Oyster Indicator

Sustainable Fisheries Goal Implementation Team

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Chesapeake Bay Program
A Watershed Partnership

NOAA
National Oceanic and Atmospheric Administration
U.S. Department of Commerce

Outcome

Oyster outcome—continually increase finfish and shellfish habitat and water quality benefits from restored oyster populations. Restore native oyster habitat and populations in 10 tributaries by 2025 and ensure their protection.

Management Strategy

1. *Selection*
2. *Data collection*
3. *Acreage target*
4. *Develop plan*
5. *Implement*
6. *Track progress*
7. *Manage adaptively*
8. *Work collaboratively to secure resources*
9. *Considering future protection*

Tributary Process

Tributary Selection

Restoration Plan

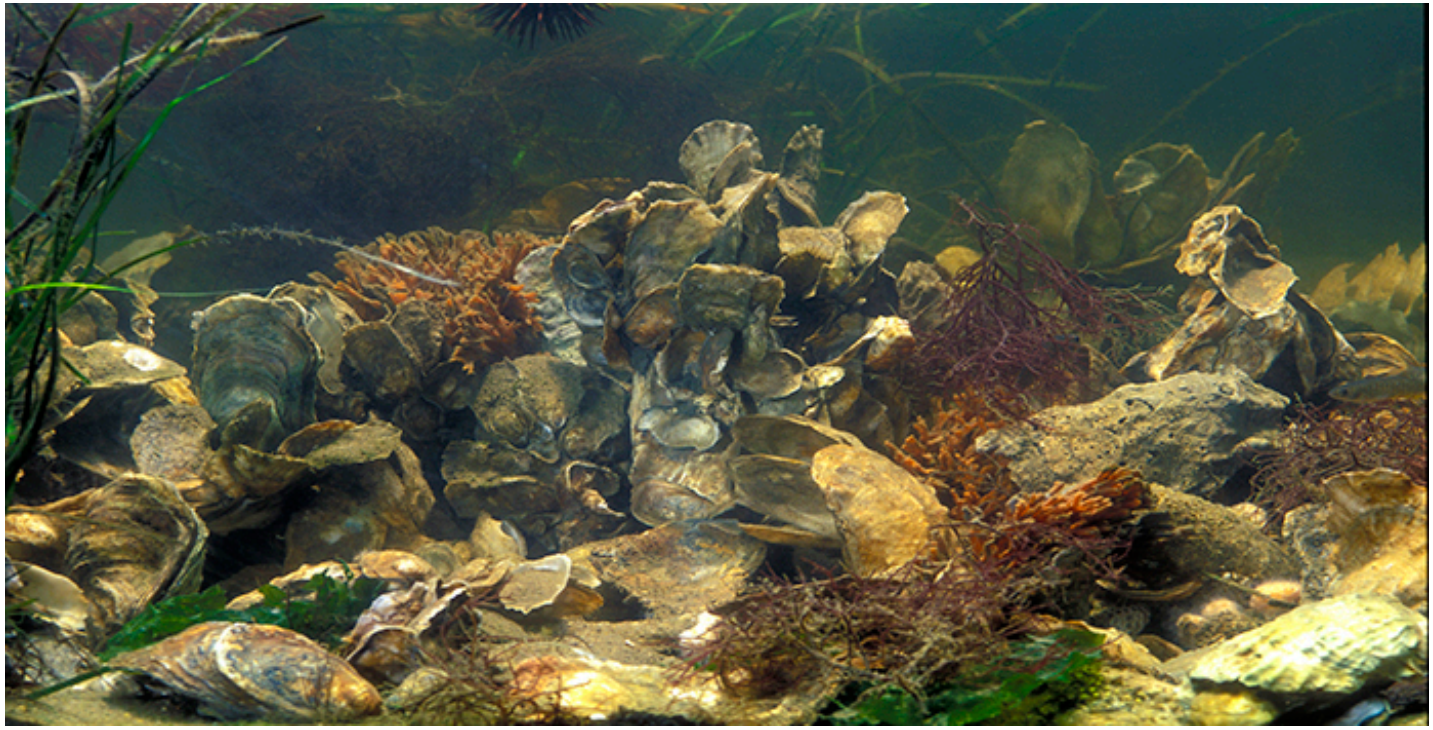
Reef Construction and Seeding

Monitoring and Evaluation

Proposed Indicators

Process: *Status of Tributary Selection and Planning (Dashboard)*

Output: *Implementation Progress (acreage indicator)*



Why Acres?

