

## **GULF COAST CHENIER PLAIN FRESH AND OLIGOHALINE TIDAL MARSH**

**Nature Serve ID:** CES203.467

**Geology:** This system occupies recent alluvial deposits.

**Landform:** Along bay margins and outlets of coastal rivers where freshwater inflow is sufficient to drive marsh composition. Sites may be interspersed with areas of open water.

**Soils:** Saturated, very deep, mineral soils, often with high organic content, at least at the surface. Ecoclasses (from Ecological Site Descriptions) include various Fresh and Intermediate Marsh types.

**Descriptions:** This herbaceous system occupies coastal sites with mucky soils and salinities less than 4 ppt. Dominants are graminoids, including *Panicum hemitomon* (maidencane), *Paspalum vaginatum* (seashore paspalum), *Zizaniopsis miliacea* (marshmillet), *Typha latifolia* (common cattail), *Spartina patens* (marshhay cordgrass), *Schoenoplectus* spp. (bulrushes), and *Phragmites australis* (common reed). Other wetland species such as *Sagittaria* spp. (arrowheads), *Ludwigia* spp. (water-primroses), and *Vigna luteola* (cow pea) may also be present. Some occurrences may have some woody cover with species such as *Iva frutescens* (bigleaf sumpweed) or *Baccharis halimifolia* (baccharis).

