



CURRENT HAZARD

Issued by: Caldwyn Meteorological Research Institute for Advanced Weather Analysis (CMRIAWA) – NATIONAL
Date and Time: 6:00 PM CST Wed Dec 13 2028

Event: WINTER WEATHER ADVISORY

/O.CON.CMRIAWA.WW.Y.0011.20281213T1800Z-20281214T1430Z/

WHEN:	Until 2:30 PM CST, 14 December 2028	
WHAT:	Light snow with 0.5 to 1.25 inches expected. Winds of 15 to 30 km/h may produce light drifting and pockets of reduced visibility.	
Areas Affected	Impacts	Precautionary Measures
Cascade (Orange Beach, Gulf Shores) Nashville (Prattville, Birmingham, Bay Minette, Autugaville, Fairhope, Baldwin) Caldwell (Trussville, Madison, Sheffield, Fairhope, Huntsville, Goodwater, Foley, Cullman, Montgomery, Phenix, Selma, Hoover, Dothan, Eufaula, Anniston)	<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.CON.CMRIAWA.CW.Y.0005.20281213T1800Z-20281214T0500Z/

WHEN:	Until 5:00 AM CST, 14 December 2028	
WHAT:	Cold temperatures are still expected ranging from –2°C to 5°C overnight, possibly leading to frost formation in exposed areas.	
Areas Affected	Impacts	Precautionary Measures
Cascade (Macon, Pickens, Marion City, Morgan, Perry) Caldwell (Florence, Auburn, Bessemer, Rockledge, Pelham, Cleburne, Enterprise City) 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.CON.CMRIAWA.EC.W.0006.20281213T1800Z-20281214T0700Z/

WHEN:	Until 7:00 AM CST, 14 December 2028	
WHAT:	Dangerously low temperatures of -20°C to -30°C with wind chills dropping to -35°C . Light to moderate around 25 to 35 km/h, but wind chills remain life-threatening.	
Areas Affected	Impacts	Precautionary Measures
Cascade (Clayton, Barbour, Eufaula) Caldwell (Mountain Brook, Jasper, Denver) Montpelier (Jefferson, Lee)	<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: AVALANCHE WATCH

/O.EXT.CMRIAWA.AV.A.0004.20281213T2245Z-20281214T0500Z/

WHEN:	Until 5:00 AM CST, 14 December 2028	
WHAT:	Conditions are favorable for avalanches due to recent heavy snowfall with an accumulation of 5 to 10 inches with strong winds of 35 to 70 km/h creating unstable snowdrifts. Steep slopes with freshly accumulate snow.	
Areas Affected	Impacts	Precautionary Measures
Preston (Autauga, Bibb) Montpelier (Houston)	<ul style="list-style-type: none">- Increased risk of snow slides on steep slopes- Hazardous conditions for skiers, hikers, mountaineers, and outdoor workers- Possible road closures on mountain passes- Potential damage to structures and infrastructure in avalanche-prone areas	<ul style="list-style-type: none">- Avoid travel and outdoor activities in avalanche-prone zones- Stay away from steep slopes and snow-laden ridges- Monitor updates from local authorities and mountain/weather services- Ensure proper avalanche safety gear if venturing into high-risk areas is unavoidable

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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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Event: COLD WEATHER ADVISORY

/O.CON.CMRIA.W.Y.0004.20281213T2245Z-20281214T0500Z/

WHEN:	Until 5:00 AM CST, 14 December 2028	
WHAT:	Cold temperatures are still expected ranging from -2°C to 5°C overnight, possibly leading to frost formation in exposed areas.	
Areas Affected	Impacts	Precautionary Measures
Cascade (Russell City, Sumter, Shelby) Teton (Hale, Lanett, Greene, Choctaw, Franklin, Geneva)	<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.CMRIA.W.EC.W.0005.20281213T2245Z-20281214T0700Z/

