



CURRENT HAZARD

Issued by: Caldwyn Meteorological Research Institute for Advanced Weather Analysis (CMRIAWA) – NATIONAL
Date and Time: 12:00 PM CST Mon Dec 18 2028

EVENT: WINTER WEATHER ADVISORY

/O.CON.CMRIAWA.WW.Y.0023.20281218T0400Z-20281219T2130Z/

WHEN:	Until 5:30 AM CST, 20 December 2028	
WHAT:	Light to moderate snow with 1.25 to 2.5 inches expected. Winds of 10 to 25 km/h may produce light drifting and pockets of reduced visibility.	
Areas Affected	Impacts	Precautionary Measures
Nashville (Prattville, Bay Minette, Autugaville, Fairhope, Baldwin)	<ul style="list-style-type: none">- Minor travel delays- Slippery roads, especially near bridges and shaded areas- Reduced visibility during heavier bursts of snow- Possible minor disruptions to school or early morning travel	<ul style="list-style-type: none">- Drive cautiously and allow extra travel time- Use winter tires and maintain safe braking distance- Wear proper footwear to avoid slips on icy surfaces- Stay updated with the latest advisories

Event: WINTER STORM WATCH

/O.NEW.CMRIAWA.WS.A.0010.20281218T0400Z-20281220T1600Z/

WHEN:	Until 12:00 AM CST, 21 December 2028	
WHAT:	Conditions are favorable for a significant winter storm. Potential heavy snow of 6–10 inches combined with winds of 39 to 61 km/h may develop.	
Areas Affected	Impacts	Areas Affected
Nashville (Birmingham)	<ul style="list-style-type: none">- Potential for hazardous travel if storm conditions develop- Reduced visibility from blowing snow- Risk of isolated power interruptions- Uncertain storm track may affect exact snow totals	<ul style="list-style-type: none">- Monitor future CMRIAWA bulletins for upgrades to warnings- Prepare emergency kits and ready vehicles for winter travel- Avoid unnecessary trips during the watch period- Secure outdoor items ahead of strong winds

PREPARED BY: MJ

CHECKED BY: LOO

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Event: COLD WEATHER ADVISORY

/O.CON.CMRIAWA.CW.Y.0017.20281218T0400Z-20281218T2200Z/

WHEN:	Until 6:00 AM CST, 19 December 2028	
WHAT:	Cold temperatures are still expected ranging from -3°C to 5°C overnight, possibly leading to frost formation in exposed areas.	
Areas Affected	Impacts	Precautionary Measures
Cascade (Walker, Marion City, Shelby, Talladega) Caldwell (Opelika, Mountain Brook, Pelham)	<ul style="list-style-type: none">- Mild to moderate risk to sensitive crops and plants- Chilly outdoor conditions affecting vulnerable populations (elderly, children)- Slippery patches on shaded roads or sidewalks in the early morning- Minor strain on heating systems	<ul style="list-style-type: none">- Cover or move sensitive plants indoors or to protected areas- Dress warmly with layered clothing when outdoors- Use caution on potentially icy sidewalks or roads- Check on elderly or vulnerable neighbors

Event: EXTREME COLD WARNING

/O.CON.CMRIAWA.EC.W.0017.20281218T0400Z-20281219T2200Z/

WHEN:	Until 6:00 AM CST, 20 December 2028	
WHAT:	Dangerously low temperatures of -15°C to -30°C with wind chills dropping to -40°C. Moderate winds around 25 to 45 km/h, but wind chills remain life-threatening.	
Areas Affected	Impacts	Precautionary Measures
Cascade (Gulf Shores) Caldwell (Trussville, Sheffield, Fairhope, Huntsville, Goodwater, Cullman, Montgomery, Selma, Hoover, Dothan, Eufaula, Anniston)	<ul style="list-style-type: none">- Frostbite possible within 10–20 minutes on exposed skin- High risk of hypothermia for anyone without proper insulation- Frozen pipes, damaged plumbing, and stress on heating systems- Harmful conditions for livestock and outdoor animals	<ul style="list-style-type: none">- Limit outdoor exposure; wear multiple insulating layers- Keep emergency heating and backup power sources ready- Bring pets indoors and protect livestock- Allow faucets to drip slightly to prevent pipe freezing- Check on vulnerable individuals (elderly, children)

