

An aerial photograph of a river delta, likely the Chesapeake Bay, showing a complex network of waterways and green marshland. The water is a deep blue, and the surrounding land is a vibrant green. The text is overlaid on the left side of the image.

Critical Area Commission Training Workshop
Chesapeake Bay Environmental Center
November 20, 2019
Tom Leigh
Regional Watershed Services Manager
a.k.a. Eastern Shore Stormwater Circuit Rider



HARRY R. HUGHES CENTER FOR
AGRO-ECOLOGY, INC.

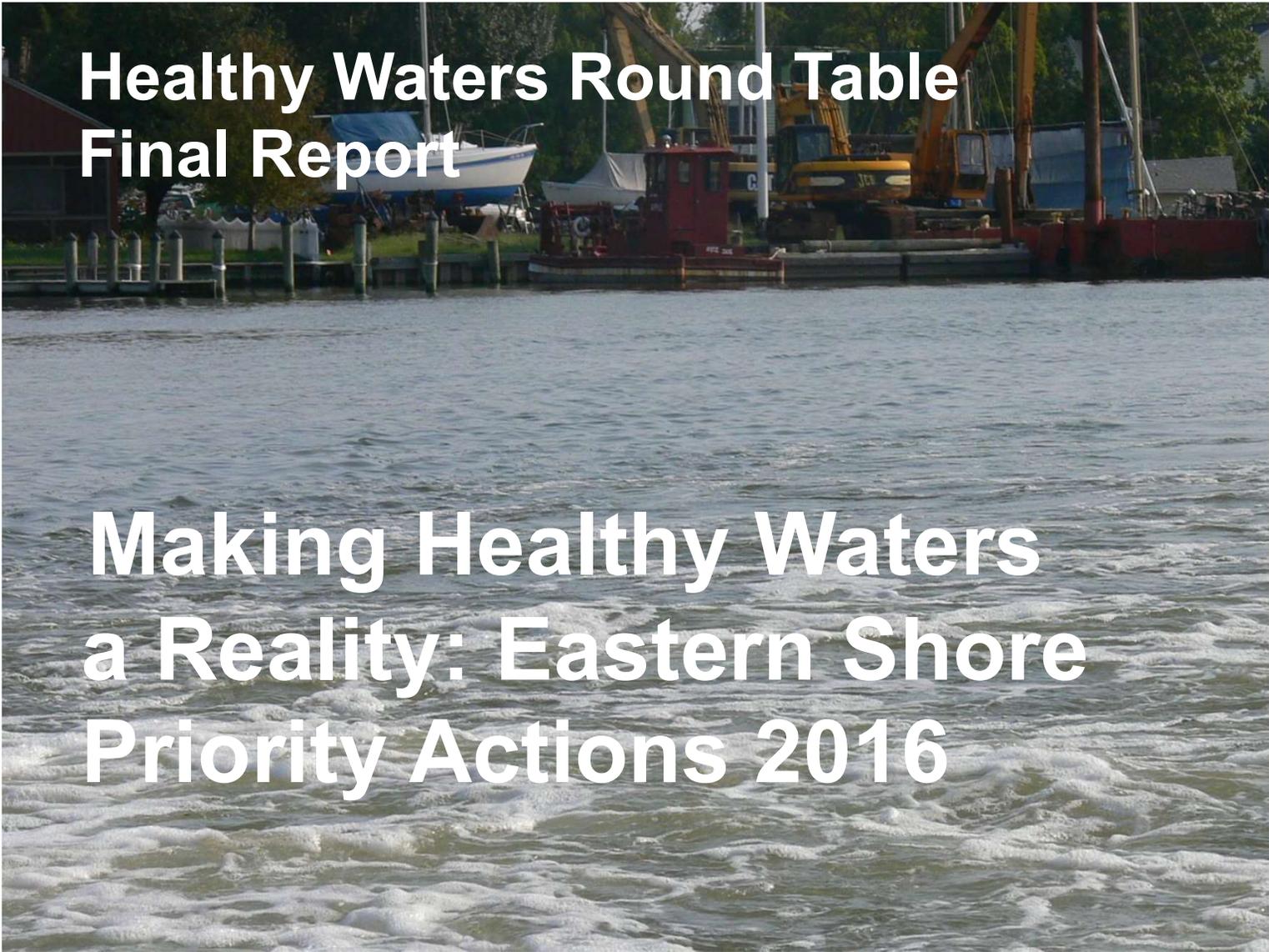


In the beginning...2015



CHESAPEAKE BAY
FOUNDATION

Saving a National Treasure



**Healthy Waters Round Table
Final Report**

**Making Healthy Waters
a Reality: Eastern Shore
Priority Actions 2016**

Healthy Waters Workgroup

Queen Anne's County (MS4)

