



Contact: Anastasia Poulos, GIS & Cultural Resources Specialist, pzpoul44@aacounty.org, #410-222-7440





Our Cultural Resources:

- •588 Historic Buildings and Sites
- •128 Demolished Historic Structures
- •1515 Archaeological Sites
- •462 Cemeteries
- •169 Scenic and Historic Roads

Main Duties (Article 17 of the County Code):

- •Compliance Review and Mitigation of Development
- •Survey and Research the Cultural Resources of the County

GIS Functionality in the CRD:

- •To ensure the preservation of significant sites and structures
- •To assess potential impacts
- •To use spatial analysis to approach archaeological and historical research questions

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Building the Spatial Database

The First Step: Inventory Assessment and Management





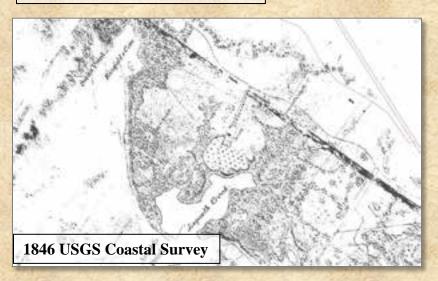
Demolished: AA-1004 J. Parker Farm, mid-19th century



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A Growing Inventory.....





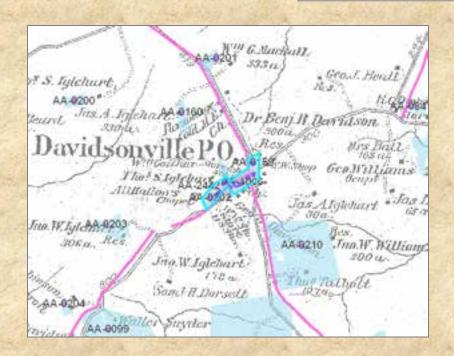


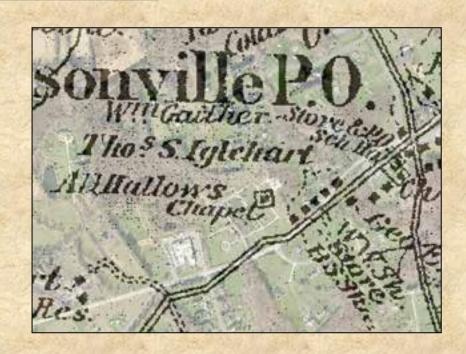


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A Searchable Database.....



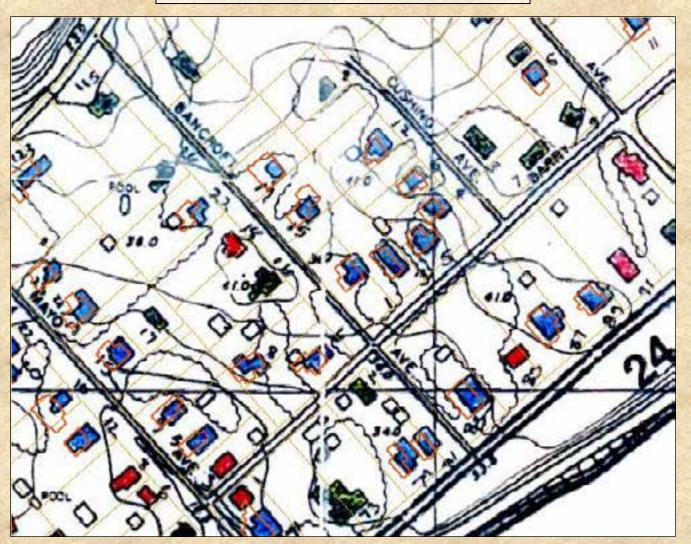


G. M. Hopkins Atlas of 1878

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Comparing Past and Present Footprints



Bay Ridge Historic District



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Assessing Archaeological Potential

