



Accomack-Northampton Planning District Commission

Transportation Technical Advisory Committee

AGENDA

Transportation Committee	Members
<p>Date: Nov. 27, 2018 Time: 1:30 PM</p> <p>Location: VDOT Residency Conference Room 23096 Courthouse Road Accomac, VA 23301</p> <p>PROPOSED AGENDA:</p> <p>I. Call to order</p> <p>II. Approval of Minutes (pp. 2-4) A. May 22, 2018 B. <i>No meeting July 24, Sept 25, 2018</i></p> <p>III. Staff Update</p> <p>IV. Unfinished business A. Phase III & IV Southern Tip Bike Trail update B. Pedestrian Facilities Study update C. Ditch Outfalls update</p> <p>V. New business A. Funding Opportunities Update B. Coordinated Human Service Mobility Plan</p> <p>VI. Public participation</p> <p>VII. Next meeting – Jan. 22, 1:30 p.m.</p> <p>VIII. Adjourn</p>	<p>Joe Bulin, ESCSB, Alt. Vanessa Cousineau, ESAAA/CAA representative Larry DiRe, Cape Charles representative Robert Duer, Town of Exmore Barbara Haxter, Accomack Airport* Tim Holloway, Chesapeake Bay Bridge Tunnel* Chris Isdell, VDOT Accomac Residency* Abra Jacobs, Center for Independent Living William Kerbin, Town of Onancock Susan McGee, Northampton County* Bill Moore, STAR Transit Rich Morrison, Accomack County* Alex Parry, Bay Coast Railroad Jerry Pauley, VDOT, Alt.* Ivan Rucker, FHWA Lisa Sedjat, ESCSB or Barbara Young, Alt. Curt Smith, A-NPDC* Eric Stringfield, VDOT District Planner* VACANT, Accomack County, Alt. Jim West, Chincoteague* Ron Wolff, ANTDC*</p> <p>STAFF: Elaine Meil, A-NPDC Clara Vaughn, A-NPDC Keisha Wilkins, VDOT</p> <p>2019 MEETING DATES, all at 1:30 pm: Jan. 22, Mar. 26, May 28, Jul. 23, Sep. 24, Nov. 26</p> <p>CONTACT: Clara Vaughn claravaughn@a-ndpc.org 757-787-2936 x127</p> <p>FOLLOW US: www.a-ndpc.org</p> <p>*Voting Members</p>

Accomack-Northampton Planning District Commission
23372 Front Street
P.O. Box 417
Accomac, VA 23301



Podemos ofrecer servicios de interpretación para la reunión. Por favor, llámanos tres días de anticipación para que podamos servir mejor a usted. 757-787-2936, ext. 127



Accomack-Northampton Planning District Commission

Transportation Technical Advisory Committee

AGENDA & DRAFT MINUTES for review at Nov. 27 meeting

Agenda and Draft Minutes	Members Present
<p>Date: May 22, 2018</p> <p>Time: 1:30 PM</p> <p>Location: Northampton County Admin Building Conference Room 201 16404 Courthouse Road Eastville, VA 23347</p>	<p>PRESENT: Larry DiRe, Cape Charles representative Stewart Hall, Accomack County, Alt.* Tim Holloway, Chesapeake Bay Bridge Tunnel* Bill Moore, STAR Transit Susan McGhee, Northampton County* Jerry Pauley, VDOT, Alt.* Curt Smith, A-NPDC* Ron Wolff, ANTDC*</p> <p>ABSENT: Joe Bulin, ESCSB, Alt. Vanessa Cousineau, ESAAA/CAA representative Robert Duer, Town of Exmore Barb Haxter, Accomack Airport* Chris Isdell, VDOT Accomac Residency* Abra Jacobs, Center for Independent Living William Kerbin, Town of Onancock Rich Morrison, Accomack County*, Vice Chairman Alex Parry, Bay Coast Railroad Ivan Rucker, FHWA Lisa Sedjat, ESCSB Eric Stringfield, VDOT District Planner* Jim West, Chincoteague* Barbara Young, Alt. for Lisa Sedjat, ESCSB</p> <p>STAFF PRESENT: John Gordon, Summer Intern, A-NPDC Barbara Schwenk, A-NPDC, Secretary</p>
<p>IX. Call to order</p>	
<p>X. Approval of Minutes</p>	
<p>XI. Staff Update</p>	
<p>XII. Unfinished business</p>	
<p>XIII. New business</p>	
<p>XIV. Public participation</p>	<p>2018 MEETING DATES – 1:30 p.m. July 24 September 25 November 27</p>
<p>XV. Next meeting - July 24, 1:30 p.m.</p>	
<p>XVI. Adjourn</p>	<p>CONTACT: Barbara Schwenk bschwenk@a-ndpc.org 757-787-2936 x127 Tues thru Thurs</p> <p>FOLLOW US: www.a-ndpc.org</p> <p>*Voting Members</p>

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 23372 Front Street
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 Accomac, VA 23301



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- I. Call to Order: A quorum being present, Chairman McGhee called the meeting to order at 1:30 pm.
- II. Approval of Minutes: Minutes of the March 27, 2018 meeting were approved by motion of Mr. Wolff, seconded by Smith and carried unanimously.
- III. Staff Update: Ms. Schwenk presented the attendance record and contact information for members. McGhee noted a new email address for Kelley Lewis.

