



CURRENT HAZARD

Issued by: Caldwyn Meteorological Research Institute for Advanced Weather Analysis (CMRIAWA) – NATIONAL
Date and Time: 12:00 AM CST Sun Dec 17 2028

Event: WINTER WEATHER ADVISORY

/O.EXT.CMRIAWA.WW.Y.0020.20281216T1600Z-20281217T2330Z/

WHEN:	Until 7:30 AM CST, 17 December 2028	
WHAT:	Light to moderate snow with 1.0 to 2.25 inches expected. Winds of 15 to 25 km/h may produce light drifting and pockets of reduced visibility.	
Areas Affected	Impacts	Precautionary Measures
Nashville (Prattville, Birmingham, 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: COLD WEATHER ADVISORY

/O.EXT.CMRIAWA.CW.Y.0014.20281216T1600Z-20281217T2100Z/

WHEN:	Until 5:00 AM CST, 168December 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 (Russell City, Limestone, Pickens, Marion City, Pike, Marshall, Shelby, Marengo, Morgan, Perry, Lowndes, Centerville) Caldwell (Opelika, Madison, Mountain Brook, Jasper, Denver, Rockedge, Pelham) Montpelier (Lauderdale, Henry, Lawrence, Lamar)	<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

PREPARED BY: MJ

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Event: EXTREME COLD WARNING

/O.EXT.CMRIAWA.EC.W.0014.20281216T1600Z-20281217T1400Z/

WHEN:	Until 10:00 PM CST, 16 December 2028	
WHAT:	Dangerously low temperatures of -20°C to -35°C with wind chills dropping to -40°C. Moderate to strong around 30 to 61 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)

Event: FREEZE WATCH

/O.CON.CMRIAWA.FZ.A.0005.20281216T1600Z-20281216T2300Z/

WHEN:	Late night hours from today until the early hours of 17 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, Macon, Barbour, Orange Beach, Eufaula, Gustavus) Caldwell (Foley, Phenix) 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

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Event: FROST ADVISORY

/O.EXP.CMRIAWA.FR.Y.0014.20281216T1600Z-20281216T2100Z/

**** FROST ADVISORY HAS BEEN EXPIRED AT 5:00 AM TODAY ****

Areas Affected	Impacts	Precautionary Measures
Teton (Cherokee, Cleburne) Hayden (Clumbia, Town Creek, Eclectic) Burley (Citronelle, Ashland, Lineville, Pinson, Jemison, Tuscumbia, Elba) Preston (Blount, Butler) Sandpoint (Sulligent, La Batre, Hayden, Rehobeth, Baldwin, Bayou)	-	-

Event: DENSE FOG ADVISORY

/O.EXT.CMRIAWA.FG.Y.0020.20281216T1600Z-20281218T0100Z/

WHEN:	Until 9:00 AM CST, 18 December 2028	
WHAT:	Visibility reduced to 1/4 mile (400 m) or less due to dense fog.	
Areas Affected	Impacts	Precautionary Measures
Ashton (Bisbee, Lake Havasu) Lewiston (Brantley, Winfield, Gulf Shores, Centre, Roanoke, Clanton City, Childersburg, Spanish Fort, Greenville, McGrath City, Luverne, Piedmont, Scottsboro, Red Bay, Sylacauga, Alexander, Fort Payne) Boise (Kupreanof) Rexburg (Camden, Bridgeport, Stevenson) Cottonwood (Moenkopi, Second Mesa, Greer) Teton (Cleburne) Preston (Butler) Sandpoint (Sulligent, Leeds, La Batre, Hayden, Greensboro, Rehobeth, Baldwin, Bayou, Vincent)	<ul style="list-style-type: none">- Hazardous driving conditions- Increased risk of traffic accidents- Reduced visibility for pedestrians and cyclists	<ul style="list-style-type: none">- Slow down while driving and use low-beam headlights- Leave extra distance ahead of vehicles- Exercise extreme caution in school zones and near pedestrians

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Event: WIND ADVISORY

/O.EXT.CMRIAWA.WI.Y.0019.20281216T1600Z-20281217T1600Z/

WHEN:		Until 12:00 AM, 18 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 (Apache, Tempe, Prescott, Glendale, Kingman) Lewiston (Luverne, Castleberry, Evergreen, Bay Minette, Cullman City) Boise (Luverne) Rexburg (Satsuma, Chatom, Moulton) Cottonwood (Dennehotso) Teton (Covington, DeKalb, Conecuh)	<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.EXT.CMRIAWA.HW.A.0020.20281216T1600Z-20281217T1600Z/

WHEN:		Effective until 12:00 AM, 18 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, Flagstaff, Washington, Mesa, Sedona, Chandler City) Lewiston (Rainsville, Hamilton, Tuscumbia, Atalla, Sheffield, Livingston, Boaz, Atmore, Opp, Brewton, Talladega, Hartselle, Wetumpka) Teton (Etowan, Cherokee, Colbert, Chilton, Calhour, Clay, Escambia, Fayette, Lanett, Elmore, Choctaw, Chambers, Coosa, Dallas, Clarke, Dale, Valley) Burley (Thorsby, Wilsonville) Preston (Autauga, Bullock, Blount, Marion City, Barbour) Sandpoint (Notasulga)	<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.EXT.CMRIA.W.W.0020.20281216T1600Z-20281217T1600Z/

WHEN:		Until 12:00 AM, 18 December 2028	
WHAT:		Sustained winds of 75 to 100 km/h with gusts of up to 130 km/h expected.	
Areas Affected		Impacts	Precautionary Measures
Cascade (Walker, Randolph, Talladega) Ashton (Tuscaloosa, Tucson, Wilcox, Winston, Tallapoosa) Caldwell (Florence, Alabaster, Auburn, Bessemer, Prattville, Cleburne, Homewood, Enterprise City) Lewiston (Elba, Demopolis) Teton (Hale, Greene, Crenshaw, Coffee, Franklin, Geneva) Preston (Bibb, Arley) Montpelier (Houston)		<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.O.0020.20281216T1600Z-20281218T1600Z/

WHEN:		Effective until 12:00 AM, 19 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.	
Areas Affected		Impacts	Precautionary Measures
Cascade (Surnter) Ashton (Blount, Girdwood, Avendale City, Junction, Grande, Gilbert, Bullhead, Casa, Peoria, Show, Nogales, Yuma, 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, Calhoun, Benson, Fort Thomas, Payson, Bylas, Holbrook, Clifton, Window, Jacksonville, Polacca, Fort Defiance, Duncan, Georgina, Anniston, Leupp, Fredonia, Kayenta, Somerton, Oxford, Green Valley, Many Farms) Boise (Tuskegee, Elkmont, Atalla, Athens, Shorter, Southside, Samson, Fort Deposit, Fayette, Courtland, Opelika, Eutaw, Jackson) 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)		<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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Burley (Citronelle, Ashland, Lineville, Pinson, Heflin, Tallassee, Jemison, Tuscumbia, Elba)		
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"Empowering Communities Through Weather Preparedness"

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