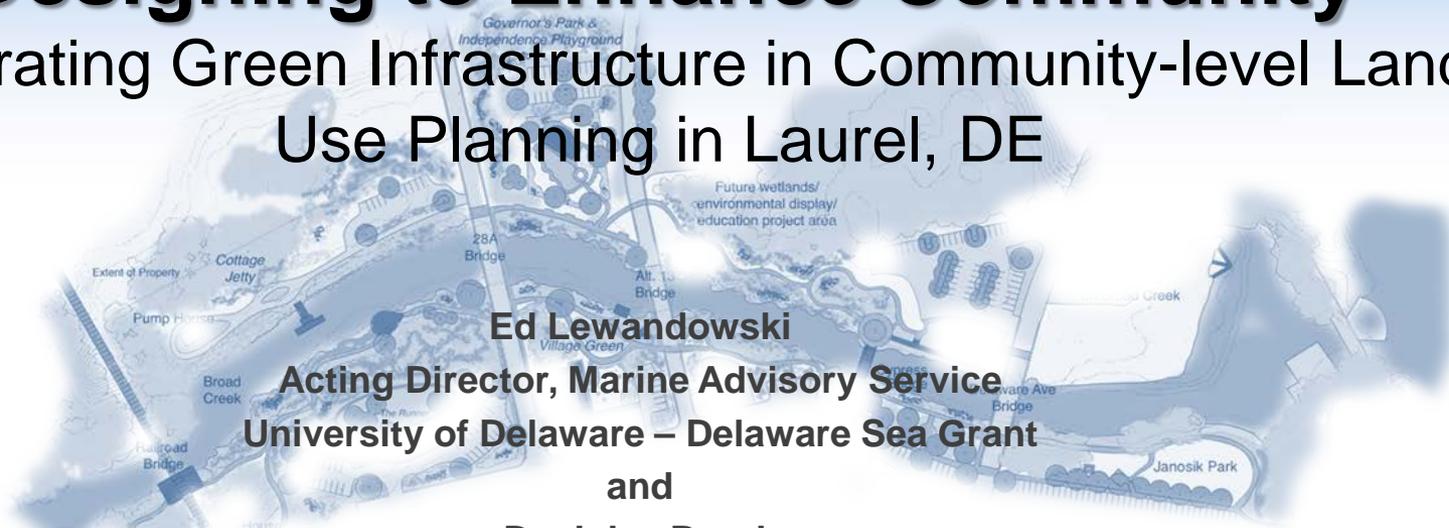


Designing to Enhance Community

Integrating Green Infrastructure in Community-level Land Use Planning in Laurel, DE