IV. Unfinished Business:

A. **Phase III Southern Tip Bike/Hike Trail Progress** – A discussion ensued about options for placing the trail somewhere other than along Stone Road from Parsons Circle Road, where The Nature Conservancy’s property ends. Because Canonie-Atlantic, the railroad’s owner, is considering cessation of service in the Cape Charles area, the TTAC discussed alternate routes including placing the trail on the south side of the existing tracks, crossing private parcels until arriving at the “Keck” parcel owned by the Town of Cape Charles, and continuing onto the new Route 642 and a Bay Creek parcel. A more direct route would be to follow the line of the existing tracks, but no certainty about any one route can be expected at this point.

Members also discussed liability for a public trail, the cost of maintenance, and the importance of ownership. There will be an effort to form a public/private partnership to address these concerns and to mitigate the amount of match funding that local government would need to provide for federal grant funding.

Staff reported that A. Morton Thomas Engineers has drafted the feasibility study and preliminary engineering report and will be instructed to evaluate the feasibility of additional routes as above.

B. **Private Roads** – Staff presented the draft of this inventory and needs assessment for TTAC review and comment. There was discussion about what the purpose of the study was. It was generally agreed that the purpose was to identify those unpaved, private roads that were in the worst condition—those that emergency services had difficulty negotiating. It was also agreed that consideration for low-income communities should be a priority when decisions are made about which roads should be improved. Staff was instructed to clarify this purpose in the introduction/executive summary and restate it in the conclusions.

Further discussion about ownership of the roadway parcels commenced. If the roadway parcel is still owned by the developer/owner and not the residents, neither county would be willing to commit funding to improve the road.

Mr. Hall reported that Accomack County currently has no funds for the Rural Addition Program, as it has been allocated to pave Fooks Lane. Northampton County does not maintain a road improvement fund. Neither county anticipates funding road improvements in the foreseeable future. It is also a misnomer to call any road a “county road,” as they are all under VDOT jurisdiction or are privately owned either by a developer or a homeowners’ association.

The conclusion was that another way to improve unpaved, private roads needs to be found. There were also comments that altering the Secondary Street Acceptance Requirements (SSAR) to allow gravel roads would not be a feasible solution to this problem.

It was also noted that the Private Roads Inventory and Needs Assessment cost example on page 9 may be low, as the numbers could be much higher if utility placements encumber improving the road.

This led to further discussion about how increasing the footprint of VDOT maintained roads is not sustainable, since maintenance funds have not increased over the past ten years. To add to the secondary road network is not realistic from a maintenance standpoint, is not affordable for the counties, and is certainly not affordable for low-income residents to have additional taxes levied to pay for the county's portion of the improvements over 12 or 15 years (basically an interest-free loan to the residents).

C. **Multi-Modal Plan** – Mr. Smith reported that not much progress has been made on this project, but that a survey using Google Forms has been prepared and will be posted on the A-NPDC's webpage, Facebook page, and will be emailed out to in-house lists in the next week. Responses will be collected and compared to DMV pedestrian/bicycle injuries and fatalities to identify "hot spots" for priority safety improvements.

D. **Ditch Outfall Project** – Mr. Smith introduced John Gordon, A-NPDC summer intern, who will be working with the high-resolution LiDAR data VIMS provides of roadside ditches, ground-truthing the data, and creating map layers for elevation/depth, holding capacity, and tidal water intrusion. The data may also contain non-roadside ditches, but VIMS has a much lower confidence level regarding agricultural ditches. It was suggested that the soils maps be overlaid with the data to determine where soil type influences drainage.

It was also suggested that Mr. Gordon discover where tidal gates were installed years ago on both the seaside and bayside in Accomack County, as they would have an impact on the adjacent ditches.

V. New business

A. FY19 Work Program – Ms. Schwenk provided a copy of the work program for TTAC information and future planning.

VI. Public Participation – none

VII. Next meeting – July 24, 2018, 1:30 p.m. location TBD

VIII. Adjourn – the meeting was adjourned at 2:45 p.m. by motion of Wolff, seconded by Holloway and carried unanimously.

Accomack-Northampton Planning District Commission
TRANSPORTATION TECHNICAL COMMITTEE
2018 ATTENDANCE RECORD

