

On the Brink: Rare, Threatened & Endangered Species



By: USFWS



By: Bill Hubick, MBP



By: K. Wixted

Kerry Wixted

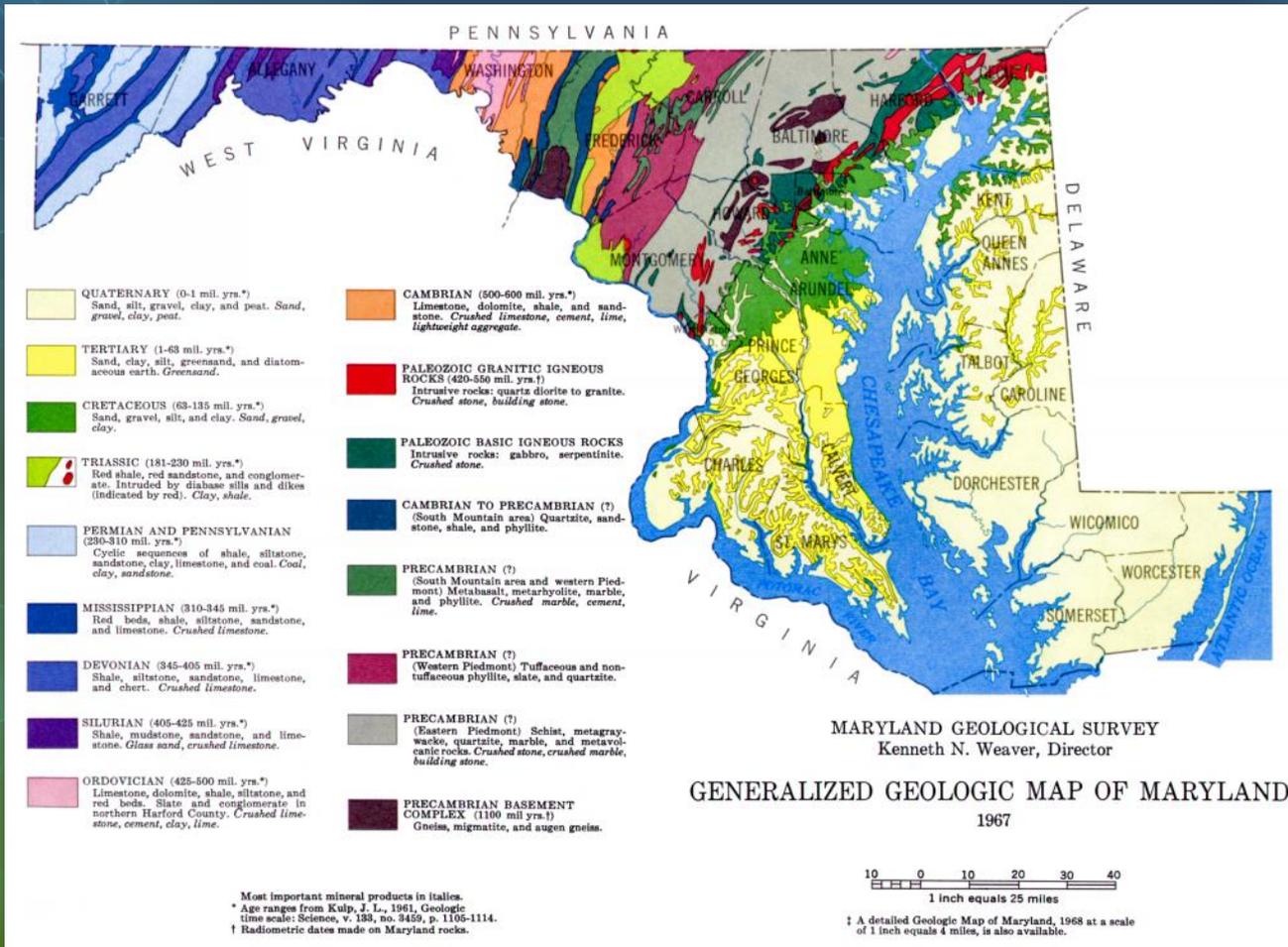
Wildlife and Heritage Service, MD DNR



Maryland is Diverse!

○ >18,000 species!