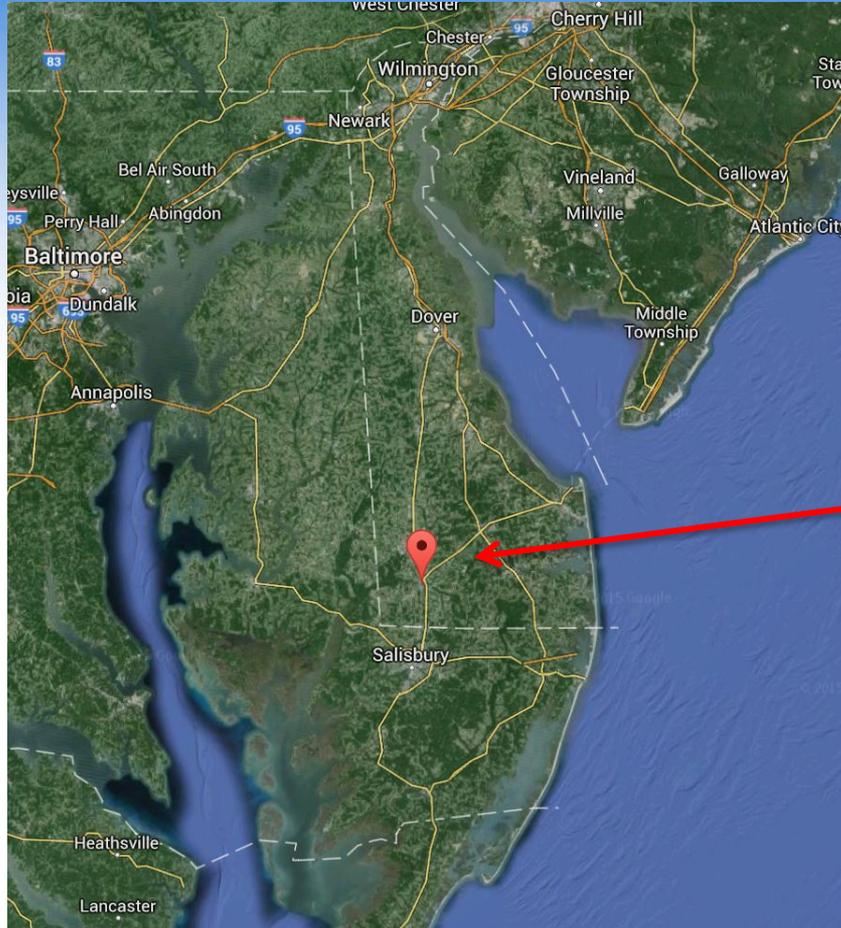
Ed Lewandowski

**Acting Director, Marine Advisory Service
University of Delaware – Delaware Sea Grant**

and

Dr. Jules Bruck

**Associate Professor/Landscape Architect
University of Delaware- CANR
Evolution Landscape Design, LLC**



Laurel, Delaware

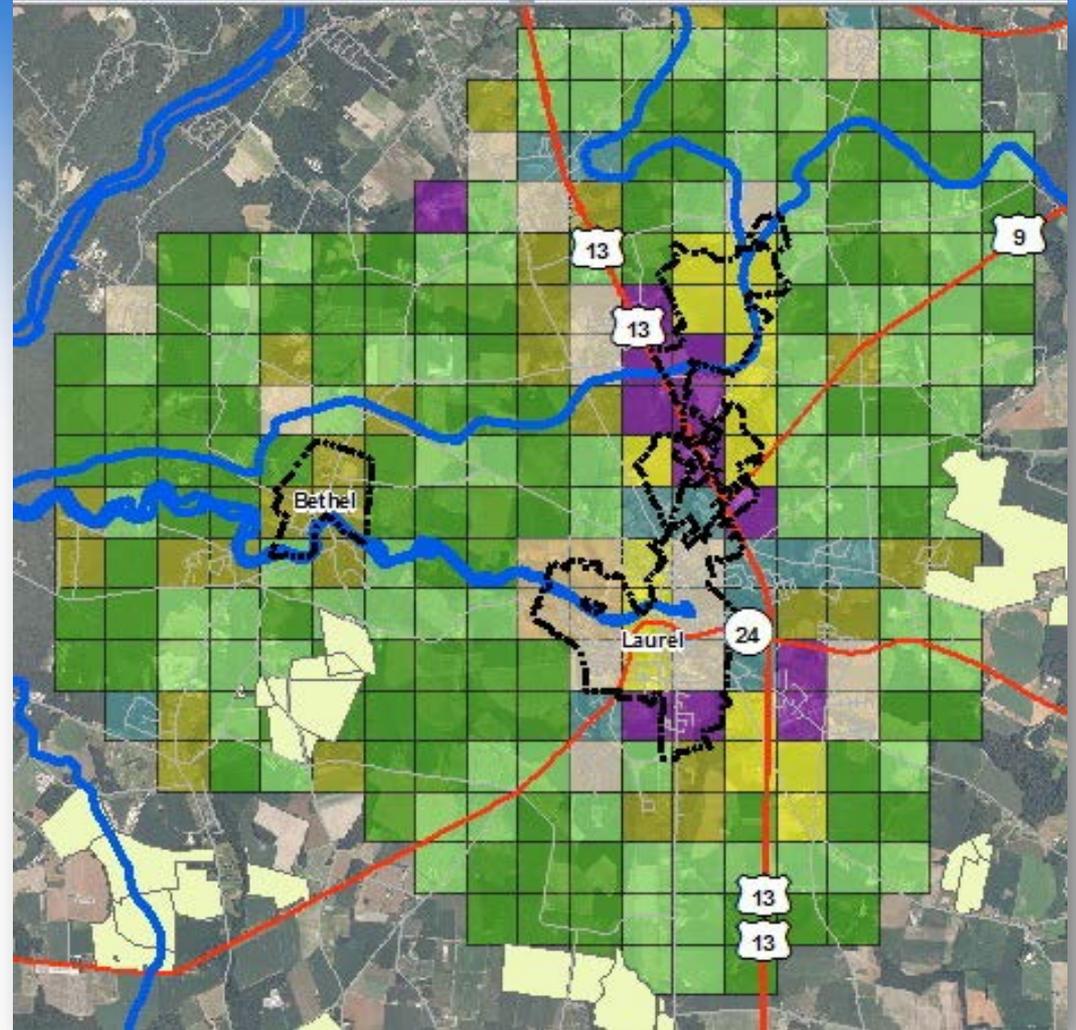