Member	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
Joe Bulin, Alt. ESCSB	*	*		*		*	*	*	*	*		*
Vanessa Cousineau ESAAA/CAA/Head Start	*	*		*		*	*	*	*	*		*
Larry DiRe Town of Cape Charles	*	*	X	*	X	*	*	*	*	*		*
Robert Duer Town of Exmore	*	*		*		*	*	*	*	*		*
Barbara Haxter Accomack County Airport	*	*	X	*		*	*	*	*	*		*
Tim Holloway CBBT	*	*	X	*	X	*	*	*	*	*		*
Chris Isdell VDOT Residency	*	*	X	*		*	*	*	*	*		*
Abra Jacobs Center for Independent Living	*	*		*		*	*	*	*	*		*
William Kerbin Town of Onancock	*	*	X	*		*	*	*	*	*		*
Susan McGhee Northampton County (Kelley Parks, Alt)	*	*	X	*	X	*	*	*	*	*		*
Bill Moore STAR Transit	*	*	--	*	X	*	*	*	*	*		*
Rich Morrison Accomack County	*	*	X	*		*	*	*	*	*		*
Dinah Oliver VDOT	*	*		*		*	*	*	*	*		*
Alex Parry Bay Coast Railroad	*	*		*		*	*	*	*	*		*
Jerry Pauley VDOT	*	*	X	*	X	*	*	*	*	*		*
Ivan Rucker FHWA	*	*		*		*	*	*	*	*		*
Clara Vaughn A-NPDC	*	*	X (B. Schwenk)	*	X (B. Schwenk)	*	*	*	*	*		*
Barbara Young for Lisa Sedjat ESCSB	*	*		*		*	*	*	*	*		*
Eric Stringfield VDOT	*	*		*		*	*	*	*	*		*
Stuart Hall Accomack County, Alt.	*	*		*	X	*	*	*	*	*		*
Curt Smith A-NPDC	*	*	X	*	X	*	*	*	*	*		*
Jim West Chincoteague	*	*		*		*	*	*	*	*		*
Keisha Wilkins VDOT	*	*	X	*		*	*	*	*	*		*
Ron Wolff ANTDC	*	*	X	*	X	*	*	*	*	*		*

X: Present *: No meeting that month (:): Alternate ---: Not a member that month

Accomack-Northampton Planning District Commission

Transportation Technical Advisory Committee

Name	Representing	Phone	Email
Joe Bulin, Alt.	Eastern Shore Community Services Board	757-442-3636	jbulin@escsb.org
Vanessa Cousineau	Eastern Shore Area Agency on Aging/ Community Action Agency	757- 442-9652	elnessa2002@yahoo.com
Larry DiRe	Town of Cape Charles	757- 331-2036	larry.dire@capecharles.org
Robert Duer	Town of Exmore	757-442-3114	rduer@exmore.org
Barb Haxter	Accomack County Airport*	757-787-4600	bhaxter@co.accomack.va.us
Tim Holloway	Chesapeake Bay Bridge Tunnel*	757-331-2960	tholloway@cbbt.com
Chris Isdell	VDOT, Accomac Residency*	757-787-1550	christopher.isdell@vdot.virginia.gov
Abra Jacobs	Eastern Shore Center for Independent Living	757-414-0100	jacaw2003@hotmail.com
William Kerbin	Town of Onancock	757-787-3363	wkerbin@onancock.com
Bill Moore	STAR Transit	757-787-8123 x8122	bill@mystartransit.org
Susan McGhee	Northampton County*	757-678-0443 x545	smcghee@co.northampton.va.us
Elaine Meil	A-NPDC, Staff	757-787-2936 x116	emeil@a-npdc.org
Rich Morrison	Accomack County*	757-710-4980	rmorrison@co.accomack.va.us
Kelley L. Parks	Northampton County, Alt.*	757-678-0443 x546	klewis@co.northampton.va.us
Alex Parry	Bay Coast Railroad	757 331-8762	aparry@baycoastrailroad.com
Jerry Pauley	VDOT, Hampton Roads District*	757-925-1525	jerry.pauley@vdot.virginia.gov
Ivan Rucker	FHWA	804-775-3350	ivan.rucker@dot.gov
Clara Vaughn	A-NPDC, Staff	787-757-2936 x127	claravaughn@a-npdc.org
Lisa Sedjat	ESCSB	757-442-3636	lsedjat@escsb.org
Curtis Smith	A-NPDC*	787-757-2936 x 114	csmith@a-npdc.org
VACANT	Accomack County, Alt.*	787-757-5726	
Jim West	Chincoteague*	757-336-6519	jwest@chincoteague-va.gov
Keisha Wilkins	VDOT, Hampton Roads District*	757-925-2589	keisha.wilkins@vdot.virginia.gov
Ron Wolff	Accomack-Northampton Transportation District Commission*	757-894-1209	rwoff@co.accomack.va.us
Barbara Young	ESCSB, Alt for Lisa Sedjat	757-442-3636	byoung@escsb.org

*Voting members

Southern Tip Bike & Hike Trail Phase III & IV Feasibility Study link:

www.a-npdc.org/accomack-northampton-planning-district-commission/transportation-planning/plans-projects