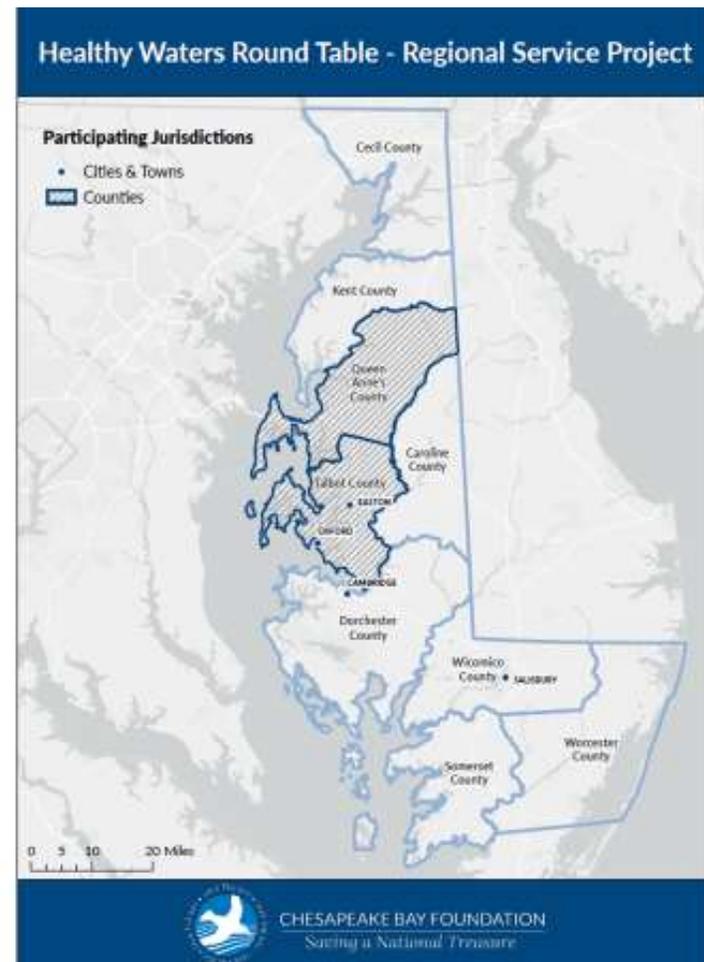
Talbot County

Town of Easton (MS4)

Town of Oxford

City of Cambridge

City of Salisbury (MS4)



Unique Collaborative Funding Structure...

Partners

Local Jurisdictional – 2 Counties, 2 Cities, 2 Towns

Local Non-Jurisdictional – Talbot County Soil Conservation District

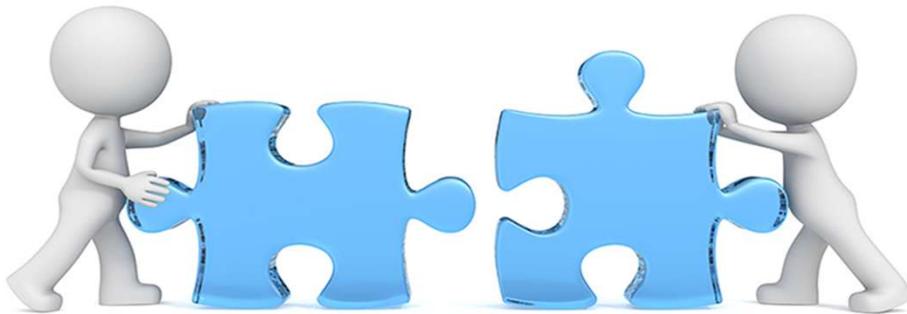
State – Maryland Department of Environment

