

The Chesapeake Bay Nutria Eradication Project

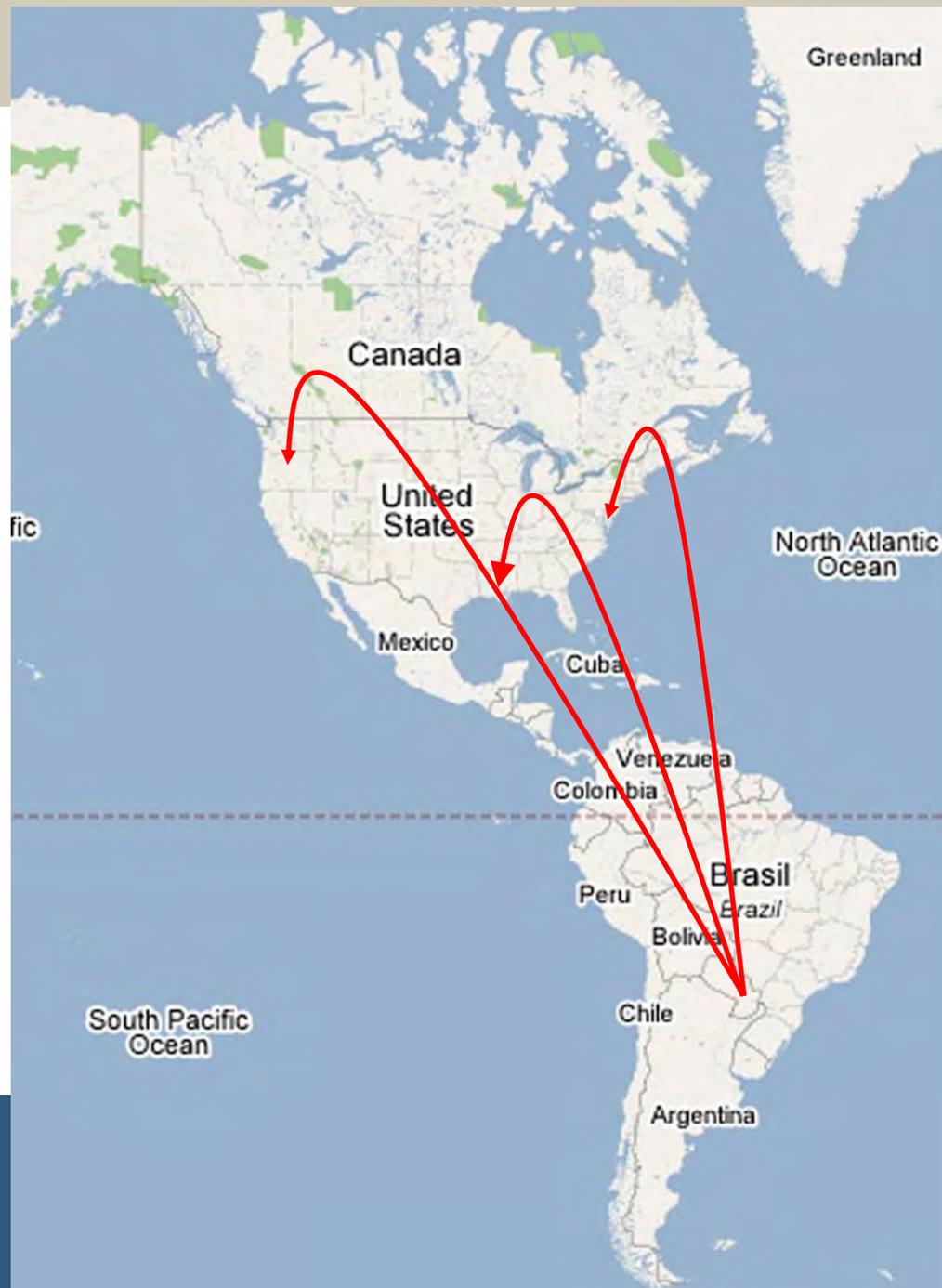


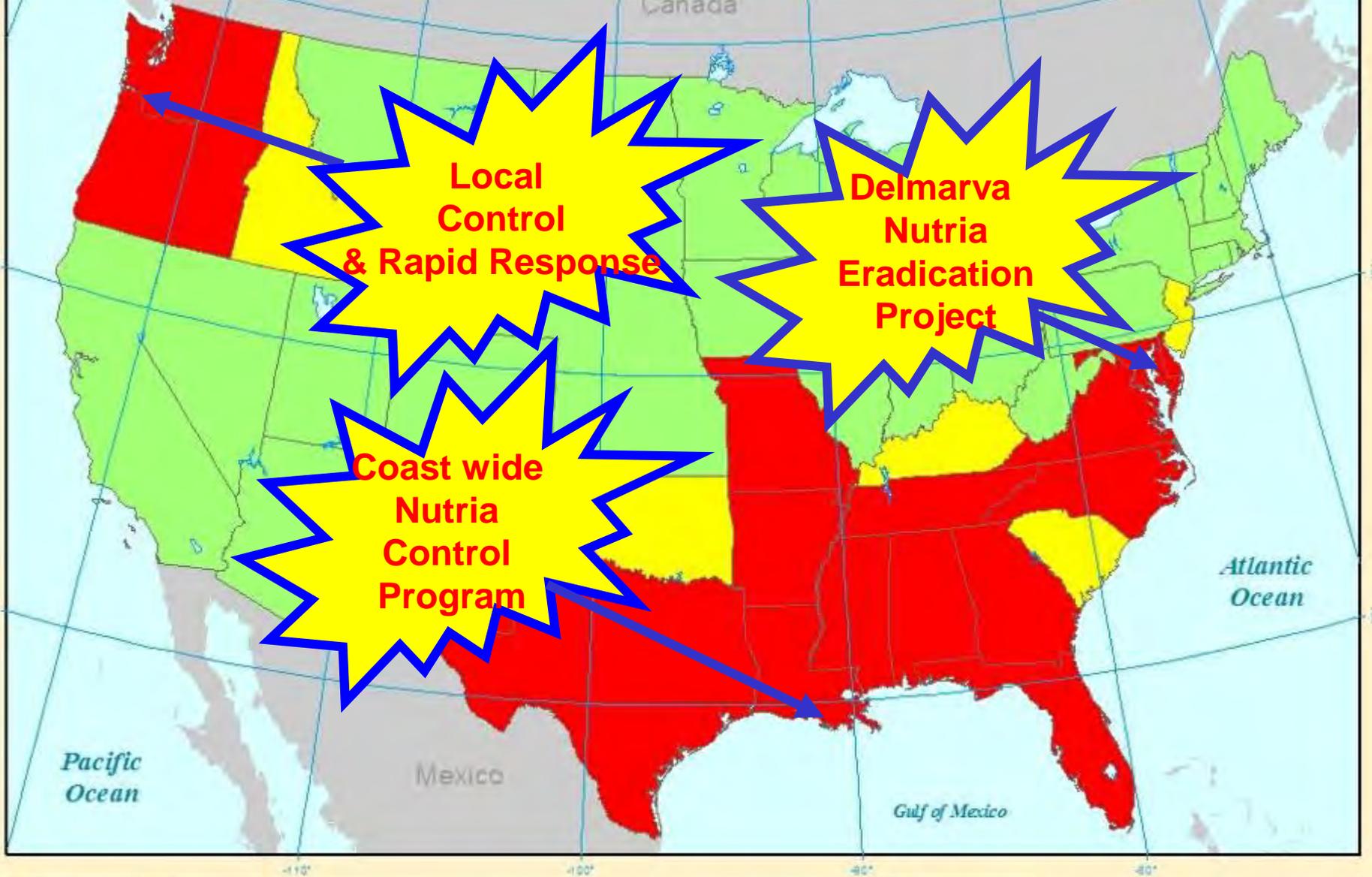
Protecting People
Protecting Agriculture
Protecting Wildlife



United States Department of Agriculture
Animal and Plant Health Inspection Service

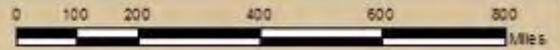
Nutria





United States Nutria Status
 Absent
 Possible
 Present

United States Nutria Distribution



Albers Projection
 Central Meridian: -96
 1st Standard Parallel: 20
 2nd Standard Parallel: 60
 Latitude of Origin: 40



