



Delmarva bays and wetland flats. Three images left to right: False color near-infrared aerial photograph, a fine spatial resolution DEM (1 m horizontal, 15 cm vertical), and a radar derived hydropattern. The bays, which are normally thought to be isolated, are instead connected by a series of historic hand-dug ditches which are evident on the DEM but not on the aerial photographs. Synthetic aperture radar can be used to monitor the hydropattern (spatial distribution of inundation and soil moisture over time). (Imagery provided by Megan Lang, USDA).

## **Wetland Mapping Consortium (WMC)** *NEW Fall 2008*

### **Guiding Principles and Action Items**

**Who are the parties involved?** The WMC is an interdisciplinary group of wetland scientists and managers interested in mapping and monitoring wetlands with remotely sensed images and/or using the resultant products to best manage wetland resources.

**Why is this group necessary?** The ability to map and monitor wetland extent and the fundamental drivers of wetland function is evolving rapidly. Enhanced communication amongst and between scientists and managers is necessary to improve the awareness of new remote sensing tools and techniques capable of solving many of our most intractable wetland management challenges. Enhanced communication will prevent duplication of funded research efforts and allow the leveraging of resources and expertise.

**Overall goal:** To improve the management of wetland resources through enhanced wetland mapping and monitoring, ultimately resulting in increased conservation of wetlands and the enhanced delivery of wetland ecosystem services via the evaluation of wetland properties and the dissemination of this information to natural resource managers. .

**Objective:** WMC fosters collaborations and disseminates data and findings for the purpose of enhanced wetland mapping and monitoring. Cooperative, synergistic, interdisciplinary research funding proposals and projects may be initiated that overcome limitations at a single institution or agency.

**Interested in Participating? Please contact us:**

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