Federal – National Fish and Wildlife Foundation

Regional Non-Profit – Chesapeake Bay Foundation



NFWF

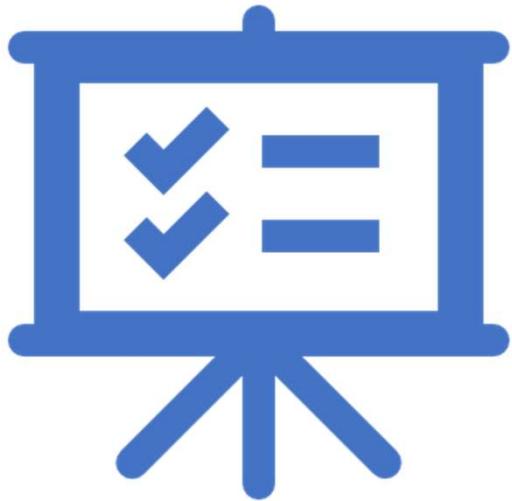


Technical Assistance...



The arrival of the Circuit Rider





Plan

Review existing reports for cross-jurisdictional opportunities

Prioritize

Itemize opportunities within grant implementation window

Procure

Test delivery of services model / economy of scale / single bid protocol / single contractor service

1. Assist partners in lowering their stormwater loadings to Chesapeake Bay.

- WIP advancement and MS4 permit compliance
- Capacity Lift to local jurisdictions

2. Test Proof of Concept

- Can we find efficiencies through project bundling?
 - Collaborative grant application process
 - “Buy in Bulk” model
- Can we increase administrative efficiencies?
 - “One Bid - One Contractor” concept
 - Can we use resources creatively?
 - Fee-in-Lieu
 - Do these efforts move the needle on BMP delivery?
 - “Plug and Play” BMP Designs

3. Tracking of Practices

- To include O&M best practices (BMPOMBPs)
- DPW Trainings – rethinking roadside ditch maintenance protocol

4. Procurement Protocol & Legal Guidance



NFWF Grant
Fund Allocation

\$200,000.00

- Design
- Engineering
- Construction

MATCH MATCH



MATCH MATCH

2020 DNR Grant Submission Plans

Trees, Shrubs (understory), and Conservation Landscape (meadow) Plantings –

- Increase Urban Tree Canopy
- Afforestation
- Agricultural Plantings
- Stream Buffer Enhancement
- Open Space Enhancements (Parks)
- Critical Area Buffer Enhancements
- Replacing Expired CREP Enrollment Practices
- Roadside Ditch Pre-treatment Plantings
- Habitat Improvements
- Aesthetic Improvements (shade trees, entrance enhancements, boundary defining plantings)
- Proactive Tree Replacement Plantings
- Carbon Sequestration
- Public Education
- Maintenance Reducing Efforts – reduced mowing

\$400K (and counting!)



Additional Project Advancement Work:

Roadside Ditch Retrofits - designs and increased proliferation of this practice

Bioretention Practices - plans & designs

Tree Canopy Study

Partial Engineering & Designs to Completion

Site Preparation – **Fee-in-Lieu \$\$\$**



Additional Achievements to date...



2019 Outreach and Restoration Grant Program

- * Benefits: Local (small-scale) project implementation, grant management, opportunity to increase their Return on Investment, and NGO capacity lift!
- * Can invest **Fee-in-Lieu** funds with Trust to get projects in the ground...
- * Your investment can also be leveraged with CBT \$ to go farther!

QAC and SBY saw a significant ROI!

Mutual Aid Agreements

The sharing of supplies, equipment, personnel, and information across political boundaries.

Can be used to share environmental equipment such as street sweepers...



Get credit for going green

Meet requirements for purchasing environmentally preferred materials...

... and Ditch Vacuums.

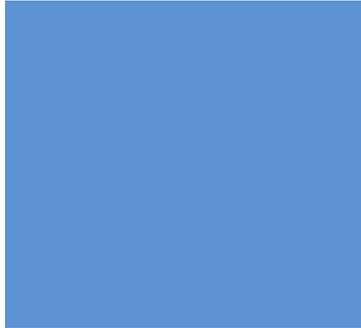
Trailer mounted and able to be transported more easily than street sweeper.

Reduces ditch soil disturbance and associated erosion potential.

Like a street sweeper, it can be easily weighed to track load reductions.



Professional
Services
Solicited from...

