions.

FLUS44 KJAN 221931

HWOJAN

HAZARDOUS WEATHER OUTLOOK

NATIONAL WEATHER SERVICE JACKSON MS

231 PM CDT SAT OCT 22 2016

-60-

ARZ074-075-LAZ007>009-015-016-023>026-MSZ018-019-025>050-052>054-  
059>062-231100-

ASHLEY-CHICOT-MOREHOUSE-WEST CARROLL-EAST CARROLL-RICHLAND-  
MADISON LA-FRANKLIN LA-CATAHOULA-TENSAS-CONCORDIA-BOLIVAR-  
SUNFLOWER-LEFLORE-GRENADA-CARROLL-MONTGOMERY-WEBSTER-CLAY-LOWNDES-  
CHOCTAW-OKTIBBEHA-WASHINGTON-HUMPHREYS-HOLMES-ATTALA-WINSTON-  
NOXUBEE-ISSAQUENA-SHARKEY-YAZOO-MADISON MS-LEAKE-NESHOBA-KEMPER-  
WARREN-HINDS-RANKIN-SCOTT-LAUDERDALE-CLAIBORNE-COPIAH-JEFFERSON-  
ADAMS-FRANKLIN MS-LINCOLN-  
231 PM CDT SAT OCT 22 2016

THIS HAZARDOUS WEATHER OUTLOOK IS FOR PORTIONS OF SOUTHEAST  
ARKANSAS...NORTHEAST LOUISIANA...CENTRAL MISSISSIPPI...NORTH  
CENTRAL MISSISSIPPI...SOUTH CENTRAL MISSISSIPPI...AND SOUTHWEST  
MISSISSIPPI.

.DAY ONE...TONIGHT AND SUNDAY...

FIRE WEATHER

THREAT...LIMITED

TIMING...THIS AFTERNOON AND AGAIN SUNDAY

VERY DRY CONDITIONS WILL RESULT IN INCREASED FIRE DANGER FOR THE  
REMAINDER OF THIS AFTERNOON, AND AGAIN ON SUNDAY AFTERNOON. PLEASE  
HEED ALL LOCAL BURN BANS, AND USE EXTREME CAUTION WHEN CONDUCTING  
OUTDOOR BURNING.

(WWW.WEATHER.GOV/IMAGES/JAN/GRAPHICAST/IMAGE1.GIF)

(WWW.WEATHER.GOV/IMAGES/JAN/GRAPHICAST/IMAGE2.GIF)

.DAYS TWO THROUGH SEVEN...SUNDAY NIGHT THROUGH FRIDAY...

**-61-**

THE PROBABILITY FOR WIDESPREAD HAZARDOUS WEATHER IS LOW.

.SPOTTER CALL TO ACTION STATEMENT...

THE ACTIVATION OF STORM SPOTTERS...HAM RADIO OPERATORS...AND  
EMERGENCY MANAGEMENT PERSONNEL IN SUPPORT OF SEVERE WEATHER  
OPERATIONS IS NOT EXPECTED THROUGH NEXT FRIDAY.

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MSZ051-055>058-063>066-072>074-231100-

NEWTON-SIMPSON-SMITH-JASPER-CLARKE-LAWRENCE-JEFFERSON DAVIS-

COVINGTON-JONES-MARION-LAMAR-FORREST-

231 PM CDT SAT OCT 22 2016

THIS HAZARDOUS WEATHER OUTLOOK IS FOR PORTIONS OF CENTRAL  
MISSISSIPPI...EAST CENTRAL MISSISSIPPI...SOUTH CENTRAL  
MISSISSIPPI...AND SOUTHEAST MISSISSIPPI.

.DAY ONE...TONIGHT AND SUNDAY...

FIRE WEATHER

THREAT...ELEVATED

TIMING...MAINLY THROUGH THE REST OF THIS AFTERNOON

AN ELEVATED THREAT FOR INCREASED FIRE DANGER EXISTS ACROSS THE  
OUTLOOK AREA FOR THE REMAINDER OF THIS AFTERNOON, AS RELATIVE  
HUMIDITIES THIS AFTERNOON FALL TO AROUND 20 PERCENT. PLEASE HEED ALL  
LOCAL BURN BANS AND OPEN BURNING BY NON-EXPERIENCED FIRE PERSONNEL  
IS DISCOURAGED.