1957 USGS Quad



2011





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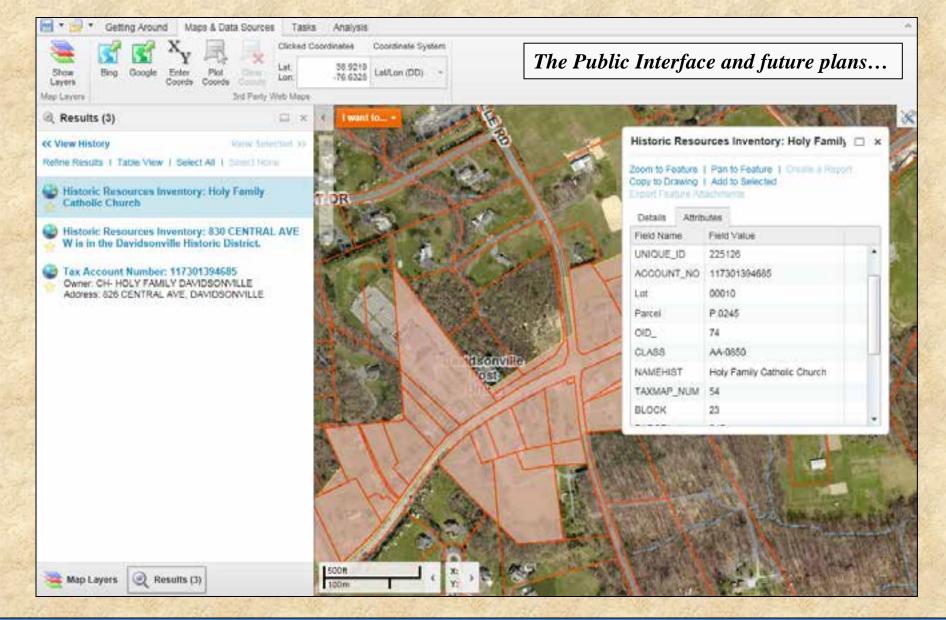


Why we need development review...







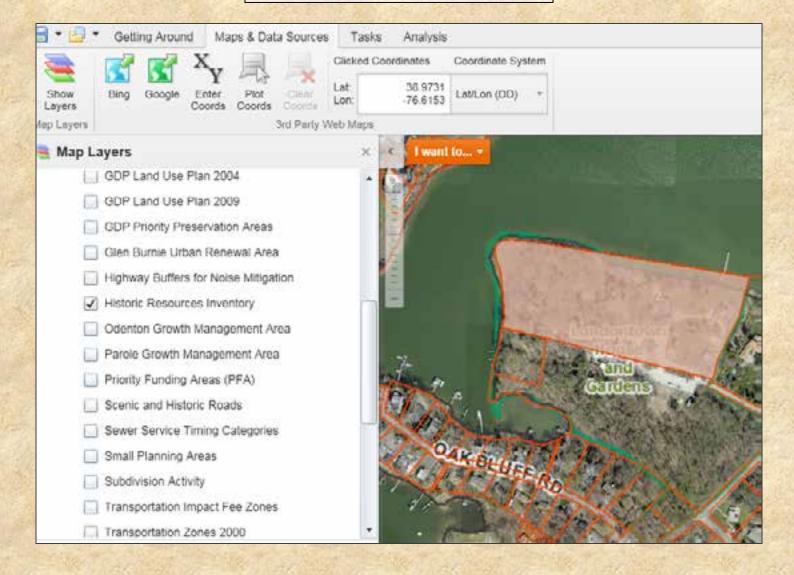




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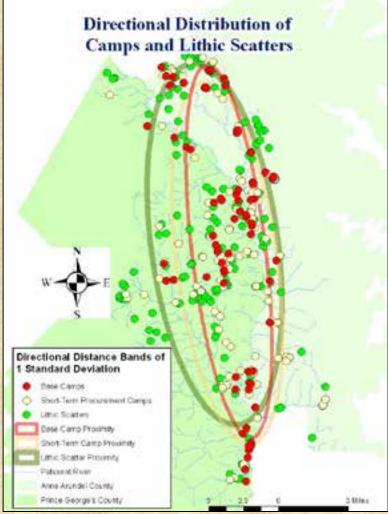
Don't Forget to Click the Layer!











Prehistoric Site Distribution

on the Patuxent River

Past and Present Research

Spatial Analysis of Prehistoric Settlement Distribution on the Patuxent River & Creation of an Archaeological Sensitivity Model