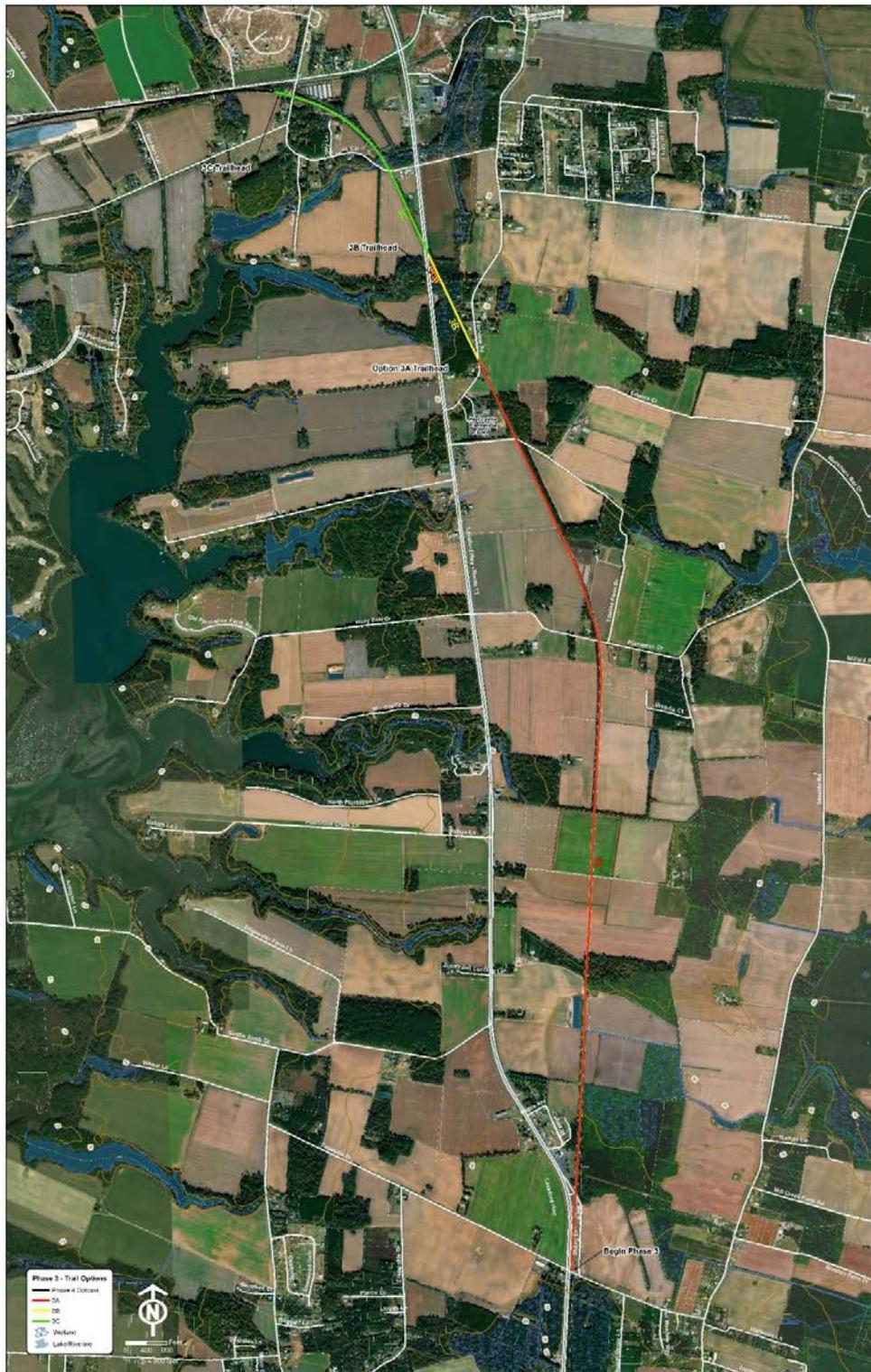
- Feasibility study completed in August
 - Connects existing trail from Capeville Drive to Cape Charles marina
- Applied for funding to construct Phase IV (below)
 - Would connect town to Food Lion shopping center & Cheriton
 - Includes push-button pedestrian signal crossing at Route 13
 - Potential synergies with new light at Route 13 and Cheriton bike lanes
 - Cape Charles would own & maintain this trail

Southern Tip Bike & Hike Trail Phase IV:
Cape Charles Marina to Food Lion Shopping Center