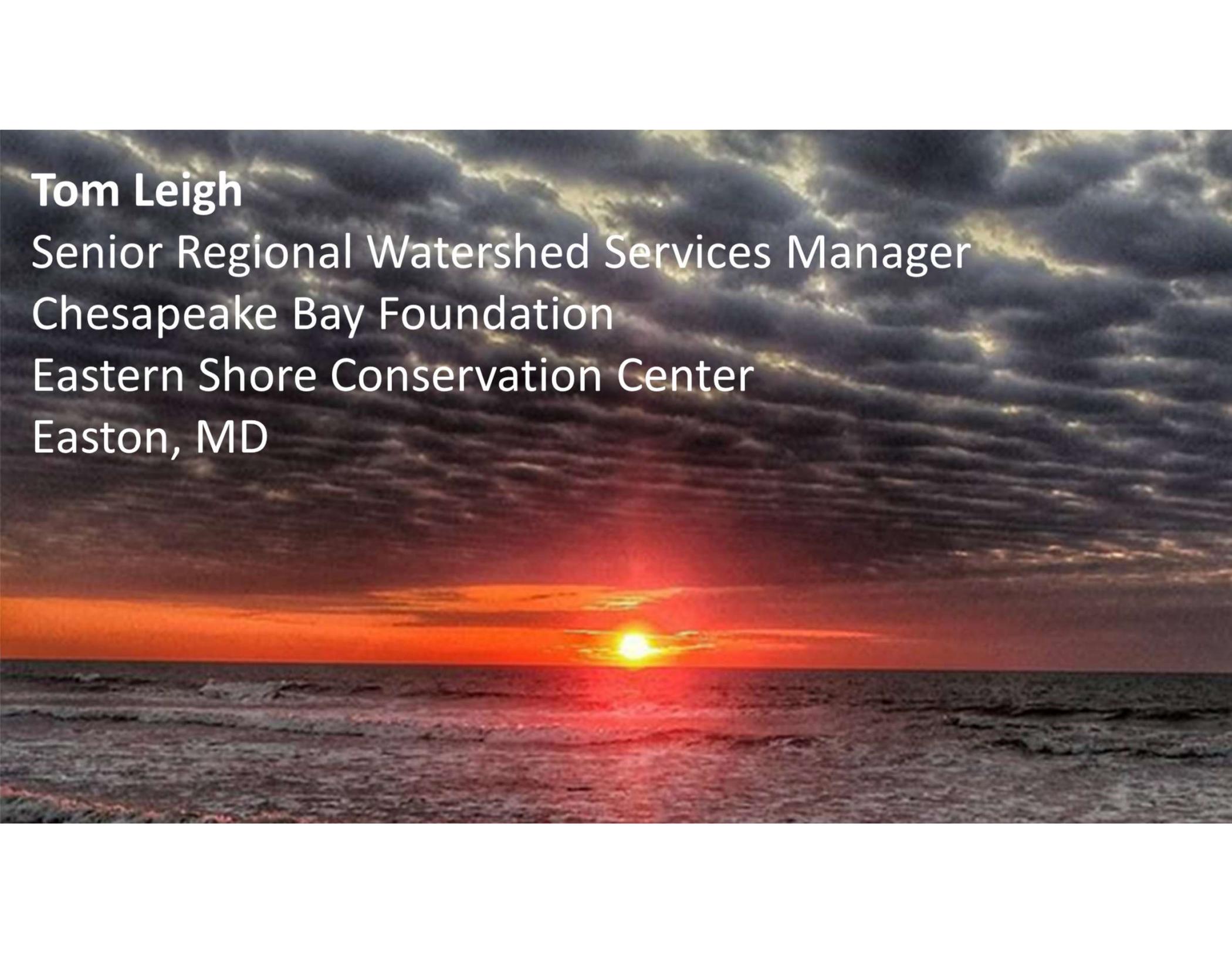


Chesapeake Legal Alliance

...dedicated to providing free legal services to hundreds of citizens, community groups, local governments, and environmental advocates working to protect the Chesapeake Bay and its rivers, streams, and communities.

Procurement Research Project:

**White Paper – legal guidance
on Joint Procurement Vehicle**

A dramatic sunset over a body of water. The sun is a bright yellow-orange orb on the horizon, casting a shimmering reflection on the dark water. The sky is filled with dark, heavy clouds, with some light breaking through near the horizon, creating a gradient of colors from deep red and orange near the sun to dark grey and blue at the top.

Tom Leigh

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Chesapeake Bay Foundation

Eastern Shore Conservation Center

Easton, MD