

a.

2013 Black River Lake Aquatic Vegetation Control Plan
LDWF, Inland Fisheries

Map located in Appendix I

1. Waterbody type – Impounded River Bend
2. Age and condition of control structure – late 1980's sluice gate; has been inoperable since constructed
3. Type of control structure – weir w/ sluice gate
4. Pool stage MSL - 34'
5. Surface acres - 1500 acres at pool stage
6. Average depth – 40'; maximum depth - 60'
7. Watershed ratio – 7:1
8. Drawdown potential of structure - unknown
9. Waterbody Board or Lake Commission – No Commission
LDWF collaborates with Concordia Parish Police Jury on management decisions
 - a. Creation / Nomination – N/A
 - b. Primary contact information- Concordia Parish Police Jury
4001 Carter Street- Room 1
Vidalia, La. 71373
 - c. Procedure for spillway openings – inoperable

There has never been a drawdown of the waterbody.

What significant stakeholders use the lake?

Numerous private property owners have camps and homes along the shoreline. The lake is utilized for fishing, agricultural irrigation, and extensive boating/water recreation including jet skis, water skiing, tubing etc.

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

Vegetation complaints have been minimal. I received two inquiries concerning aquatic vegetation in the fall of 2011. A vegetation survey found a small fringe of southern naiad on the lower end of the lake estimated at 100 acres. Complainants had never observed this vegetation prior to this time and were concerned it may have been an exotic.

Have there been any controversial issues on the lake?

There have been no controversial issues on the lake.

Aquatic Vegetation Status:

There are no problem plants as of September 24, 2012.

There is a narrow fringe of giant cutgrass along the majority of the lake shoreline. It encompasses less than 50 acres and likely provides a benefit by decreasing shoreline erosion.

No problem vegetation is expected for 2013.

Limitations:

- Agriculture irrigation may preclude the use of certain herbicides
- No drawdown capabilities
- Extreme water depth may limit herbicide use
- 2, 4-D waiver area

Past Control Measures:

There have been no historic problems with aquatic vegetation. In 2011, there was a fringe of southern naiad growth in water out to the 4' depth contour. Herbicide applications for 2012 are listed below.

History of Herbicide Applications

Year	Acres	Vegetation
2012	45	Alligator Weed
	45	Water Hyacinth

Typemap

No type mapping has been conducted. There is no problem vegetation present. An aquatic vegetation survey was conducted in September 2012. The complete survey is attached in Appendix II.

Recommendations:

Recommendations for 2013 include monitoring the lake in July or August for the introduction of nuisance vegetation. In the event that nuisance weeds are discovered in Black River Lake, the appropriate herbicides will be applied as per direction by the Aquatic Plant Control Program guidelines. Water hyacinth will be treated with 2,4-D (0.5 gal/acre), and alligator weed with imazapyr (0.5 gal/acre) in undeveloped areas and Clearcast (0.5 gal/acre) near homes and developed shorelines.

Appendix I. Location of Black River Lake



Appendix II

Aquatic Vegetation Survey – Black River Lake/Cocodrie Lake Complex

September 24, 25, 2012

Conducted By –Richard Moses
Lynn Mathews
Rick McGuffee

There has been no change in the status of aquatic vegetation on this lake complex. No submergent vegetation is found in this complex. There is a shoreline fringe of giant cutgrass around both lakes. The cutgrass is located on 50% to 75% of the shoreline. This is beneficial because it likely reduces shoreline erosion that would occur from the vast amount of recreational water sports that take place on the lake.

RDM