A good indicator is:

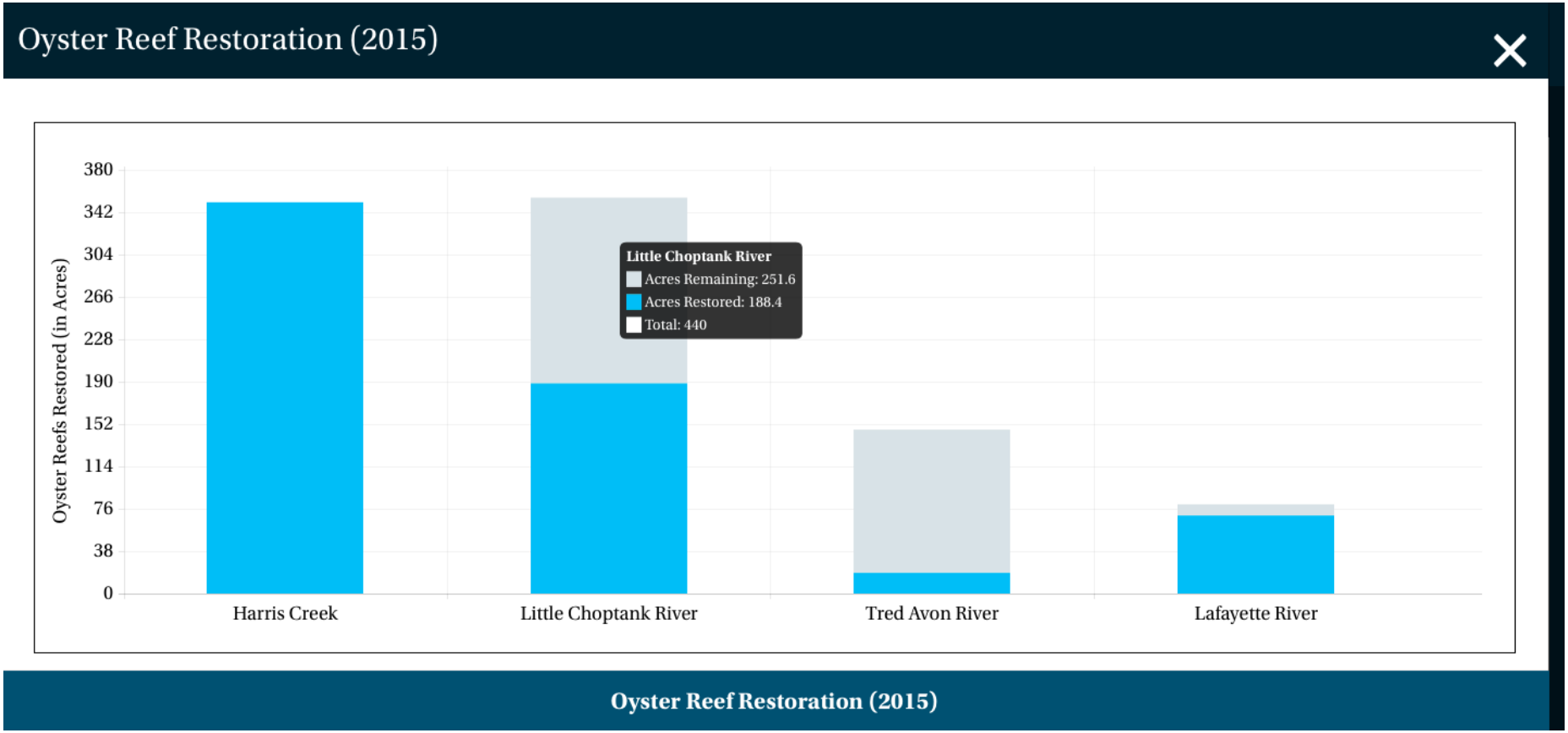
- simple and easy to understand by both experienced users and the general public
- representative, reflecting the current state of environmental problems

