Wetland Advisory Committee Meeting
11 February 2014

Unique Non-tidal Freshwater Wetlands in Delaware

William A. McAvoy
Division of Fish and Wildlife
Species Conservation and Research Program

Summation of the Wetland Flora of Delaware

- ✓ **Native Flora of DE = 1588 species**
- ✓ **Wetland Plants = 45% (708 species)**
- ✓ **Non-tidal Wetland Plants = 88% (614 species)**
- ✓ **Rare Non-tidal Wetland Plants = 38% (234 species)**
- ✓ **Rare Plants of Unique Non-tidal Wetlands = 61% (143 species)**

Unique Non-tidal Freshwater Wetlands in Delaware

- **Black Ash Seepage Swamps**
- **Inner-dune Depression Meadows**
- **Piedmont Stream Valley Wetlands**
- **Peat-land Fens**
- **Bald Cypress Swamps**
- **Atlantic White Cedar Swamps**
- **Coastal Plain Seasonal Ponds**

Black Ash Seepage Swamp (11 Rare Plants)

Black Ash Seepage Swamp (11 Rare Plants)

Caltha palustris
marsh marigold

Equisetum fluviatile
water horsetail

Inner-dune Depression Meadows (20 Rare Plants)

Inner-dune Depression Meadows (20 Rare Plants)

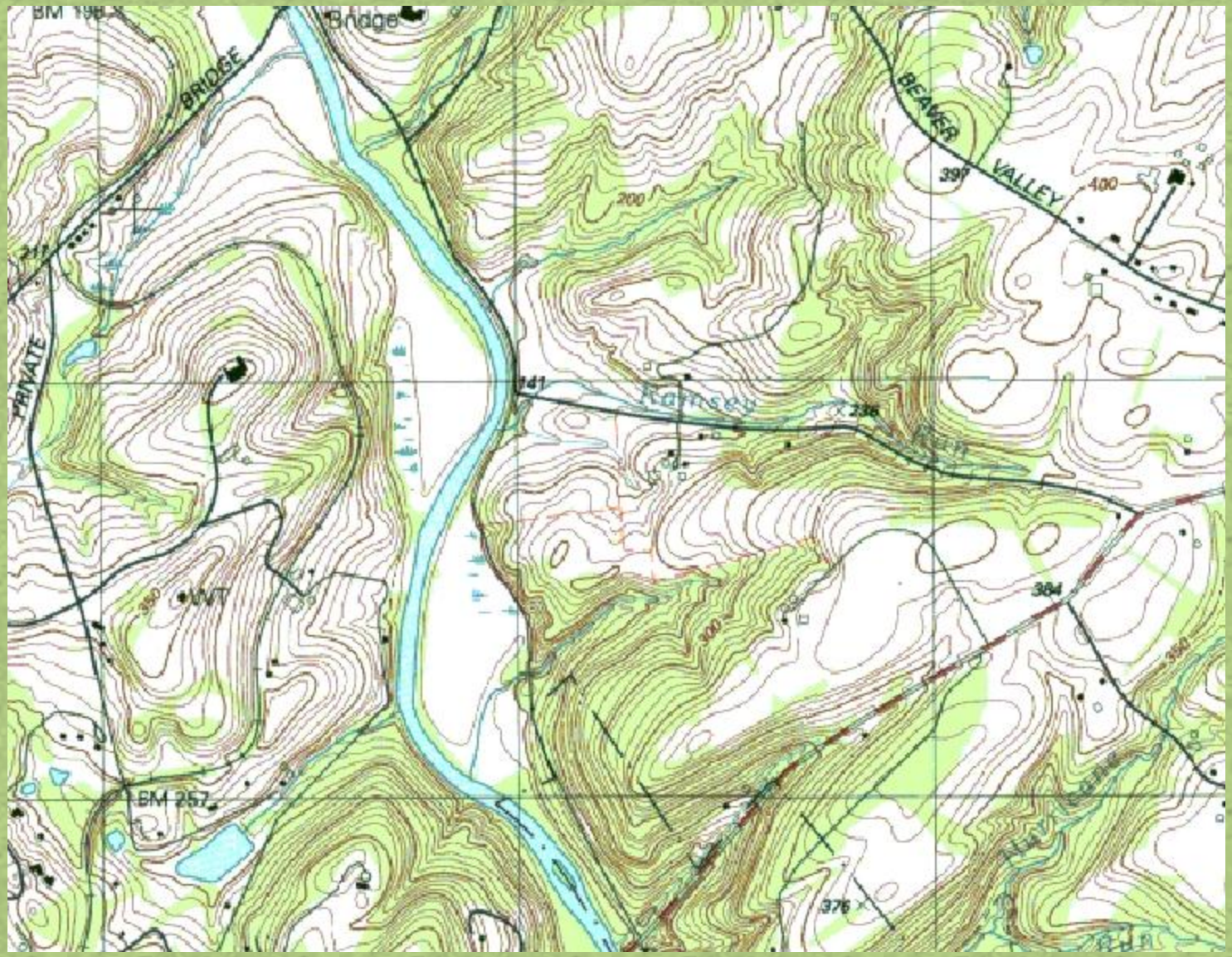
Inner-dune Depression Meadows (20 Rare Plants)