Broad Creek in Laurel, DE

- Tidal tributary to the Nanticoke River
- Chesapeake Bay watershed

Chesapeake WIP

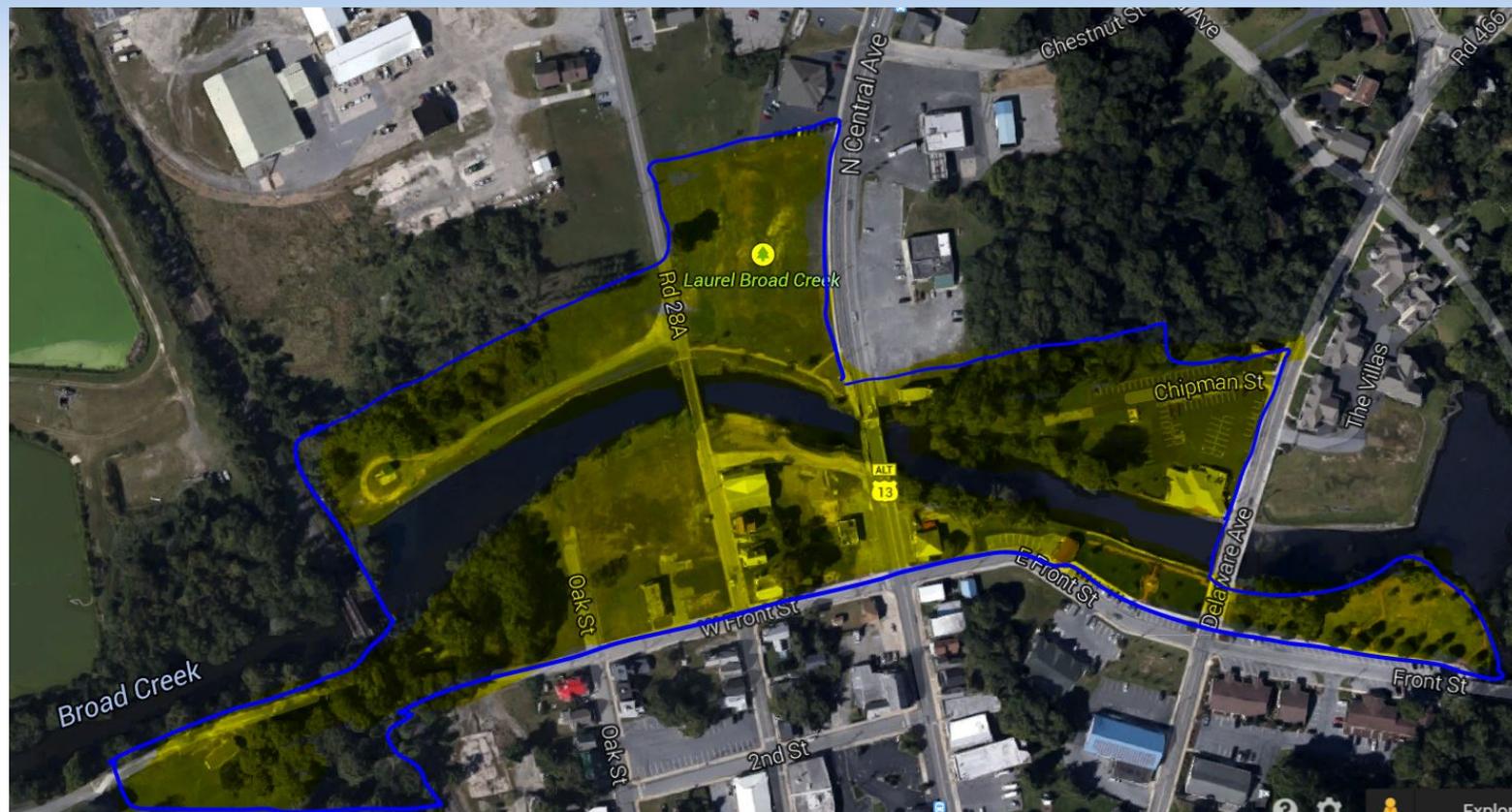
- Community-level land use planning to implement nutrient reduction strategies
- Engaged stakeholder group to develop growth & development scenarios
- UD Land Use Model to quantify land use impacts