- ✓ *scientifically grounded, based on a well-developed scientific platform and flexible*
- ✓ *measurable with a simple unit*
- ✓ *comparable to current and past measures*
- ✓ *long term, taking into account possible future environmental changes*
- ✓ *policy-relevant*
- ✓ *timely, leaving opportunity for action*
- ✓ *results-oriented, focusing on measuring achievements.*

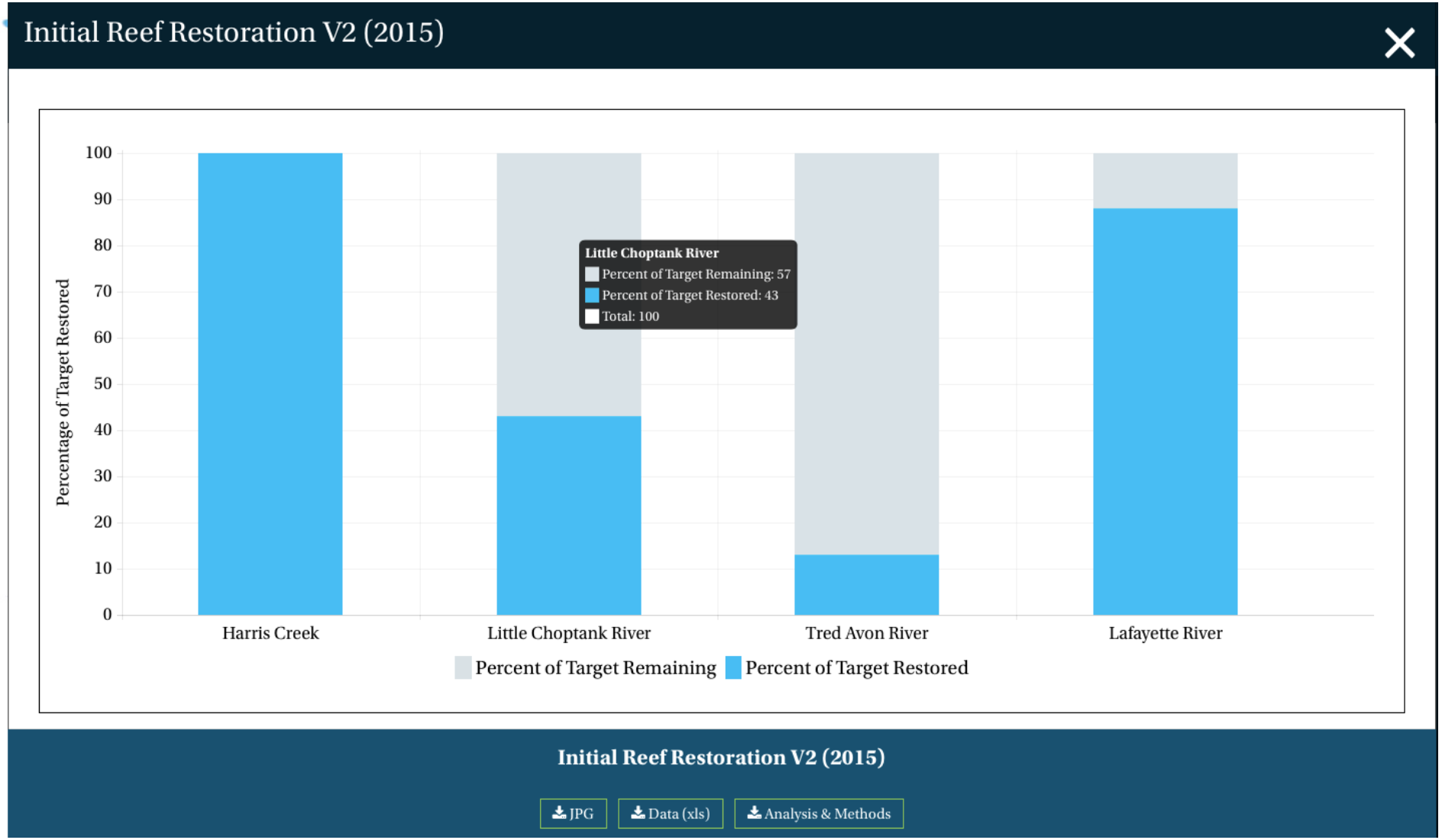
Dashboard

Tributaries	Tributary Restoration Plan	Reef Construction & Seeding	Monitoring & Evaluation	CompletedAcreage/ Target Acreage
Harris Creek			In Progress	350/350
Tred Avon		In Progress		2.6/147
Little Choptank		In Progress		85.8/440
Piankatank	In Progress			
Lynnhaven	In Progress			58/TBD
Lafayette		In Progress		70/80

