



Virginia DCR Natural Heritage Program

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Virginia Department of Conservation and Recreation





Mission

To conserve Virginia's biodiversity through biological inventory, data management and analysis, protection, and stewardship.



- conservation planning
- environmental review
- land protection
- ecological management
- education and research















Species/Communities Search

Terms & Conditions

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Help

Welcome to the Virginia Department of Conservation and Recreation's Natural Heritage Data Explorer

This site provides interactive access to various map data representing Natural Heritage resources and other conservation values in Virginia.

ConserveVirginia, Virginia's statewide land conservation plan, is now available here.

The Virginia Natural Heritage Data Explorer was updated on May 20, 2019. To ensure the updates work correctly, we recommend refreshing your browser's cache. Instructions can be found here: https://www.refreshyourcache.com/en/home/

This site should be viewed in Firefox version 3.6 or higher, Google Chrome, or Safari version 3 or higher, or Internet Explorer 10 or higher,



Open Access: You do not need to register for use, nor log in, if you are interested in using the site for land use planning or conservation planning. Anyone can freely view and create maps of conservation status and conservation values, by clicking the "Map" tab above. Click the "Species/Communities Search" tab to search our database and create summaries of Natural Heritage Resources (i.e. rare species populations and natural communities) by conservation status ranks, counties, watersheds, and other descriptors.

Subscription Access: A subscription is required to access additional sensitive Natural Heritage Resources data, and/or to use the site for project review. If you represent a company, conservation organization or government agency looking for this service, please send an email with contact information and how your organization or company will utilize the website to nhderegister@dcr.virginia.gov. We will respond to your request within 5 business days.

User login	
E-mail or username *	
Password *	1
Create new account	
Request new password	
Log in	



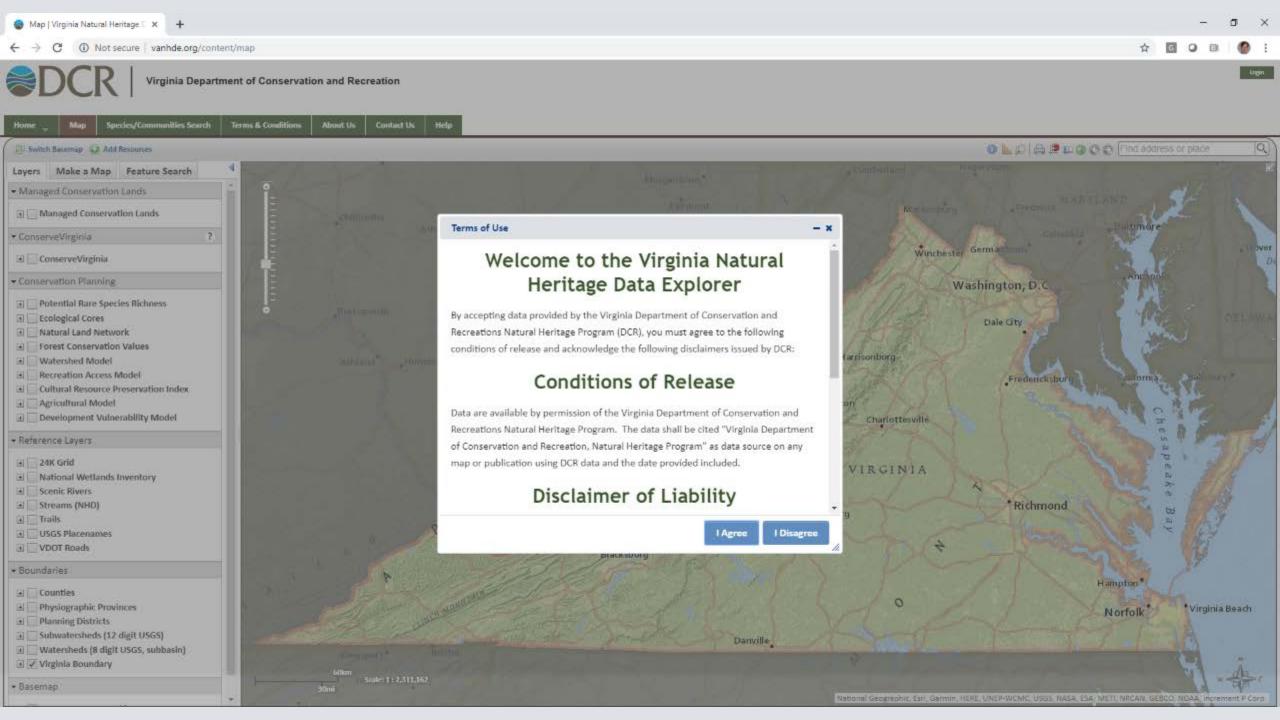
History of the Natural Heritage Data Explorer