Legend:
- Proposed Bike Trail

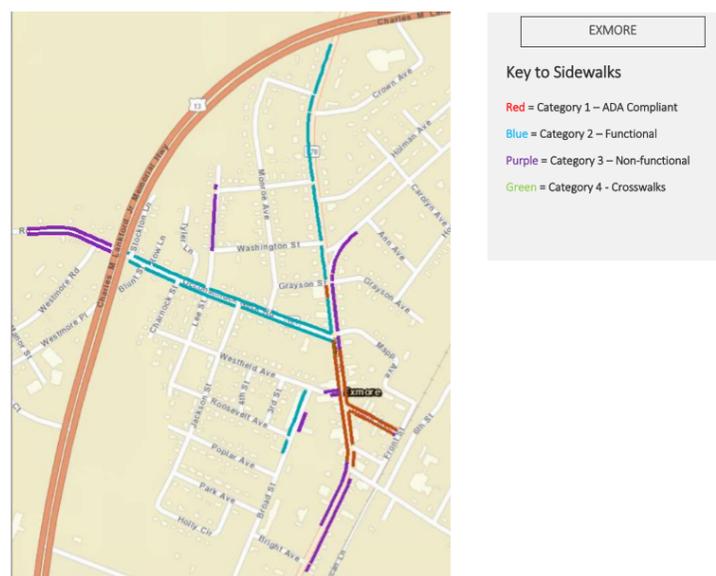
Southern Tip Bike & Hike Trail Preferred Alternatives – Phase III



Eastern Shore of Virginia Pedestrian Facilities Study (2017) link:

<http://www.a-npdc.org/wp-content/uploads/2017/12/ESVA-Pedestrian-Facilities-Study-2017-1.pdf>

- Study completed Dec. 2017
 - Assesses inventories & needs for pedestrians on Eastern Shore
 - Creates priorities for which facilities need to be repaired or replaced first