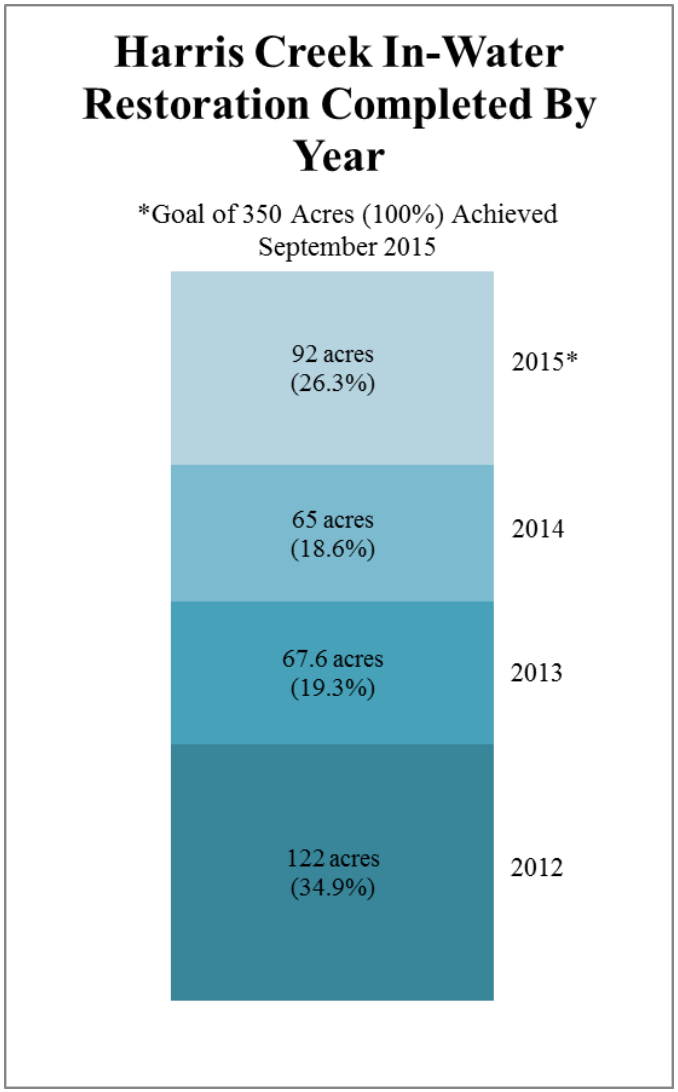
Acres

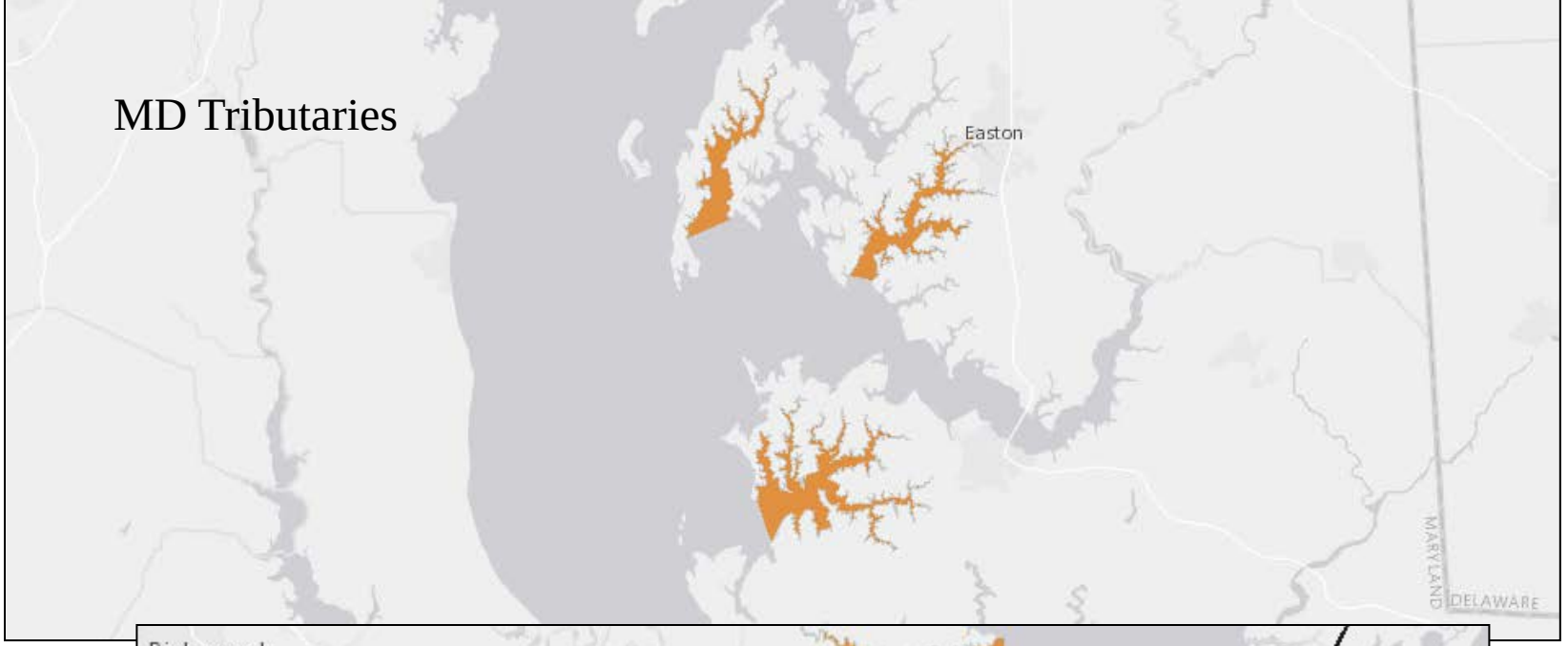

Oyster Reef Restoration (2015)
Oyster Reefs Restored (in Acres)
380
342
304
266
228
190
152
114
76
38
0
Little Choptank River
Acres Remaining: 251.6
Acres Restored: 188.4
Total: 440
Harris Creek
Little Choptank River
Tred Avon River
Lafayette River
Oyster Reef Restoration (2015)

