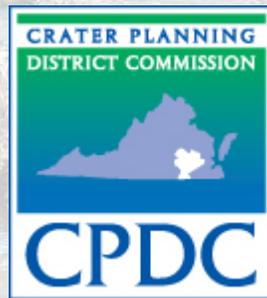


Virginia Coastal Zone Management Project

Final Deliverable Products Report
Task 42, Technical Assistance Program



Crater Planning District Commission

November 15, 2017



Virginia Coastal Zone
MANAGEMENT PROGRAM



This project was funded, in part, by the Virginia Coastal Management Program at the Department of Environmental Quality through Grant # NA16NOS4190171 of the U.S. Department of Commerce, National Oceanic and Atmospheric Administration, under the Coastal Zone Management Act of 1972, as amended.

Final Project Summary

The Technical Assistance Program includes various activities coordinated and provided by Crater Planning District Commission staff. All work relating to the products listed in the 2016 Virginia Coastal Zone Management Program Grant is summarized below. Any additional environmental tasks completed during the past year have also been outlined.

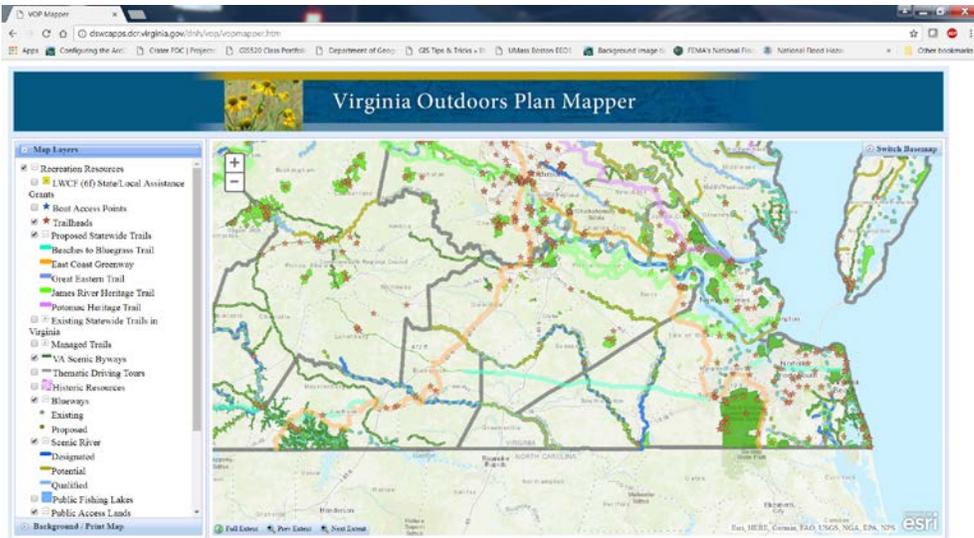
Product #1 – Environmental Impact Reviews

Commission staff reviewed 38 Environmental Impact Reports during the past year. The projects were varied and included wastewater treatment facilities, nuclear power plant operations, natural gas power plant operations, energy pipelines, MS4 permitting, the Southeast High Speed Rail Corridor, groundwater withdrawals, courthouse security enhancements, a chemical storage facility, and grant funding applications.