○ >1,250 rare, threatened or endangered



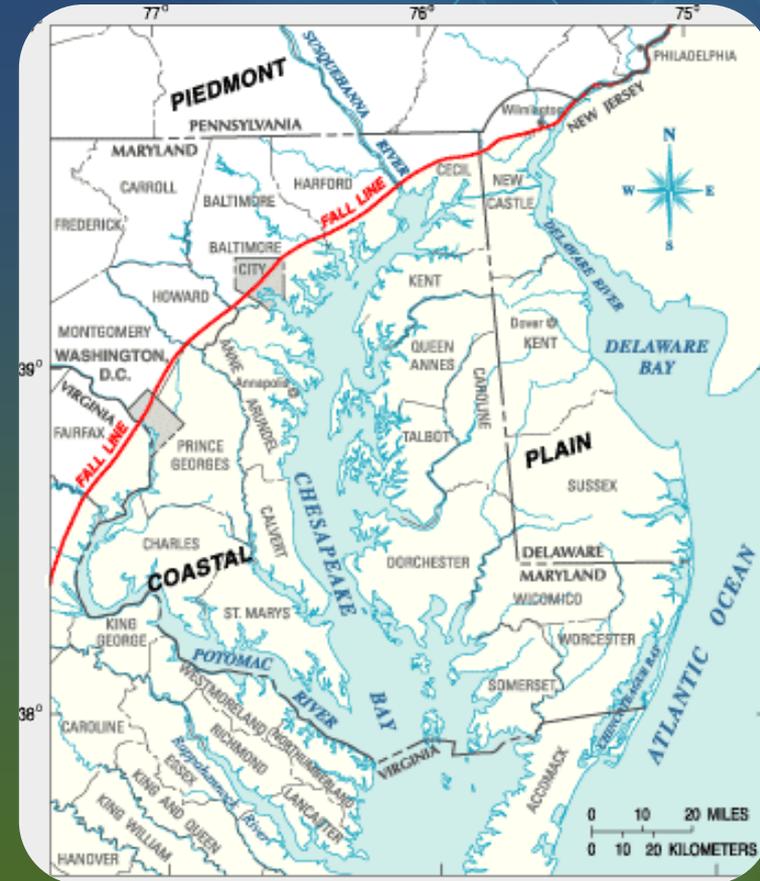
Southern MD Physiography

○ Atlantic Coastal Plain

○ Gravel, sand, silt, and clay

○ Fall line overlap w/ Piedmont

○ Occasional shell marl pockets



Rarity Rankings

○ Global Rank: G1-G5

○ G1= Highly Globally Rare

○ G5= Secure

○ State Rank: S1-S5

○ S1= Highly State Rare

○ S5= Secure

○ Legal Ranks:

○ Threatened

○ Endangered

○ Extirpated

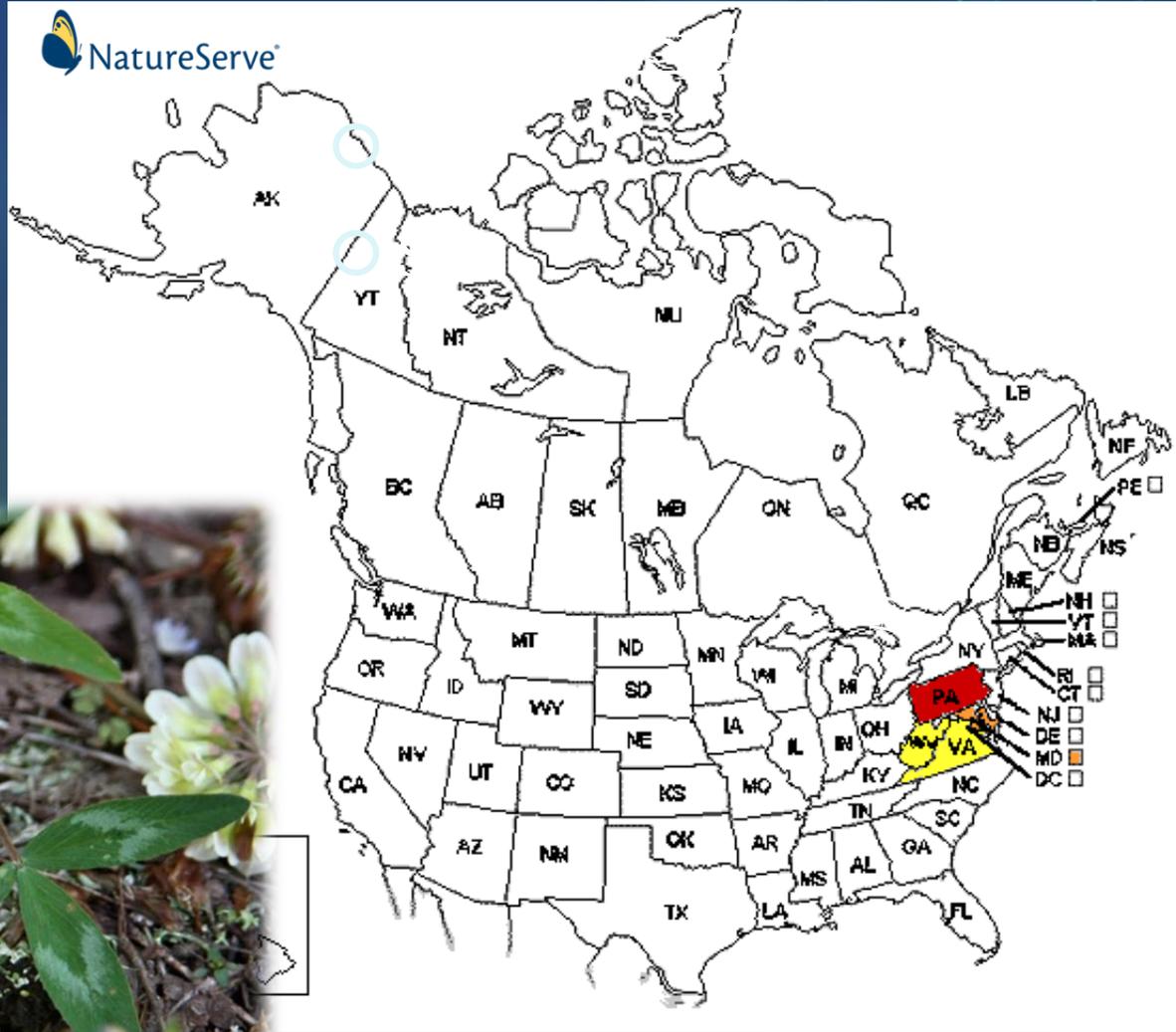


Examples

Kate's Mtn Clover

○ G3

○ S2S3T



By: Jim Brighton

Natural Heritage Program

○ Roles:

- Perform field surveys and scientific research
- Maintain data needed to conserve species and habitats
- Provide technical guidance on rare species conservation
- Manage and restore ecosystems



Acidic Seepage Wetlands



By: Kerry Wixted

Seepage Wetland Species

Carolina Satyr

S1S3



By: Judy Gallagher

Gray Petaltail

S3



Long-stalk greenbrier

S2T



Five-lined Emerald

S2



By: Judy Gallagher

Battle Creek Cypress Swamp



By: K. Wixted

Red Turtlehead
(*Chelone obliqua*)

S2 T



By: Charlene Nutter

Cypress Sphinx
(*Isoparce cupressi*)

S1S2

American Chestnut Land Trust



By: K. Wixted

Showy Goldenrod

(*Solidago speciosa*)

○ G5/S2 T



By: K. Wixted

Few-flowered Ticktrefoil

(*Hylodesmum pauciflorum*)

○ G5/S1 E



By: K. Wixted

Single-headed Pussytoes

(*Antennaria solitaria*)

○ G4/S2 T

Roadside Species



By: K. Wixted

Carolina Anglepod

(*Matelea carolinensis*)

○ S2S3 E



By: Jim Brighton, MBP

Eastern Silvery Aster

(*Symphyotrichum concolor*)

○ S1E



By: Sonnia Hill

Woolly Threawn

(*Aristida lanosa*)

○ S1E

Notable Birds

By: Dan Pancamo



Least Tern

(Sternula antillarum)

○ G4/S2B T

By: Bill Hubick, MBP



Barn Owl

(Tyto alba)

○ G5/S3

Other Interesting Rarities!



By: K. Wixted



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Swollen Bladderwort

(*Utricularia inflata*)

○ G5/S1 E

Crested Yellow Orchid

(*Platanthera cristata*)

○ S3

Hairy Snoutbean

(*Rhynchosia tomentosa*)

○ S2T

State Wildlife Action Plan (2015)

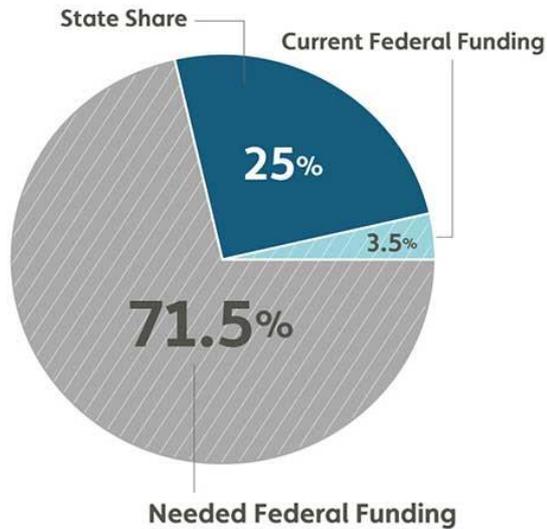


MARYLAND STATE WILDLIFE ACTION PLAN

Executive Summary



THE NEED FOR INCREASED FUNDING



State Share of Wildlife Funding
\$440 Million

Current State & Tribal Wildlife Grant Program Funding
\$62 Million

Recovering America's Wildlife Act Funding
\$1.3 Billion

Source: FY 2017 Enacted Budget and Association of Fish and Wildlife Agencies



Our Nature. Our Nation. Our Future.



How to Help

- Conserve habitat
- Remove invasive species
- Support deer management
- Support research
- Educate others
- Report findings!



Questions?



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Conserve biodiversity!