

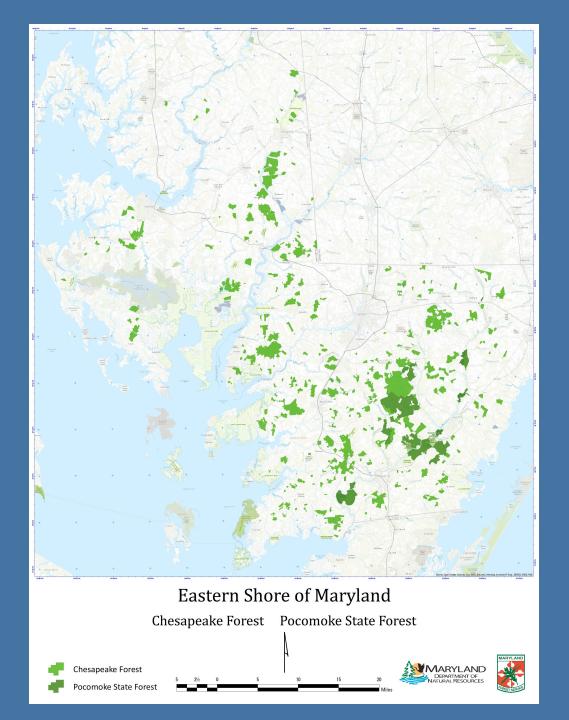
Maryland Forest Service





Mission Statement

To Restore, Manage, and Protect Maryland's Trees, Forests, and Forested Ecosystems to Sustain Our Natural Resources and Connect People to the Land.

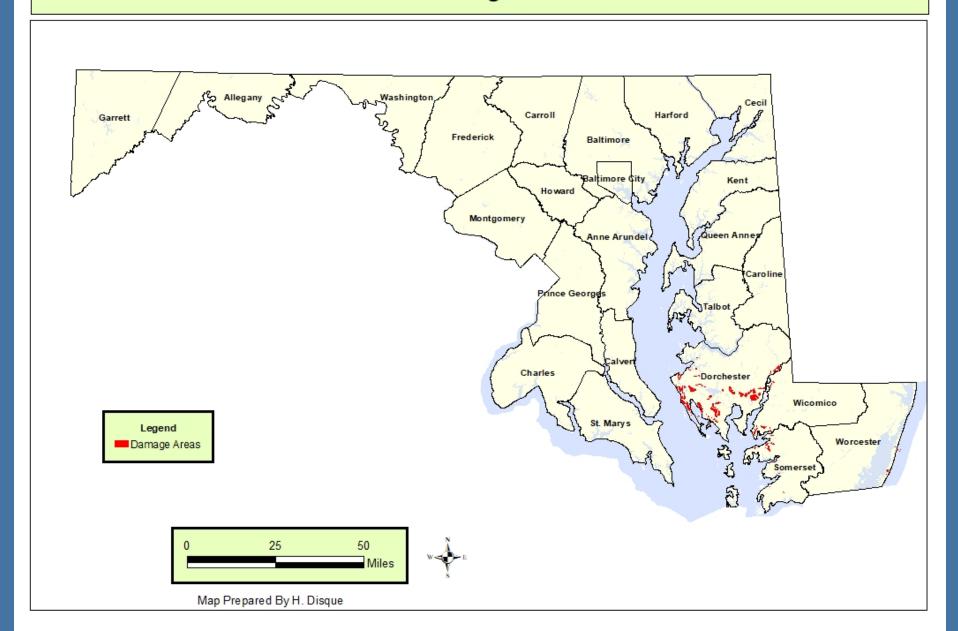




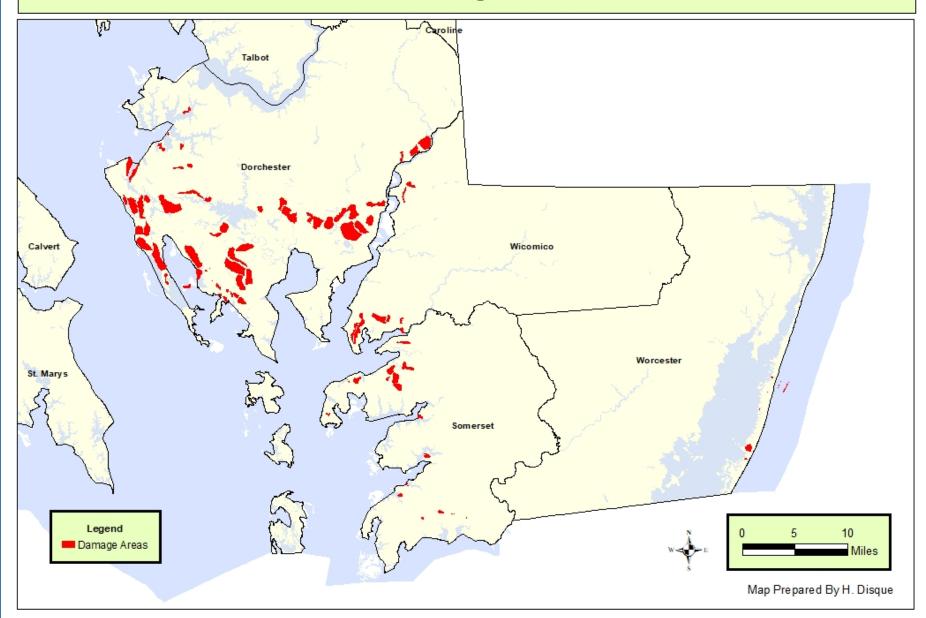
Salt Intrusion on Forests

- ➤ Where's the Salt Coming From?
- ➤ Sea Level Rise, Groundwater
- ► Tidal Surge, Weather Events
- ➤ Salt Spray

Maryland Department of Agriculture 2018 Saltwater Intrusion Damaged Areas Forest Pest Management Section



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Issues to Address

➤ Stress Induced Problems.



Heather Disque Forest Pest Management, MDA

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- ➤ Harvesting to control spread or increase forest health.

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- >Stress Induced Problems.
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- ➤ Merchantable species tolerant to soil salt or salt spray.

Salt Tolerant Species

Merchantable/Wildlife

- **≻**Oaks
- **→** Baldcypress
- **≻**Blackgum
- **≻**Persimmon
- **≻**Sycamore
- **➢**Black Locust
- ➤ Ash (if there's any left)

Non-Merchantable/Wildlife

- ➤ Sweetbay Magnolia
- **≻**Bayberry
- Hackberry
- >Wax Myrtle
- ➤ Smooth/Hazel Alder
- >Marsh Elder
- ► Red Chokeberry

Private Industry

- > Find new forest products
- Find adaptive or new ways to harvest
 - ▶ Cable Harvesting
 - ➤ Barge/Boat Harvesting
 - ➤ Helicopter Harvesting
 - ► Low Ground Pressure Harvesting



Columbia Helicopters - http://www.colheli.com/

Impacts

- ➤ Property Values
- **▶**Forest Migration
- ➤ No Net Forest Loss 40% Forest Tree Canopy

Where Do We Go From Here?

- Continued Research We have the land!!!
- ➤ Partnership with Private Industry
- ► Landowner Outreach Public Perception of Buffers

Any Questions?

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