WHEN:	Until 7:00 AM CST, 14 December 2028	
WHAT:	Dangerously low temperatures of -20°C to -30°C with wind chills dropping to -35°C . Light to moderate around 25 to 35 km/h, but wind chills remain life-threatening.	
Areas Affected	Impacts	Precautionary Measures
Cascade (Clayton, Barbour, Eufaula, Centerville) Caldwell (Opelika, Mountain Brook, Denver) Preston (Arley, Marion City) Montpelier (Lauderdale, Henry, Jefferson, Lamar, Lee)	<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.A.0007.20281213T18005Z-20281215T0700Z /

WHEN:	Late night hours today until 15 December early hours	
WHAT:	Temperatures are expected to drop below 0°C. Frost formation is likely.	
Areas Affected	Impacts	Precautionary Measures
Cascade (Limestone, Marshall, Gustavus, Marengo, Lowndes, Centerville) Caldwell (Opelika, Prattville, Homewood)	<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: FROST ADVISORY

/O.CON.CMRIA.W.FAD.Y.0005.20281213T1800Z-20281215T0700Z/

WHEN:	Until 7:00 AM CST, 15 December 2028	
WHAT:	Temperatures near or below freezing (-2°C to 3°C) may result in frost formation, particularly on exposed surfaces, crops, and vehicles.	
Areas Affected	Impacts	Precautionary Measures
Caldwell (Alabaster) Lewiston (Livingston, Demopolis) Teton (Cherokee, Colbert, Chilton, Calhoun, Choctaw, Crenshaw, Chambers, Coffee, Clarke, Cleburne) Hayden (Clumbia, Centreville, Town Creek, Eclectic, Rockford) Burley (Citronelle, Ashland, Lineville, Pinson, Tallassee, Wilsonville, Jemison, Tuscumbia, Elba) Preston (Autauga, Bullock, Blount, Bibb, Arley, Marion City, Barbour, Butler) Sandpoint (Sulligent, Greensboro, Notasulga, Baldwin)	<ul style="list-style-type: none">- Damage to sensitive crops and outdoor plants- Frost accumulation on cars, sidewalks, and roads- Chilly conditions for outdoor activities- Minor strain on heating systems	<ul style="list-style-type: none">- Cover or move sensitive plants to protected areas- Protect outdoor water sources and pipes- Dress warmly if going outside early in the morning- Exercise caution on slippery frost-covered roads and sidewalks

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Event: FREEZING FOG ADVISORY

/O.NEW.CMRIAWA.FF.Y.0001.20281213T1800Z-20281214T0800Z/

WHEN:	Until 8:00 AM CST, 14 December 2028	
WHAT:	Freezing fog developing across the area, causing visibility reduced to 1/4 mile (400 m) or less. Light ice accretion on roads, bridges, and exposed surfaces. Surface temperatures at or below -2°C to -6°C	
Areas Affected	Impacts	Precautionary Measures
Cascade (Walker, Russell City, Surnter, Randolph, Pike, Shelby, Talladega) Ashton (Scottsdale, Tucson, Wilcox, Flagstaff, Washington, Glendale, Mesa, Sedona, Tallapoosa, Chandler City) Lewiston (Tuscumbia, Talladega) Teton (Hale, Geneva) Montpelier (Houston)	<ul style="list-style-type: none">- Significantly hazardous travel, especially on bridges, overpasses, and rural roads- Ice buildup on vehicles, power lines, and outdoor structures- Slippery sidewalks and walkways- Delays in early-morning transportation services	<ul style="list-style-type: none">- Avoid unnecessary travel; roads may be slick or icy- Drive slowly with low-beam headlights and maintain wide spacing- Allow extra time for de-icing vehicles- Use caution while walking on untreated surfaces- Stay tuned for further updates and area-specific advisories