- Update will use crowdsourced data & DMV pedestrian/bicycle injuries and fatalities to create priorities for sidewalk updates



Ditch Outfalls Study Update

Using lidar (high resolution elevation) data, roadside ditches were identified for the two Eastern Shore counties. Two products were generated:

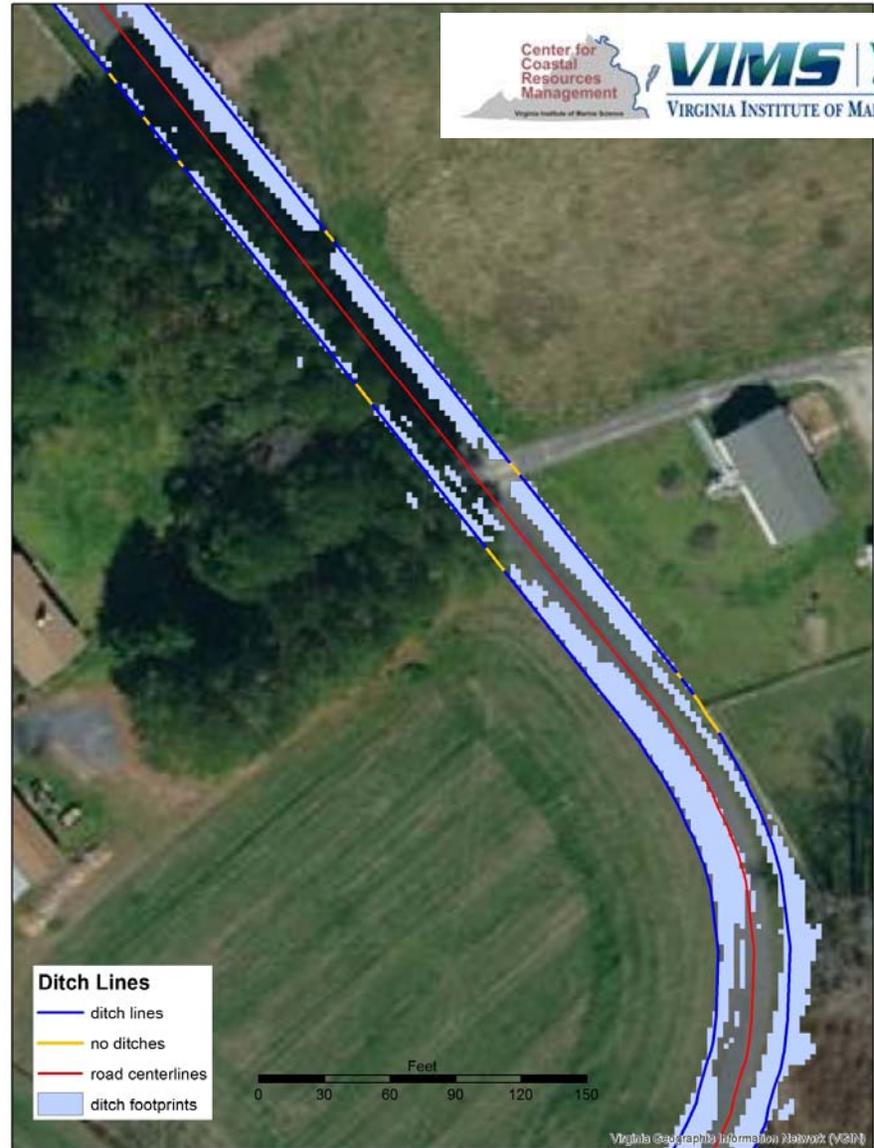
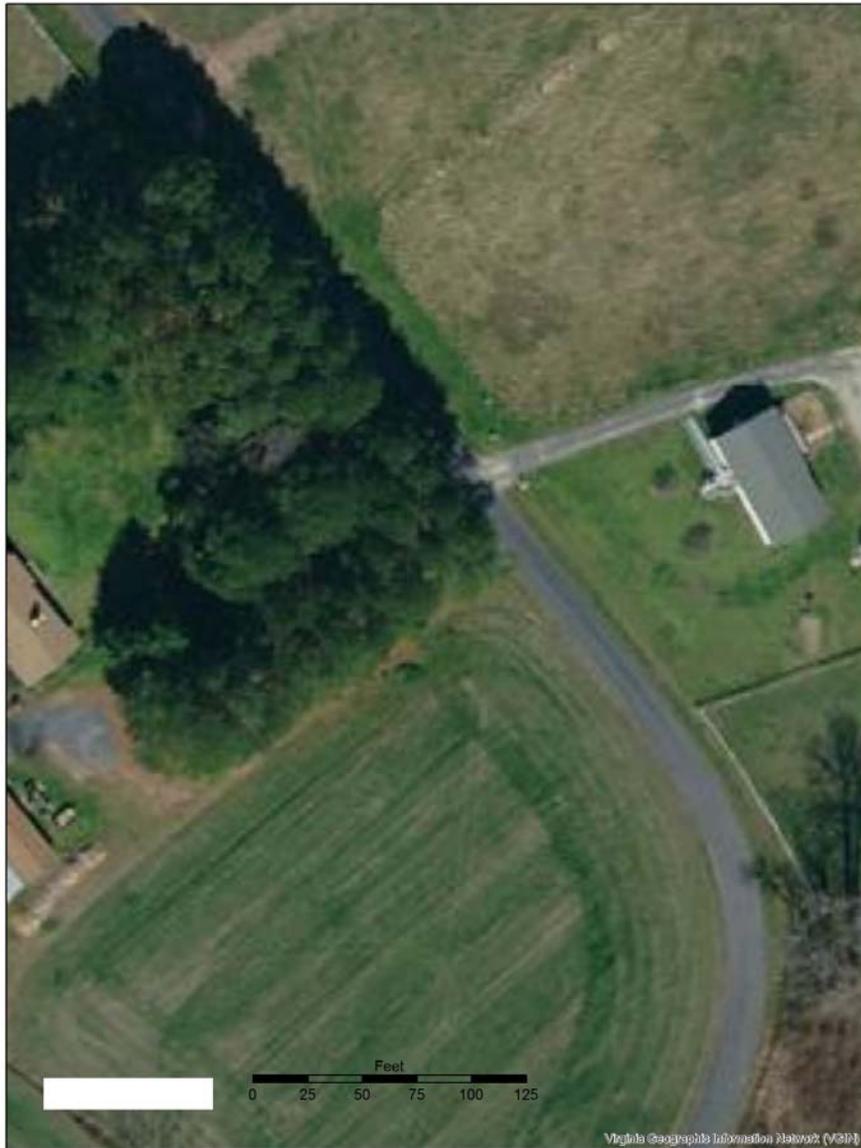
- A polygon layer that represents ditch footprints.
- A line layer that borders the road centerline on each side and is coded for ditch or no ditch.

