

Supplemental Map Information (User Report) Outline

Project ID: R09Y14P11

Project Title or Area: Scalable North Carolina

Source Data (type, scale and date): 1 meter resolution National Agricultural Imagery Program (NAIP) Natural Color Imagery (2010)

Collateral Data (include any digital data used as collateral):
USGS National Hydrologic Dataset (NHD), 2010 National Geographic Society (NGS) 1:24,000 topographic map

Inventory Method (original mapping, map update, techniques used):
Wetlands were derived from water and river symbols on topographic maps. Wetlands created from swamp symbols were considered emergent and forested wetlands when compared to aerial imagery.

Classification (Cowardin wetlands, riparian, uplands, hydrogeomorphic, etc.):

Wetland Definition and Classification

The Service uses the Cowardin *et al.* (1979) definition of a wetland; **Classification of Wetlands and Deepwater Habitats of the United States** (FWS/OBS – 79/31 December 1979). This definition is the Federal standard for classifying and mapping wetlands as determined by the Federal Geographic Data Committee. It is a two-part definition as indicated below:

Wetlands are lands transitional between terrestrial and aquatic systems where the water table is usually at or near the surface or the land is covered by shallow water.

For purposes of this classification wetlands must have one or more of the following three attributes: 1) at least periodically, the land supports predominantly hydrophytes; 2) the substrate is predominantly undrained hydric soil; and 3) the substrate is nonsoil and is saturated with water or covered by shallow water at some time during the growing season of each year.

Links to on-line Classification system information:

<http://www.fws.gov/Wetlands/documents/gNSDI/ClassificationWetlandsDeepwaterHabitatsUS.pdf>

Data Limitations:

Scalable map products may be generated in certain parts of the country as initial or interim information. These interim products may include map information at different scales, classification level(s), or resolution. The goal is to develop maps that can be expanded or upgraded on demand. The production of interim products is at the discretion of the Region with an approved waiver provided by the Service's Data Steward for Water Resources and Wetlands. Regional specifications will dictate the procedures used to produce and distribute any interim

map information.

Because this product is considered preliminary or interim and is a compilation of existing data and aerial image interpretation rather than an image-based mapping process, it will not comply with Federal Geographic Data Committee standards. The spatial accuracy goal for scalable products has been established at 40 meters with 90 percent accuracy for ecological classification to the Cowardin class level (excluding Lacustrine systems) for mapping.

Description of wetland habitats:

- **Organize by Cowardin classification type:** A variety of riverine, palustrine and lacustrine wetland systems were identified. See digital data for all examples.
- **Wetland classification codes and corresponding (general) community type(s):**

Mapping Code	Cowardin description	Definition
Lacustrine Features		
L(h)	Lacustrine	Lakes, reservoirs deeper than 6 meters
Riverine Features		
R2UBH	Riverine, lower perennial, unconsolidated bottom	Permanently flowing , lower perennial riverine systems
R4SB(C)	Riverine, intermittent, streambed	Seasonally flowing riverine channels
R5UB(Fx, H)	Riverine, unknown perennial, unconsolidated bottom	River
Palustrine Features		
PUB(h)	Palustrine, unconsolidated bottom	Ponds, basins
PFO	Palustrine, forested, broad-leaved deciduous	Temporarily and seasonally flooded depressions and floodplains dominated by forested vegetation
PEM	Palustrine, emergent	Marsh, prairie, basin, depression, spring/seep, wet meadow

Description of other habitats:

- **Riparian** N/A
- **Uplands** N/A

List of wetland plant species with indicator status:

N/A

Regional specialized conventions:

N/A

Other discussion of mapping issues (image quality, water conditions, etc.):

N/A

References:

Data Collection Requirements and Procedures for Mapping Wetland, Deepwater and Related Habitats of the United States

U.S. Fish and Wildlife Service, Division of Habitat and Resource, Conservation Branch of Resource and Mapping Support, Arlington, VA 22203