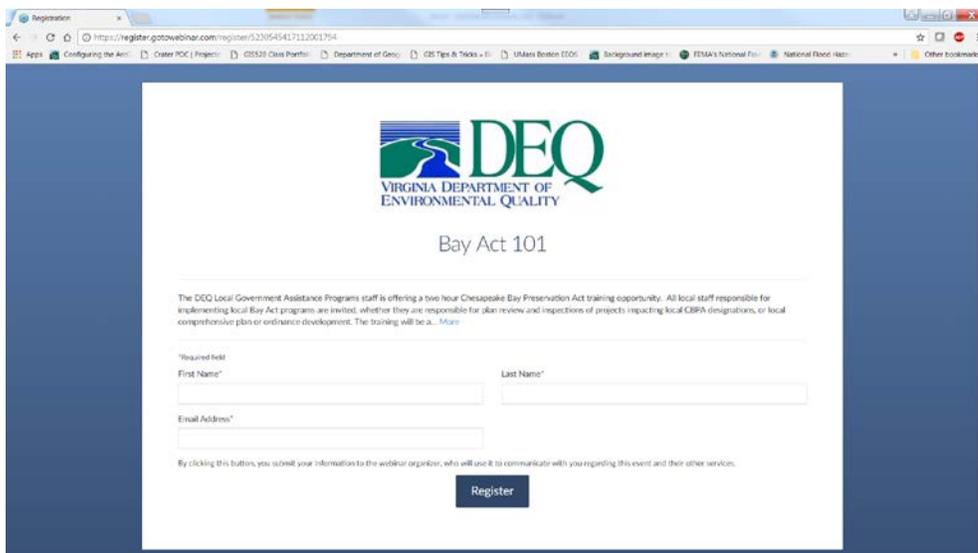
Product #2 – Report on Coastal Meetings

Five (5) coastal meetings were held during the past year (2016 - 2017): October 12, November 29, April 27, September 14, and September 19. In addition to local government and Crater PDC staff, representatives from the following entities attended at least once: Fort Lee, The Virginia Department of Transportation, The Virginia Department of Conservation and Recreation, The Virginia Department of Environmental Quality, and the Friends of the Lower Appomattox River (FOLAR). The main focus of each meeting is outlined below.

- October 12, 2016 – Virginia Outdoors Plan: Staff from Virginia DCR met with the Crater PDC to discuss annual updates to the Virginia Outdoors Plan (VOP) for the Crater region. Trail connections and development were the biggest focus including the Appomattox River Trail, potential connection to the Virginia Capital Trail, and integration with the East Coast Greenway.



- November 29, 2016 – Chesapeake Bay Preservation Act: The Crater PDC worked with DEQ and the Richmond Regional PDC to conduct a “Bay Act 101” workshop/webinar for the Central Virginia Region:



Local government staff responsible for implementing Bay Act programs were invited. The training was an overview of Bay Act requirements with an emphasis on common “problem areas” identified during recent compliance reviews. The agenda also outlined the compliance review process and upcoming changes to the program.

- April 27, 2017 – WIP III, Bay Act Program Compliance, and Grant Opportunities: Heather Mackey, Principal Environmental Planner with Virginia DEQ, presented several topics related to Chesapeake Bay Preservation.

PDC staff also presented information on concepts for connecting the [Appomattox River Trail](#) to the [Virginia Capital Trail](#).

- September 14, 2017 – Bay Act Program Compliance: Heather Mackey, Principal Environmental Planner with Virginia DEQ, gave a status report on Chesapeake Bay Act Program Compliance.

PDC staff again presented information on concepts for connecting the [Appomattox River Trail](#) to the [Virginia Capital Trail](#).

- September 19, 2017 – Floodplain Management Workshop: The Crater PDC worked with DCR and the Richmond Regional PDC to conduct a Floodplain Management Workshop. The workshop was held to assist DCR in helping all communities in Virginia know their flood risk and how to manage it. A copy of the workshop notice is included in the appendix.

Product #3 – Coastal Training

The Commission sponsored several training sessions on the following topics: 1) Virginia Outdoors Plan Update, 2) Chesapeake Bay Preservation Act, 3) Floodplain Management, 4) Appomattox River Trail Master Plan, and 5) Appomattox River Trail Branding and Signage Plan. Details for most of these topics are in the previous section.

Product #4 – FOLAR (Friends of the Lower Appomattox River)

The Commission staff continued its ongoing support for FOLAR by providing financial administration, meeting facilitation, website maintenance (www.folar-va.org), participation in river events, map production, office space, and grants administration. It continued to employ permanent part-time staff to handle its administrative duties.



Highlights of FOLAR activities included the following:

- Performed several local river clean-ups.
- Held its 10th Annual Battle or Paddle.
- Held its 2nd Annual 5K Trail Run at Appomattox River Regional Park
- Held its 3rd Annual RiverFest
- Maintained a [Facebook Page](#) of all FOLAR activities.



FOLAR continued to implement its Appomattox River “Trail Master Plan” and a “Trail Brand Identity and Signage Master Plan”. The Lower Appomattox River is a major tributary of the James River that meanders 23 miles eastward through six Virginia localities. It begins at the Lake Chesdin Brasfield Dam in Chesterfield County, flows through Dinwiddie County, the Cities of Petersburg and Colonial Heights, Prince George County, and converges with the James River at historic City Point in the City of Hopewell.

[Land Planning & Design Associates](#) (LPDA) produced the trail plan and [AB Design](#) produced the signage plan:

- [Appomattox River Trail Master Plan](#)
- [Appomattox River Trail Signage Master Plan](#)

Selected graphics from the Master Trail Plan are shown below. An overall trail map can be seen in the appendix. In addition, the appendix includes maps that will be put on outdoor displays along the trail at Petersburg and Hopewell.