Changes and updates are being made to increase accuracy of the layers.

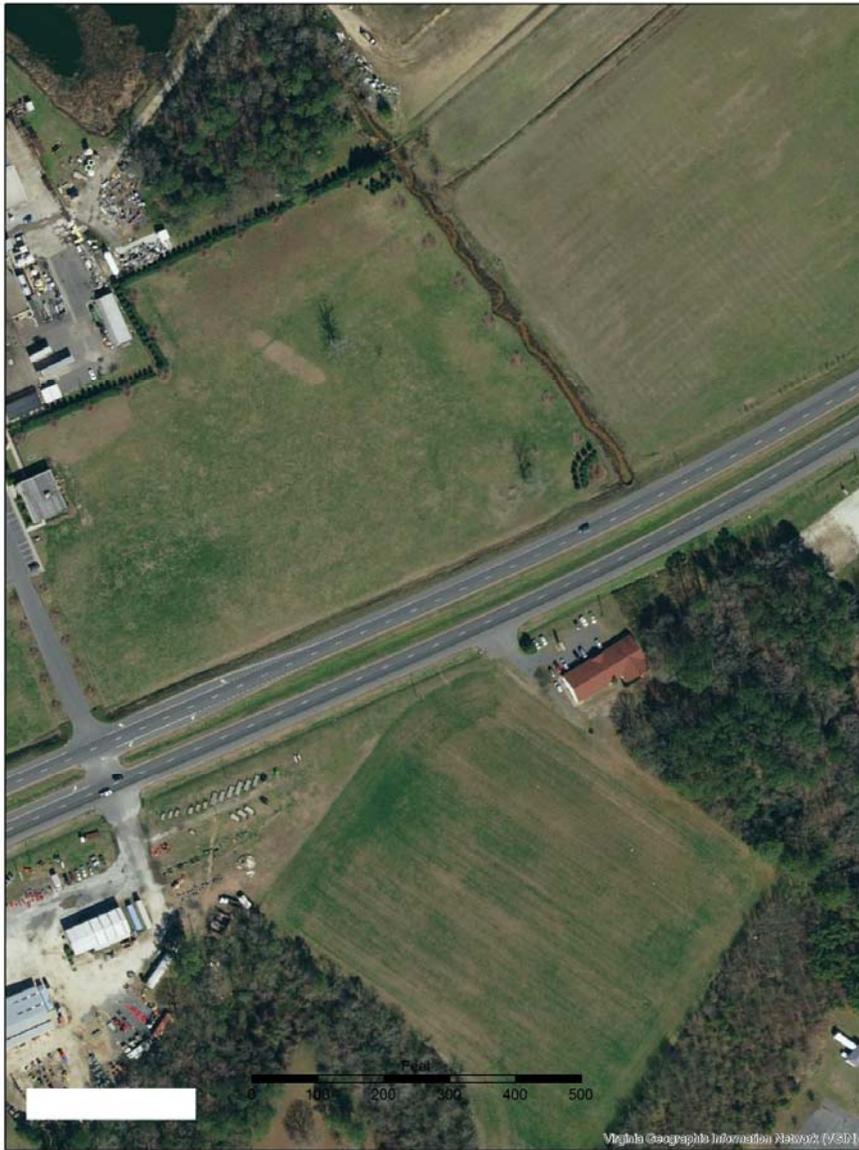
- For the ditch footprints, a methodology was developed to remove polygons that are sloping banks and not two-sided ditches. Also, smaller polygons that are noise will be removed.
- For the line layer, work is continuing on identifying point and non-point source outfalls.
- For both layers, polygons where sidewalks occur are being removed.

Results from field work during Summer 2018 are still being analyzed.

Polygons:



Center Lines:



Caveats

- Ditches are being identified using remotely sensed data, so there are expected inaccuracies, such as lidar resolution, vegetation obscuring ditches, and some road centerlines. This problem is true of outfall locations as well.
- For optimal accuracy, additional field work is needed to provide corrections.

Salt water seeps into coastal ecosystems

Virginia Gewin

North Carolina's coastal ecosystems were hit hard by Hurricane Florence, but new research suggests that salt water also has a persistent route inland. Artificial structures – such as canals and ditches – meant to drain land can provide a pathway for salt water inland, according to a recent study (*Elem Sci Anth* 2018; doi.org/10.1525/elementa.316).

Using spatial analyses, researchers discovered that artificial drainages not only lower the elevation of coastal landscapes but also alter the routes and rates of hydrological flows in regions that will be among the first to grapple with sea-level rise. As a result, the total proportion of the landscape vulnerable to saltwater intrusion will increase, even in areas that lack artificial drainage, because water flows are so interconnected. While ditches often have engineered flap gates, designed to keep salt water out, the study did not assess their effectiveness.

“The ditches and drains make this area more vulnerable to saltwater intru-



Researchers monitor saltwater intrusion in the coastal wetlands of North Carolina.

sion, similar to what's been found along the Gulf Coast”, says study co-author Marcelo Ardon Sayao, an environmental scientist at North Carolina State University (Raleigh, NC). Salt water may therefore penetrate many kilometers inland, even during extended drought periods, because there is a lack of freshwater flow to the ocean keeping the salt water at bay. Over time, freshwater wetlands may become brackish marshes and forests may die off.

In eastern North Carolina, the construction of canals and ditches has increased the drainage density threefold. But these types of low-lying, highly modified landscapes, connected via drainage ditches, occur in many coastal regions within the eastern US. “This research is

critical to improving our understanding of where saltwater intrusion is going to occur and how to plan for it”, explains agroecologist Kate Tully, who studies saltwater impacts at the University of Maryland (College Park, MD). “If we know where it is likely to happen, we might be able to target some of those areas for restoration or remediation.”

Coastal forest wetlands are most vulnerable to saltwater exposure, and that raises concerns about shifts in carbon cycling and greenhouse-gas emissions. Ardon Sayao also conducted a microcosm experiment showing that, relative to controls, methane production increased 300% on salt-treated wetland soils, and 1200% when sulfate, a preferred compound used in respiration by anaerobic microorganisms, was removed from “artificial” salt water (*Biogeochemistry* 2018; doi.org/10.1007/s10533-018-0486-2). However, salinity treatments decreased carbon dioxide emissions.