Lidar Analysis of an 18th-century Iron Furnace Site

Sea Level Rise Impact on Archaeological Sites

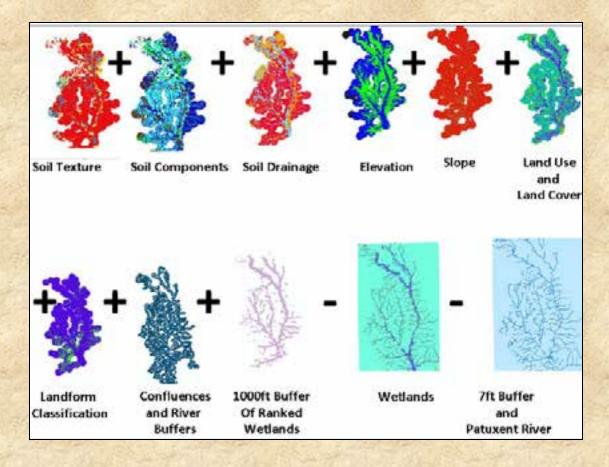
3D-Mapping and Analysis of the Pig Point Site

Reconstructing the Cultural Landscape of a War of 1812 Skirmish in Deale, MD

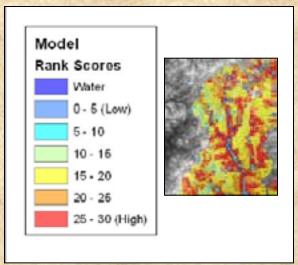


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An Archaeological Sensitivity Model of Prehistoric Sites on the Patuxent River



Landform Classification Model:

Morgan, John M. and Ashley M. Lesh.

2005 Developing Landform Maps Using ESRI's ModelBuilder. In *ESRI User Conference Proceedings* 2005. http://proceedings.esri.com/library/userconf/proc05/papers/pap2206.pdf



The War of 1812: Invasion of Tracey's Landing and Shady Side

By reconstructing the historic landscape using archival research and GIS software, we can follow in British footsteps and assess high potential areas for archaeological survey

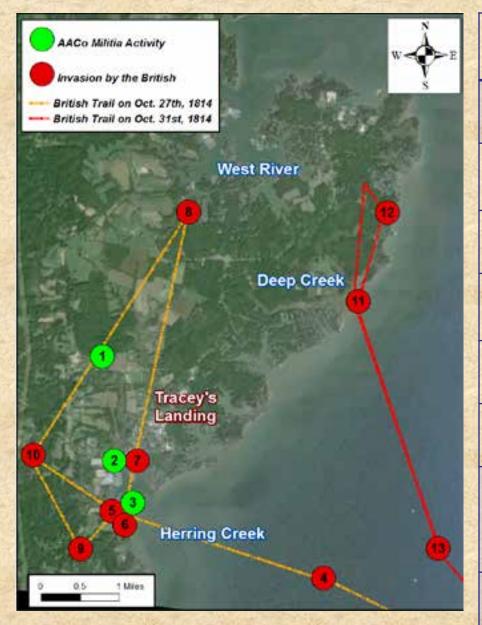


Many thanks to the Maryland War of 1812
Bicentennial Commission and Star-Spangled 200,
Inc., for providing financial support through the Star-Spangled 200 (SS200) Grant Program, which enables us to carry out this project. Executive Director William Pencek and Kathi Ash, Events and Locations Coordinator, were instrumental in launching this important project.









2	May 1814	Munitions deposited at Tracey's Landing Warehouse, owned by James Tongue
3	July 1814	Battery is Constructed at Town Point
4, 5,6	Oct. 27, 1814	British sail into Herring Creek and burn down Hobson's home, store, and windmill, and then Scrivener's home
7		The British then sail further up Herring Creek and burn the Warehouse
8		They move 5 miles inland to West River Methodist Church, where they throw a party
9		The British destroy the home of Sabrett Trott
10		The British are seen "lurking" in the vicinity of Thomas Tongue's property
11, 12	Oct. 31, 1814	After a short respite, the British return and sail up Deep Creek to Kirby's Windmill, where Captain Burd of the US Dragoons and the local militia exchange gunfire with the British
13		The British return to Tilghman's Island in the Chesapeake



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Action at Kirby's Windmill.

