

Wetland Mapping and Inventorying Tools

Wetland Condition Assessment Tool (WetCAT)

An interactive online mapping tool that provides a water quality and habitat condition assessment for each individually mapped non-tidal wetland in Virginia, plus some tidal marshes and shoreline condition information.

- [Background & related links](#)
- [WetCAT Tool](#)
- Note: The tool can only function in Chrome and Firefox Internet browsers. It will not work properly in Internet Explorer. WetCAT has been published in the Wetland and Stream Rapid Assessment Book textbook, Chapter 2.2.8, in 2018 (Havens et al., Virginia Wetland Condition Assessment Tool [WetCAT]: A Model for Management, 2018).

WetCAT Story Maps

Examples how WetCAT can be applied to different wetland management and policy questions

- [WetCAT and climate resilience of wetlands for water quality](#)
- [Using WetCAT to identify restoration projects](#)
- [Expanding WetCAT into North Carolina](#) in the shared waterways of the Albemarle and Pamlico Sounds

AdaptVA Interactive Map Viewer

A collection of interactive GIS data layers related to coastal forecasts, sea level projections, built infrastructure, natural resources and restoration targeting.

- [AdaptVA Map Viewer Tool](#)
- Note: Wetland data layers are under Natural Resources:
 - Tidal Marsh – wetland areas covered by herbaceous plants in tidal waters; data source CCRM Shoreline Inventory reports (various dates).
 - Nontidal NWI Wetlands (all Virginia) – This layer displays nontidal wetlands extracted from the 2018 National Wetlands Inventory database. Each wetland has been assessed for water quality and habitat conditions based on surrounding landscape patterns and individual wetland characteristics. Visit [Virginia DEQ](#) or [CCRM WetCAT](#) to learn more about the wetland condition assessment.