WHILE WINDS WILL BE LESS BREEZY, VERY DRY CONDITIONS WILL RESULT IN

**-62-**

A LIMITED THREAT FOR INCREASED FIRE DANGER SUNDAY AFTERNOON. ONCE  
AGAIN, PLEASE REMEMBER TO HEED ALL LOCAL BURN BANS, AND USE EXTREME  
CAUTION WHEN CONDUCTING OUTDOOR BURNING.

(WWW.WEATHER.GOV/IMAGES/JAN/GRAPHICAST/IMAGE1.GIF)

(WWW.WEATHER.GOV/IMAGES/JAN/GRAPHICAST/IMAGE2.GIF)

.DAYS TWO THROUGH SEVEN...SUNDAY NIGHT THROUGH FRIDAY...

THE PROBABILITY FOR WIDESPREAD HAZARDOUS WEATHER IS LOW.

.SPOTTER CALL TO ACTION STATEMENT...

THE ACTIVATION OF STORM SPOTTERS...HAM RADIO OPERATORS...AND  
EMERGENCY MANAGEMENT PERSONNEL IN SUPPORT OF SEVERE WEATHER  
OPERATIONS IS NOT EXPECTED THROUGH NEXT FRIDAY.

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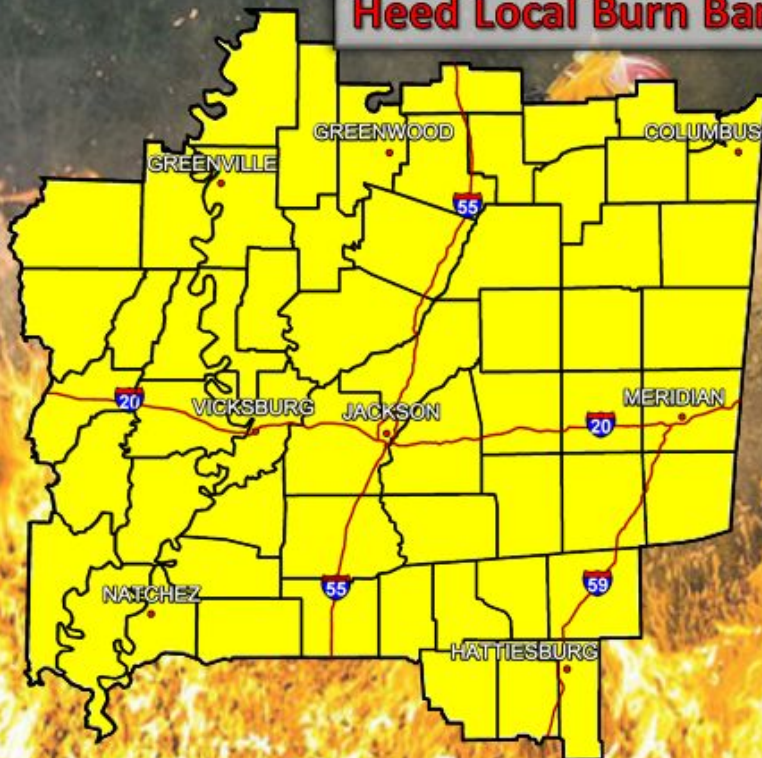
**Below in the following pages are examples of the HWO fire weather graphics.**

# Limited Fire Weather Conditions Sunday

Weather Forecast Office  
Jackson, MS  
Issued December 5, 2016 11:32 AM CDT



## Heed Local Burn Bans!



### Timing:

Low humidity and prolonged drought will maintain fire danger conditions Sunday.

### Limited Threat:

Extra caution is advised for outdoor burning (in the few areas where burn bans are not already in effect).

**DO NOT BURN WHERE BURN BANS ARE IN EFFECT!**

### Precautions:

- Avoid activities that produce open flames or sparks outdoors.
- Dispose of cigarettes properly, not on ground!

