



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

WFS-09 Rev.2/10-27-2027

CURRENT HAZARD

Issued by: Caldwyn Meteorological Research Institute for Advanced Weather Analysis (CMRIAWA) – NATIONAL
Date and Time: 1:45 PM CST Thurs Dec 21 2028

EVENT: WINTER WEATHER ADVISORY

/O.CON.CMRIAWA.WW.Y.0031.20281221T0545Z-20281223T0615Z/

WHEN:	Until 2:15 PM CST, 23 December 2028	
WHAT:	Light to moderate snow with 1.75 to 3.0 inches expected. Winds of 15 to 25 km/h may produce light drifting and pockets of reduced visibility.	
Areas Affected	Impacts	Precautionary Measures
Caldwell (Sheffield, Goodwater, Dothan)	<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.CON.CMRIAWA.WS.A.0018.20281221T0545Z-20281222T0100Z/

WHEN:	Until 9:00 AM CST, 22 December 2028	
WHAT:	Conditions are favorable for a significant winter storm. Potential heavy snow of 5 to 10 inches combined with winds of 39 to 62 km/h may develop.	
Areas Affected	Impacts	Areas Affected
Nashville (Bay Minette, Autugaville, Fairhope, Baldwin)	<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*

"Empowering Communities Through Weather Preparedness"

Weather and Flood Forecasting Center
Skywatch Tower, Harborview Bldg., Kensington Avenue,
Brgy. Bayview, Sebastian City 4902, Hampshire, Caldwyn

CHECKED BY: *LOO*

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<https://cmriawa.std.org.co/>



Event: WINTER STORM WARNING

/O.CON.CMRIAWA.WS.W.0015.20281221T0545Z-20281222T2330Z/

WHEN:	Until 7:30 AM CST, 23 December 2028	
WHAT:	Heavy snow with strong winds of 40 to 65 km/h. Accumulating snow of 5 to 10 inches expected.	
Areas Affected	Impacts	Precautionary Measures
Nashville (Prattville, Birmingham)	<ul style="list-style-type: none">- Difficult travel, especially on elevated roads and bridges- Risk of power outages due to snow-laden trees- Slippery roads and reduced visibility	<ul style="list-style-type: none">- Limit travel if possible- Keep emergency kits ready in vehicles- Stay informed on road conditions

Event: COLD WEATHER ADVISORY

/O.CON.CMRIAWA.CW.Y.0025.20281221T0545Z-20281221T1600Z/

WHEN:	Until 12:00 AM CST, 22 December 2028	
WHAT:	Cold temperatures are still expected ranging from -2°C to 3°C overnight, possibly leading to frost formation in exposed areas.	
Areas Affected	Impacts	Precautionary Measures
Cascade (Walker, Surnter, Marion City, Shelby) 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

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Event: EXTREME COLD WARNING

/O.CON.CMRIAWA.EC.W.0025.20281221T0545Z-20281221T1600Z/

WHEN:	Until 12:00 AM CST, 22 December 2028	
WHAT:	Dangerously low temperatures of -10°C to -20°C with wind chills dropping to -35°C . Moderate winds around 25 to 38 km/h, but wind chills remain life-threatening.	
Areas Affected	Impacts	Precautionary Measures
Cascade (Gulf Shores) Caldwell (Fairhope, Huntsville, Foley, Cullman, Montgomery, Selma, Hoover, 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: FREEZING FOG ADVISORY

/O.CON.CMRIAWA.ZF.Y.0012.20281221T0545Z-20281222T0200Z/

WHEN:	Until 10:00 AM, 22 December 2028	
WHAT:	Freezing fog developing across the area, causing visibility reduced to 300 m or less with light ice accretion on roads, bridges, and exposed surfaces. Surface temperatures at or below -2°C to -4°C .	
Areas Affected	Impacts	Precautionary Measures
Cascade (Clayton, Macon, Barbour, Orange Beach, Eufaula, Gustavus, Centerville) Caldwell (Madison, Jasper, Phenix, Denver) Montpelier (Lauderdale, Henry, Jefferson, Lamar, Lee)	<ul style="list-style-type: none">- Very hazardous driving conditions due to sudden visibility drops- Thin, invisible layers of black ice on untreated roads and walkways- Slick sidewalks, overpasses, and bridges creating slip hazards- Ice buildup on vehicles, power lines, and elevated objects	<ul style="list-style-type: none">- Slow down, use low-beam headlights, and allow extra travel time- Avoid sudden braking or sharp turns on icy roads- Walk carefully on sidewalks and steps to prevent slipping- Keep vehicle windows and mirrors clear of ice