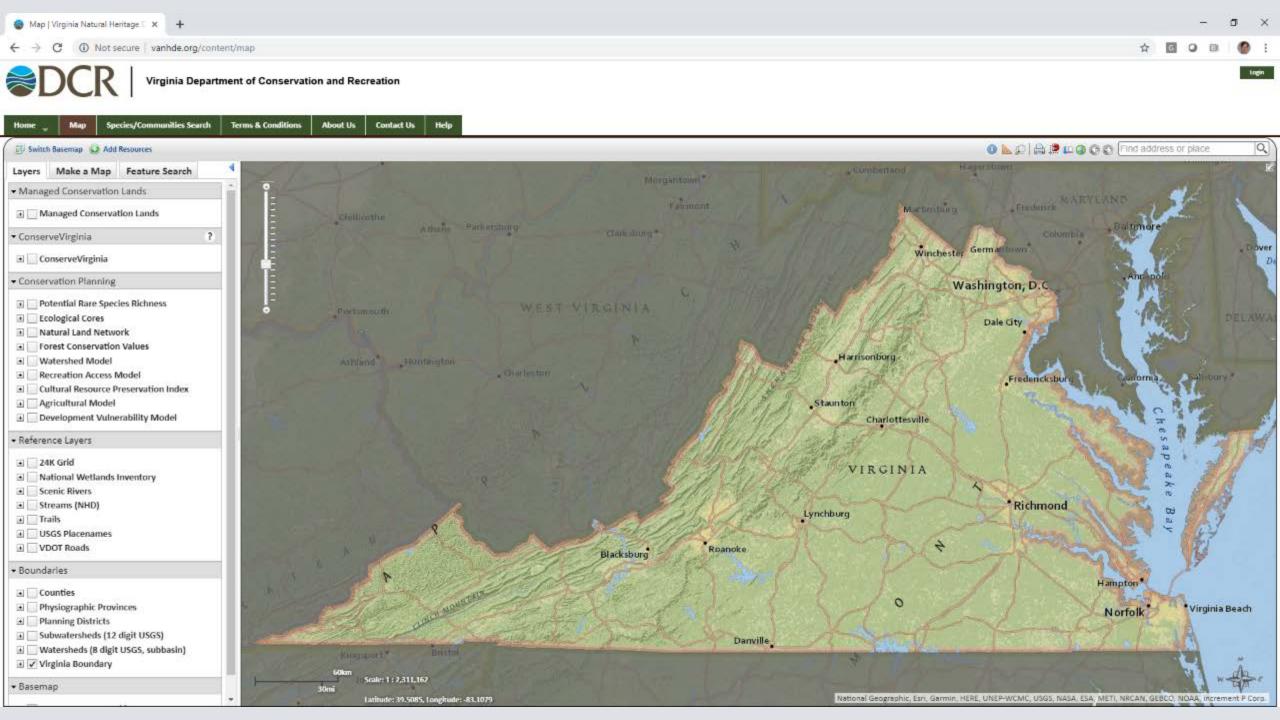
- Mid-2000's, contracted local consultant to develop two tools in ArcIMS
 - Natural Heritage Data Explorer (NHDE) for environmental review
 - Land Conservation Data Explorer (LCDE) for the conservation community
- By early 2010's, updates started to become too expensive
- As member program, approached NatureServe to develop and host site
 - In 2013, Virginia's tool was the first Environmental Review Tool (ERT) developed by NatureServe
 - Consolidated former NHDE and LCDE in one site
 - All other ERTs developed by NatureServe originated from the site developed for Virginia
 - Many benefits for the network of natural heritage programs
 - Makes ERTs more affordable by reducing development costs
 - Allows all programs to benefit from improvements developed for other programs
 - Generates revenue for NatureServe

