

# WWR Report

## Purpose

The primary purpose of a weather report is to inform people about current and forecasted weather conditions in a specific geographic area, serving multiple purposes simultaneously. Accurate weather information helps ensure public safety by preparing individuals for severe weather events like tornadoes, hurricanes, blizzards, or heatwaves, while also supporting travel planning, agricultural decisions, emergency management, infrastructure maintenance, economic planning, and scientific research. Additionally, weather reports promote public awareness of weather-related hazards, raise community engagement, and provide valuable data for aviation and maritime safety. Overall, the purpose of a weather report is to provide timely and accurate information that helps individuals make informed decisions about their daily lives and stay safe during adverse weather conditions.

## Benefits

1. **Safety**: Accurate weather information helps people plan and prepare for severe weather events, such as tornadoes, hurricanes, blizzards, or heatwaves, which can pose significant threats to life and property.
2. **Travel planning**: Weather reports help travellers decide whether to take a trip, adjust their itinerary, or modify their travel plans to avoid adverse weather conditions.
3. **Agricultural decisions**: Farmers and agricultural professionals rely on weather reports to plan planting, harvesting, and other farm-related activities, as well as to manage crop growth and disease prevention.
4. **Emergency management**: Weather reports are essential for emergency responders, such as firefighters, paramedics, and search and rescue teams, who need accurate information to respond effectively in emergency situations.
5. **Infrastructure maintenance**: Weather reports help utility companies, road crews, and other infrastructure professionals plan maintenance and repairs to ensure public safety and minimize disruptions.
6. **Economic planning**: Accurate weather forecasts enable businesses, such as airlines, shipping companies, and outdoor recreational services, to make informed decisions about operations, staffing, and resource allocation.

7. **\*\*Public awareness\*\***: Weather reports raise public awareness of weather-related hazards and promote preparedness, which can help reduce the impact of severe weather events on communities.
8. **\*\*Scientific research\*\***: Weather reports provide valuable data for scientists studying climate patterns, atmospheric circulation, and other meteorological phenomena, which helps improve weather forecasting models and understanding of global climate change.
9. **\*\*Aviation and maritime safety\*\***: Weather reports are crucial for pilots, ship captains, and other transportation professionals to ensure safe and efficient travel routes.
10. **\*\*Community engagement\*\***: Weather reports can help communities prepare for severe weather events, such as winter storms or heatwaves, by providing important information on shelter locations, evacuation procedures, and emergency contact numbers.

## Frequency

This report is published weekly.

## Recipients

[random\\_email@random.com](mailto:random_email@random.com), [random\\_email2@random.com](mailto:random_email2@random.com),  
[random\\_email3@random.com](mailto:random_email3@random.com), [random\\_email4@random.com](mailto:random_email4@random.com)

## Instructions to generate WWR report

- 1) User to provide the location and time duration for the weekly report.
- 2) If user do not provide a time duration, take immediate last week as time duration.
- 3) Fetch weather report for that period
- 4) Show the result in a table
- 5) create a pivot showing different conditions and count of condition in a table