Platanthera blephariglottis
white-fringe orchis

Pogonia ophioglossoides
rose pogonia orchid

Calopogon tubereosus
grass-pink orchid

Piedmont Stream Valley Wetlands (19 Rare Plants)



Piedmont Stream Valley Wetlands (19 Rare Plants)

Carex tetanica var. canbyi
Canby's rigid sedge

Ranunculus septentrionalis
shining hispid buttercup

Bog turtle

Mark Tegges

Peat-land Fens
(39 Rare Plants)

Peat-land Fens
(39 Rare Plants)

Black Duck

Mallard

Eryngium aquaticum
rattlesnake-master

Alnus maritima subsp. *maritima*, Delmarva alder

Bald Cypress Swamps

Bald Cypress Swamps

Bald Cypress Swamps

Wood Duck

Hooded Merganser

Atlantic White Cedar Swamps (12 Rare Plants)

Atlantic White Cedar Swamps (12 Rare Plants)

Sarracenia purpurea var. *purpurea*
Northern puple pitcher plant

Drosera intermedia, spoon-leaved sundew

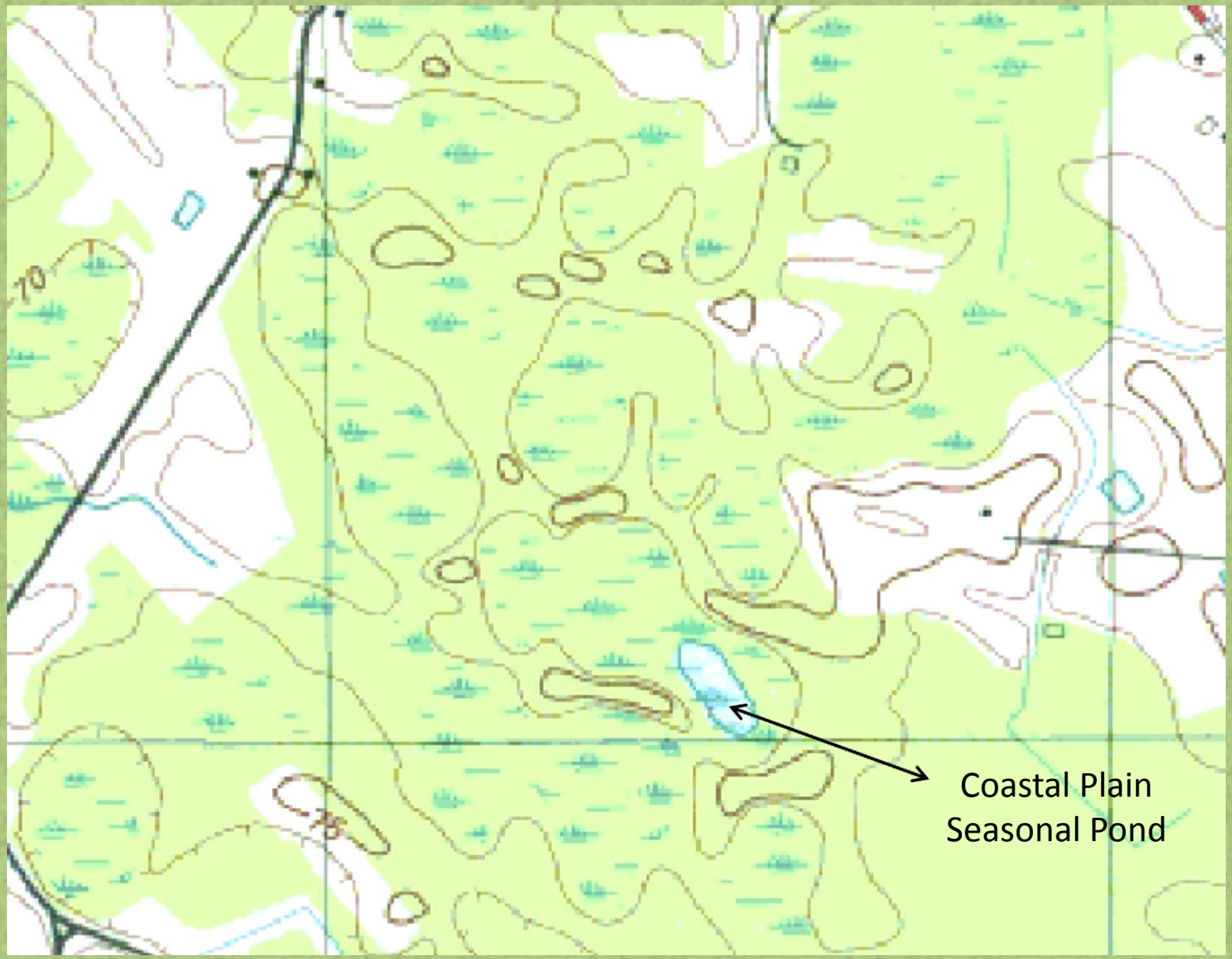
Drosera rotundifolia
roundleaf sundew

Helonias bullata
swamp pink

Hessel's Hairstreak

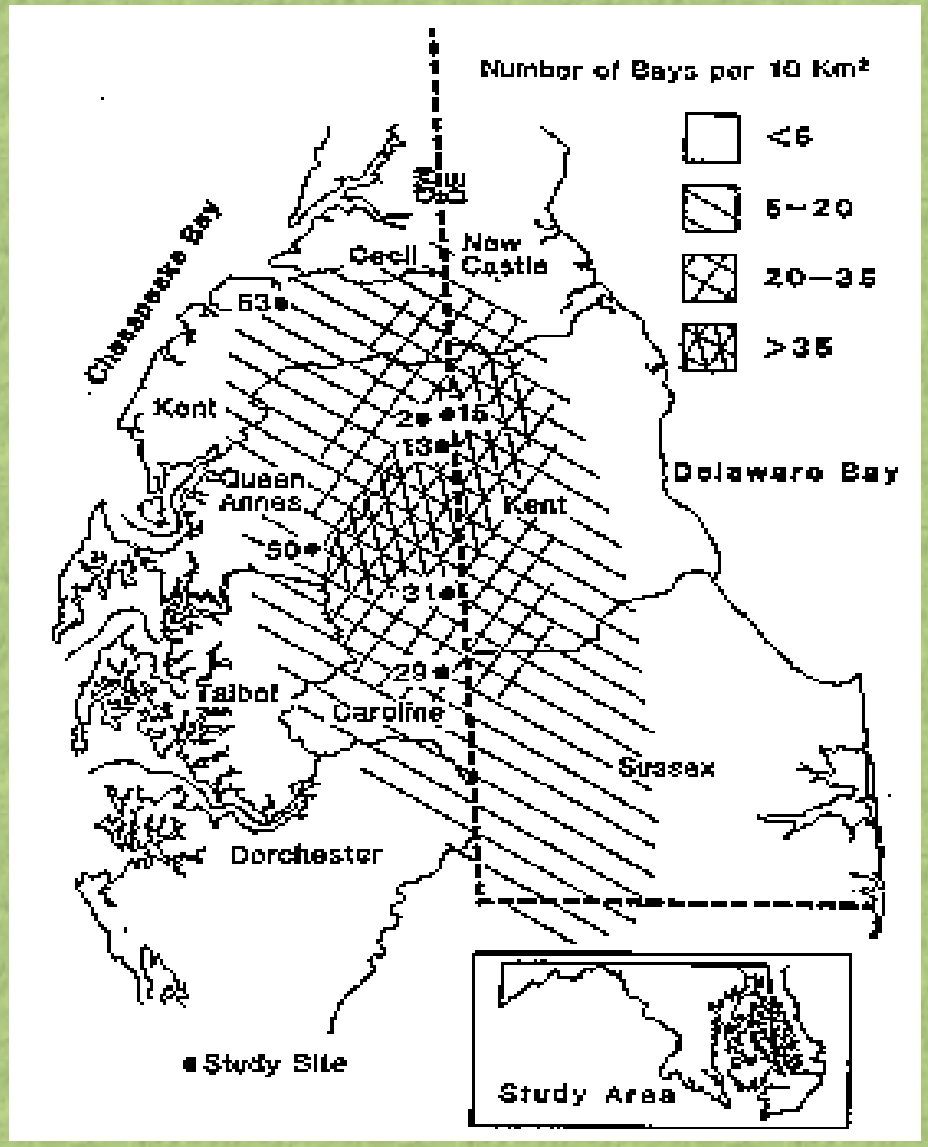
Erik Nielsen

Coastal Plain Seasonal Ponds (42 Rare Plants)



Coastal Plain Seasonal Ponds

Distribution and Abundance of Coastal Plain Seasonal Ponds on the Delmarva Peninsula



Stolt, M. & M. Rabenhorst. 1987. Carolina Bays on the Eastern Shore of Maryland II: Distribution and Origin Soil Sci. Soc. of Am., 51(2).