Limited

Elevated

Significant

Extreme

# Elevated Fire Danger Conditions

## Saturday and Sunday

Weather Forecast Office  
Jackson, MS  
Issued December 5, 2016 11:35 AM CDT

**Gusty winds and low humidity expected Saturday, while low humidity expected Sunday to help spread fires.**

**Elevated:**  
Open burning is discouraged, except by fire personnel.

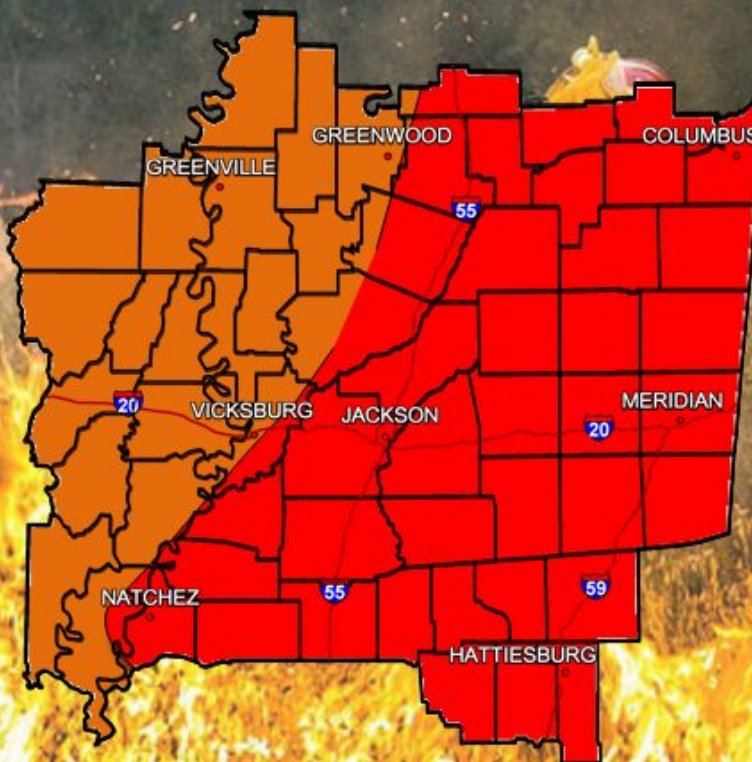
**Heed local burn bans!**

Legend: Limited (Yellow), **Elevated (Orange)**, Significant (Red), Extreme (Purple)

[f](#) [t](#) [v](#) NWSJacksonMS [weather.gov/jan](http://weather.gov/jan)