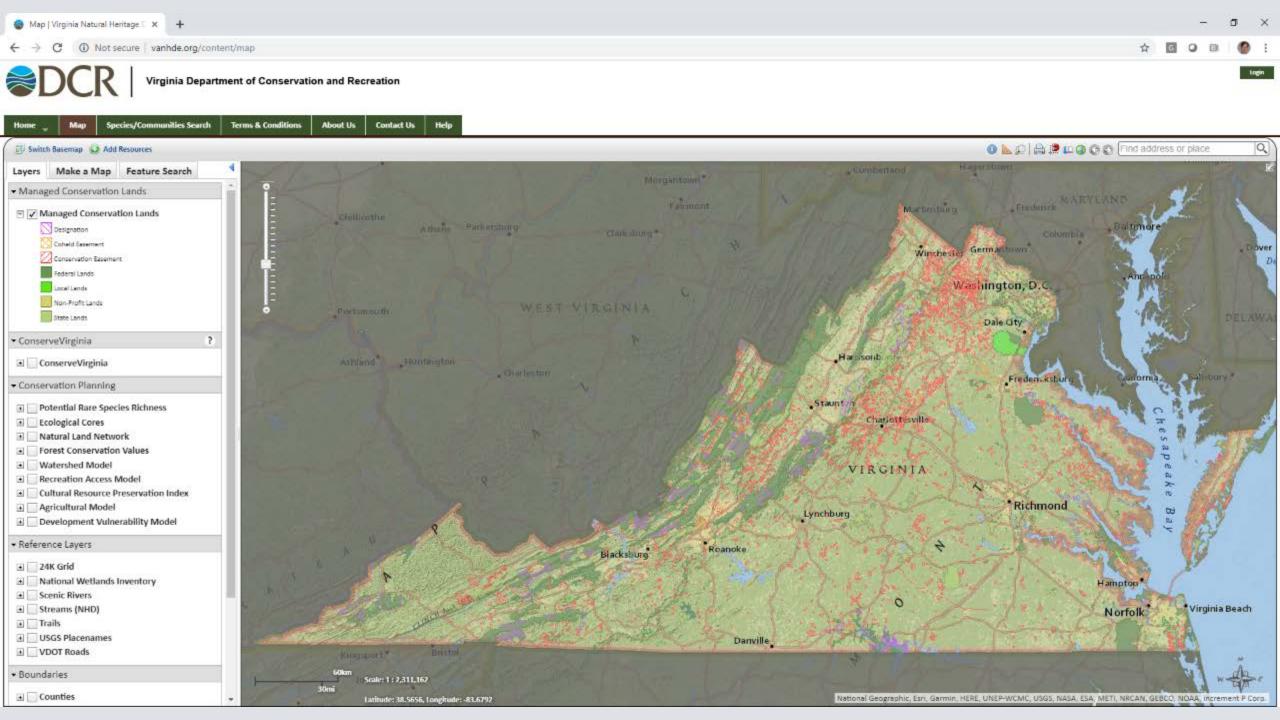


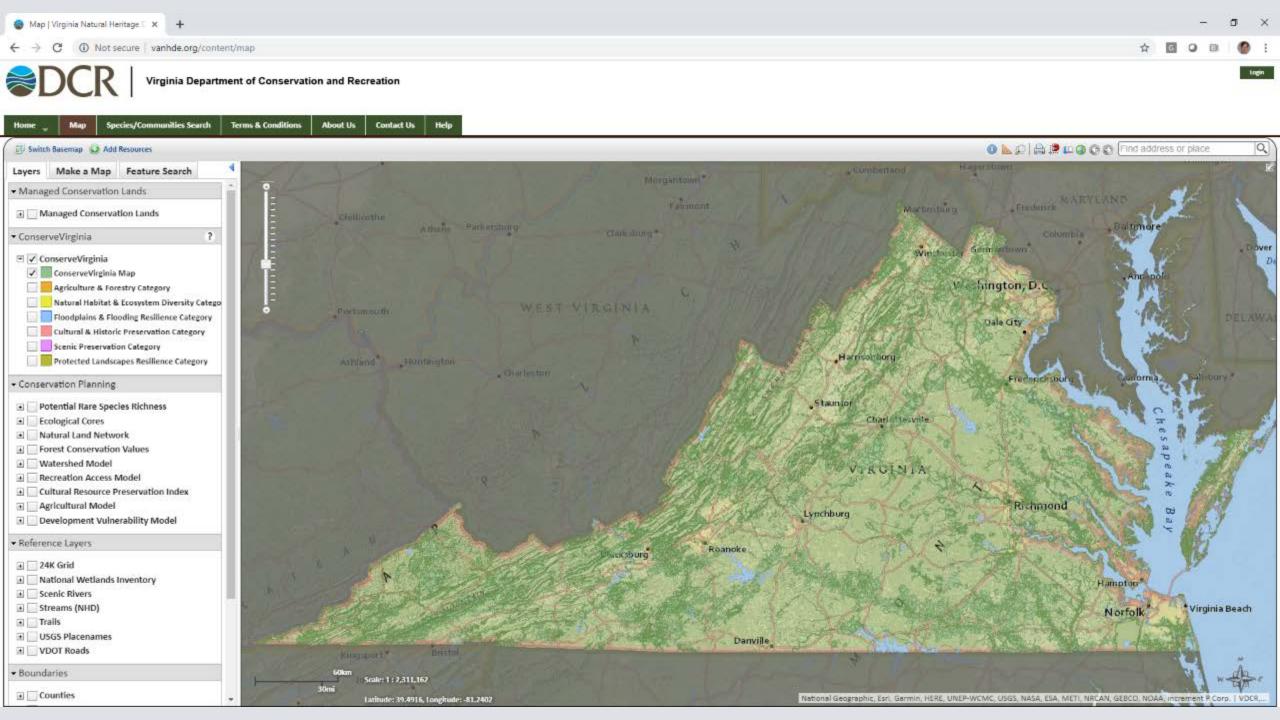
Benefits of Natural Heritage Data Explorer

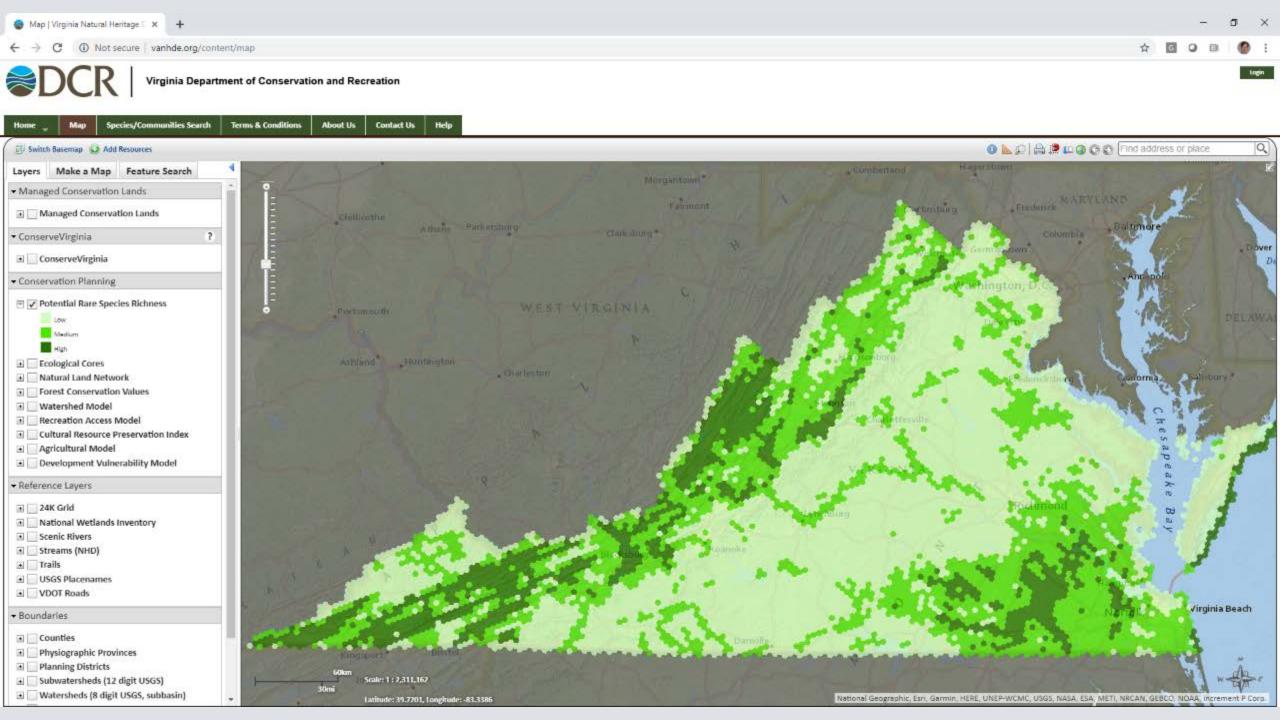
- It is the central portal for accessing natural heritage products
- It is live 24/7 for over 200 subscribers and likely thousands of public users
 - Subscribers include localities, state and federal agencies, consultants, and land trusts
- Project Review
 - Since 2013, projects submitted to site increased by 32%
 - Over 2,500 development and conservation projects submitted annually for review
 - Vital to timely provision of resource data to inform planning and development decisions
- Conservation Planning
 - Governor Northam's ConserveVirginia
 - Conservation Vision Virginia's conservation planning atlas
 - Mapped locations of rare plant and animal species, natural communities, and unique habitats
 - Habitat Suitability Models for over 160 of the rarest species in Virginia
 - Including all species listed as threatened or endangered by Virginia or the federal government
 - In the process of adding all globally rare species without government protections