Hottonia inflata, featherfoil

Hottonia inflata, featherfoil

Fimbristylis perpusilla, dwarf fimbry sedge

Ranunculus flabellaris, yellow water-crowfoot

Dichanthelium hirstii
Hirst Brothers' panic grass

Wood Duck

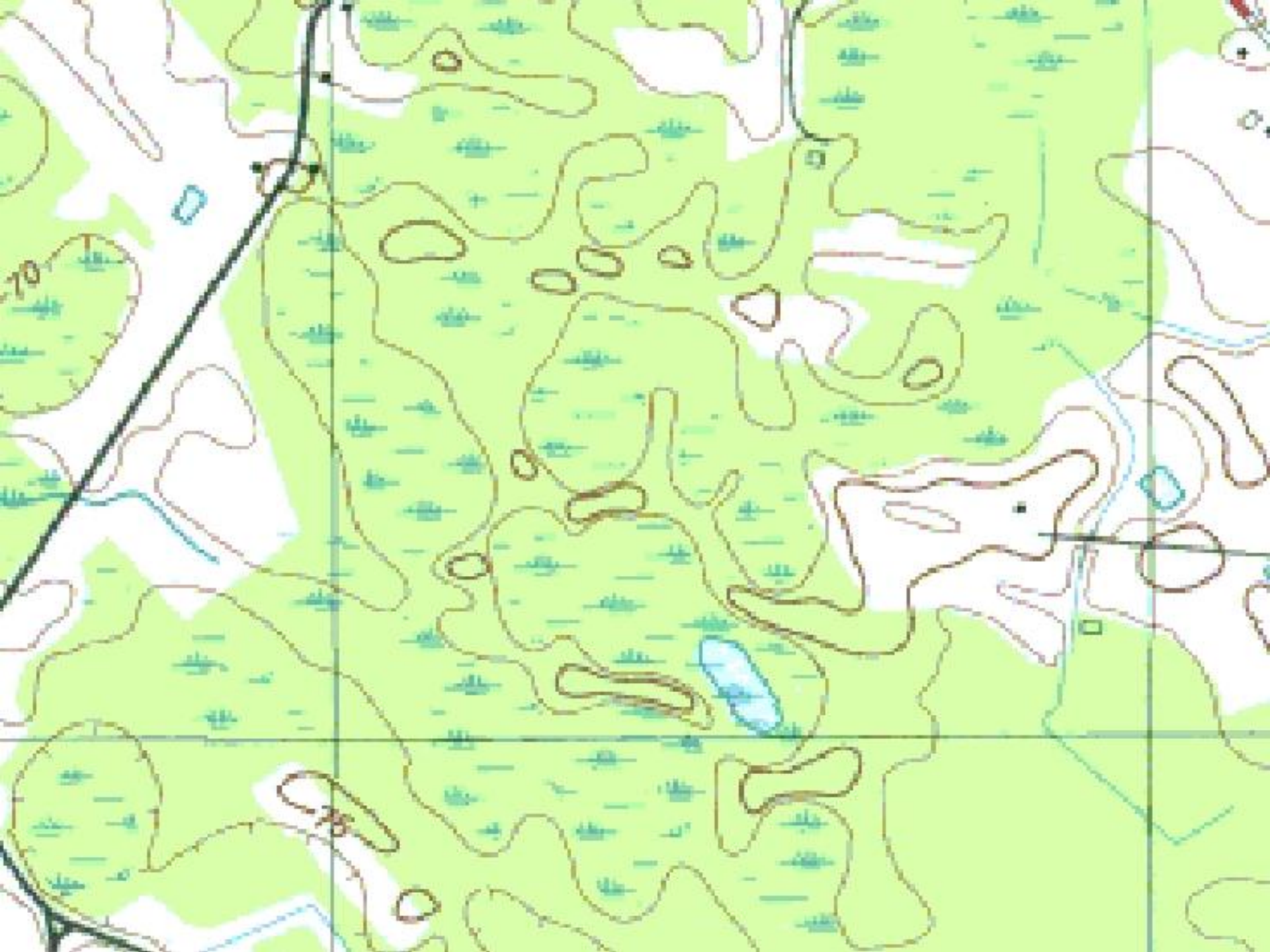
Tiger salamander

Amphibian egg mass

Carpenter frog

Spotted salamander

Cope’s gray tree-frog

Barking tree frog

Marbled salamander