*“HELP US BRING PEOPLE AND JOBS BACK
TO DOWNTOWN LAUREL!”*

Broad Creek Waterfront



Visioning Exercise

1. What riverwalks have you visited?
2. What did you like about them?
3. What didn't you like about them?
4. What elements might work in Laurel?
5. How do you see the Broad Creek waterfront 20 years from now?





Process/Products

- Used the *weTable* for participatory mapping
- Identified areas of opportunity
- Suggested design elements and characteristics



Dr. Jules Bruck

Lorelly Solano







THE RAMBLE

BEAUTY ON BROAD CREEK



The Ramble: A Plan for Waterfront Redevelopment in Laurel, Delaware



Dr. Jules Bruck, CANR
 Lorely Solano, CAS
 Edward Lewandowski, CEOE
LAUREL REDEVELOPMENT CORPORATION
Member of Delaware
 Laurel Redevelopment Corporation, P.O. Box 333, Laurel, Delaware, 19956

REVISIONS	
DATE	REVISIONS
1	4/11/2014 - Overall conceptual design for entire Ramble including park-to-park connections, the Cottages at Laurel Mills, Governor's Park and Independence Playground and the Village Green.
2	
3	
4	
5	

100
L



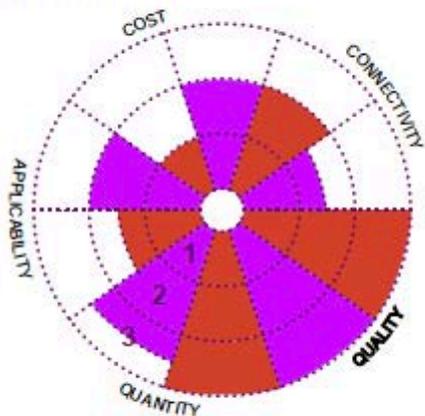
TWO IMPLEMENTATION GRANTS

- \$24,999 Coastal Management Assistance grant + legislative match for Stormwater Study & Phase I Environmental Assessment
- \$37,750 Surface Water Planning grant + legislative match for preparation of construction drawings for identified parcel(s)



