





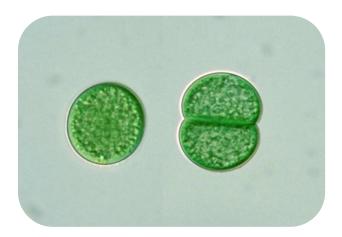
#### Tuana Phillips

Maintain Healthy Watersheds Goal Implementation Team
& Forestry Workgroup





## Undergraduate Research



Abundance and diversity of phytoplankton



Macroinvertebrate communities, habitat quality



Intertidal rock pool species richness



Density variation of *Acacia* nigrecens hooks at different herbivory pressures



Alpine lake biogeochemistry and atmospheric deposition of phosphorus



Rhododendron dieback and restoration

#### Maintain Healthy Watersheds GIT

Tracking Workgroup

Local Engagement
Workgroup

Chair Mark Bryer (TNC) Vice-Chair
Jason Dubow (MDP)

Coordinator
Renee Thompson (USGS)

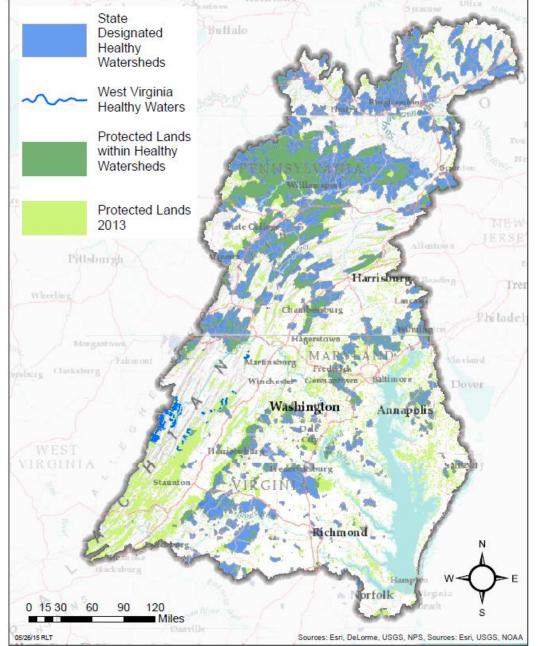
## Chesapeake Bay Watershed Agreement

Outcome: 100 percent of state-identified healthy waters and watersheds remain healthy

#### State Identified Healthy Watersheds

With Protected Lands





#### Management Approach #



#### Track the health...

of watersheds and our effectiveness in protecting them

1) Where are the healthy watersheds located?

4) How are we tracking the health and viability of those watersheds over time? (E.g., landscape characteristics, changes in land use)

2) Which healthy watersheds are threatened? (E.g., by energy or urban development)

3) What is being done to ensure that healthy watersheds are protected? (E.g., local land policies, easements, citizen stewardship)

#### Water Quality GIT

Forestry Workgroup

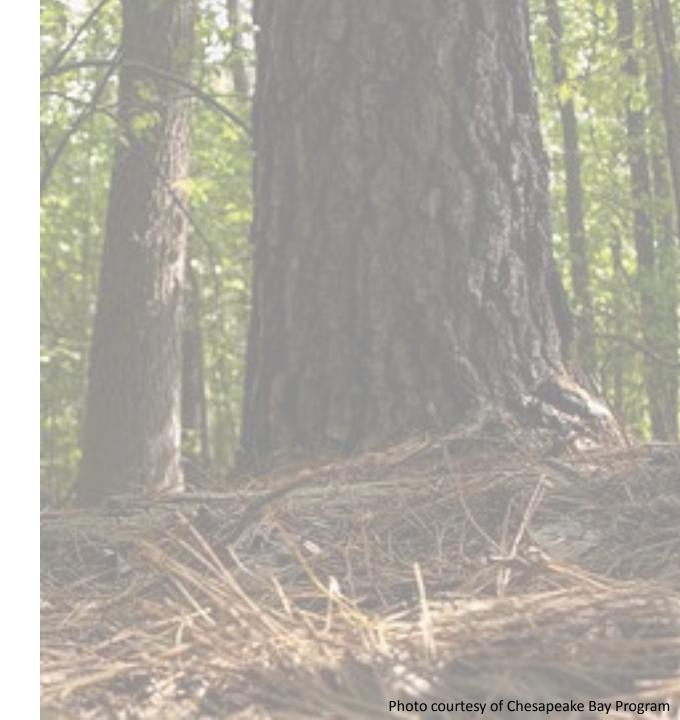
Chair Coordinator Staff
Rebecca Hanmer Sally Claggett (USFS) Julie Mawhorter (USFS)

## Forestry Updates

STAC 2012 Workshop: The Role of Natural Landscape Features in the Fate and Transport of Nutrients and Sediment

- Progress to date

& we need more science!



