

Wetland Habitat Restoration in the Pocomoke Watershed

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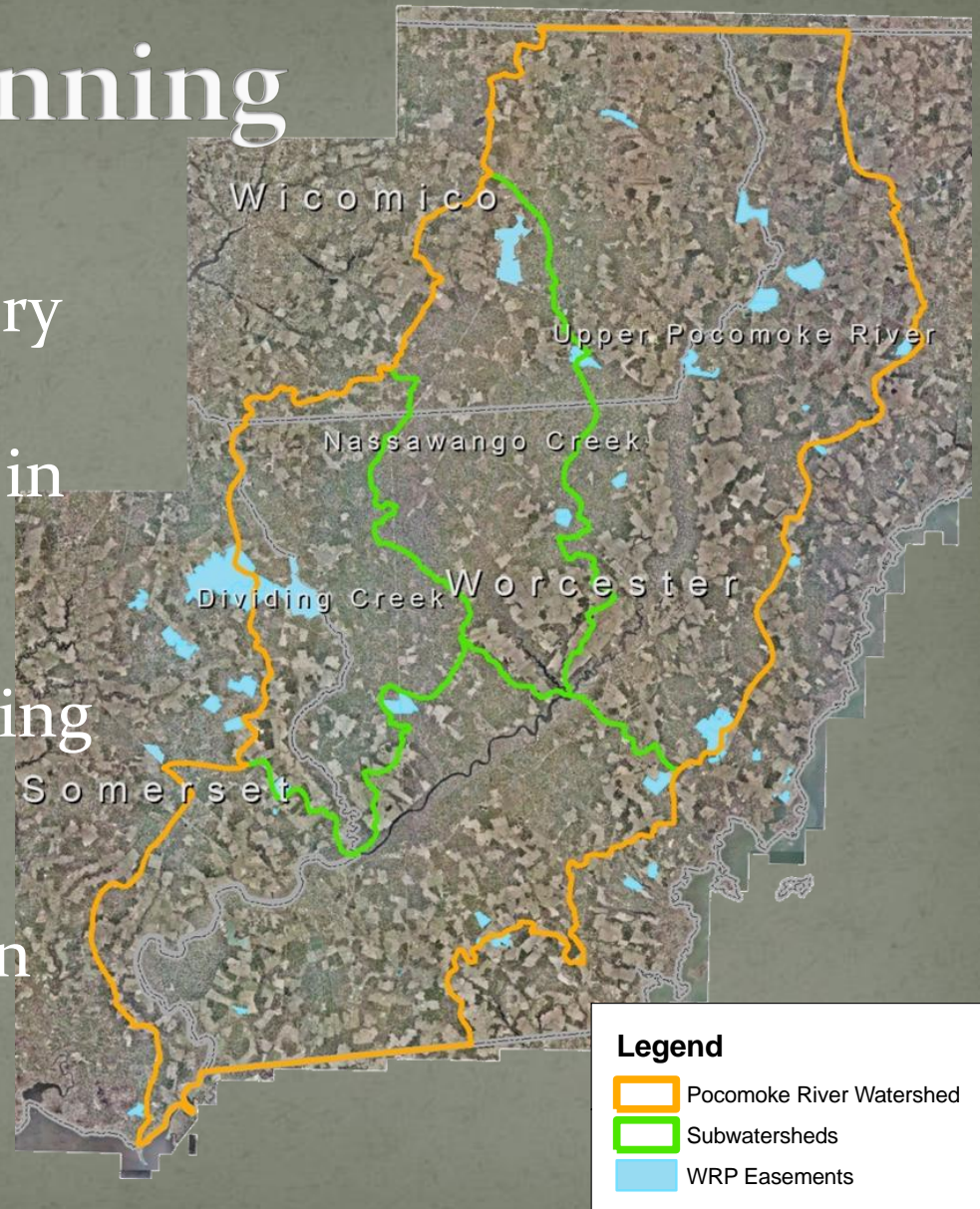
Habitat Goal Implementation Team Meeting
May 22, 2012

