MAP REPORT FORM

Scale 1:100,000

Map Name: Lake Charles State(s): Louisiana, Texas

MAP PREPARATION

Photography Used:

Emulsion	Scale	Date	Percent Coverage
1. CIR	1:120,000	March 1972	100%
2.			
3.			

Field Check Dates:

1. Fall 1977
2.
3.

Contractor(s) for Photo Interpretation:

1. Martel Labs
2.
3.

Collateral Data Used:

1. U.S.G.S. Topographic Maps (7.5' and 15' series)
2. "Vegetation, water and soil characteristics of the Louisiana Coastal Region" R.H. Chabreck
3.
4.
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8.

GEOGRAPHY

General Location: 30°00' - 30°30' N. latitude;
Southwest Central Louisiana; extreme western portion in Texas.

Encompasses portions of Sabine and Calcasieu Rivers and the town of Lake Charles.

Bailey's Ecoregion Classification and Description:

1. 2311L - Humid Temperate Domain, Subtropical Division, Outer Coastal Plain Forest Province, Beech-Sweetgum-Magnolia-Pine-Oak Forest Section, Lowland.

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Hammond's Land Surface Form and Physical Subdivision:

1. (1-5) B2b - Gulf Atlantic Division, Western Gulf - Atlantic Rolling Plain Subdivision, Irregular Plains Class (50-80% area gently rolling, 100-300 ft. relief, 50-75% of gentle slope in lowland).
2. (1-6) A1 - Gulf Atlantic Division, Western Gulf Atlantic Coastal Flats Subdivision, Flat Plains Class (>80% of area gently sloping, 0-100 ft. relief).

3.

4.

WETLAND COMMUNITIES

MAP SYMBOLS	LOCAL NAME	DOMINANT VEGATATION	WATER REGIME
E10 (W)	Brackish Water Estuary (Excavated)	None	Subtidal
E20L	Reef	None	Subtidal
E45A	Cypress Swamp	Cypress (Taxodium distichum)	Temporary
E60A	Salt Meadow, Brackish Marsh, Intermediate Marsh	Cordgrasses (Spartina spp.) Saltgrass (Distichlis spicata) Bulrushes (Scirpus spp.) Bulltongue (Sagittaria falcata) Paspalums (Paspalum spp.) Black Needle Rush (Juncus roemerianus) Common Reed (Phragmites communis) Saltwort (Batis maritima) Flat Sedge (Cyperus odoratus) Walter's Millet (Echinochloa walteri) Alligatorweed (Alternanthera philoxeroides) Spikerushes (Eleocharis spp.) Switchgrass (Panicum virgatum) Coffeeweed (Sesbania exaltata) Pink Hybiscus (Kosteletskya virginica)	Temporary
E64A	Salt Meadow, Brackish Marsh, Intermediate Marsh with interspersed open water	Emergents (See E60A) and ≥30% open water	Temporary

WETLAND COMMUNITIES

MAP SYMBOLS	LOCAL NAME	DOMINANT VEGATATION	WATER REGIME
E80A	Flat	None	Temporary
L50X	Deep, Limnetic Lake, Reservoir-Impounded	None	Permanent
R40	Deep River	None	Permanent
R40W	Deep Ditch, Canal	None	Permanent
R50	Shallow River	None	Permanent
R50W	Shallow Ditch, Canal	None	Permanent
PY	Rice Fields	Cultivated Rice	Artificial
P10	Shallow Pond	None	Permanent
P10W	Shallow Impoundment	None	Permanent
P50E	Fresh Meadow	Pennyworts (Hydrocotyl spp.) Common Rush (Juncus effusus) Royal Fern (Osmunda regalis) Common Reed (Phragmites communis) Smartweeds (Polyganum spp.) Switchgrass (Panicum virgatum) Spikerushes (Eleocharis spp.) Sedges (Cyperus spp., Carex spp.) Rattlebox (Daubentonia texana) Bur-marigold (Bidens laevis)	Temporary

WETLAND COMMUNITIES

MAP SYMBOLS	LOCAL NAME	DOMINANT VEGATATION	WATER REGIME
P50G	Shallow Fresh Marsh	Walter's Millet (Echinochloa walteri) Common Reed (Phragmites communis) Sedges (Cyperus spp., Carex spp.) Maidencane (Panicum hemitomon) Smartweeds (Polyganum spp.) Common Rush (Juncus effusus) Pennyworts (Hydrocotyl spp.) Royal Fern (Osmunda regalis) Rattlebox (Daubentonia texana) Bur-marigold (Bidens laevis)	Seasonal
P50H	Deep Fresh Marsh	Alligatorweed (Alternanthera philoxeroides) Common Rush (Juncus effusus) Cattail (Typha spp.) Common Reed (Phragmites communis) Pickeralweed (Pontedaria cordata) Bulltongue (Sagittaria falcata) Delta Potato (Sagittaria lancifolia) Lizard's Tail (Saururus cernuus)	Semi-Permanent
P75H Variation: P75I	Cypress Swamp Cypress Swamp	Cypress (Taxodium distichum) Cypress (Taxodium distichum)	Semi-permanent Permanent - Intermittently Exposed
P76E (G)	Bottomland Hardwoods, Overwash Area, Swamp	Hackberry (Celtis laevigata) Blackgum (Nyssa sylvatica) Water Tupelo (Nyssa aquatica) Boxelder (Acer negundo) Ashes (Fraxinus spp.) Water Locust (Gleditsia aquatica)	Temporary (Seasonal)

WETLAND COMMUNITIES

MAP SYMBOLS	LOCAL NAME	DOMINANT VEGATATION	WATER REGIME
		Sycamore (*Platanus occidentalis*) Sweetgum (*Liquidamber styraciflua*) American Elm (*Ulmus americanus*) Oaks (*Quercus* spp.) Red Maple (*Acer rubrum*) Persimmon (*Diospyros virginiana*) Cottonwoods (*Populus* spp.) Hickories (*Carya* spp.) Waterelm (*Planera aquatica*)	

SPECIAL MAPPING PROBLEMS

PROBLEM	RESOLUTION
1. Estuarine interspersions of emergents and open water too intricate to separately map.	1. Used unique alpha-numeric (E64)
2. Rice field identification, complicated by rotation with soybeans, corn, cotton, etc.	2. Attempt was made to delineate rice fields with man-made terraces in addition to wet fields without terraces that were nearly level and would support rice cultivation.
3. Estuarine Limit.	3. Estuarine system was extended through areas of tidal influence with a fresh/brackish demarcation later added to map products.