Hopewell Marina Plan Enlargement Area



Petersburg West Plan Enlargement Area



Model showing potential improvements for Patton Park

The pedestrian trails in Patton Park will include a trail that takes people past the old Harvell Dam site and to a small park at the boat ramp and historic abutments just east of the Dominion Virginia Power substation (see photos at right). These abutments could be used for a pedestrian trail across the River, creating a convenient loop trail which would include the bridge abutments and both sides of the River.

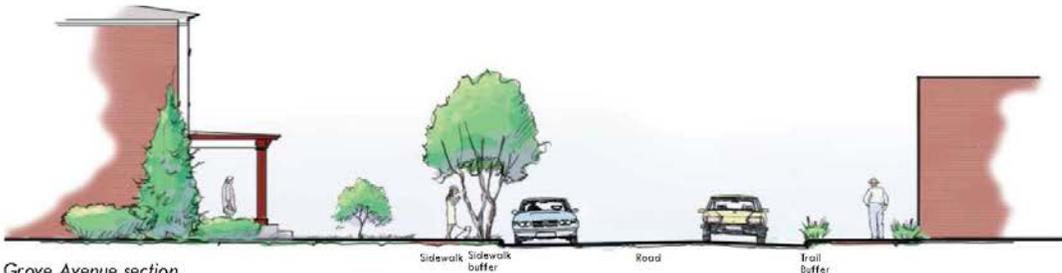


Existing conditions along edge of river

East of these bridge abutments, the trail would cross the railroad tracks into historic downtown Petersburg and continue east along Grove Avenue to the historic Peter Jones Trading Post (see section below). At this point, the trail will move over to Pike Street/River Street, a picturesque cobblestone street with ample opportunities for additional commercial ventures such as cafes, galleries, and gift shops. The trail along River Steet continues east under Boulevard, past the train depot, and across the tracks at the 3rd street crossing.



Rendering showing potential improvements along river



Grove Avenue section
2016

Sidewalk Sidewalk
buffer

Road

Trail
buffer

The chosen signage design is shown here:



Product #5 – Benefits Accrued From Prior CZM Grants

Commission staff maintained our Appomattox River Interpretive guide and online application: <http://www.craterpdc.org/webmaps/arig/>.

Additional Environmental Matters

Commission staff participated in several other environmental activities including the Richmond Area Environmental Education Network, Chesapeake Bay TMDL Planning, solid waste reporting, the Albemarle-Chowan Roundtable, the Middle James Roundtable, the Chesapeake Conservancy, floodplain analysis, and the Beaches to Bluegrass Trail. The Crater PDC attended the following environmental meetings and surveys:

- November 17, 2016 – CZM Partners Workshop
- January 17, 2017 – Coastal Virginia Ecological Value Assessment Survey
- January 18, 2017 – Coastal Policy Team Meeting
- August 3, 2017 – Coastal Policy Team Webinar on Focal Area Funding

Commission staff worked with VDOT, FOLAR, and [Michael Baker International](#) to begin a feasibility study on connecting the Appomattox River Trail to the [Virginia Capital Trail](#). The study is examining all possible ways to connect the two trail systems including a bridge across the James River, parking and shuttle services, and [ferry service](#). The study is planned to conclude in June 2018.

Appendix

- Floodplain Management Workshop Agenda
- Appomattox River Trail Master Plan
- Outdoor Display Map - Petersburg
- Outdoor Display Map – Hopewell Riverside
- Outdoor Display Map – Hopewell City Point

Crater Planning District Commission Floodplain Management Workshop

EVENT DESCRIPTION:

Please join us for a one-day workshop for local officials involved in floodplain management. This workshop will introduce participants to the VA DCR Floodplain Management staff and provide updated training on floodplain management requirements. Lunch will be provided.

WHEN:

September 19, 2017 | 9:00 AM to 5:00 PM

WHERE:

Eanes-Pittman Public Safety Training Center
Rooms C & D (Chesterfield County)

REGISTRATION:

To register, please contact Mark Bittner with the Crater Planning District Commission at 804-861-1666 (x237) or mbittner@craterpdc.org. RSVPs appreciated by September 12, 2017.