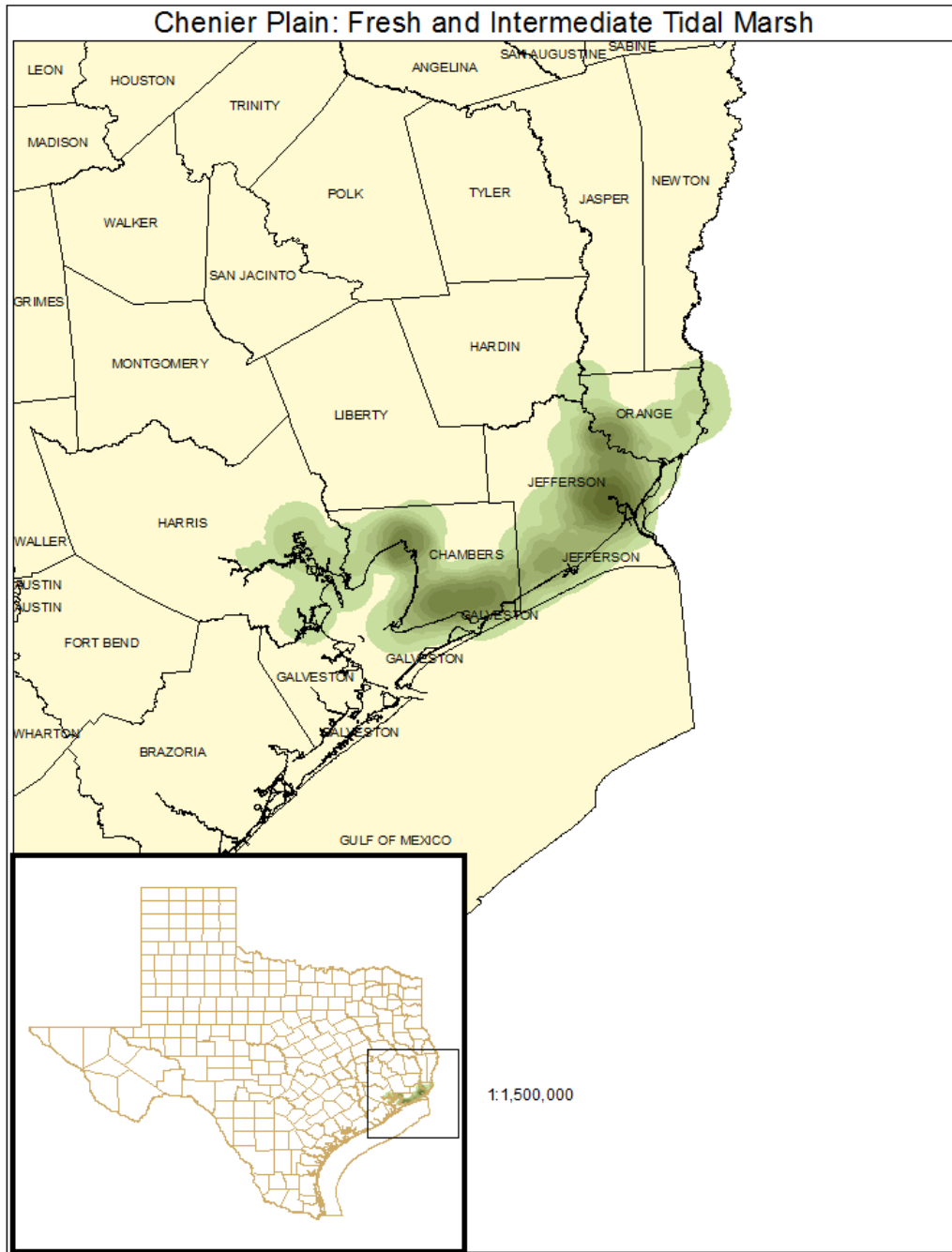
**ECOLOGICAL MAPPING SYSTEMS:**

**CHENIER PLAIN: FRESH AND INTERMEDIATE TIDAL MARSH**

**Mapping System ID:** 5807

**EMS Description:** As described for system, where woody cover is minor.

**Distribution Map:**



**Example:**



**Public Land Occurrence:**

Anahuac National Wildlife Refuge: US Fish and Wildlife Service

J. D. Murphree Wildlife Management Area: Texas Parks & Wildlife Department

Lower Neches Wildlife Management Area: Texas Parks & Wildlife Department

McFaddin National Wildlife Refuge: US Fish and Wildlife Service

Moody National Wildlife Refuge: US Fish and Wildlife Service

Sea Rim State Park: Texas Parks & Wildlife Department

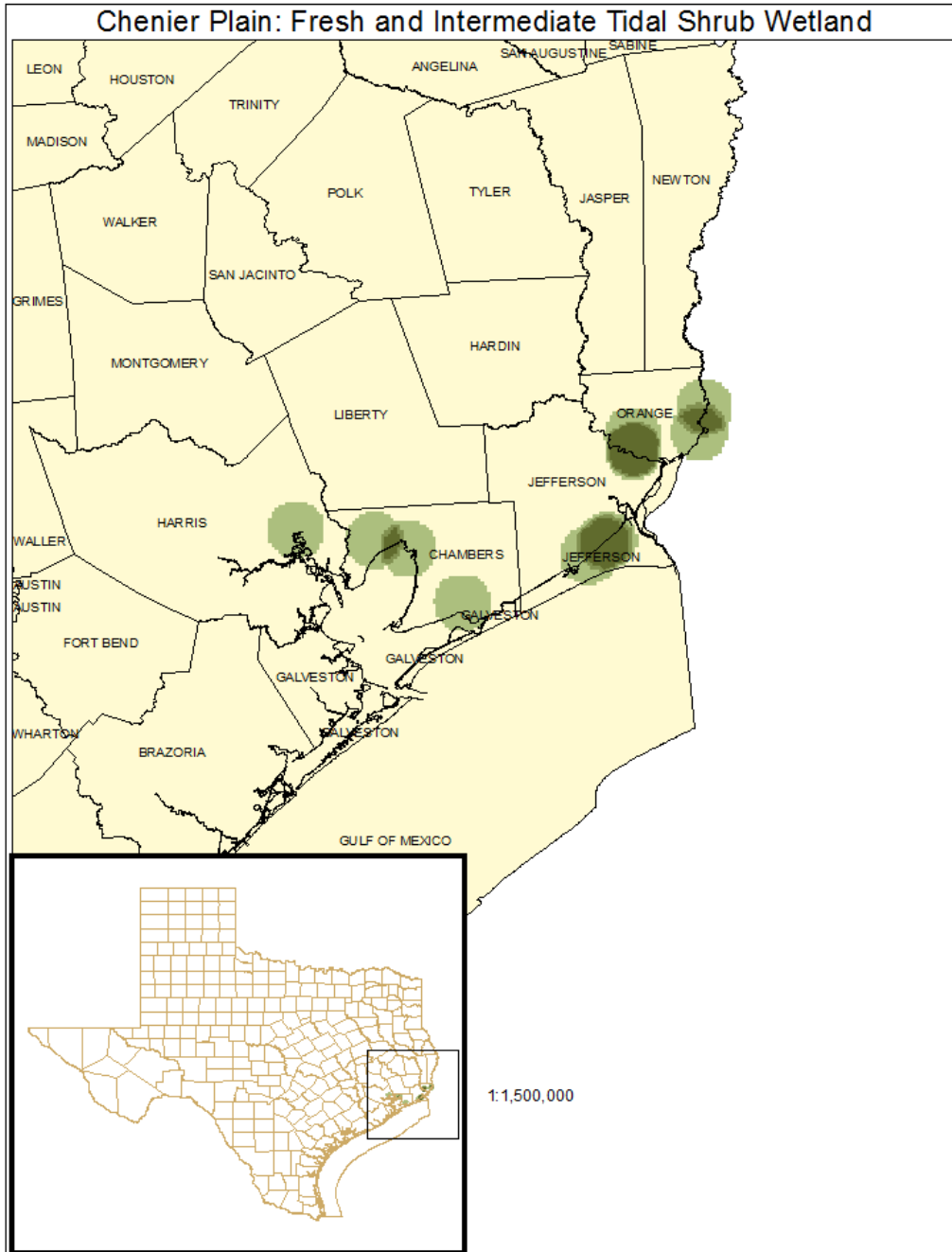
Texas Point National Wildlife Refuge: US Fish and Wildlife Service

## CHENIER PLAIN: FRESH AND INTERMEDIATE TIDAL SHRUB WETLAND

**Mapping System ID:** 5806

**EMS Description:** Sites with significant cover of woody species such as *Iva frutescens* (bigleaf sumpweed) and/or *Baccharis halimifolia* (baccharis). *Arundo donax* (giant reed) dominated sites may also be mapped as this type.

**Distribution Map:**



**Example:**



**Public Land Occurrence:**

McFaddin National Wildlife Refuge: US Fish and Wildlife Service