

## **2013 Plaquemine Brule Bayou Vegetation Control Plan**

### **LDWF, Inland Fisheries**

Plaquemine Brule Bayou is a natural bayou within the Mermentau River Basin which includes dozens of small tributaries that total more than 12 miles in length. It is a main tributary/bayou that runs off of the Mermentau River. This bayou is generally turbid year round due to rice cultivation and natural run-off. This system is relatively shallow and submersed vegetation is seldom a problem. However, floating vegetation such as hyacinth, water lettuce, and common salvinia can choke smaller tributaries along the bayou. LDWF district 6 crews spend very little time spraying this bayou. Complaints are addressed as they are received.

### **Water body Information**

***Waterbody Type:***

Natural bayou just south of I-10 near Estherwood, La.

***Parish/Location:***

Acadia Parish, LA

***Size (surface acres):***

Approximately 12 miles long and 200 feet wide

***Water shed:***

Lies within the Mermentau River Basin.

Watershed Ratio: Unknown

***Ownership:***

State of Louisiana owns the water bottoms and the Louisiana Department of Wildlife & Fisheries manages the fish and wildlife resources.

***Pool stage:***

Average Depth – 4ft.

***Border waters:***

Mermentau River

## **Past Control Measures:**

Typically, invasive aquatic vegetation is not a problem in the lake proper. Contact herbicides are primarily used to control infested areas when needed. No herbicides were applied in 2012.

## **Aquatic Vegetation Status:**

### **Biomass:**

Common Salvinia (60 acres)  
Water Hyacinth (90 acres)  
Water Lettuce (20 acres)

## **Limitations:**

- Due to irrigation practices, water levels are often low, making navigation dangerous.

## **Recommendations:**

Continue to control emergent and floating vegetation with contact herbicides (diquat at 0.75 gallons/acre with a non-ionic surfactant at 0.25 gallons/acre) as needed.

Plaquemine Brule Bayou Map