Workshop Topics Include:

Benefits of the National Flood Insurance Program

Floodplain Ordinances

Permitting Requirements

How to use Flood Hazard Data & Maps

Community Rating System

DCR Floodplain Program Updates

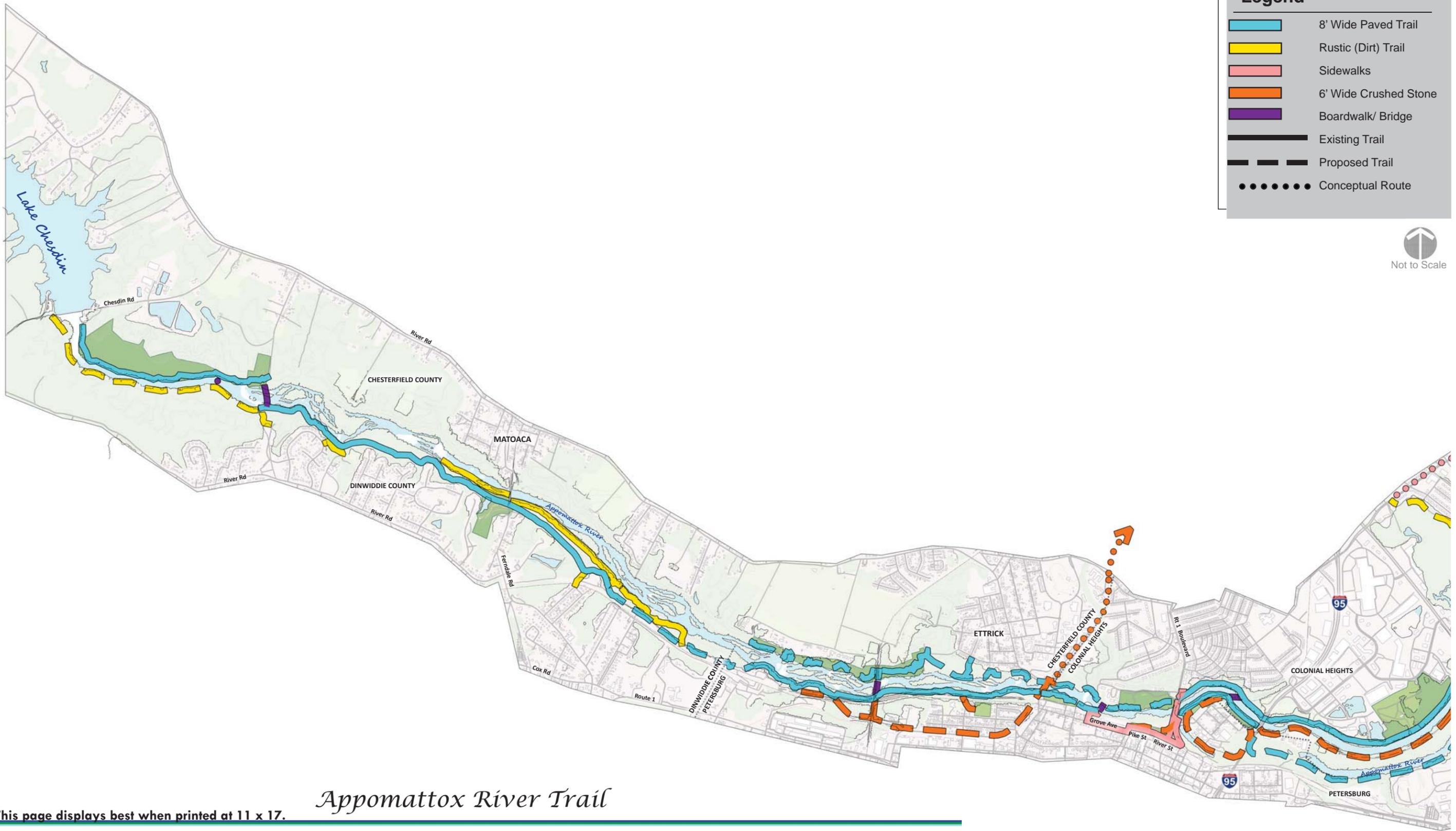
Virginia Flood Risk Information System (VFRIS)

Approved for 7 CECS for Certified Floodplain Managers. Eligible for VAZO & CEM recertification.



