



# Who Does What, Where?

Using participatory mapping as a meaningful engagement tool to inform planning and management in Maryland

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February 9, 2016



# Disclaimer: MD did not invent PGIS

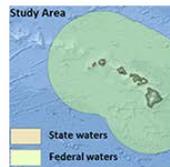
- NOAA's National Marine Protected Areas Center (Mimi D'lorio)
- NOAA has applied PGIS techniques for several projects since 2008
- Maryland adopted after learning in Virginia in 2012



Understanding human uses of the ocean is essential to successful marine planning, but spatial information on ocean uses is often scarce and difficult to capture consistently over large areas. Participatory geographic information system (PGIS) methods provide interactive ways to capture local knowledge and ocean-use patterns through specialized GIS mapping tools. A new resource, [Guidebook to Participatory Mapping of Ocean Uses and Appendices](#), explains NOAA's methods for developing and implementing a participatory mapping project. Visit [How to Map Ocean Uses with Participatory GIS](#) for an abbreviated version of the guidebook.

The following projects applied the NOAA PGIS methods across a wide range of geographies and scales with various types of partnerships and budgetary constraints. All shared a similar goal of filling critical data gaps using a stakeholder, expert-driven process to inform planning.

## The Projects



### The Pacific Regional Ocean Uses Atlas (2015)

This atlas is designed to document a full range of human activities and sectors in the ocean to support offshore renewable energy planning in the Bureau of Ocean Energy Management's Pacific region.

[Background](#) | [Report](#) | [Other Resources](#)



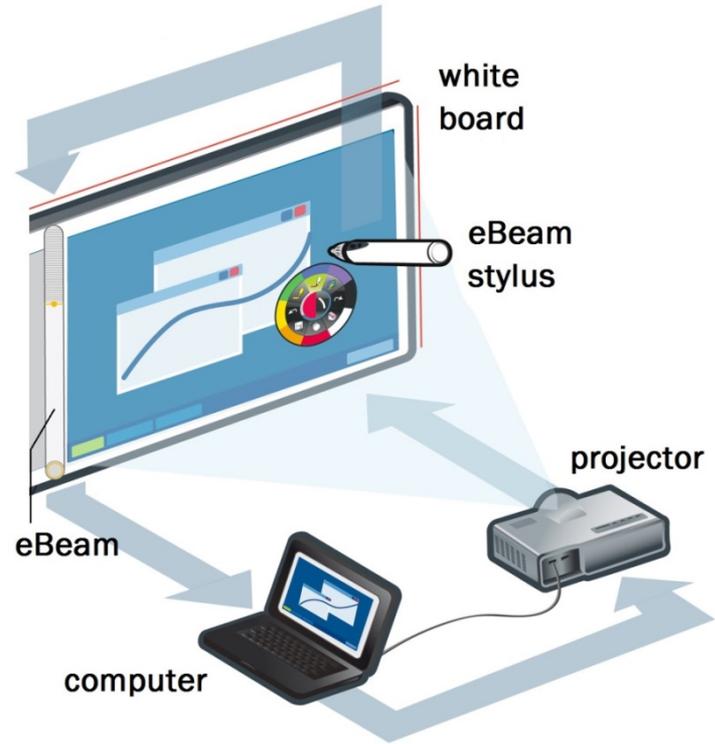
### American Samoa Coastal Use Mapping Project (2012)

The American Samoa project will inform planning and management activities in the greater Pago Pago Harbor region known as Fagaloa, an American Samoa Coral Reef Strategy priority site.

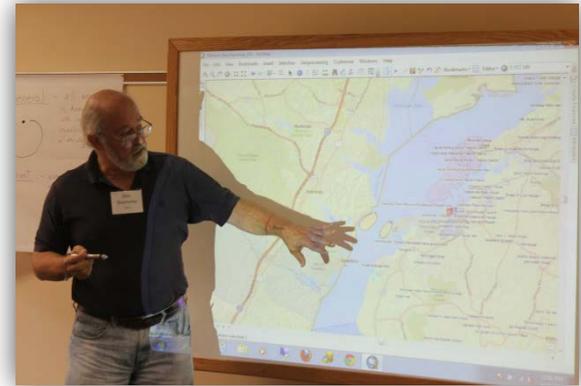
[Background](#) | [Other Resources](#)



