

# Surface Water Data Viewer (SWDV) Version Release Notes

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Last Updated: 4/29/2026

This log and version numbers begin with the viewer’s software transition from Geocortex to Vertigis in 2024. Version numbers represent major updates, minor updates, and bug fixes (major.minor.bug). Detailed version tracking began with Version 2.0.0.

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## **SWDV Version 1.0.0**

Released: 12/4/2024

Project: DNR IT's Web Mapping Modernization (WMM)

Overview: Transitioned from Geocortex Essentials to Vertigis software. The main goal was replicating functionality.

- Recreated SWDV Map and App in Vertigis.
- Created search tools for:
  - Lakes & Open Waters
  - Rivers & Streams
  - Assessment Unit – Lakes
  - Assessment Unit – Rivers Streams
  - Watersheds
  - Water Management Units (WMUs)
  - SWIMS Station
  - USGS Station
  - Dam
  - Floodplain Analysis
  - City, Town, Village
  - Coordinates
  - County
  - Town, Range, Section
  - Address
- Out of the box tools added:
  - Locate
  - Draw
  - Buffer
  - Identify
  - Results display
  - Data Upload
  - Data Export
  - Share Link
- New links on Help & Resources Tool Tab:
  - Watershed Explorer (WEx)
  - Find a Lake
  - R&R Viewer
  - Boat Access Viewer
- Added DNR IT's Print Templates (8.5x11 portrait and landscape) and Print Engine.
- Added DNR IT's adjusted global search for the search bar.
- Replaced sediment layers (except Engineered Sediment Caps) with Remediation and Redevelopment sediment layers.
- New Functionality:
  - Right-click tool for opening Google Maps at the same location.
  - An Acronyms button and panel.
- Missing functionality:
  - Themes
  - 24K River Stream layer with single WBIC records.
  - Ability to search for lakes using County.
  - Click-identify on a subset of layers, rather than those turned on.
  - HUC search tool.
  - 11x17 Print Layout
  - Symbology in the layer list.\*
  - Distinguishable child layer indentation. \*
  - Ability to upload KML files.\*
  - Share Project\*\*

\* Functionality not available in Vertigis at time of release.

\*\* Functionality not added back due to recommendations by DNR IT Admins.

Additional updates were made regarding which layers were identifiable and searchable, but these were not captured in versions.

## **SWDV Version 2.0.0**

Released: 2/24/2025

Project: DNR IT's Web Mapping Modernization (WMM)

Overview: Final update for WMM project. Main goal was to finish replicating functionality of Geocortex version.

- Added Themes:
  - Dams & Floodplains
  - Dam Safety Grants
  - Fisheries Assessments
  - Fish Consumption Advisory
  - Construction Permits
  - Designated Waters
  - Non-Landfill Solid Waste Facility ISI
  - Wetland & Wetland Indicators
  - SPARROW
  - Wild Rice Waters
  - Find Watershed
  - Find WMU
  - Find City/Town/Village
  - Find SWIMS Station
  - Find FAD Project
- Updated search tools:
- Adjusted visibility of cached Wetland Layers to fix icons that were not scaling properly.
- Added tool tip buttons and text box popup for tools: Upload Data, Draw, Buffer, Measure.
- Created a detailed how-to guide for the Vertigis tools within the viewer.

## **SWDV Version 2.1.0**

Released: 3/3/2025

Project: SWDV Maintenance

Overview: Added imagery layers and reorganized Surface Water layers.

- Added Leaf On and Leaf Off imagery layers for scale between 1:2500 and 1:495. The existing Leaf On and Leaf Off imagery layers span the scale 1:2200000 to 1:2500.
- Moved Surface Water Cached layers from Base Maps layer group to Surface Water layers group.
- Updated Themes to match new location of Surface Water Cached layers.
- Turned on 'Identify' function for 24K\_QUAD\_INDEX sublayer under Topographic Maps layer.

## **SWDV Version 2.2.0**

Released: 7/10/2025

Project: SWDV Maintenance and Redesign Prep

Overview: Added information on upcoming enhancements.

- Reorganized Help & Resources Tool tab:
  - Created sub-menu for Other Viewer.
    - Moved all viewer links under this sub-menu.

- Added link for SW4P Viewer.
  - Added button titled 'Change Schedule'.
  - Added button titled 'Update Email List' for SWDV GovDelivery List signup.
  - Reorganized buttons to put change information first.
- Added panel titled 'Upcoming Changes' that is opened by the 'Change Schedule' button.
- Updated map with symbology for upcoming changes, \* for removals and ^ for reorganization.
- Fixed wetland map service link.