**Fire Conditions/Red Flag Warning**  
Noon – 6PM

Weather Forecast Office  
Jackson, MS  
Issued December 5, 2016 11:38 AM CDT



**Significant:**  
Open burning shouldn't be attempted as fire can escape control quickly, even for firefighters.

**Elevated:**  
Open burning is discouraged, except by experienced fire personnel.  
**Heed Local Burn Bans!**

**Timing:**  
Saturday

Limited Elevated Significant Extreme

[f](#) [t](#) [v](#) NWSJacksonMS weather.gov/jan

**NWS New Orleans:**

FLUS44 KLIX 192351

HWOLIX

HAZARDOUS WEATHER OUTLOOK

NATIONAL WEATHER SERVICE NEW ORLEANS LA

551 PM CST SAT NOV 19 2016

GMZ530-532-534-536-538-550-552-555-557-570-572-575-577-LAZ034>037-

039-040-046>050-056>072-MSZ068>071-077-080>082-201200-

LAKE PONTCHARTRAIN AND LAKE MAUREPAS-MISSISSIPPI SOUND-

LAKE BORGNE-CHANDELEUR SOUND-BRETON SOUND-

COASTAL WATERS FROM PORT FOURCHON LA TO LOWER ATCHAFALAYA RIVER

LA OUT 20 NM-

COASTAL WATERS FROM THE SOUTHWEST PASS OF THE MISSISSIPPI RIVER

TO PORT FOURCHON LOUISIANA OUT 20 NM-

COASTAL WATERS FROM BOOTHVILLE LA TO SOUTHWEST PASS OF THE

MISSISSIPPI RIVER OUT 20 NM-

COASTAL WATERS FROM PASCAGOULA MISSISSIPPI TO STAKE ISLAND OUT

20 NM-

COASTAL WATERS FROM PORT FOURCHON LOUISIANA TO LOWER ATCHAFALAYA

RIVER LA FROM 20 TO 60 NM-

COASTAL WATERS FROM SOUTHWEST PASS OF THE MISSISSIPPI RIVER TO

PORT FOURCHON LOUISIANA FROM 20 TO 60 NM-

COASTAL WATERS FROM STAKE ISLAND LA TO SOUTHWEST PASS OF THE

MISSISSIPPI RIVER FROM 20 TO 60 NM-

COASTAL WATERS FROM PASCAGOULA MISSISSIPPI TO STAKE ISLAND

LOUISIANA OUT 20 TO 60 NM-POINTE COUPEE-WEST FELICIANA-

EAST FELICIANA-ST. HELENA-WASHINGTON-ST. TAMMANY-IBERVILLE-

WEST BATON ROUGE-EAST BATON ROUGE-ASCENSION-LIVINGSTON-ASSUMPTION-



ST. JAMES-ST. JOHN THE BAPTIST-UPPER LAFOURCHE-ST. CHARLES-

-67-

UPPER JEFFERSON-ORLEANS-UPPER PLAQUEMINES-UPPER ST. BERNARD-  
UPPER TERREBONNE-LOWER TERREBONNE-LOWER LAFOURCHE-LOWER JEFFERSON-  
LOWER PLAQUEMINES-LOWER ST. BERNARD-NORTHERN TANGIPAHOA-  
SOUTHERN TANGIPAHOA-WILKINSON-AMITE-PIKE-WALTHALL-PEARL RIVER-  
HANCOCK-HARRISON-JACKSON-  
551 PM CST SAT NOV 19 2016

THIS HAZARDOUS WEATHER OUTLOOK IS FOR PORTIONS OF SOUTHEAST  
LOUISIANA...SOUTH MISSISSIPPI AND THE ADJACENT COASTAL WATERS.

.DAY ONE...TONIGHT

SMALL CRAFT ADVISORY IS IN EFFECT FOR ALL THE COASTAL WATERS AND  
TIDAL LAKES TODAY DUE TO STRONG NORTH WINDS AND DANGEROUS  
SEAS.

THERE IS AN INCREASED RISK OF WILDFIRES TODAY DUE TO DRY  
FUELS...VERY LOW RELATIVE HUMIDITY LEVELS AND WINDY CONDITIONS.  
PLEASE ADHERE TO LOCAL BURN BANS AND CURTAIL ANY OUTDOOR BURNING  
UNTIL CONDITIONS ARE LESS CONDUCTIVE FOR WILDFIRES.

A BRIEF PERIOD OF NEAR FREEZING TEMPERATURES MAY OCCUR NEAR  
SUNRISE SUNDAY MORNING MAINLY IN AND NEAR THE PEARL RIVER AND  
PASCAGOULA RIVER BASINS.

.DAYS TWO THROUGH SEVEN...SUNDAY THROUGH FRIDAY

A FREEZE WATCH IS IN EFFECT FOR LATE SUNDAY NIGHT AND MONDAY  
MORNING FOR EXTREME SOUTHWEST MISSISSIPPI...COASTAL MISSISSIPPI  
AND EAST CENTRAL LOUISIANA.

THE FIRST FREEZE OF THE SEASON IS LIKELY TO OCCUR ACROSS MUCH OF

-68-

THE NORTHSHORE PARISHES OF SOUTHEAST LOUISIANA AND THE SOUTHERN  
AND SOUTHWESTERN MISSISSIPPI COUNTIES AWAY FROM THE IMMEDIATE  
COAST SUNDAY NIGHT AND MONDAY MORNING. MORNING LOWS OF 28 TO 32  
ARE EXPECTED MONDAY MORNING.