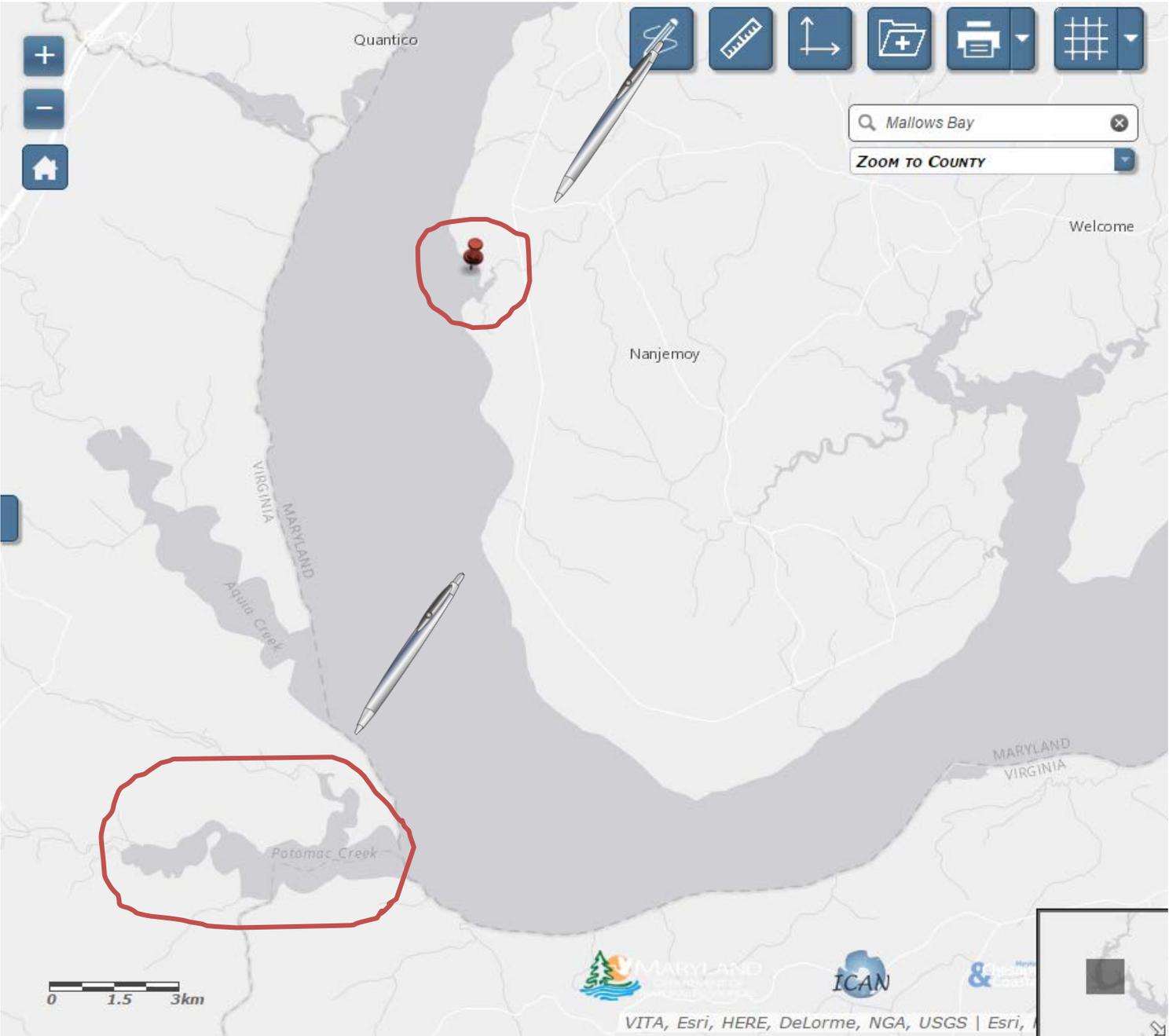
Credit: Mokhammad Edliadi for Center for International Forestry Research



