Dyersburg 3W

MAP REPORT FORM

Scale 1:100,000

Map Name: Dyersburg State(s): Tennessee, Missouri

MAP PREPARATION

Photography Used:

Emulsion	Scale	Date	Percent Coverage
1. CIR	1:130,000	1974	Primary Data Source
2. B&W	1:80,000	1974, 1975	Secondary Data Source
3.			

Field Check Dates:

1. September 11-14, 1978
2.
3.

Contractor(s) for Photo Interpretation:

1. Martel Labs
2.
3.

Collateral Data Used:

1. USGS topographic quad sheets (1:24,000 and/or 1:62,500)
2. SCS Soil Surveys
3.
4.
5.
6.
7.
8.

GEOGRAPHY

General Location: 36°00' - 36°30' N. Lat., 89° - 90° W. Long.
Extreme NW Tennessee, extreme SE Missouri; straddles Mississippi R.;
75-100 miles NNE of Memphis, Tennessee

Bailey's Ecoregion Classification and Description:

1. 2312L - Humid Temperate Domain, Subtropical Division, Outer Coastal Plain Forest Province, Southern Flood Plain Forest Section, Lowland

2. 2215L - Humid Temperate Domain, Hot Continental Division, Eastern Deciduous Forest Province, Oak-Hickory Forest Section, Lowland

3.

4.

Hammond's Land Surface Form and Physical Subdivision:

1. (1-4)A1 - Gulf Atlantic Division, Lower Mississippi Alluvial Plain Subdivision, Flat Plains Class (>80% area gently sloping, 0-100 ft. relief)

2. (1-2)B2b - Gulf Atlantic Division, Eastern Gulf-Atlantic Rolling Plain Subdivision, Irregular Plains (50-80% area gently sloping, 100-300 ft. relief, 50-75% of gentle slope in lowland)

3.

4.

WETLAND COMMUNITIES

MAP SYMBOLS	LOCAL NAME	DOMINANT VEGATATION	WATER REGIME
R2OWH	River, Stream	None	Permanent
R2OWHx	Canal, Ditch	None	Permanent
R2FL	River Flat	None	Unknown
R2BBA	River Bar	None	Temporary
L1OWH	Oxbow Lake	None	Permanent
L1OWHh	Reservoir	None	Permanent
L1OWKh	Catfish Farms & Other types of reservoirs	None	Artificial
L2OWF	Oxbow Lake	None	Semi-permanent
POWH	Pond	None	Permanent
POWF	Pond	None	Semi-permanent
Variations:			
POWFh	Pond-Impounded	None	Semi-permanent
POWHh	Pond-Impounded	None	Permanent
POWKh	Catfish Farms	None	Artificial
PEMA	Fresh Meadow	Blue Hyssop (Bacopa caroliniana) Buttonweed (Diodia virginiana) Cockleburs (Xanthium spp.) Creeping Love Grass (Eragrostis hypnoides) Dock (Rumex spp.) Horned Rushes (Rynchospora spp.) Millets (Echinochloa spp.) Panic Grasses (Panicum spp.) Pennyworts (Hydrocotyle spp.) Rushes (Juncus spp.) Sedges (Cyperaceae) Smartweeds (Polygonum spp.)	Temporary
PEMF	Marsh	Bladderworts (Utricularia spp.) Alligatorweed (Alternanthera) philoxeroides) Arrowheads (Sagittaria spp.) Bullrushes (Scirpus spp.) Cattails (Typha spp.) Lizard's Tail (Saururus cernuus) Maidencane (Panicum hematomon) Millets (Echinochloa spp.) Pickerelweed (Pontedaria cordata)	Semi-permanent

WETLAND COMMUNITIES

MAP SYMBOLS	LOCAL NAME	DOMINANT VEGATATION	WATER REGIME
		Pondweeds (Potamogeton spp.) Rice cut grass (Leersia oryzoides) Rushes (Juncus spp.) Sedges (Cyperaceae) Smartweeds (Polyganum spp.)	
PSS1A	Cutover Bottom-land	Species similar to PFO1A	Temporary
PSS1F	Shrub Swamp	Alder (Alnus serrulata) Buttonbush (Cephalanthus occidentalis) Dogwood (Cornus drummondii) Elderberry (Sambucus canadensis) Grapes (Vitus spp.) Hawthorns (Crataegus spp.) Poison Ivy (Rhus toxicodendron) Southern Dewberry (Rubus trivialis) Sugarberry (Celtis laevigata) Swamp Privet (Forestiera acuminata) Virginia Willow (Itea virginica) Willows (Salix spp.)	Semi-permanent
PSS2F	Shrub Cypress Swamp	Bald Cypress (Taxodium distichum)	Semi-permanent
PFO1A	Bottomland Hardwoods	American Beach (Fagus grandifolia) Ashes (Fraxinus spp.) Cottonwoods (Populus spp.) Eastern Hophornbeam (Ostrya virginiana) Elms (Ulmus spp.) Hickories (Carya spp.) Ironwood, Blue Beech (Carpinus caroliniana) Locusts (Gleditsia spp.) Maples (Acer spp.) Oaks (Quercus spp.) Persimmon (Diospyros virginiana) River Birch (Betula nigra) Snowbell (Styrax americana) Sweet Gum (Liquidamber styraciflua)	Temporary

WETLAND COMMUNITIES

MAP SYMBOLS	LOCAL NAME	DOMINANT VEGATATION	WATER REGIME
		Sycamore (*Platanus occidentalis*) Tulip Tree (*Liriodendron tulipifera*) Water Elm (*Planera aquatica*)	
PF01F	Swamp, Slough	Bitter Pecan, Water Hickory (*Carya aquatica*) Drummonds Red Maple (*Acer rubrum* var. *drummondii*) Green Ash (*Fraxinus pennsylvanica*) Nuttall's Oak (*Quercus nuttallii*) Overcup Oak (*Quercus lyrata*) Pumpkin Ash (*Fraxinus profunda*) Red Maple (*Acer rubrum*) Swamp Black Gum (*Nyssa sylvatica* var. *biflora*) Swamp Cottonwood (*Populus heterophylla*) Swamp Red Oak (*Quercus shummardii*) Swamp White Oak (*Quercus bicolor*) Water Elm (*Planera aquatica*) Water Locust (*Gleditsia aquatica*) Water Tupelo (*Nyssa aquatica*)	Semi-permanent
PF02F	Cypress Swamp	Bald Cypress (*Taxodium distichum*)	Semi-permanent
PF06F	Swamp, Slough	As for PF01F and/or PF02F	Semi-permanent

SPECIAL MAPPING PROBLEMS

PROBLEM	RESOLUTION
1. The practice of dewatering commercial catfish ponds.	1. If containing water on photo - classified as open water. If devoid of water - classified as upland.
2. Inability to define and consistently interpret farmed wetlands.	2. All farmland classified as upland.
3. Inability to consistently apply subclasses.	3. Subclasses used only when distinguishable.
4. Inability to consistently identify intermittent streams.	4. Intermittent streams not delineated.
5. Photographic limitations with respect to minimum mapping unit.	5. Minimum mapping unit limited to 3-5 acres on 1:130,000 color infrared photography and 1-3 acres on 1:80,000 black and white photography.
6. Inability to pinpoint water regimes, often due to flooded conditions.	6. Used only three water regimes with: a) Permanent indicating permanently flooded or intermittently exposed wetland. b) Semi-permanent indicating semi-permanently flooded or seasonally flooded wetland. c) Temporary indicating temporarily or intermittently flooded wetland.