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Event: FREEZE WATCH

/O.CON.CMRIA.W.FZ.A.0008.20281218T0400Z-20281218T2200Z/

WHEN:	Late night hours from today until the early hours of 19 December.	
WHAT:	Temperatures are expected to drop below -0°C. Frost formation is likely with very high chance over mountainous areas.	
Areas Affected	Impacts	Precautionary Measures
Cascade (Clayton, Barbour, Orange Beach, Eufaula, Gustavus) Ashton (Tallapoosa) Caldwell (Madison, Foley, Jasper, Phenix, Denver) Montpelier (Jefferson, Lee)	<ul style="list-style-type: none">- Damage to sensitive crops and outdoor plants- Possible freezing of outdoor water pipes- Risk of slippery surfaces in shaded areas	<ul style="list-style-type: none">- Cover or move sensitive plants indoors- Protect outdoor water sources and pipes- Avoid unnecessary exposure to extreme cold

Event: DENSE FOG ADVISORY

/O.EXP.CMRIA.W.FG.Y.0023.20281217T1815Z-20281218T0100Z/

** DENSE FOG ADVISORY HAS EXPIRED AT 9:00 AM TODAY **		
Areas Affected	Impacts	Precautionary Measures
Ashton (Bisbee, Lake Havasu) Lewiston (Gulf Shores, Clanton City, Childersburg, Piedmont, Scottsboro, Fort Payne) Boise (Kupreanof) Rexburg (Stevenson) Cottonwood (Moenkopi, Dennehotso, Second Mesa, Greer)	-	-

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Event: WIND ADVISORY

/O.CON.CMRIA.WI.Y.0022.20281218T0400Z-20281219T1600Z/

WHEN:		Until 12:00 AM, 20 December 2028	
WHAT:		Sustained winds of 39 to 61 km/h with gusts of up to 85 km/h	
Areas Affected		Impacts	Precautionary Measures
Ashton (Girdwood, Avendale City, Bisbee, Junction, Grande, Gilbert, Lake Havasu, Bullhead, Casa, Yuma) Lewiston (Rainsville, Brantley, Gulf Shores, Roanoke, Clanton City, Childersburg, Castleberry, Evergreen, Atmore, Bay Minette, Sylacauga, Fort Payne, Brewton) Boise (Kupreanof) Rexburg (Camden, Bridgeport, Moulton, Stevenson) Cottonwood (Moenkopi, Dennehotso, Second Mesa, Greer) Teton (Cleburne) Burley (Citronelle, Ashland, Tallassee, Thorsby, Wilsonville) Sandpoint (Sulligent, Leeds, La Batre, Hayden, Rehobeth, Bayou, Vincent)		<ul style="list-style-type: none">- Minor travel difficulties on bridges and open roads- Possible minor tree or debris hazards- Lightweight objects may be blown over	<ul style="list-style-type: none">- Secure outdoor items- Drive cautiously on exposed roads- Monitor local advisories for updates

Event: HIGH WIND WATCH

/O.CON.CMRIA.HW.A.0023.20281218T0400Z-20281219T1600Z/

WHEN:		Effective until 12:00 AM, 20 December 2028	
WHAT:		Sustained winds of 62 to 85 km/h with gusts of reaching 100 km/h possible.	
Areas Affected		Impacts	Precautionary Measures
Ashton (Scottsdale, Apache, Tucson, Wilcox, Tempe, Prescott, Peoria, Flagstaff, Winston, Washington, Glendale, Mesa, Kingman, Sedona, Chandler City) Caldwell (Alabaster, Bessemer, Cleburne, Homewood, Enterprise City) Lewiston (Winfield, Centre, Hamilton, Spanish Fort, Greenville, McGrath City, Luverne, Tuscumbia, Atalla, Sheffield, Piedmont, Scottsboro, Livingston, Boaz, Red Bay, Elba, Alexander, Talladega, Demopolis, Hartselle, Wetumpka) Teton (Etowan, Cherokee, Colbert, Chilton, Calhour, Clay, Escambia, Fayette, Hale, Lanett, Elmore, Choctaw, Crenshaw, Chambers, Coffee, Coosa, Dallas, Covington, Clarke, DeKalb, Franklin, Dale, Valley, Geneva, Conecuh) Preston (Autauga, Bullock, Blount, Bibb, Arley, Marion City, Barbour, Butler) Sandpoint (Greensboro, Notasulga, Baldwin) Montpelier (Houston)		<ul style="list-style-type: none">- Falling branches and debris may pose hazards- Difficult travel, especially for high-profile vehicles- Risk of power outages from damaged line	<ul style="list-style-type: none">- Secure loose outdoor objects- Avoid travel in exposed areas if possible- Exercise caution during outdoor activities