Event Street Address:

Eanes-Pittman Public Safety Training Center (Chesterfield County)
6610 Public Safety Way | Chesterfield, VA 23832



Legend	
	8' Wide Paved Trail
	Rustic (Dirt) Trail
	Sidewalks
	6' Wide Crushed Stone
	Boardwalk/ Bridge
	Existing Trail
	Proposed Trail
	Conceptual Route



Appomattox River Trail

Trail Types - West

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Legend

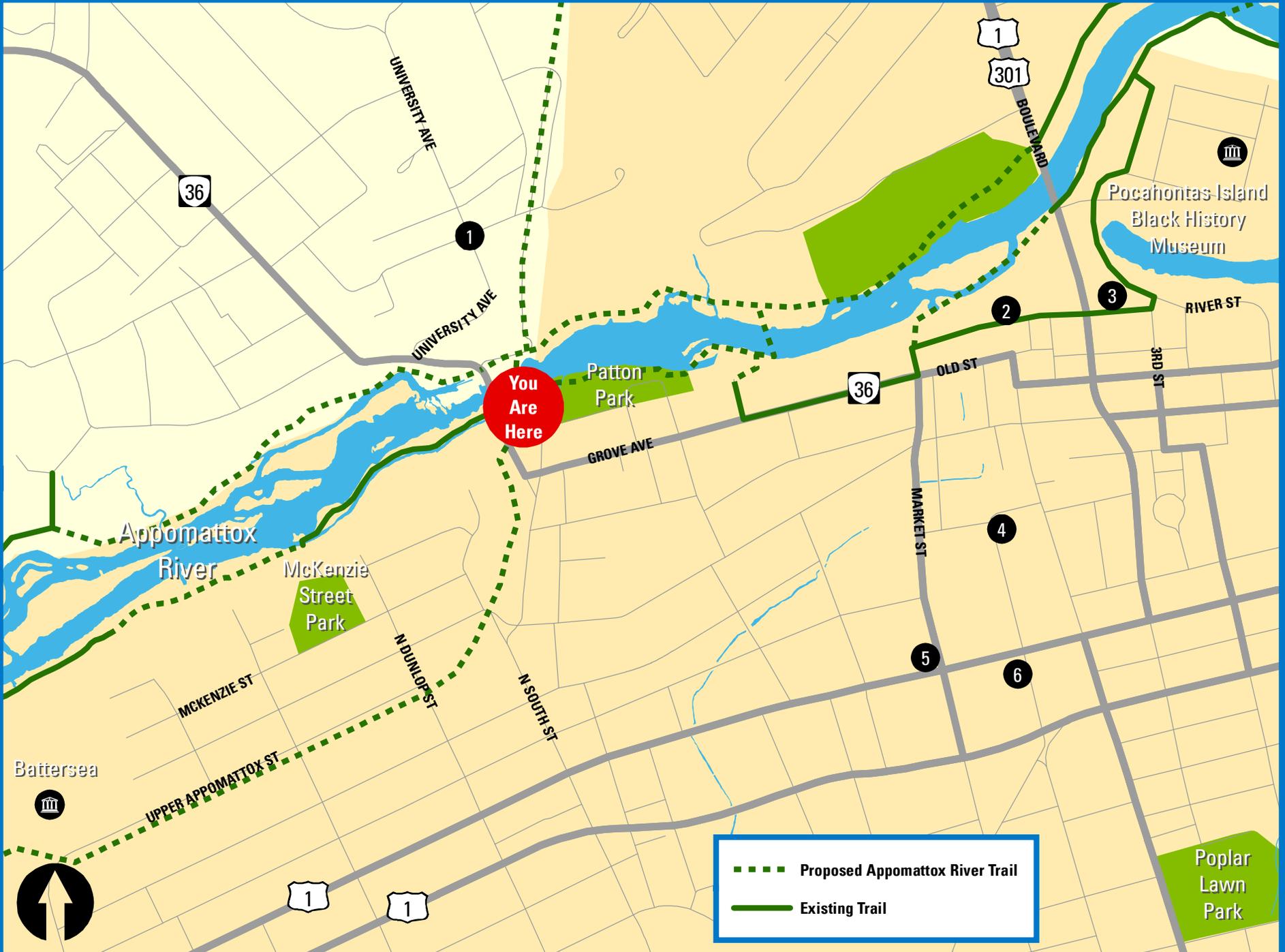
- 8' Wide Paved Trail
- Rustic (Dirt) Trail
- Sidewalks
- 6' Wide Crushed Stone
- Boardwalk/ Bridge
- Existing Trail
- Proposed Trail
- Conceptual Route



Not to Scale



**** This page displays best when printed at 11 x 17.**



-  Future Hopewell Riverwalk Trail
-  Proposed Appomattox River Trail
-  Existing Trail

James River

City Point

Appomattox River

Hopewell City Marina

Hopewell Riverside Park

Hopewell City Park

You Are Here

To Benjamin Harrison Memorial Bridge