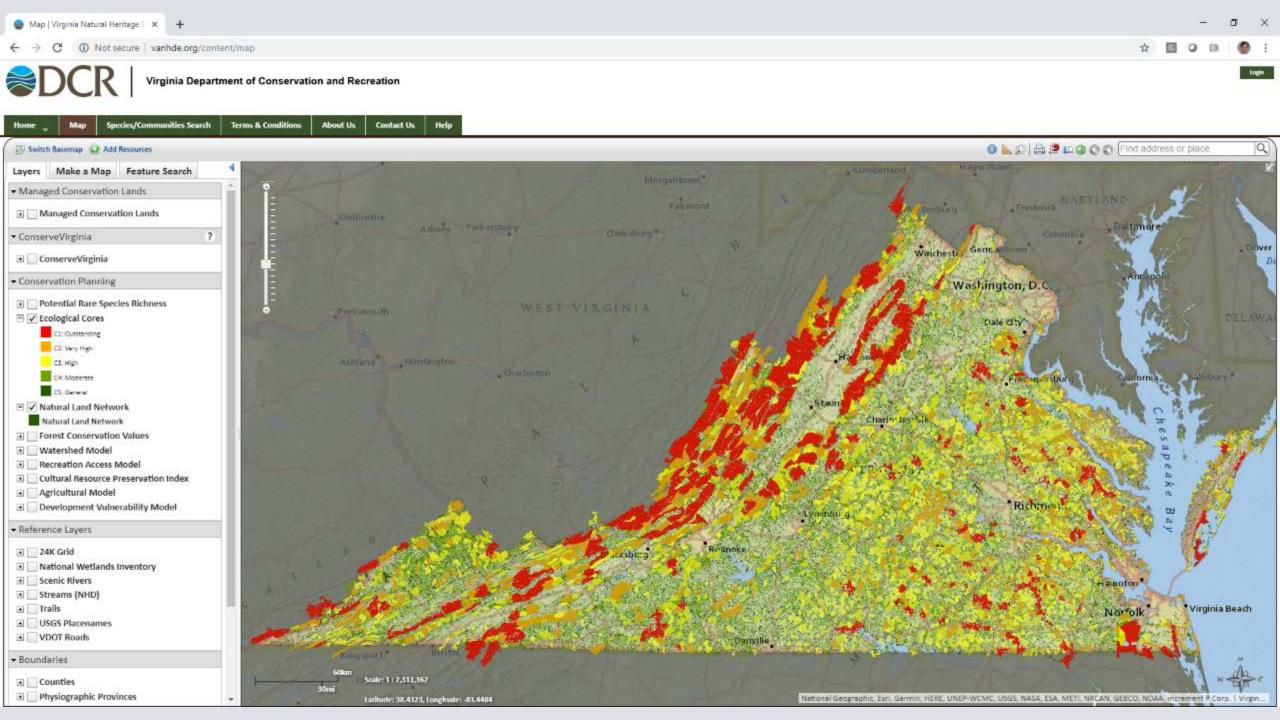


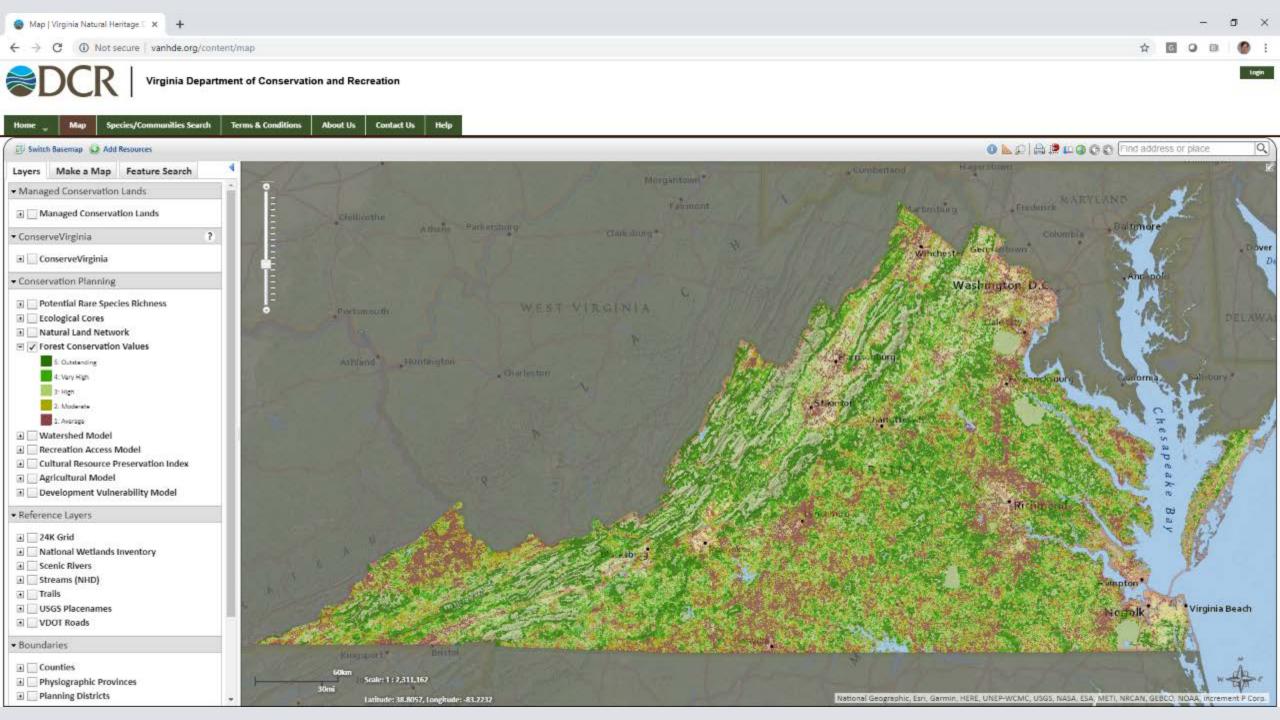


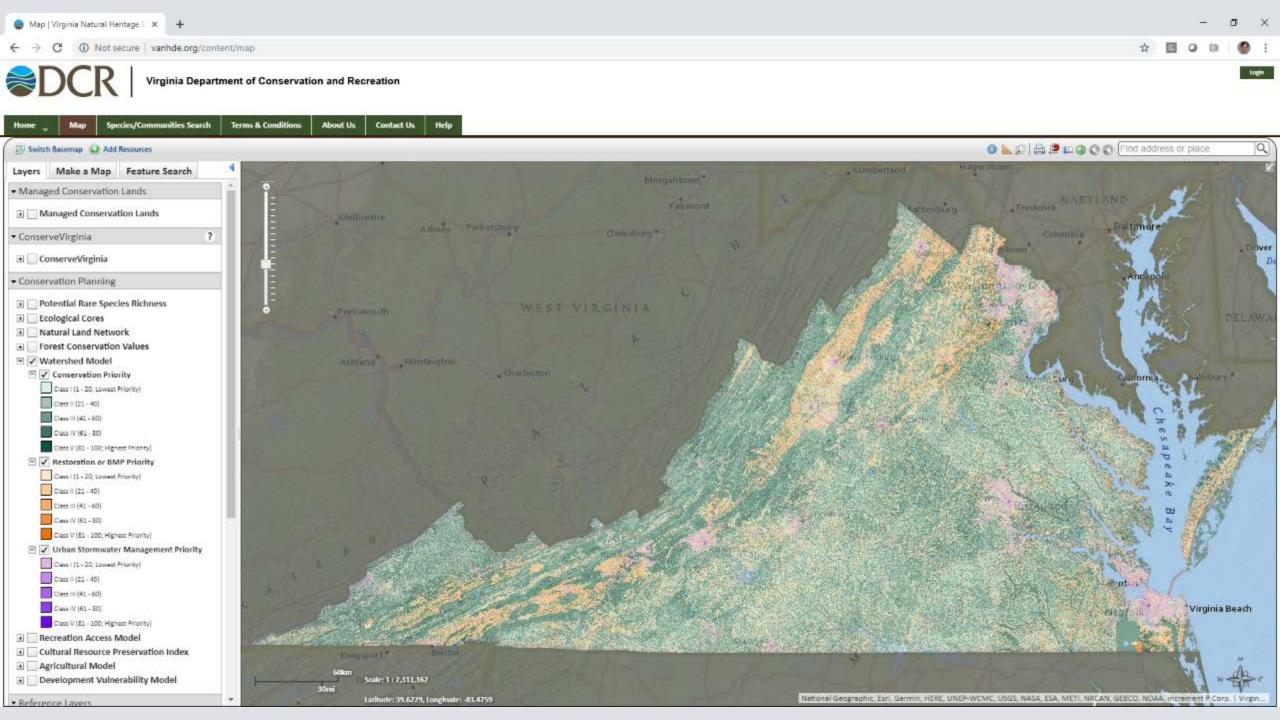