What's more, agricultural lands that have since been restored to wetlands may contain legacy fertilizer applications, notably nitrogen and phosphorus, that could be released as salt water intrudes, adds Ardon Sayao. ■

Grant:	Managed by:	Amount:	Deadline:	Who Can Apply?	Contact:
Transportation Alternatives (TA) Program	VDOT via Federal funds	20% match of total project costs (not 80/20 split) -In-kind match allowed	1 Nov 2019 -July/Aug = Applicant Workshops	-Local govt (city, town, county) -PDCs Some others	-Pam Liston, VDOT LAD: EnhancementProgram@VDOT.Virginia.gov, 804-786-2734 -Kelly Waldrop? -Russ Dudley, Assistant Division Administrator LAD: russ.dudley@vdot.virginia.gov, O: 804-786-6663 C: 804-332-1749
Recreational Trails Program (RTP)	DCR (sub-section of TA Program w/ separate application)	80/20 match: \$100,000 (\$125,000 total project cost)- \$400,000 (\$500,000 total project cost) -NO in-kind match -Match can include federal funds (up to 95% of total project costs)	Next grant cycle announced Jan. 2020 - apps around July 2020		-Jennifer Wampler, State Trail Coordinator: 804-786-9240, jennifer.wampler@dcr.virginia.gov -Synthia Waymack, Grant Administrator: synthia.waymack@dcr.virginia.gov, 804-786-4379
Bike & Pedestrian Safety Program (BPSP)	VDOT via Federal funds w/ State match	100% federal funding -\$1 million, with more considered for multi-year projects	1 Nov, annually		Tracy Turpin, P.E. 804-786-6610 HSIP project delivery program manager
Rivers, Trails, and Conservation Assistance (RTCA) Program	NPS	Unspecified	30 June, annually	-State and local agencies -Nonprofits & citizen groups -National Parks and other Federal agencies in partnership with local organizations	K Lynn Berry, National Capital Region Program Manager: ncr_rtca@nps.gov
Federal Land Access Program (FLAP)	Office of Federal Lands Highway (FLH) (part of FHWA)	18.5% match -in-kind match allowed	TBA - not open in Va.		Lewis Grimm, Planning Team Leader: 703-404-6289, lewis.grimm@dot.gov
State Wildlife Action Plan (SWAP)	Department of Game & Inland Fisheries	35% non-federal match	<i>under development</i>		Chris Burkett, Wildlife Action Plan Coordinator, Virginia Department of Game and Inland Fisheries: 804-367-9717, Chris.Burkett@dgif.virginia.gov
Recreational Access Program	VDOT	Up to \$75,000 for bikeways, up to \$400,000 for roads that connect to state areas (less for local connects)	Rolling basis?	-Governing body of the county, city or town where project is located (PDC cannot apply)	
CZMP	NOAA	~\$10,000-\$50,000 w/ 50% match			

Website:	Uses:	Conditions:	Other Recs:
	<ul style="list-style-type: none"> -Includes Safe Routes to Schools (w/in 2 mi of schools for bike/ped trails and rd crossings) <ul style="list-style-type: none"> - Must complete feasibility studies, master plans & conceptual design; hold public hearing BEFORE applying feasibility studies 	<ul style="list-style-type: none"> -Must complete feasibility studies, master plans & conceptual design; hold public hearing BEFORE applying feasibility studies 	
http://www.dcr.virginia.gov/recreational-planning/trailfund	<ul style="list-style-type: none"> -Innovative corridor sharing (multi-use) prioritized recreational in nature <ul style="list-style-type: none"> -Primarily 	<ul style="list-style-type: none"> -Planning proposals, gap analysis, and feasibility studies NOT eligible -Must show legal proof that trail can cross lands owned by others 	
	<ul style="list-style-type: none"> -Ped and bike safety at site w/ history of crashes <ul style="list-style-type: none"> -Other projects for separating & safeguarding non-motorized travel -Can cover phases from PE to FE, ROW and construction 	<ul style="list-style-type: none"> -Must demonstrate a safety need & the improvement(s) to be made 	<ul style="list-style-type: none"> Projects should be completed w/in 36 months, need approval if lasting more than 48 months
https://www.nps.gov/orgs/rta/upload/RTCA_Application_508_final_20180514.pdf	<ul style="list-style-type: none"> Improve transportation facilities that provide access to, are adjacent to, or are located within Federal lands -- designed to provide flexibility for a wide range of transportation projects 		<ul style="list-style-type: none"> Consult an NPS RTCA staff member prior to application deadline to help identify how their expertise can complement the project and to answer questions
https://flh.fhwa.dot.gov/programs/flap/	<ul style="list-style-type: none"> Must align with the Va. SWAP strategies and SGCN (species of greatest conservation need) 		
http://www.virginiadot.org/business/resources/local_assistance/access_programs/RecrAccessGuide.pdf	<ul style="list-style-type: none"> -Must connect bike path to entrance of a recreational/historic site --> Does NOT include federal recreation or historic areas 		<ul style="list-style-type: none"> -Forward info pertaining to the recreational facility to be accessed to the Director of the Department of Conservation and Recreation at 203 Governor Street, Suite 326, Richmond, Virginia. 23219
	<ul style="list-style-type: none"> -Projects in tidal areas - including bike trails 		