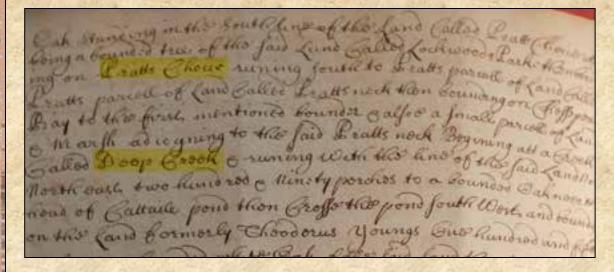
When Capt, Burd with his dragoons charged on the enemy on Monday last they were on the retreat towards their barges; the charge was made with so much spirit, that a number of the every had ictually laid down their arms preparing to surrender and it is probable that the whole of the party would have been captured if the troop had continued to pre-s on them with the same spirit and energy with which the charge was commenced. Unfortunately, some miscreant called loudly to the troop to retreat, which they mistook for an order from their officer and obeyed. Captain Burd succeeded in rallying a part of his troop as soon as he discovered the mistake and was returning to the charge-but the enemy in the mean time accovering from their consternation had rallied behind a fence which served them as a protecting breast work, enabled them to pour a very galling fire on the part of the troop which were pursuing and finally to effect their retreat withour much loss. Fed. Gaz.

Daily National Intelligencer, Nov 4, 1814, v II, Issue 572, p 3, Washington D.C.

1783 Tax Assessment

Kerby William Mind mile Hills Shorage.

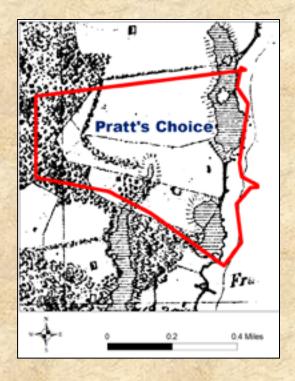
1801 William Kirby's Deed





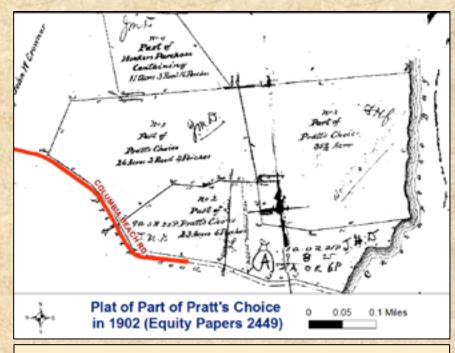
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http://www.genealogytools.net/deeds/



"Beginning at a stake in the ground and running N 56.25 deg W 45 perches, N 73.5 deg W to a stone, N 3 deg W 24.5 perches, S 74 deg E 195 perches to **Bay** then S 38 deg W 7 perches, S 3.5 deg E 36 perches, S 37 deg W 21 perches, N 56.5 deg W 9 perches, and straight line to beginning."

-Transcribed from an 1803 deed, see liber NH folio 716.



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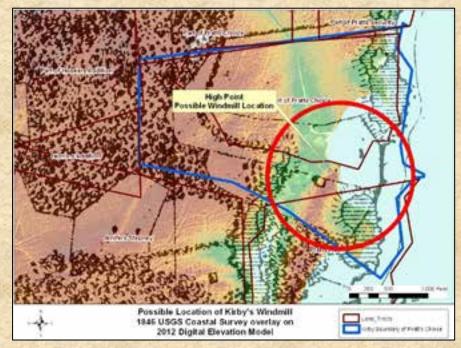


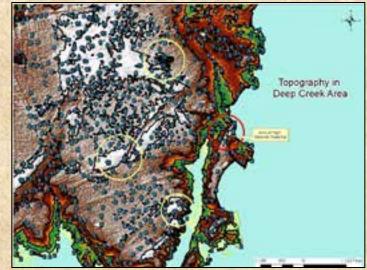
Looking for Kirby's Windmill

Windmill Factors:

- •Small Footprint, would take up no more area than a small dwelling
- •Needs to be in a windy location top of exposed hill or along coastline
- •Needs to be accessible to farmers carrying their grain to the Windmill