Chesapeake Bay Nutria Eradication Project

- Nutria in Maryland
- Environmental impacts



Blackwater National Wildlife Refuge

1938



1989





Saving the Bay



Economical



Ecological

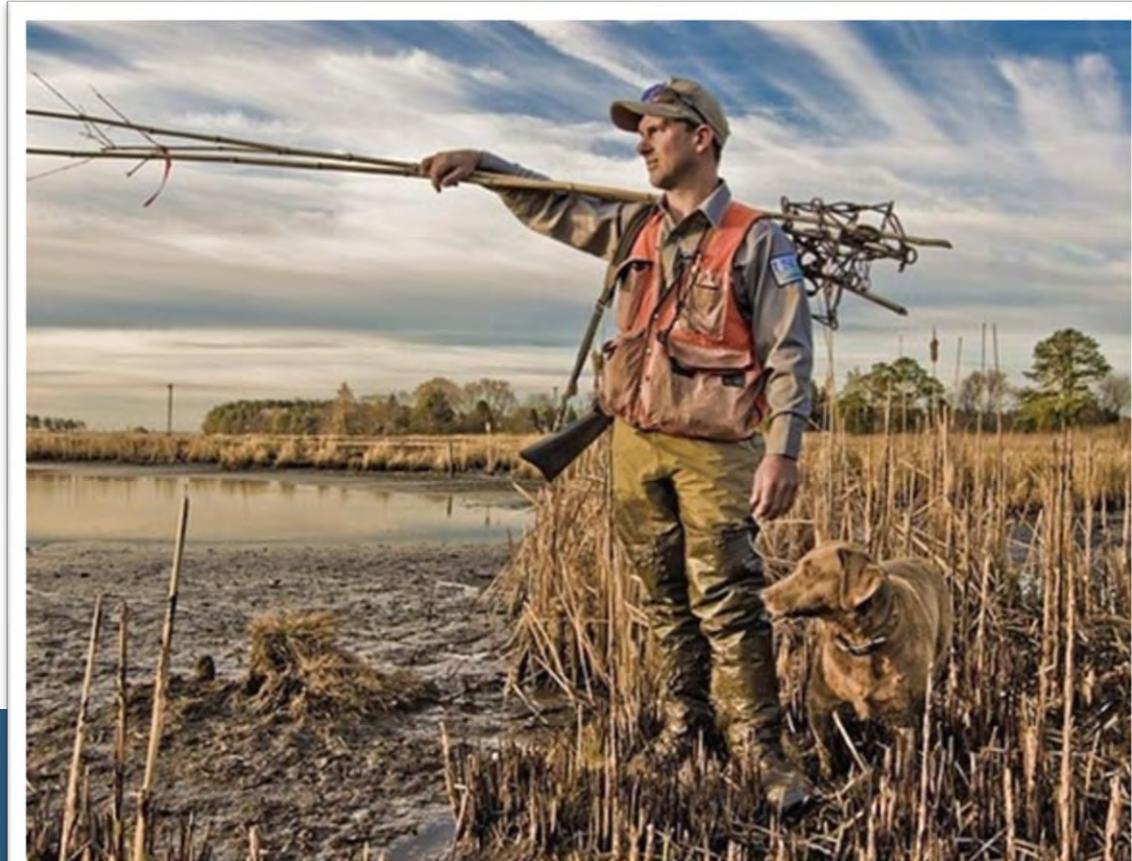