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Event: DENSE FOG ADVISORY

/O.CON.CMRIAWA.FG.Y.0028.20281221T0545Z-20281223T0000Z/

WHEN:	Effective until 8:00 AM, 23 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 (Childersburg, Scottsboro, Fort Payne) Boise (Kupreanof) Rexburg (Stevenson) Cottonwood (Greer)	<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

Event: WIND ADVISORY

/O.CON.CMRIAWA.WI.Y.0030.20281221T0545Z-20281223T0400Z/

WHEN:	Until 12:00 PM, 23 December 2028	
WHAT:	Sustained winds of 32 to 54 km/h with gusts of up to 73 km/h	
Areas Affected	Impacts	Precautionary Measures
Ashton (Girdwood, Apache, Grande, Gilbert, Prescott, Casa, Peoria, Kingman, Yuma) Lewiston (Rainsville, Winfield, Centre, Roanoke, Clanton City, Luverne, Castleberry, Greenville, Evergreen, Atalla, Sheffield, Livingston, Boaz, Atmore, Red Bay, Elba, Bay Minette, Sylacauga, Opp, Alexander, Brewton, Cullman City) Rexburg (Camden, Satsuma, Chatom, Bridgeport, Moulton) Cottonwood (Moenkopi, Dennehotso, Second Mesa) Teton (Cherokee, Crenshaw, Coffee, Covington, Cleburne, Conecuh) Burley (Citronelle, Ashland, Pinson, Tallassee, Thorsby, Wilsonville, Jemison) Preston (Blount, Barbour, Butler) Sandpoint (Sulligent, Leeds, La Batre, Hayden, Greensboro, Notasulga, Rehobeth, Baldwin, 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

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Event: HIGH WIND WATCH

/O.CON.CMRIAWA.HW.A.0031.20281221T0545Z-20281223T1200Z/

WHEN:	Effective until 8:00 AM, 23 December 2028	
WHAT:	Sustained winds of 65 to 75 km/h with gusts of reaching 102 km/h possible.	
Areas Affected	Impacts	Precautionary Measures
Ashton (Scottsdale, Tucson, Tempe, Washington, Glendale, Mesa, Chandler City) Lewiston (Brantley, Gulf Shores, Hamilton, Spanish Fort, McGrath City, Tuscaloosa, Piedmont, Talladega, Demopolis, Hartselle, Wetumpka) Teton (Etowah, Colbert, Chilton, Calhoun, Elmore, Choctaw, Chambers, Coosa, Dallas, Clarke, DeKalb, Dale) Preston (Autauga, Bullock, Bibb, Arley, Marion City)	<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

Event: HIGH WIND WARNING

/O.CON.CMRIAWA.HW.W.0031.20281221T0545Z-20281222T1445Z/

WHEN:	Until 10:45 PM, 22 December 2028	
WHAT:	Sustained winds of 82 to 98 km/h with gusts of up to 115 km/h expected.	
Areas Affected	Impacts	Precautionary Measures
Cascade (Russell City, Limestone, Pickens, Randolph, Pike, Marshall, Marengo, Talladega, Morgan, Perry, Lowndes) Ashton (Tuscaloosa, Wilcox, Flagstaff, Winston, Sedona, Tallapoosa) Caldwell (Florence, Alabaster, Auburn, Bessemer, Prattville, Rockledge, Cleburne, Homewood, Enterprise City) Teton (Clay, Escambia, Fayette, Hale, Lanett, Greene, Franklin, Valley, Geneva) Montpelier (Houston, Lawrence)	<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

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Event: HAZARDOUS WEATHER OUTLOOK

/O.CON.CMRIAWA.HWO.O.0031.20281221T0545Z-20281224T1600Z/

WHEN:	Effective until 12:00 AM, 25 December 2028	
WHAT:	** DAY 1: Widespread dense fog reducing visibility to 300 m or less, especially in river valleys, lowlands, and urban areas in southern parts of Northern Lancaster. Sustained winds of 32 to 55 km/h with gusts up to 79 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 42 to 58 km/h to at times reaching greater than 80 km/h especially in upland, elevated, and near coast areas.	
Areas Affected	Impacts	Precautionary Measures
Ashton (Blount, Avendale City, Junction, Bullhead, 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, Calhoun, Cave Creek, Benson, Fort Thomas, Prescott, Payson, Quartzsite, Red Mesa, Bylas, Wilcox, Kearny, Youngtown, Holbrook, Tuba, Clifton, Window, Sun, Jacksonville, Polacca, Oro Valley, Fort Defiance, Duncan, Georgina, Anniston, Leupp, Chinle, Fredonia, Kayenta, Somerton, Oxford, Green Valley, Ajo City, Anthem, Many Farms) Boise (Tuskegee, Elkmont, Atalla, Athens, Shorter, Luverne, 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) Burley (Lineville, Heflin, Tuscumbia, Elba)	<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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