Working Together

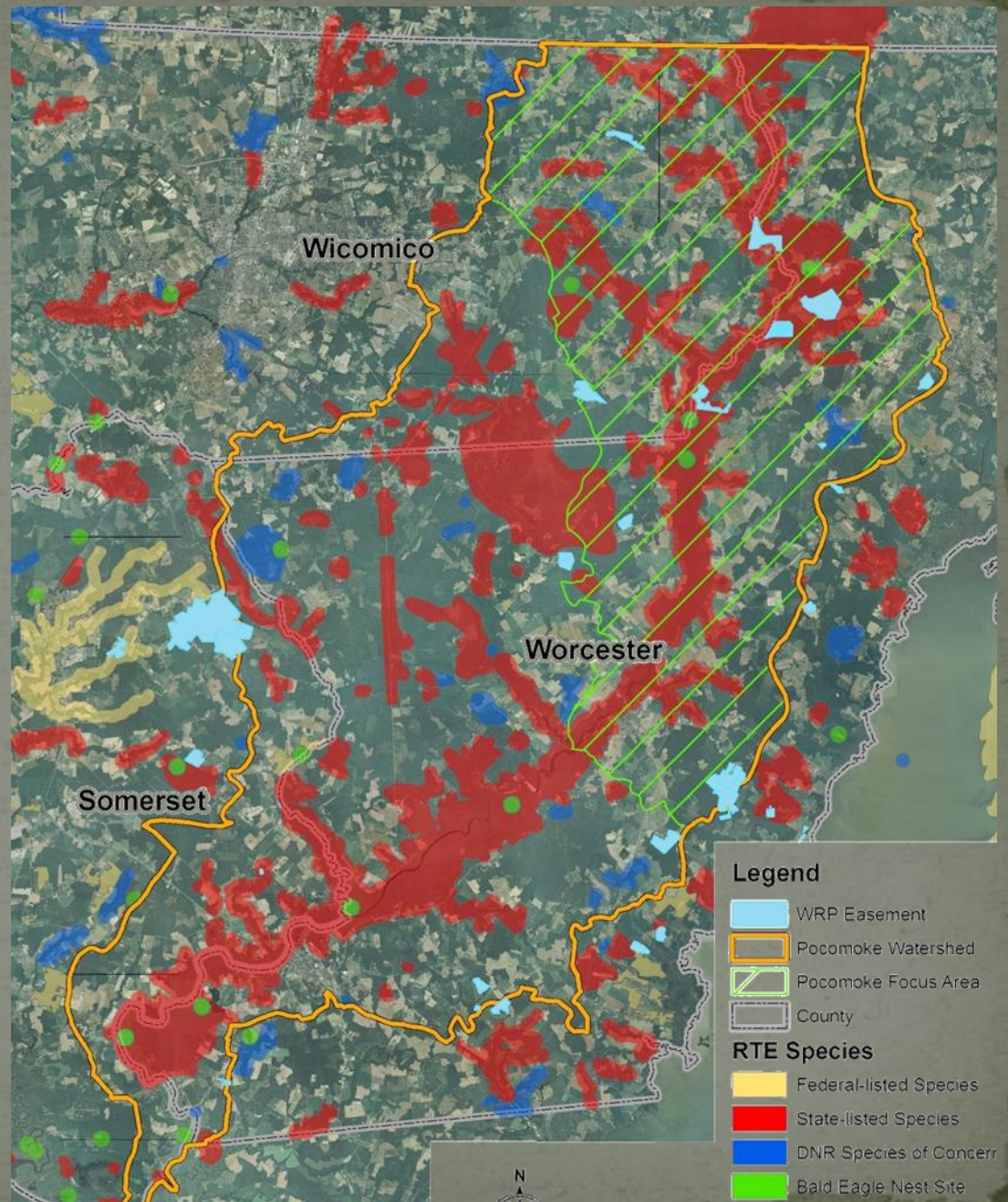
- USFWS-NRCS jointly funded Wetlands Reserve Program (WRP) biologist
- EPA/NRCS Inter-agency agreement for SAR Remote Sensing Project with FWS and ARS as partners
- Conservation Effects Assessment Project (CEAP) Partnership with ARS, USFS, USFWS, USGS, UMD and NRCS
- Wetlands Reserve Enhancement Program (WREP) Partnership with The Nature Conservancy in Nassawango and Dividing Creek watersheds
- Agreement with The Nature Conservancy to acquire boundary surveys for FY10 WRP enrollments
- Approximately 8,200 acres enrolled in WRP and 3,300 completed