Cultural



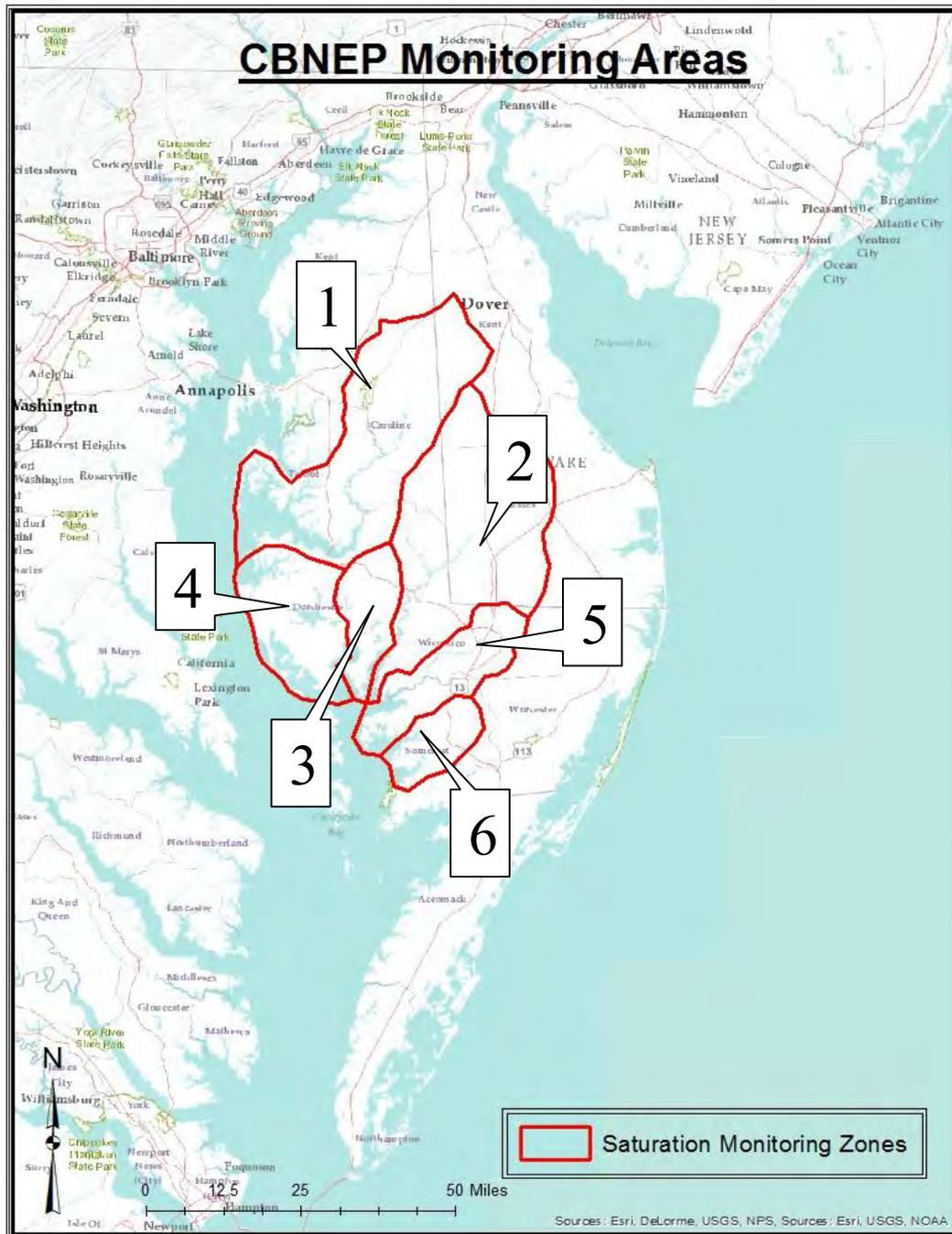
Chesapeake Bay Nutria Eradication Project 2002



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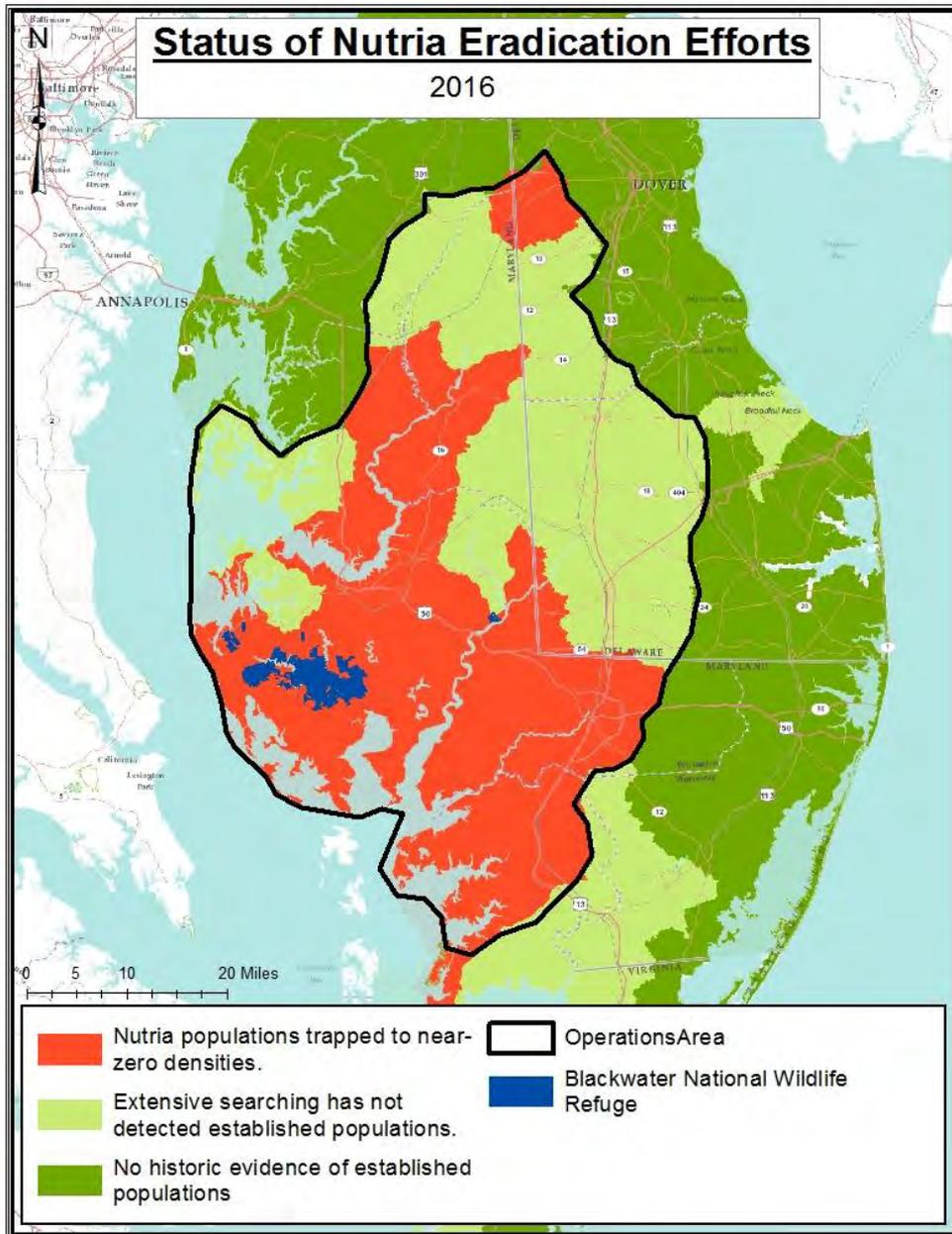