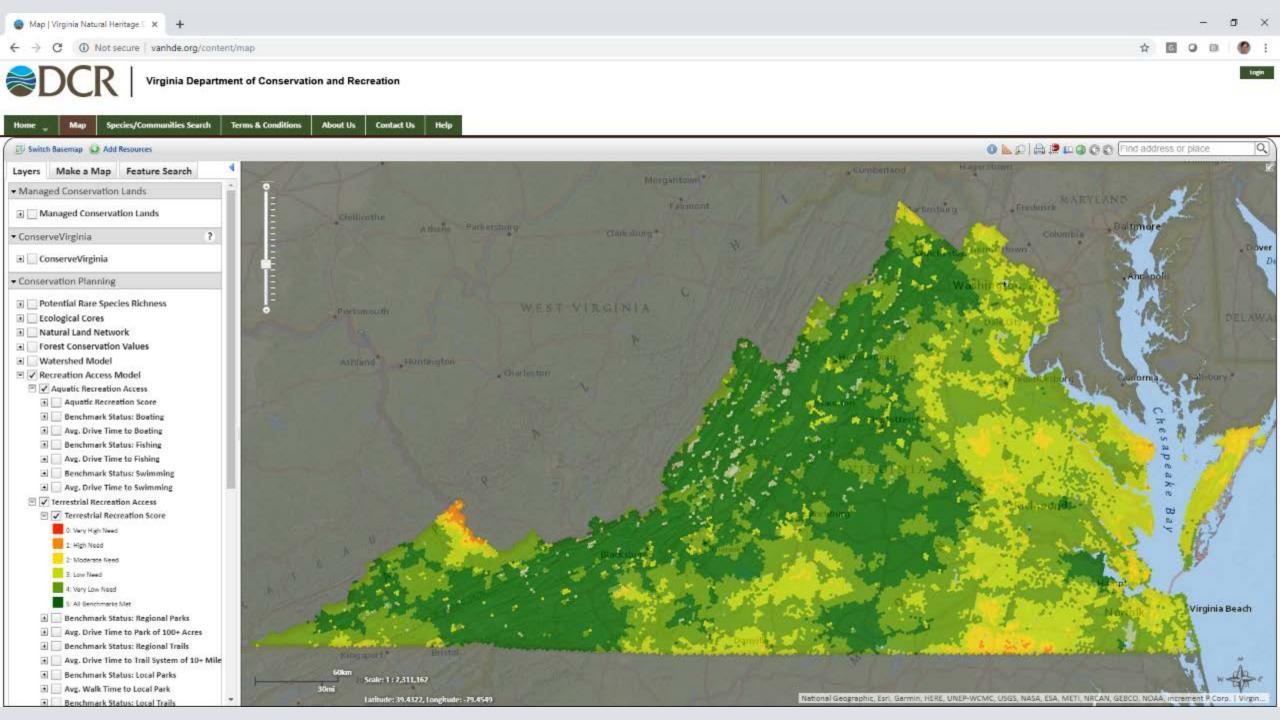


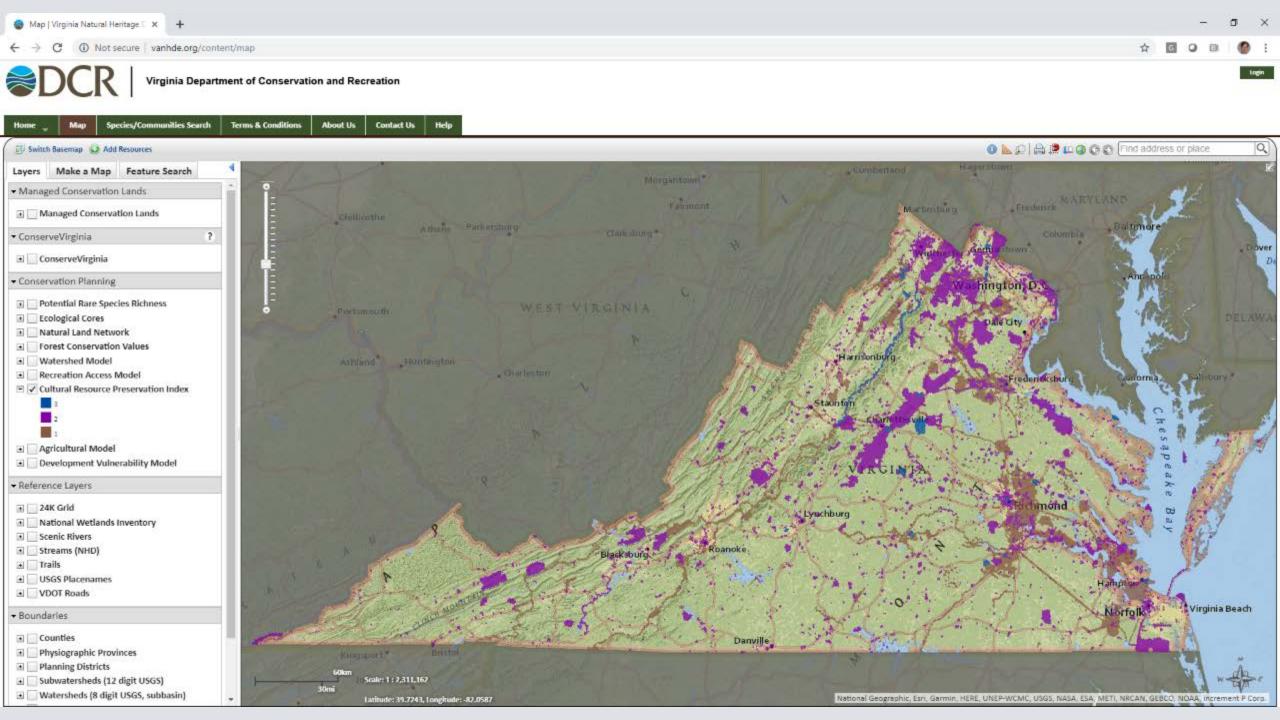