Event: DENSE FOG ADVISORY

/O.CON.CMRIAWA.DF.Y.0011.20281213T1800Z-20281214T0700Z /

WHEN:	Until 7:00 AM CST, 14 December 2028	
WHAT:	Visibility reduced to 1/4 mile (400 m) or less due to dense fog.	
Areas Affected	Impacts	Precautionary Measures
Ashton (Bullhead, Show, Nogales, Winslow) Lewiston (Rainsville, Brantley, Winfield, Gulf Shores, Centre, Hamilton, Roanoke, Clanton City, Childersburg, Spanish Fort, Castleberry, Greenville, McGrath City, Luverne, Atalla, Sheffield, Piedmont, Scottsboro, Boaz, Atmore, Red Bay, Elba, Sylacauga, Opp, Alexander, Fort Payne, Brewton, Hartselle, Wetumpka) Boise (Athens, Southside, Kupreanof, Fort Deposit) Rexburg (Camden, Bridgeport, Stevenson) Cottonwood (Moenkopi, Second Mesa, Greer) Burley (Thorsby) Sandpoint (Leeds, Hayden, Rehobeth)	<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.CON.CMRIAWA.WA.Y.0011.20281213T1800Z-20281214T1130Z/

WHEN:		Until 11:30 AM, 14 December 2028	
WHAT:		Sustained winds of 39 to 60 km/h with gusts of up to 85 km/h	
Areas Affected		Impacts	Precautionary Measures
Ashton (Blount, Girdwood, Avondale City, Bisbee, Junction, Grande, Lake Havasu, Yuma, Low) Lewiston (Evergreen, Bay Minette) Cottonwood (Dennehotso) Hayden (Sylvan Springs) Sandpoint (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.EXT.CMRIAWA.HW.A.0011.20281213T1800Z-20281214T0500Z/

WHEN:		Effective until 5:00 AM, 14 December 2028	
WHAT:		Sustained winds of 61 to 85 km/h with gusts of reaching 100 km/h possible.	
Areas Affected		Impacts	Precautionary Measures
Ashton (Tempe, Prescott, Kingman) Teton (Etowan, Coosa, Dallas, Covington, DeKalb, Dale, Conecuh) Sandpoint (La Batre, Bayou)		<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.CMRIAWA.HW.W.0011.20281213T1800Z-20281213T0700Z /

WHEN:		Until 7:00 AM, 14 December 2028	
WHAT:		Sustained winds of 60 to 90 km/h with gusts of up to 115 km/h expected.	
Areas Affected		Impacts	Precautionary Measures
Ashton (Apache, Tuscaloosa, Gilbert, Casa, Peoria, Winston) Teton (Clay, Escambia, Fayette, Lanett, Greene, Elmore, Franklin, Valley)		<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.CMRIAWA.HWO.O.0005.20281213T1800Z-20281215T0000Z/

WHEN:		Effective until 12:00 AM, 15 December 2028	
WHAT:		Freezing fog expected with visibility below 1/2 mile (800 m) and light ice accumulation on roads, bridges, and exposed surfaces. Surface temperatures near 0°C to 2°C. Widespread dense fog reducing visibility to 1/8 mile (205 m) or less, especially in river valleys, lowlands, and urban areas. Sustained winds of 39 to 50 km/h with gusts up to 60 km/h, especially in elevated terrain and open areas.	
Areas Affected		Impacts	Precautionary Measures
Ashton (Oneonta, 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, Payson, Jacksonville, Polacca, Fort Defiance, Georgina, Anniston, Leupp, Kayenta, Green Valley) Lewiston (Luverne, Cullman City) Boise (Tuskegee, Elkmont, Atalla, Shorter, Luverne, Samson, Fayette, Courtland, Opelika, Eutaw, Jackson) Rexburg (Satsuma, Chatom, Moulton) Harrison (Gurdon, Lonokey, Heber Springs) Cottonwood (Pinedale, McNanny) Hayden (Jemison City, Harpersville, East Brewton, Blountsville, Ashville, Tarrant, Highland Lake, Ohatchee) Burley (Heflin)		<ul style="list-style-type: none">- Hazardous driving conditions- Thin ice on roads and sidewalks- Icy buildup on vehicles and structures- 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">- Drive slowly, use low-beam headlights- 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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