SMALL CRAFT ADVISORY CONDITIONS ARE EXPECTED TO LINGER INTO  
SUNDAY MORNING IN THE OUTER COASTAL WATERS BEFORE WINDS AND SEAS  
SETTLE DURING THE DAY.

THERE IS A CHANCE OF ISOLATED THUNDERSTORMS IN ADVANCE OF ANOTHER  
COLD FRONT MOVING THROUGH THE OUTLOOK AREA WEDNESDAY. SEVERE  
THUNDERSTORMS ARE NOT ANTICIPATED.

.SPOTTER INFORMATION STATEMENT...

SPOTTER ACTIVATION IS NOT ANTICIPATED.

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## NWS Mobile:

FLUS44 KMOB 221104

HWOMOB

HAZARDOUS WEATHER OUTLOOK

NATIONAL WEATHER SERVICE MOBILE AL

604 AM CDT SAT OCT 22 2016

ALZ051>060-261>266-FLZ201>206-MSZ067-075-076-078-079-231200-

CHOCTAW-WASHINGTON-CLARKE-WILCOX-MONROE-CONECUH-BUTLER-CRENSHAW-

ESCAMBIA-COVINGTON-MOBILE INLAND-BALDWIN INLAND-MOBILE CENTRAL-

BALDWIN CENTRAL-MOBILE COASTAL-BALDWIN COASTAL-ESCAMBIA INLAND-

-69-

ESCAMBIA COASTAL-SANTA ROSA INLAND-SANTA ROSA COASTAL-  
OKALOOSA INLAND-OKALOOSA COASTAL-WAYNE-PERRY-GREENE-STONE-GEORGE-

604 AM CDT SAT OCT 22 2016

THIS HAZARDOUS WEATHER OUTLOOK IS FOR PORTIONS OF SOUTH CENTRAL  
ALABAMA...SOUTHWEST ALABAMA...NORTHWEST FLORIDA AND SOUTHEAST  
MISSISSIPPI.

.DAY ONE...TODAY AND TONIGHT

VERY DRY CONDITIONS TODAY WILL CONTRIBUTE TO AN INCREASED RISK OF  
WILDFIRES.

ISOLATED PATCHES OF FROST ARE POSSIBLE OVER SOME LOCALITIES NORTH OF  
HIGHWAY 84 TONIGHT.