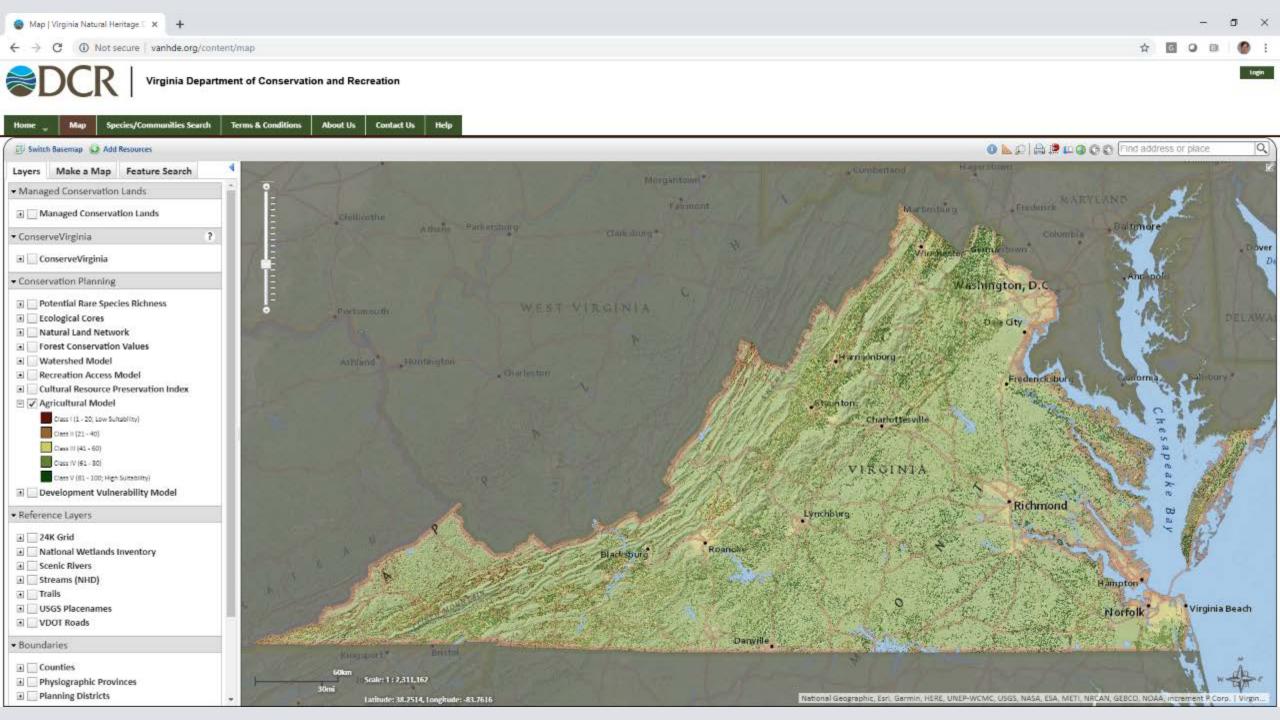


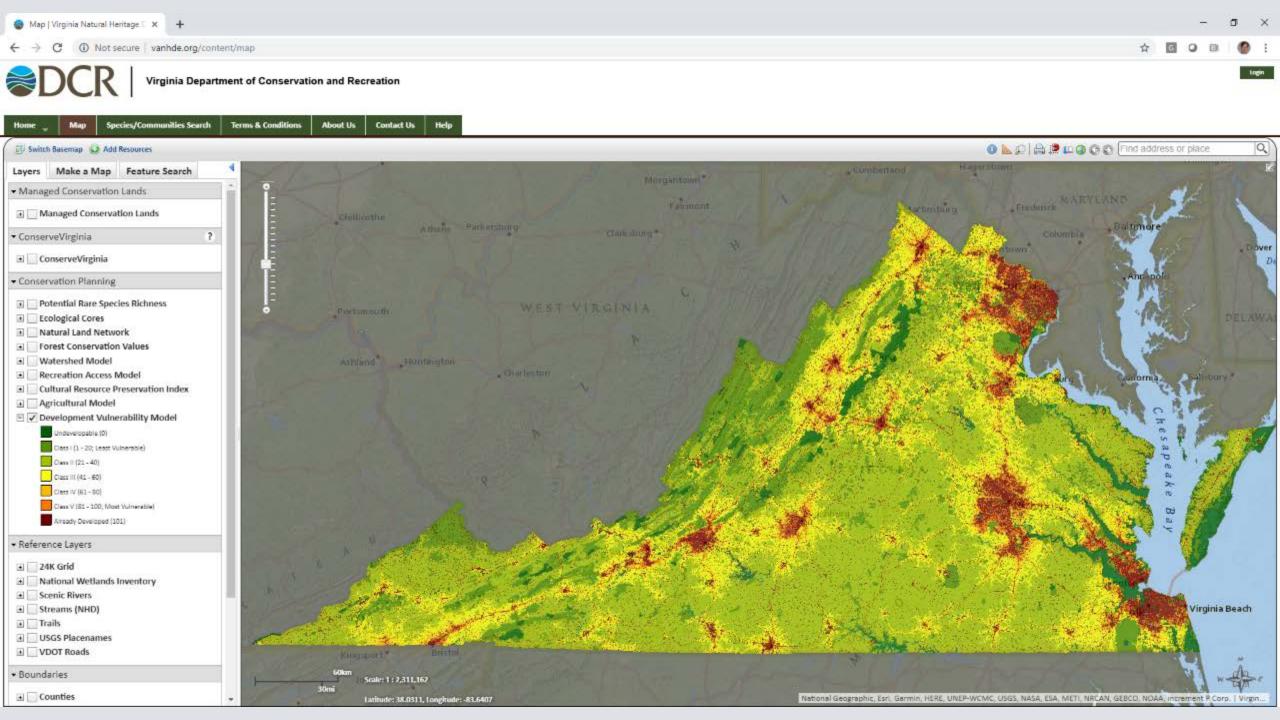


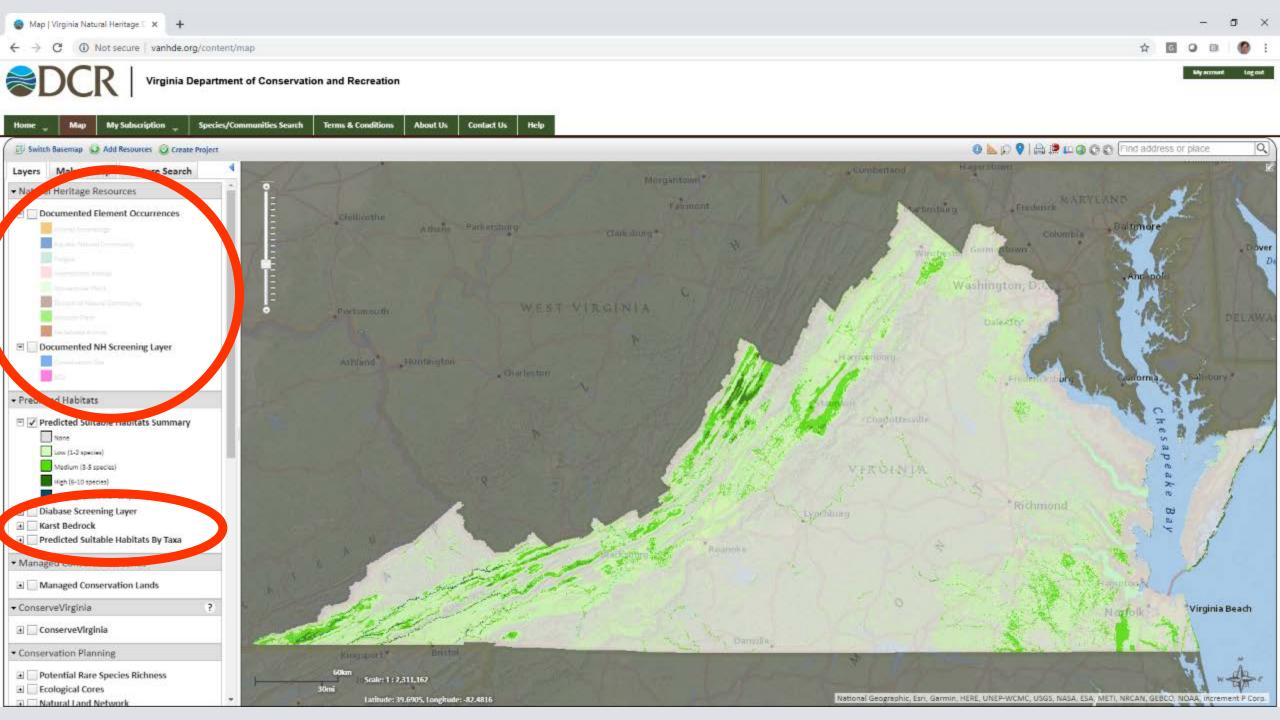


