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MAPPING CONVENTIONS
FOR
MYRTLE BEACH, S. C.

Field Trip: November 3-11, 1986

Personnel: Brad Ernst, Martel
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Partial 1:100 K's Covered: James Island NW; Georgetown NE, NW, SW,
Florence SE & SW.

Special Note: In some areas, particularly around the major
floodplains (eg. the Waccamaw River) and depressional areas,
photography indicated wetter conditions than were present in the
field.

Specifics:

1. Large swamps, which contain cypress and tupelo along with a variety of other species, will be labelled PF06. Semi-permanent sloughs and floodplains which contain purer stands of cypress and tupelo will be labelled PF01/2. Isolated pockets which contain pure cypress or pure tupelo will be labelled PF06.
2. a. Old rice plantations, which are now being flooded by man will be labelled PEMIKh. All wetlands contained within these areas will also have the Kh modifiers.
b. Those areas which have been restored to more natural conditions will be labelled with a fresh water tidal modifier along with the diked/impounded modifier (eg. PEMITH).
3. The vegetation, mostly broad-leaved evergreen shrubs, found within Carolina Bays will be labelled with the saturated (B) water regime (eg. PSS3B). In Carolina Bays where drainage due to ditching has occurred, the "d" modifier will be added to the saturated water regime (eg, PSS3Bd).

General:

1. Emergents

PEM1F- Smartweed (Polygonum punctatum), cattail (Typha latifolia), maidencane (Panicum hemitomon), water lily (Nymphaea odorata), yellow-eyed grass (Xyris iridifolia) and plume grass. Dark blue or white signature with clear boundaries.

PEM1B - Pitcher plant (Sarracenia spp.), yellow-eyed grass, common pipewort (Eriocaulon spp.), titi (Cyrilla racemiflora), sundew (Drosera spp.), peat moss (Sphagnum spp.).

PEM1A or C - St. Johns wort (Hypericum fasciculatum), yellow-eyed grass (Xyris iridifolia), woolgrass bulrush (Scirpus cyperimus), and various grasses (Panicum spp.). Dark blue signature with undefined boundaries characterizes seasonal (C). Light bluish white signature characterizes (A).

PEM1T - Giant cutgrass (Zizanopsis miliacea).

E2EMIN - Saltmarsh cordgrass (Spartina alterniflora). Dark bluish smooth signature.

E2EMIP - Black needlerush (Juncus roemarianus). Brown uneven signature.

2. Aquatic Beds

PAB4H - Duckweed (Lemna spp.) or Bladderwort (Utricularia spp.) or R2AB4H. Smooth pink signature.

3. Scrub Shrub

PSS1A or C - Black willow (Salix nigra), swamp dogwood (Cornus spp.), short red maple (Acer rubrum). Short white crowns; with blue understory for seasonal (C) signatures.

PSS3A or C - Bitter gallberry (Ilex glabra), fetterbush, (Lyonia spp.), wax myrtle (Myrica cerifera), small red bay (Persea borbonia), small sweet bay (Magnolia virginiana), small loblolly bay (Gordonia lasianthus). Short light red signature characterizes temporarily flooded (A) while short bright red with blue understory characterizes seasonal (C) signature.

PSS3B - (Lyonia spp.), (Ilex laurifolia), holly (Ilex coriacea), titi, pitcherplant (Sarracenia spp.), peat moss, red root, Virginia meadow beauty (Rhexia virginica). Short bright red signature.

PSS7A or C - Wax myrtle, pines (Pinus spp.) small red bay, (Smilax laurifolia). Short smooth red signature with individual short pink crowns intermixed.

E2SS3P - Saltbush (Baccharis halimifolia), wax myrtle (Myrica cerifera), Southern red cedar (Juniperus silicicola), marsh elder (Iva frutescens).

Forested

PF01A - River birch (Betula nigra), swamp chestnut oak (Quercus prinus), American Beech (Fagus grandifolia), water oak (Quercus nigra), Hickory (Carya spp.) Red maple (Acer rubrum), American elm (Ulmus americana), Carolina ash (Fraxinus caroliniana). Broad white, blue and red crowns.

PFO1B - Red maple, swamp tupelo (Nyssa sylvatica); with understory of peat moss and various ferns.

PFO1C - Sweetgum (Liquidambar styraciflua), swamp tupelo, water tupelo (Nyssa aquatica), Virginia willow (Itea virginica), laurel oak (Quercus laurifolia), willow oak (Quercus phellos), tree sparkleberry (Vaccinium arboreum), red maple and Eastern cottonwood (Populus deltoides). Broad white and blue crowns found in sloughs and swamps.

PFO1/2F - Pond cypress (Taxodium nutans), bald cypress (Taxodium distichum), swamp tupelo, water tupelo, red maple, water chestnut oak (Quercus montana), dahoon (Ilex cassine var. myrtifolia); with understory of: Carex, pennywort (Hydrocotyle spp.), sedges (Dichromena spp.), fetterbush, cattail, alder (Alnus spp.) or (Centella asiatica). Dark blue broad and tight crowns found within major sloughs and floodplains.

PFO6F - Either water tupelo, willow (Salix spp.), swamp tupelo, red maple; with understory of smartweed and rushes (Juncus spp.) or pure bald cypress in standing water. Tight dark blue crowns found in isolated pockets.

PFO4A,B or C - Longleaf pine (Pinus palustris), loblolly pine (Pinus taeda) or slash pine (Pinus caribaea) with understory of red bay, sweet bay, loblolly bay, (Smilax laurifolia), titi, blueberry (Vaccinium spp.), (Lilax glabra), tulip poplar and bald cypress. Temporarily flooded (A) is found adjacent to other wetlands, saturated (B) is found in pockets and seasonally flooded (C) is found in sloughs or swamps with a blue understory consisting of bald cypress. (B) has the typical tight pink crowns of pines with dark red understory while (A) has a lighter red understory.

PFO1/4 - Red maple, slash pine, pond pine and water oak. Broad white or blue crowns with tight pink crowns intermixed.

PFO2/4 - Tight blue crowns intermixed with pink crowns.

PFO3 - Red bay, sweetbay, loblolly bay and wax myrtle. Smooth bright red signature.

PFO7 - Red bay, sweet bay, loblolly bay, wax myrtle, or pines. Smooth red signature with tight pink crowns intermixed.

E2FO7P - Pines intermixed with cabbage palm (Sabal palmetto).