

# CoCoRaHS Mapping Feature Additions and Bug Fixes

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## Feature Additions – 2/21/2021

- The Map Options window can now be kept open while selecting options and updating the map without automatically closing. The option to ‘auto-close’ is still available. The user preference is saved in a cookie so the map starts with the Map Options dialog open if “Keep Open” is selected.
- Users can now manipulate the map while the Map Options window is open.
- “Set Default View” allows users to save a particular map view and zoom level as their default. Once set, users will return to their “Default View” each time they re-visit the map, or upon using the refresh button. “Reset” will remove the “Default View” setting and will reset the map to its original state.
- The ‘Current Zoom’ level is now interactive and dynamic throughout all zoom options (mouse, +/- buttons, or the slider bar in the Map Options).
- The “Label Display Level” allows users to dynamically set the zoom level at which the data labels will be displayed.
- Stacked arrow controls were added to all calendar controls to be able to increment and decrement the day without having to open the calendar control.

## Feature Additions – 11/13/2020

- Users can adjust the time window observations are mapped
- Users can adjust the data completeness threshold (percentage) for the accumulation maps

## Feature Additions – 10/26/2020

- Added ability to jump to Country, State, County from Map Options panel
- Grouped “Zoom to Current Location”, the location search, and the jump to Country, State, and County options into a “Where” field group within the Map Options panel.
- Added base maps; Gray, ESRI Streets, ESRI Topo, ESRI Imagery
- Changed Dark base map provider from Carto to Jawg
- Changes to the map display:
  - Labels do not appear until zoom level 9 instead of zoom level 8 (must be closer to see labels)

- Made the markers slightly larger at intermediate zoom levels where the markers appear
- Moved labels below markers and spaced them out so markers are more clearly visible
- Added accumulation maps for “New Snow Depth” and “New Snow Water Content”
- Set the info-window detail link on accumulation snow maps to go to the Station Snow Summary report instead of the Station Precip Summary report
- Changed “About” link in header to “Help”

## Updates/Bug Fixes – 2/21/20

- The “Zoom to Window” control on the upper left of the map window now automatically turns off once the zoomed window is displayed.
- Updated the legend to not display “24-hour” for snow on ground fields.
- Fixed display issue on iOS browsers where the header could be scrolled off the screen.
- Fixed the trace handling on accumulated precip maps so that if a station had no precip, but did have at least one trace value, it displays as trace instead of zero.
- Fixed the accumulated precip maps so that the first and last dates include multiday obs values where they had been limited to the first and last daily obs values.
- Fixed an issue where the date display in the legend would change if the dates in the Map Options dialog were changed, they should always reflect the values of the current map being displayed.
- Upgraded the app and to reduce the file size and improve performance.

## Updates/Bug Fixes – 11/13/2020

- Fixed bug in quick date picker where it displayed a date range when the single day date was changed in the Map Options panel
- Changed map settings cookies to expire 365 days after being set instead of until the browser session ends. This fixes the bug where the cookie was deleted when the browser was closed, i.e. not saving it for the next map session.
- Fixed legend to display “Max” instead of “Accumulation” for “Snow on Ground Depth” and “Snow on Ground Water Content” for date range maps

## Planned Features for Future Updates (in no particular order)

- Make it possible to toggle off map labels
- Add an option in the Map Options window to "Save current view as default map".
- Increase the speed at which the data syncs between the CoCoRaHS database and the mapping database from 5 minutes to 2 or 3.
- Save the state of the map legend (open or minimized) to the user preference cookie