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Event: HIGH WIND WARNING

/O.CON.CMRIA.W.HW.W.0023.20281218T0400Z-20281219T1600Z/

WHEN:	Until 12:00 AM, 20 December 2028	
WHAT:	Sustained winds of 100 to 130 km/h with gusts of up to 160 km/h expected.	
Areas Affected	Impacts	Precautionary Measures
Cascade (Macon, Russell City, Limestone, Surnter, Pickens, Randolph, Pike, Marshall, Marengo, Morgan, Perry, Lowndes, Centerville) Ashton (Tuscaloosa) Caldwell (Florence, Auburn, Prattville, Rockedge) Teton (Greene) Montpelier (Lauderdale, Henry, Lawrence, Lamar)	<ul style="list-style-type: none">- Dangerous travel conditions, especially for high-profile vehicles- Risk of fallen branches, debris, and property damage- Possible power outages and disruptions to outdoor activities- Potential hazards to small boats and coastal areas	<ul style="list-style-type: none">- Secure loose outdoor objects and equipment- Avoid unnecessary travel in exposed areas- Exercise extreme caution during outdoor activities- Stay updated with local weather advisories

Event: HAZARDOUS WEATHER OUTLOOK

/O.CON.CMRIA.W.HWO.O.0023.20281218T0400Z-20281219T1600Z/

WHEN:	Effective until 12:00 AM, 20 December 2028	
WHAT:	** DAY 1: Widespread dense fog reducing visibility to 1/4 mile (400 m) or less, especially in river valleys, lowlands, and urban areas in southern parts of Northern Lancaster. Sustained winds of 39 to 61 km/h with gusts up to 85 km/h, especially in elevated terrain and open areas in northern parts of Central Lancaster. ** DAYS 2 THROUGH 7: Dense Fog to affect the remaining of Northern Lancaster with strong to gale winds over northern stretching to central parts of Central Lancaster especially in elevated terrain and open areas. Winds over any parts within Central Lancaster may reach at least tropical depression to tropical storm winds, but it will be sustained at tropical depression winds at times (39 to 61 km/h)	
Areas Affected	Impacts	Precautionary Measures
Ashton (Blount, Show, Nogales, Winslow, Oneonta, Low, West Blocton) Mackay (Blountsville, Maricopa, Cottonwood, Globe, Eloy, Snowflake, Parker, Buckeye, San Luis, Coolidge, Superior, Union Springs, Butler, Camp Verde City, Florence, Fountain Hills, Greenville, Page, Cave Creek, Bullock) Donell (Pinetop-Lakeside, Wellton City, Safford, Benson, Payson, Quartzsite, Holbrook, Jacksonville, Polacca, Fort Defiance, Georgina, Anniston, Leupp, Kayenta, Oxford, Green Valley) Lewiston (Luverne, Opp, Cullman City) Boise (Tuskegee, Elkmont, Atalla, Athens, Shorter, Luverne, Southside, Samson, Fort Deposit, Fayette, Courtland, Opelika, Eutaw, Jackson) Rexburg (Satsuma, Chatom) Harrison (Gurdon, Lonoke, Heber Springs, Lake Village City) Cottonwood (Pinedale, McNanny, White River) Hayden (Clumbia, Jemison City, Centreville, Harpersville, Town Creek, East Brewton, Eclectic, Blountsville, Rockford, Ashville, Sylvan Springs, Tarrant, Highland Lake, Ohatchee) Burley (Lineville, Pinson, Heflin, Jemison,	<ul style="list-style-type: none">- Low visibility making driving hazardous- Increased risk of traffic accidents- Difficult navigation for pedestrians and cyclists- Difficulty driving high-profile vehicles- Minor damage to loose outdoor objects- Blowing debris may pose minor hazards	<ul style="list-style-type: none">- Walk carefully on sidewalks and steps- Monitor updates as conditions may worsen- Slow down while driving, maintain safe distances- Use low-beam headlights, avoid high beams- Be extra cautious in school zones and near pedestrians- Secure outdoor objects- Exercise caution during travel and outdoor activities- Monitor local advisories for updates

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Republic of the Caldwyn
SCIENCE AND TECHNOLOGY DEPARTMENT
Caldwyn Meteorological Research
Institute for Advanced
Weather Analysis (CMRIAWA)
Weather Division

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Tuscumbia, Elba)		
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