# Professional Development: goals, interests and future plans

## Goal: explore professional interests

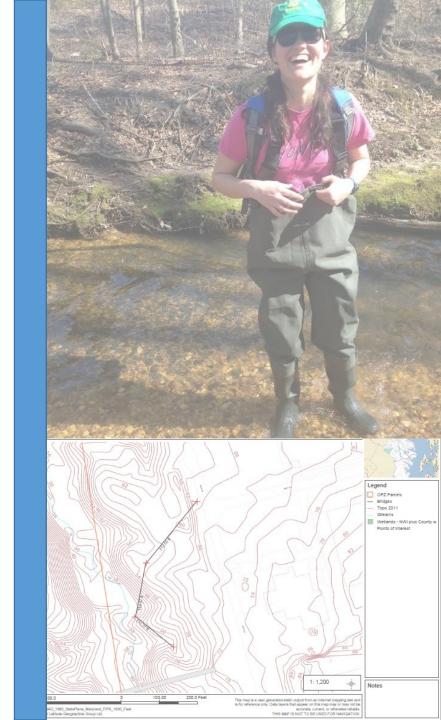
- √ Green Infrastructure workshop
- ✓ CUAHSI 2014 Conference

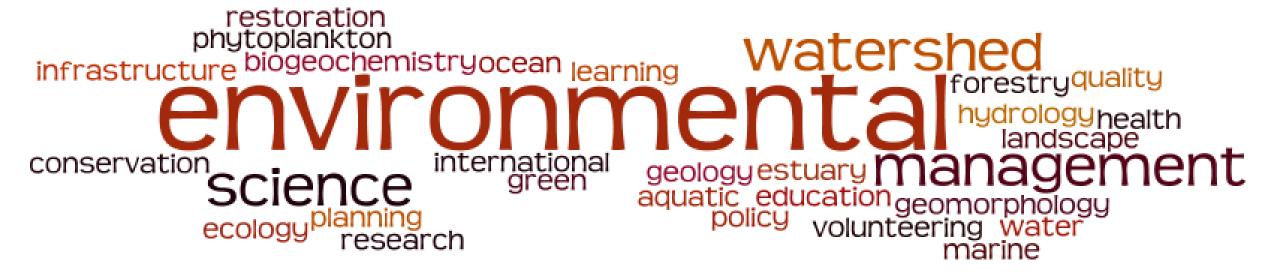
#### Goal: improve skills

- √ Three conference presentations
- ✓ Adobe InDesign training

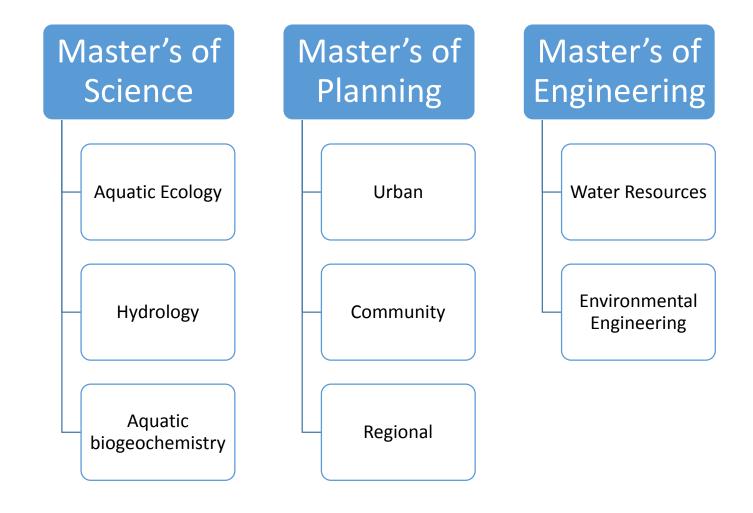
### Goal: trainings and certifications

- ✓ Maryland Biological Stream Survey Macroinvertebrate Sampling Certified
- √ Forest Conservation Qualified Professional Training course





## Future Plans: graduate school?



#### For more information...

#### Maintain Healthy Watersheds Goal Team website page:

http://www.chesapeakebay.net/groups/group/maintaining healthy watersheds goal implementation team

#### Forestry Workgroup website page:

http://www.chesapeakebay.net/groups/group/forestry\_workgroup

## Contact: Phillips.tuana@epa.gov (410)267-5737

Thank you!

## Healthy Watersheds Management Approaches

- Track the health...
  of watersheds and our effectiveness in protecting them
- Strengthen local commitment and capacity...
  to protect healthy watersheds
- Increase communication within the federal family...

So that federal programs and agency decision-making are more protective of state-identified healthy watersheds

4 Support state-based efforts...

Encourage and recognize important activities within states