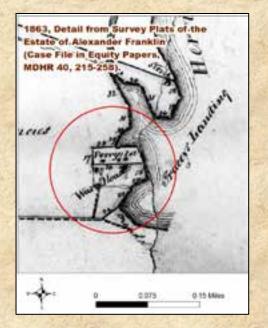


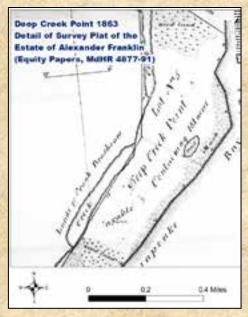


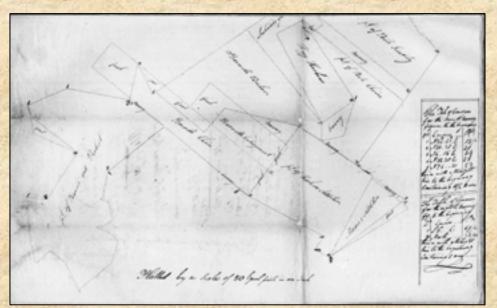


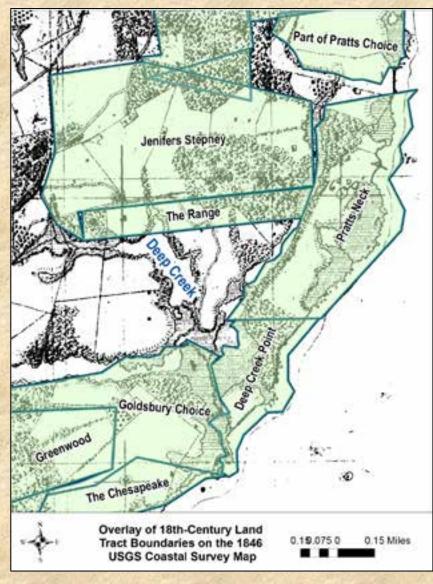












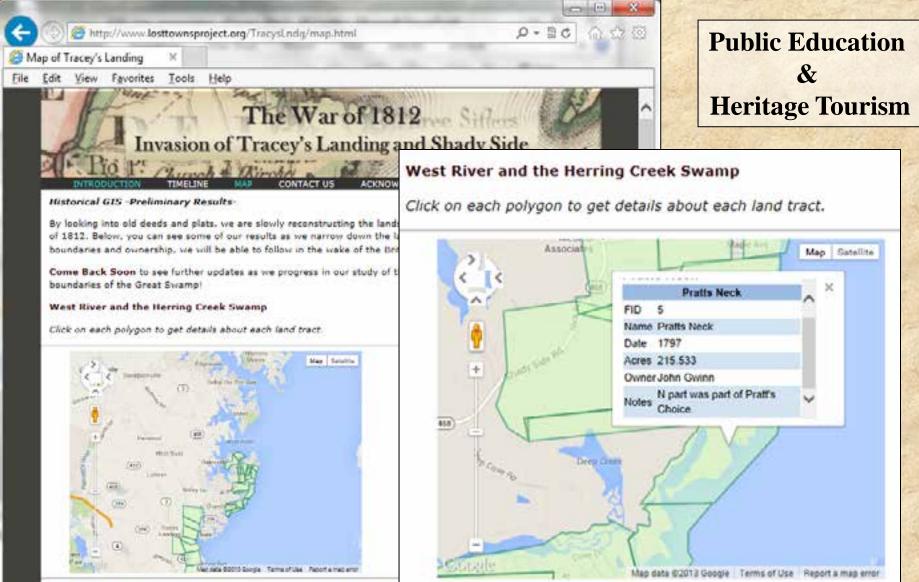


outcome was incredibly close!

Lost Towns Project, Cultural Resources Division, Anne Arundel County Government

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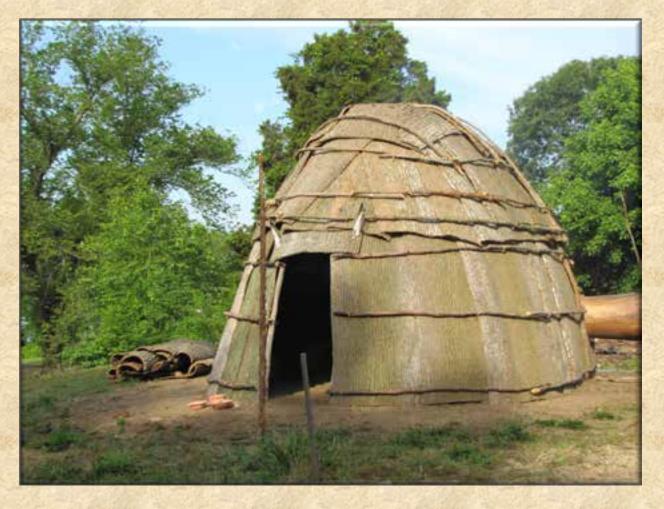


Note - Acreege was computed in ArcGIS from our polygon boundaries, which are based on deed descriptions of metes and bounds or transcribed from original plats. Therefore, there may be some discrepancy with that recorded in the original deeds, but overall, the



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The Lost Towns Project:
http://www.losttownsproject.org

Note: Imagery and Data courtesy of Anne Arundel County Government