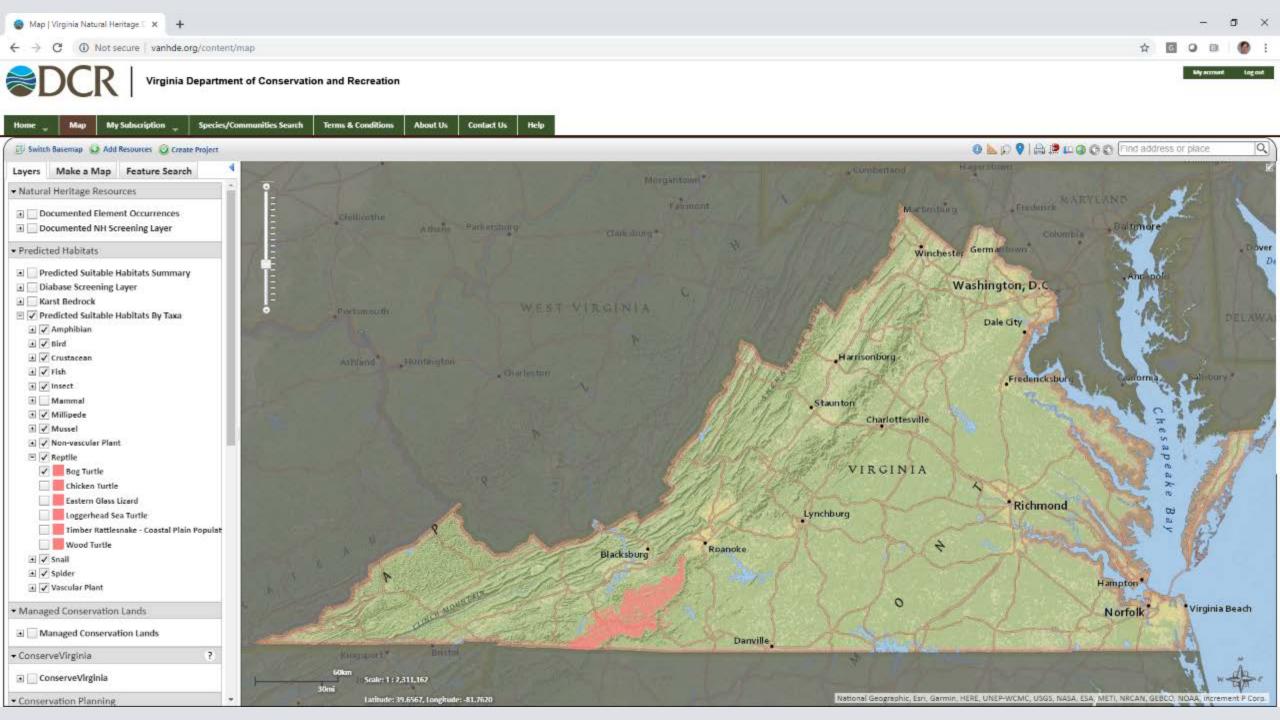














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Conserving Virginia's biodiversity through inventory, information management, protection, and stewardship