Credit: Sammy Orlando



Credit: Sammy Orlando



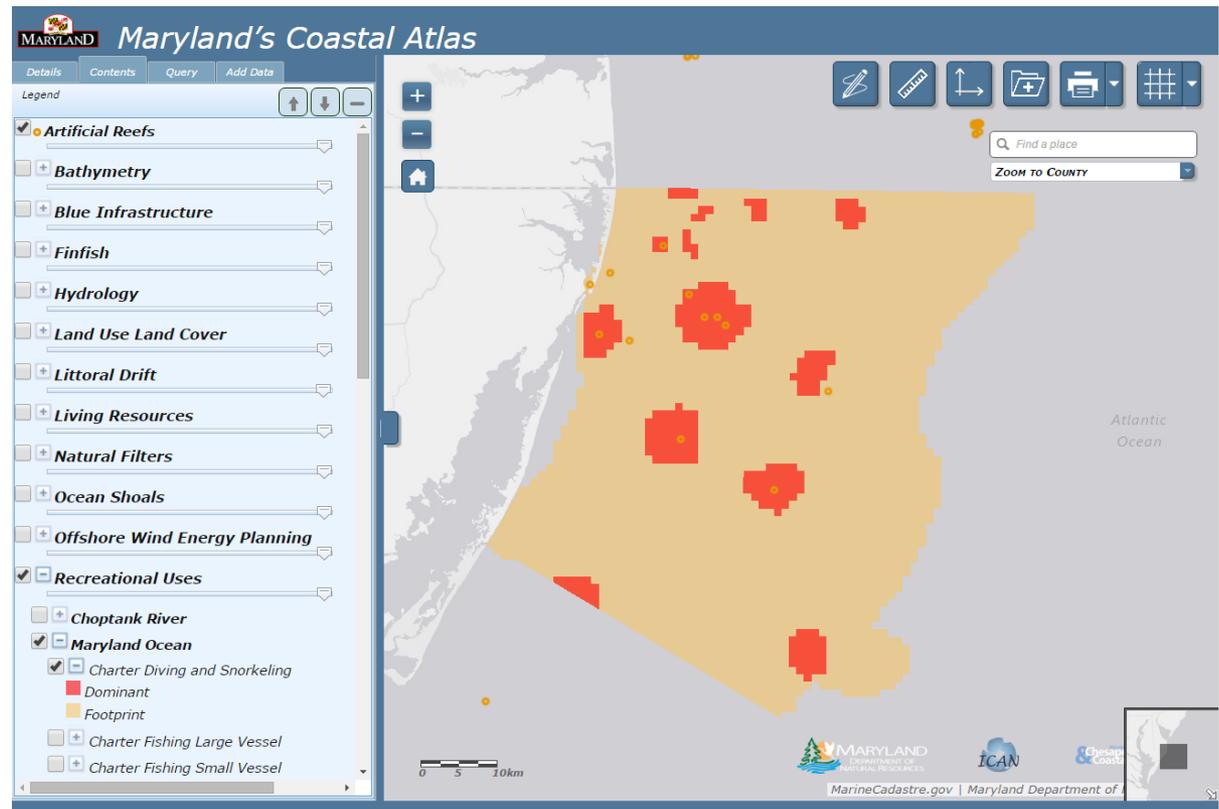
# Maryland's PGIS Efforts

January 2013:  
Atlantic Ocean

October 2013:  
Western Maryland

January 2014:  
Choptank River

June 2015:  
Potomac River



See: **Maryland's Coastal Atlas**

<http://dnr2.maryland.gov/ccs/Pages/coastalatlus.aspx>

# Mallows Bay – Potomac River



Credits: Daryl Byrd, Kimberly Hernandez, Don Shomette

# Mallows Bay June 2015 Workshop

32 participants

13 sectors

26 uses

23 final maps

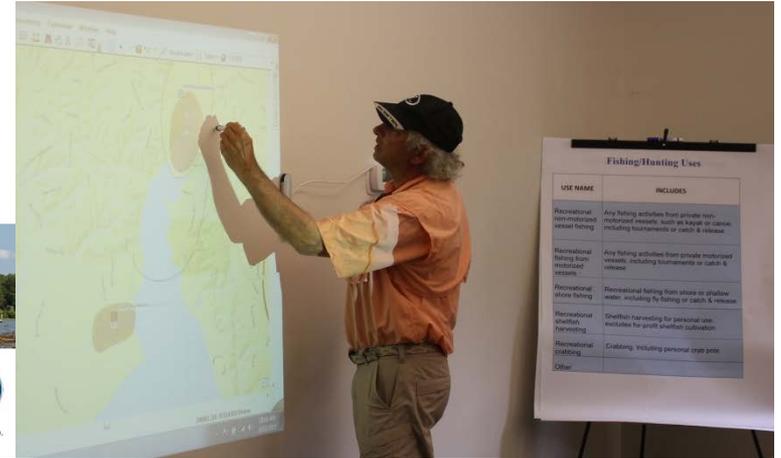
## WELCOME

Maryland's Mallows Bay Potomac River  
Recreational Use Mapping Workshop

College of Southern Maryland  
June 10, 2015



Thank you to all of our partners who have supported and helped organize this workshop.



Fishing/Hunting Uses	
USE NAME	INCLUDES
Recreational non-motorized social fishing	Any fishing activities from private non-motorized vessels, such as kayak or canoe, including tournaments or catch & release.
Recreational fishing boat (motorized) vessels	Any fishing activities from private motorized vessels, including tournaments or catch & release.
Recreational social fishing	Recreational fishing from public or shallow water, including fly fishing or catch & release.
Recreational shellfish harvesting	Shellfish harvesting for personal use, excludes for profit, shellfish cultivation.
Recreational crabbing	Crabbing, including personal crab pots.
Other	



# Lessons Learned

1. Be purposeful in defining a study area
2. Limit the number of uses (avoid mapper fatigue)
3. Be clear on the intent of mapping each use
4. Communicate your results via multiple media
5. Be honest and transparent with your participants

# Thank You!



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Resources:

<http://marinecadastre.gov/oceanuses/>

<http://dnr2.maryland.gov/ccs/Pages/coastalatlas.aspx>