CBNEP Monitoring Areas



Monitoring Areas

1. Choptank
2. Nanticoke
3. Transquaking
4. Blackwater
5. Wicomico
6. Manokin



- 9 watersheds infested
- Almost 14,000 nutria removed since 2002
- Approx. ¼ million acres of wetlands protected
- >400 private landowners received assistance

Chesapeake Bay Nutria Eradication Project

- Status 2016
- “Saturation Monitoring”
- Monitoring/detection efforts
- How do you prove absence?



Nutria Detection Techniques

- Ground
- Shoreline
- Canines
- Cameras
- Monitoring Platforms/Hair Snares

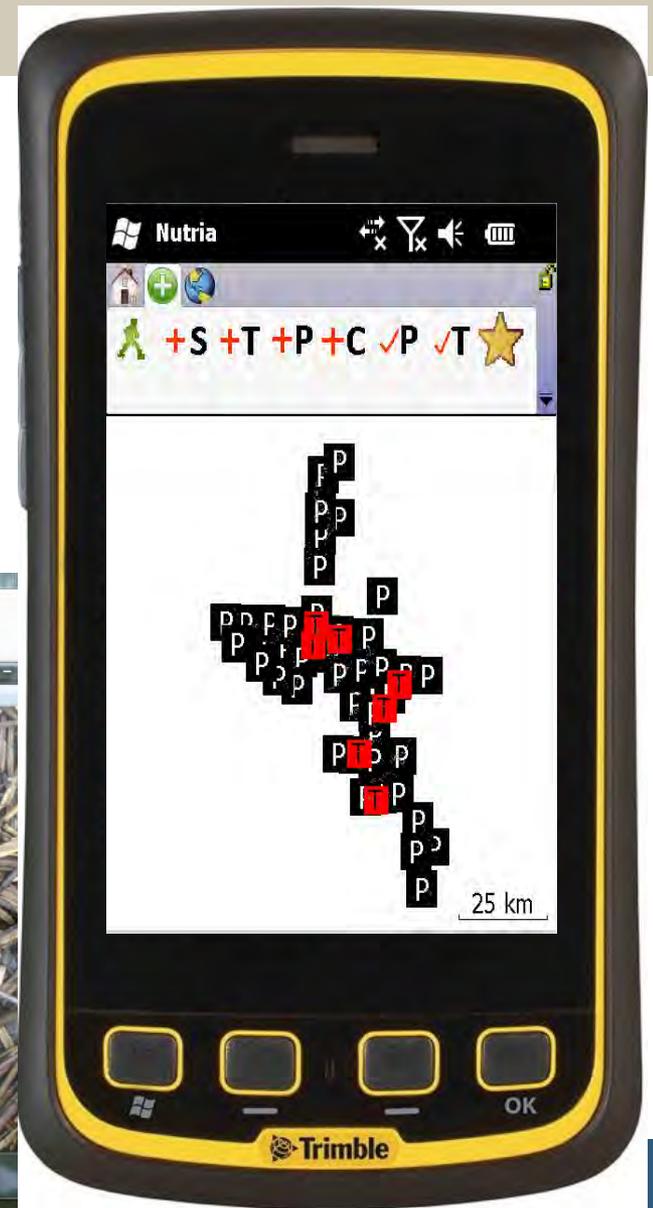
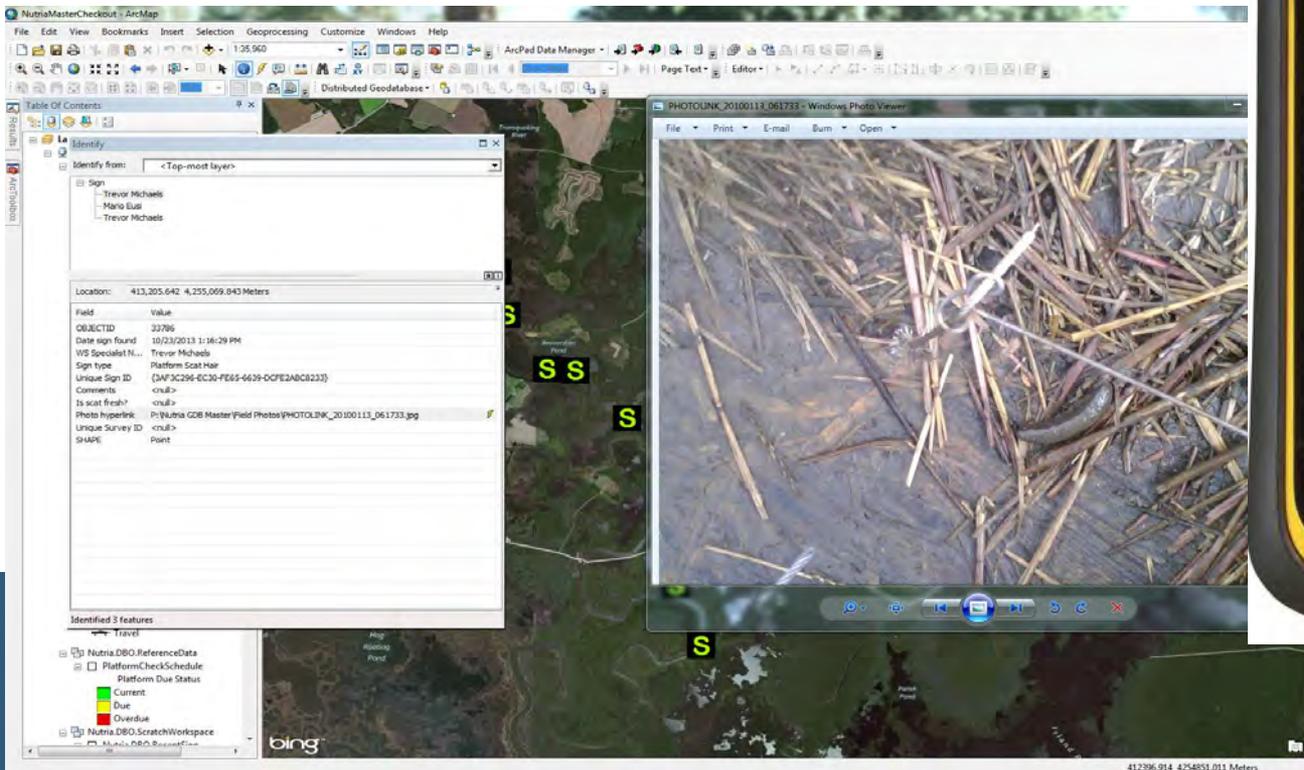


People
Agriculture
Wildlife



Importance of GIS

- Data collection
- Mapping
- Planning



Esri World Geocoder



Legend

Surveys

- Argo
- Ground
- Other
- Platform
- Shoreline
- Transit
- Trapline

758177.464, Y: 15237772.853 (Foot)





CONSERVATION OUTCOMES



06.11.2008 09:31







Thank You!

