

# **LOUISIANA DEPARTMENT OF WILDLIFE AND FISHERIES**



**OFFICE OF FISHERIES  
INLAND FISHERIES SECTION**

**2018 AQUATIC VEGETATION MANAGEMENT  
PLAN**

**OLD RIVER RACOURCCI**

1. Waterbody type – active Mississippi River oxbow with ephemeral connection
2. No control structure.
3. Water level range (MSL) – Fluctuates with the Mississippi River  
High – 63.39 feet on May 18, 2011.  
Low – 2.89 feet on November 14, 1895.  
Gauge: Mississippi River at Red River Landing, LA
4. Surface area – 4,000 acres
5. Average depth – 40 ft
6. Waterbody Board or Lake Commission – The Old River Lake Committee was formed and disbanded in 2006. Fish and wildlife resources are now managed by the Louisiana Department of Wildlife and Fisheries.  
Primary contact information – Brian Heimann – District 7 Inland Fisheries Manager  
(225) 765 - 2337

What significant stakeholders use the lake?

Commercial and recreational fishermen along with hunters and camp owners.

What are their needs and concerns? What is the history of aquatic vegetation complaints?

Vegetation complaints on Old River have been very minimal. There are no records of spray data at Old River. It is a natural oxbow lake of the Mississippi River and they are connected via “The Narrows” when the Mississippi River is at or above 17 feet at Baton Rouge. This bayou floods Old River periodically, making the water very turbid. Consequently, submerged vegetation is very sparse in Old River. Floating vegetation is limited due to constant wave action and the lack of protected coves.

Have there been any controversial issues on the lake?

None reported.

### **Aquatic Vegetation Status:**

Problematic Species (Predictions for 2018):

Water hyacinth (*Eichhornia crassipes*) - <5 acres

Common salvinia (*Salvinia minima*) - <5 acres

Duckweed (*Lemna spp.*) - <5 acres

Beneficial Species (Predictions for 2018):

Coontail (*Ceratophyllum demersum*) – <10 acres

### **Limitations:**

The lake becomes very turbid during periods of high water when it is connected to the Mississippi River.

## Past Control Measures:

### *Biological:*

None

### *Chemical:*

There are no records of herbicide applications being made at Old River.

### *Physical:*

Old River routinely floods from the Mississippi River which fills the lake with turbid water for prolonged periods of time, effectively preventing the establishment of submersed plant species.

## Recommendations:

Old River will be monitored for aquatic vegetation status during the growing season. If any aquatic vegetation complaints are filed, they will be handled immediately.

If nuisance species become problematic, they will be controlled as follows:

Water hyacinth will be controlled with 2,4-D (0.5 gal/acre) with a 90:10 non-ionic surfactant (1 pint/acre).

Common salvinia will be controlled from April 1 – October 31 with a mixture of glyphosate (0.75 gal/acre) and diquat (0.25 gal/acre) with Turbulence (or approved equivalent, 0.25 gal/acre) surfactant. From November 1 – March 31 common salvinia will be controlled with diquat (0.75 gal/acre) with a 90:10 non-ionic surfactant (0.25 gal/acre).

Duckweed (*Lemna spp.*) will be controlled with diquat (1.0 gal/acre) with a 90:10 non-ionic surfactant (0.25 gal/acre).

## Typemap:

No vegetation type-maps have been generated for Old River.

**Map of Old River**

