

LOUISIANA DEPARTMENT OF WILDLIFE AND FISHERIES



**OFFICE OF FISHERIES
INLAND FISHERIES SECTION**

2024 AQUATIC VEGETATION CONTROL PLAN

OLD RIVER RACCOURCI

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
<https://water.weather.gov/ahps2/hydrograph.php?wfo=lix&gage=rrll1>
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 efforts 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, submersed 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 2024):

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

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

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

Beneficial Species (Predictions for 2024):

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 according to the LDWF Aquatic Herbicide Application Procedures:

Plant Species	Herbicide	Surfactant
<i>Salvinia</i> spp. Alternative 1 Common/Giant Salvinia (April 1 to October 31)	Glyphosate (0.75 gal/acre) Diquat (0.25 gal/acre)	Turbulence (or approved equivalent, 0.25 gal/acre)
<i>Salvinia</i> spp. Alternative 2 Common/Giant Salvinia (April 1 to October 31)	Glyphosate (0.75 gal/acre) Flumioxazin (2 oz./acre)	Turbulence (or approved equivalent, 0.25 gal/acre)
<i>Salvinia</i> spp. Alternative 3 Common/Giant Salvinia (April 1 to October 31)	MSM (1 oz./acre) Flumioxazin (1 oz./acre)	Turbulence (or approved equivalent, 0.25 gal/acre)
<i>Salvinia</i> spp. Alternative 4 Common/Giant Salvinia (November 1 to March 31)	Diquat (0.75 gal/acre)	Nonionic surfactant (0.25 gal/acre)
<i>Salvinia</i> spp. Alternative 5 Common/Giant Salvinia (November 1 to March 31)	Flumioxazin (12 oz./acre)	Turbulence (or approved equivalent, 0.25 gal/acre)
Water Hyacinth	2, 4-D (0.5 gal/acre)	Nonionic surfactant (1 pint/acre)
Water Hyacinth in waiver areas (March 15 to September 15)	Glyphosate (0.75 gal/acre)	Nonionic surfactant (0.25 gal/acre)
Alligator Weed/Giant Cut Grass (undeveloped areas)	Imazapyr (0.5 gal/acre)	Turbulence (or approved equivalent, 0.25 gal/acre)
Alligator Weed/Giant Cut Grass (developed areas)	Imazamox (0.5 gal/acre)	Turbulence (or approved equivalent, 0.25 gal/acre)
American Lotus	2, 4-D (0.5 gal/acre)	Nonionic surfactant (1 pint/acre)
American Lotus in waiver areas (March 15 to September 15)	Glyphosate (0.5 gal/acre)	Nonionic surfactant (0.25 gal/acre)
American Lotus in waiver areas with potable water intakes (March 15 to September 15)	Triclopyr (0.5gal/acre)	Turbulence (or approved equivalent, 0.25 gal/acre)
Duckweed	Diquat (1.0 gal/acre) or Flumioxazin (8 oz./acre)	Nonionic surfactant (0.25 gal/acre) or Turbulence (or approved equivalent, 0.25 gal/acre)
Cuban Bulrush (sedge)	2, 4-D (0.5 gal/acre)	Nonionic surfactant (1 pint/acre)
Cuban Bulrush (sedge) in waiver areas (March 15 to September 15)	Glyphosate (0.75 gal/acre)	Nonionic surfactant (0.25 gal/acre)
Water Lettuce	Diquat (1.0 gal/acre) or Flumioxazin (6 oz./acre)	Nonionic surfactant (0.25 gal/acre) or Turbulence (or approved equivalent, 0.25 gal/acre)

Typemap:

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

Map of Old River