.DAYS TWO THROUGH SEVEN...SUNDAY THROUGH FRIDAY

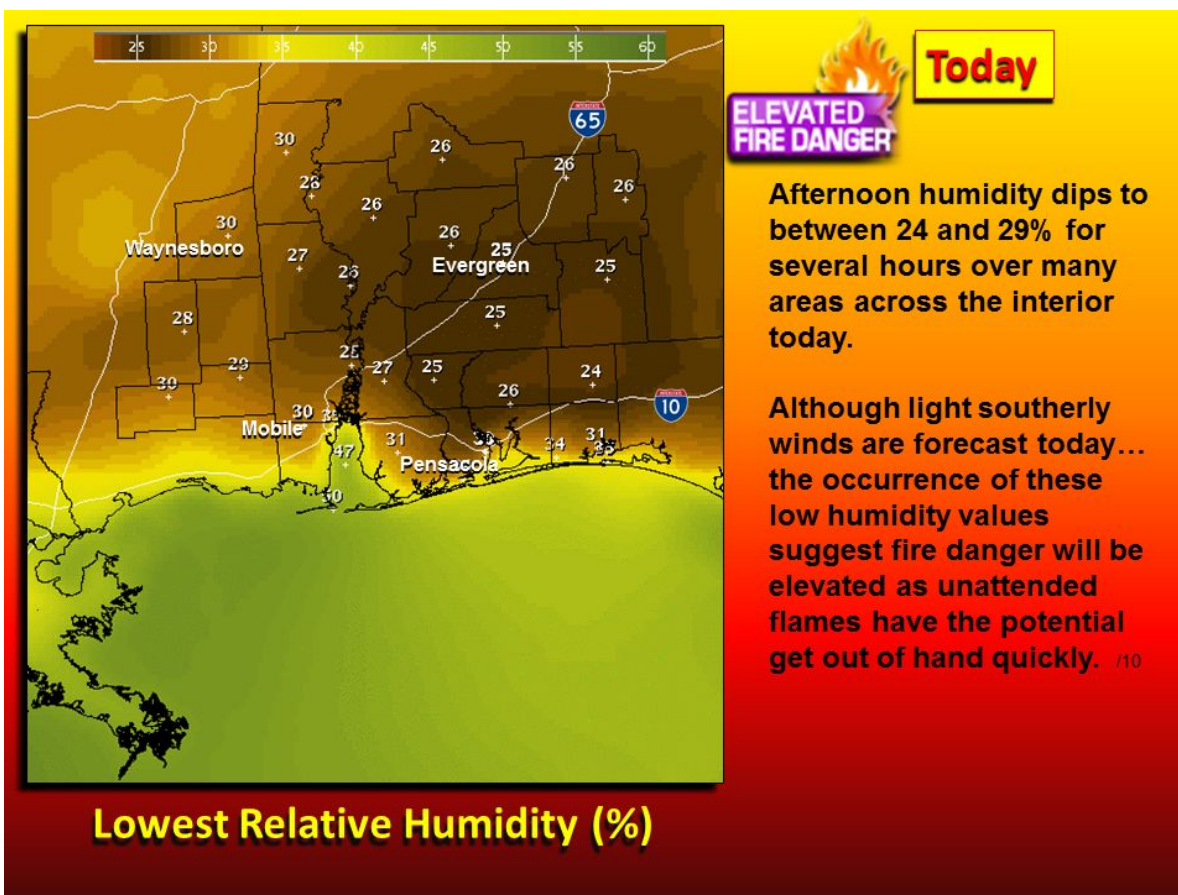
VERY DRY CONDITIONS SUNDAY WILL CONTINUE TO CREATE AN INCREASED RISK  
OF WILDFIRES.

.SPOTTER INFORMATION STATEMENT...

ACTIVATION OF SKYWARN SEVERE STORM SPOTTER NETWORKS IS NOT  
EXPECTED THROUGH FRIDAY.

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Below is an example from a fire weather danger graphic;



Below in the following page is an example of the Fire Danger State Wide Graphicast..

We use the State Wide option when there is a Extreme or Significant risk of Fire Danger.

Another words if a Redflag Warning is taking place. The NWS offices collaborate on the Fire Danger across the state.

# Dangerous Fire Weather Conditions

Weather Forecast Office  
Jackson, MS  
Issued December 5, 2016 12:21 PM CDT



## Threat Categories

- **Significant:** Open burning shouldn't be attempted as fire can escape control quickly, even for firefighters.
- **Elevated:** Open burning is discouraged, except by experienced fire personnel.

## Timing

Mainly during this afternoon

## Heed all local burn bans!



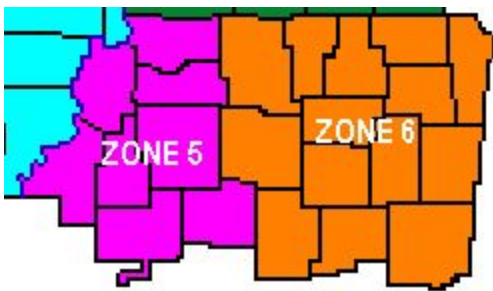
|         |          |             |         |
|---------|----------|-------------|---------|
| Limited | Elevated | Significant | Extreme |
|---------|----------|-------------|---------|

[f](#) [t](#) [v](#) NWSJacksonMS [weather.gov/jan](http://weather.gov/jan)