## **SWDV Version 2.3.0**

Released 7/15/2025

Project: SWDV Maintenance

Overview: Added Imagery Index

- Added index layer for leaf on and leaf off imagery layers; made layer identifiable so users can see the year the imagery was taken.

## **SWDV Version 3.0.0**

Released: 9/11/2025

Project: SWDV Enhancements – Phase 1

Overview: Scheduled removal of select layers.

- Removal of Sediment layers.
- Removal of select Assessment & Impairment layers.
- Removal of duplicate Native American Lands layer.
- Addition of Layer Catalog Tool with presets for Sediment, FEMA, and LiDAR.

## **SWDV Version 3.0.1**

Released: 11/12/2025

Project: SWDV Maintenance

Overview: Update imagery scales, theme bug fix

- To optimize resource use:
  - Imagery, Leaf Off cached layer scale changed to 1:1,250 for the maximum.
  - Imagery, Leaf Off dynamic layer scale changed to 1:1,300 for the minimum.
  - Imagery, Leaf On cached layer scale changed to 1: 6,000,000 for the minimum and 1:4,000 for the maximum.
  - Imagery, Leaf On dynamic layer scale changed to 1:4,000 for the minimum.
- Fixed Dams & Floodplain Theme settings to unhide a layer.

- Fixed Wetland & Wetland Indicators Theme to turn on dynamic wetland layers.
- Fixed Default Theme to match default layers.

## **SWDV Version 3.1.0**

Released: 12/3/2025

Project: SWDV Maintenance

Overview: Update reference layer sources; remove broken and problem links.

- Changed reference source for layers under Basemaps, ‘Cities, Roads, Boundaries’ and ‘Public Lands’.
- Removed and replaced old, broken link to DNR Logo.
- Removed link to SWIMS data from the Monitoring Station pop-up window (link removed: [https://apps.dnr.wi.gov/swims/StationResults/StationDetails?id={MONIT\\_STATION\\_SEQ\\_NO}](https://apps.dnr.wi.gov/swims/StationResults/StationDetails?id={MONIT_STATION_SEQ_NO})) due to SWIMS database issues.
- Updated Monitoring Station pop-up metadata page link to: <https://widnr.widen.net/content/7a9n9ukmbv/pdf/WisconsinSurfaceWaterMonitoringStations.pdf?u=r9bcbb>

## **SWDV Version 3.1.1**

Released: 2/18/2026

Project: SWDV Maintenance

Overview: Replaced remaining layers referencing retiring basemaps.

- Replaced three layers for Federal Lands (under Base Maps, Public Lands).
- Replaced State Natural Area layer (under Base Maps, Public Lands).

## **SWDV Version 4.0.0**

Released:

Test Version – 4/15/2026

Final Version – 5/18/2026

Project: SWDV Enhancements – Phase 3

Overview: Final phase of SWDV Enhancements project. Removal of FEMA and 2D floodplain layers.

- Changed layer header “Basemaps” to “Reference Layers”.
  - NRCS WI Soils moved under Reference Layers.
- Changed layer header “Wetland Indicators & Soils” to “Wetlands – Additional Data”.
- Changed layer header “Wetland Inventory” to “Mapped Wetlands”.
  - Combined Cached and Dynamic Wetland Inventory NWI layers.

- Moved layers “Wetland Identifications and Confirmations” and “waterway and Wetland Alterations” under this header.
- Changed layer header “Output & Determinations” to “Outfalls & Determinations”
- Added Basemap Picker tool with options of:
  - Default (DNR Detailed Feature VTL – WTM)
  - DNR Basic Feature VTL – WTM
  - DEM from LiDAR
  - Hillshade from LiDAR
  - No Basemap
- Added symbology into the layer list.
- Removed the following floodplain layers:
  - Digital FEMA Floodplains (National Flood Hazard Layer)
  - Paper FEMA Floodplains
  - Floodplain Analysis Data (Floodplain Studies)
  - Digital State Floodplains (Additional Non-FEMA)
  - 2D Water Surface Elevation
  - 2D Water Surface Elevation DEM
- Added the following layers to the Layer Catalog:
  - Digital FEMA Floodplains (National Flood Hazard Layer)
  - Paper FEMA Floodplains
  - Floodplain Analysis Data (Floodplain Studies)
  - Digital State Floodplains (Additional Non-FEMA)
- Updated themes to fit new layers layout.
- Removed the following themes:
  - Dams & Floodplains (redirected to SW4P)
  - SPARROW
  - All On
- Removed the “Upcoming Changes” button and tab.