Landscape Planning

- Pocomoke River Watershed for Migratory Birds
- Floodplain restoration in Upper Pocomoke
- Partner with TNC in Nassawango and Dividing Creeks
- Headwater Wetland Restoration in Manokin Drainage



Rare, Threatened and Endangered Species



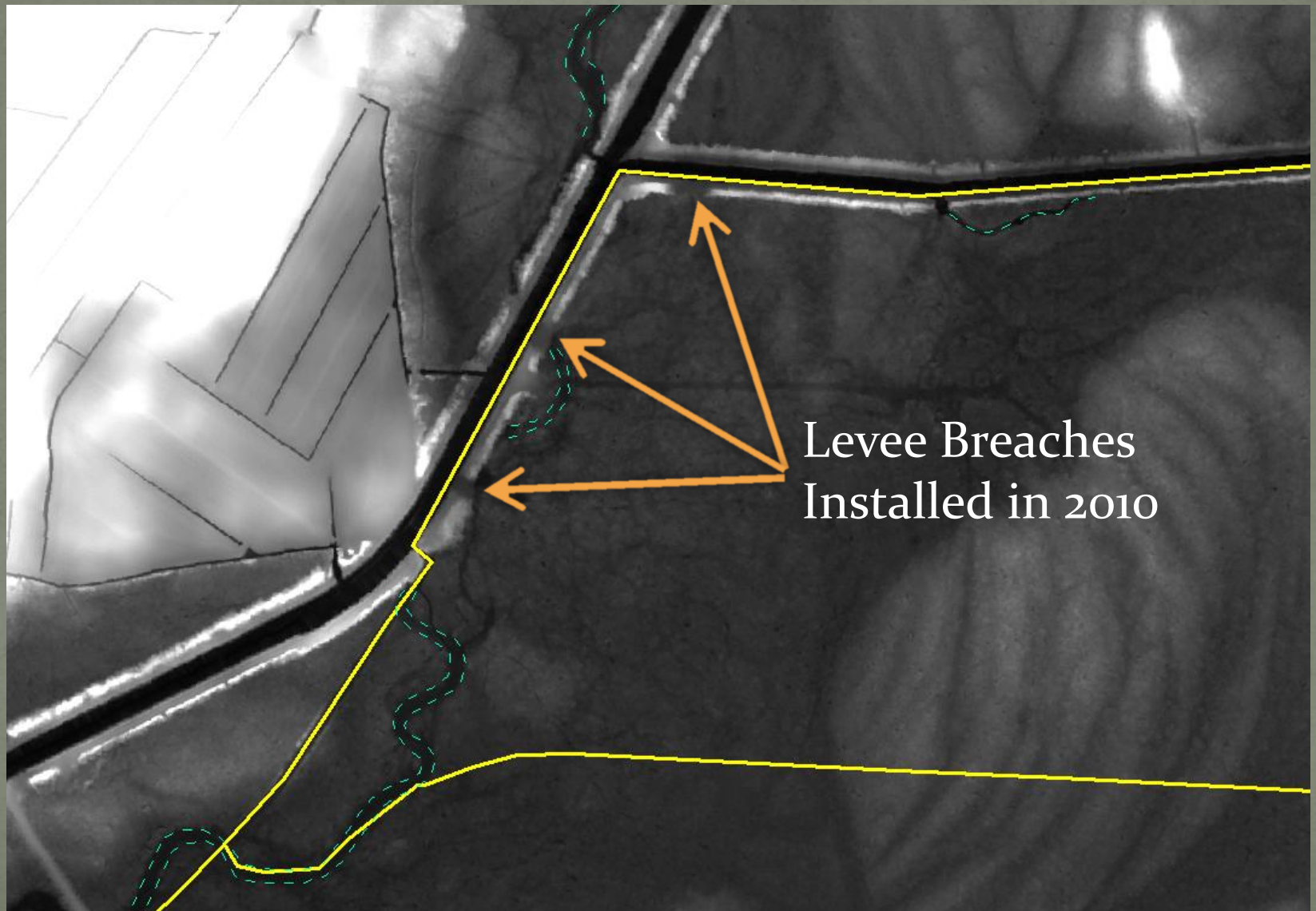
Floodplain Restoration



Spoil Levee



2011 1-meter Lidar

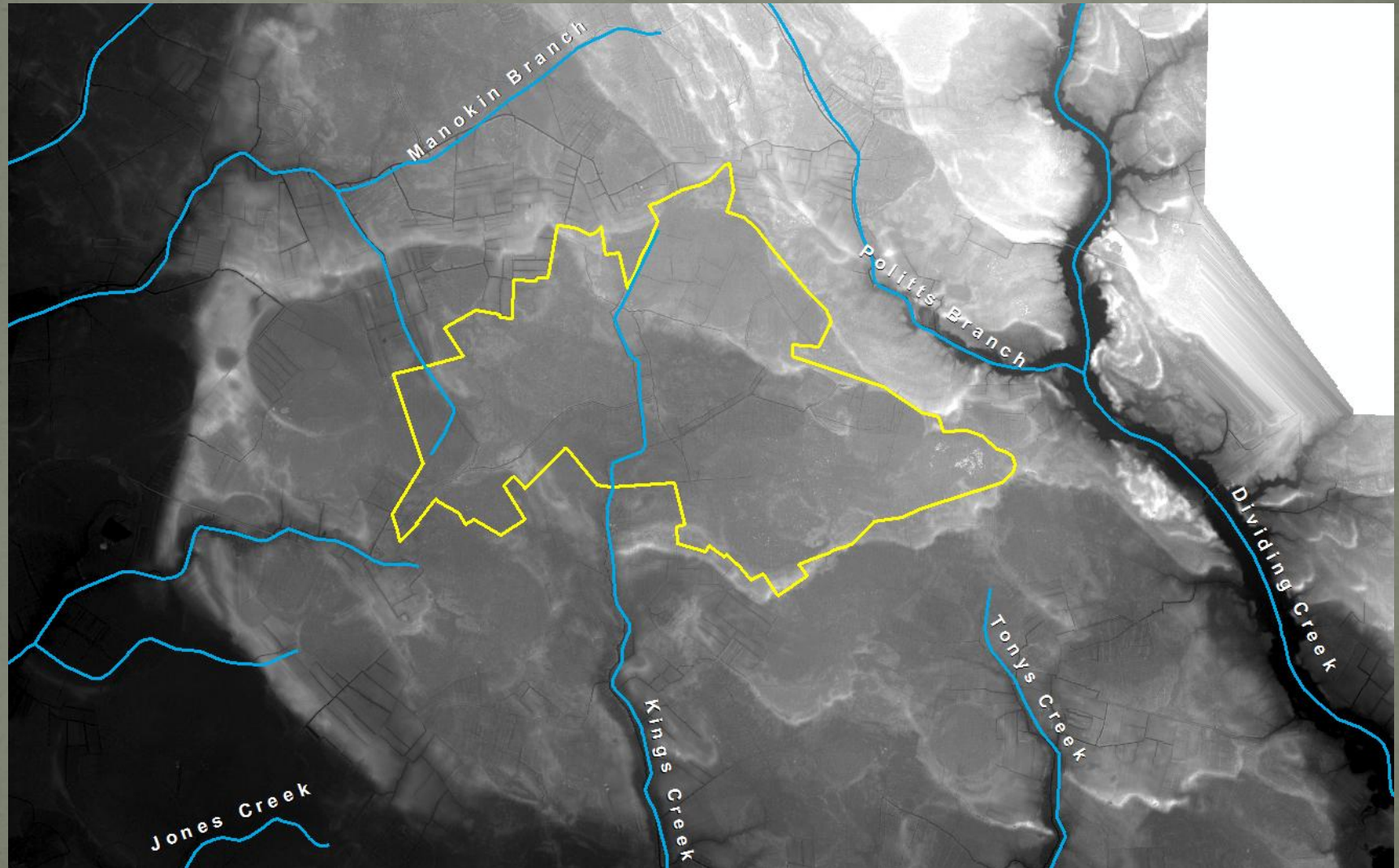




Poly Barriers for Hydrology Restoration



Headwater Wetland Restoration



Pre Hydrology Restoration



Post Hydrology Restoration



Evaluation

- Hydrology pre- and post-restoration via remote sensing with Synthetic Aperture Radar (SAR)
- Water level and soil moisture monitoring with data-loggers
- USFWS agreement with DC/MD Audubon for bird monitoring
- Organic carbon decomposition study with US Forest Service
- Floodplain nutrient and sediment with USGS?
- Hydrology modeling with HEC-RAS and new Lidar