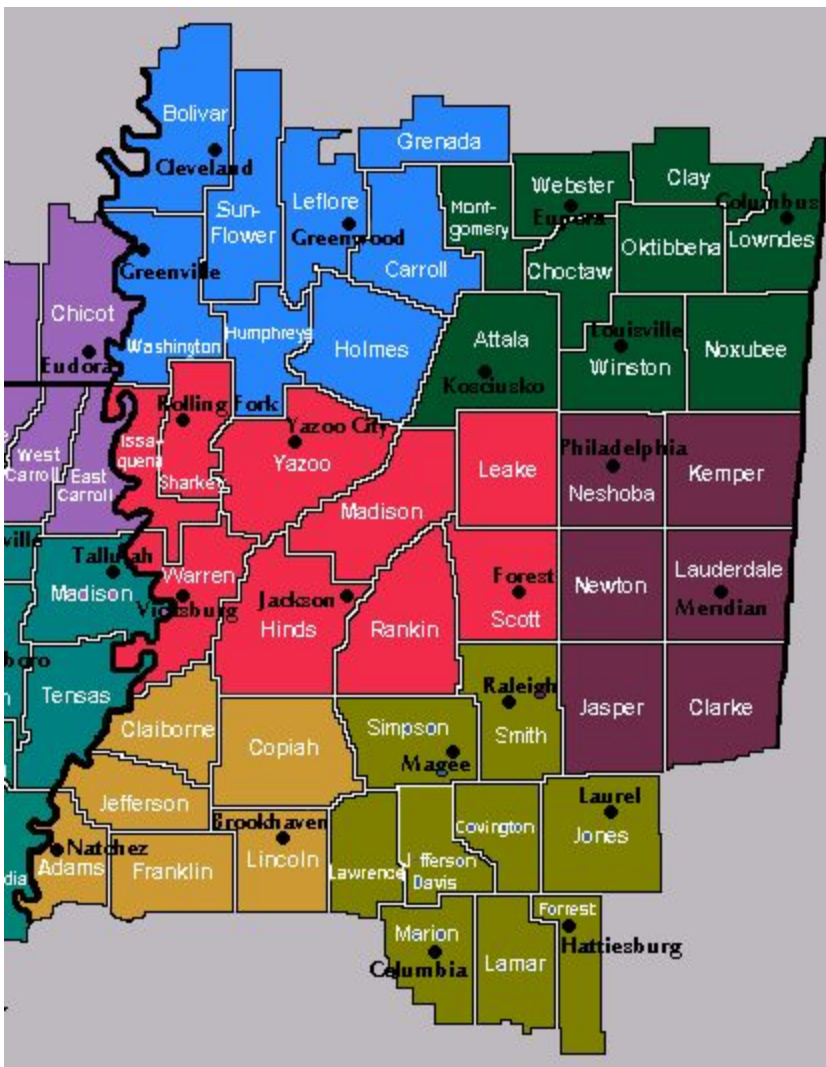
**Appendix IX Fire Weather State Zone Configurations**

**WFO Specific**

**WFO Memphis:**

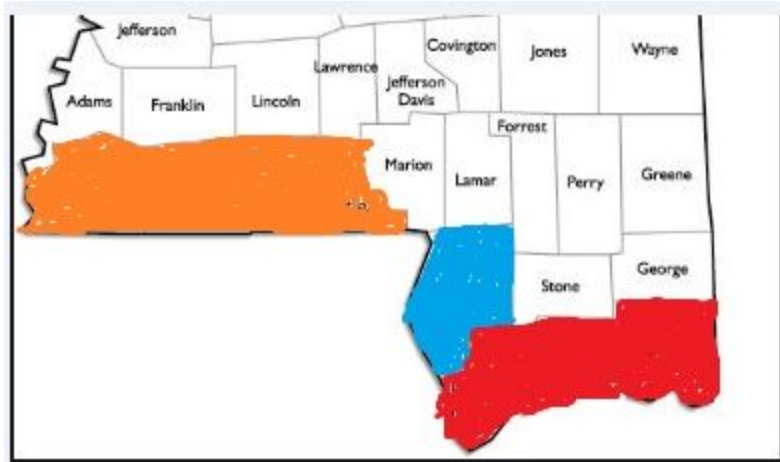


***NWS Jackson:***



**NWS New Orleans:**





**NWS Mobile:**