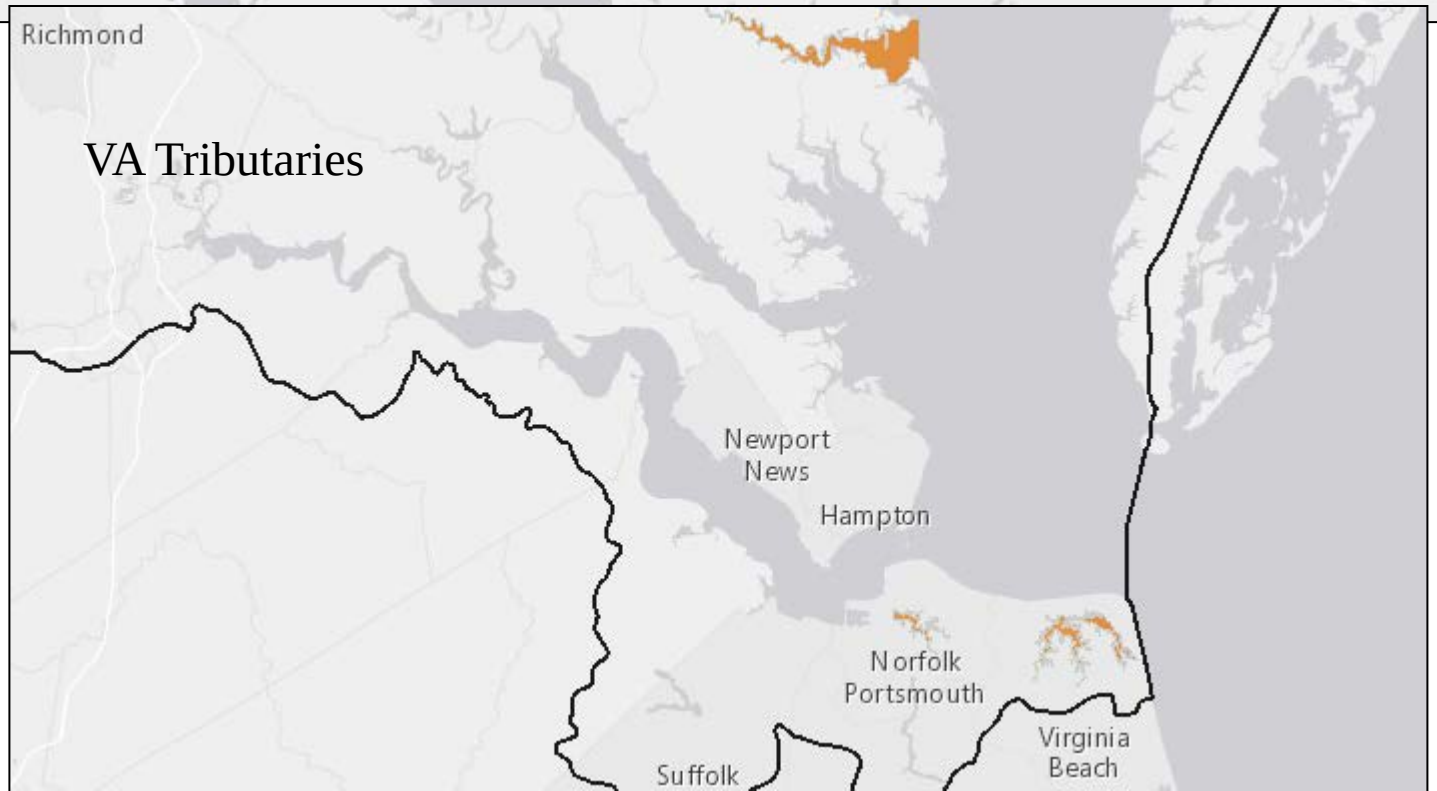
Percent of Acreage Target



Acres Graph


Harris Creek In-Water Restoration Completed By Year
*Goal of 350 Acres (100%) Achieved September 2015
92 acres (26.3%)
2015*
65 acres (18.6%)
2014
67.6 acres (19.3%)
2013
122 acres (34.9%)
2012


MD Tributaries
Easton
MARYLAND
DELAWARE


Richmond
VA Tributaries
Newport
News
Hampton
Norfolk
Portsmouth
Virginia
Beach
Suffolk

Next Steps

1. STAR (Status and Trends)
2. Fisheries GIT Workgroups (VA & MD)
3. Full Fisheries GIT

Feedback/Questions?