SWM CONCEPT PLAN - THE GOVERNOR'S PARK + INDEPENDENCE PLAYGROUND

- BIO-RETENTION 1369
- INFILTRATION 1260



legend

- MHHW
- 0.5 meters
- 1.0 meters
- 1.5 meters

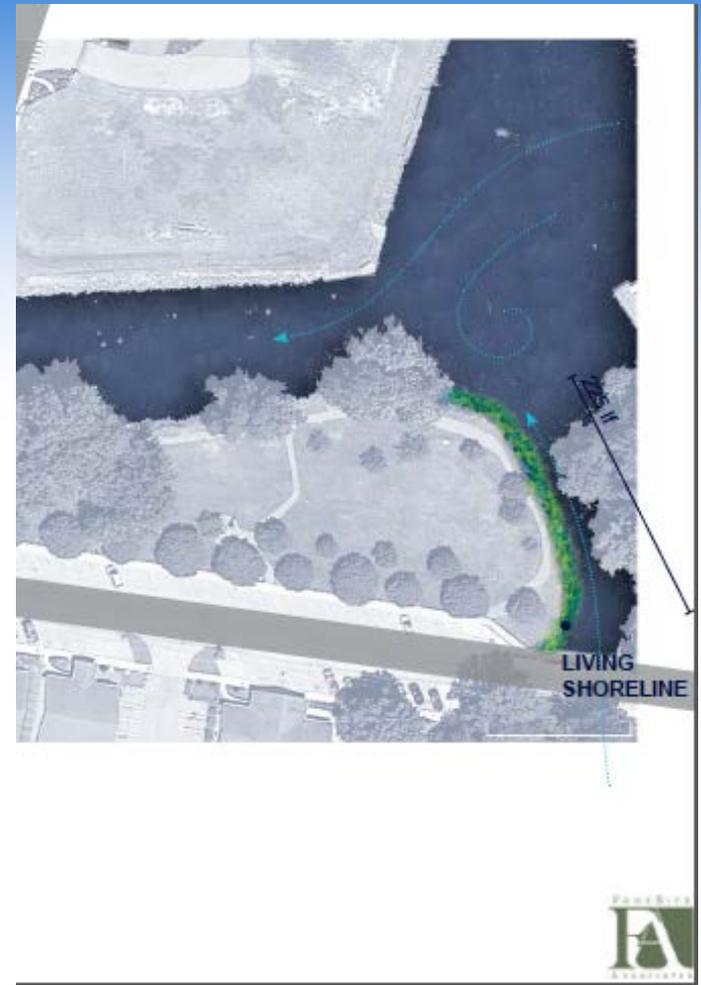
based on a 2009 report prepared by DNREC.

○ watershed



LAUREL REDEVELOPMENT CORPORATION
 P.O. Box 333, Laurel, DE 19956
Invest in Laurel







Sussex County, DE Flood Information Portal

FEMA REGION III

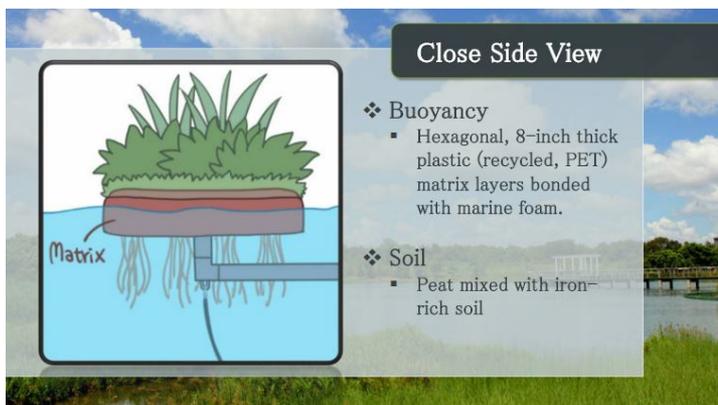


STREET AERIAL HYBRID



1000500412K

24



- ❖ Buoyancy
 - Hexagonal, 8-inch thick plastic (recycled, PET) matrix layers bonded with marine foam.
- ❖ Soil
 - Peat mixed with iron-rich soil