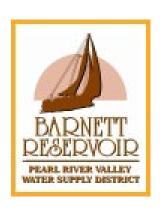
Collaborative Agency Efforts to Contain and Eradicate Giant Salvinia from Ross Barnett Reservoir











Presenter: Ryan Jones



Ross Barnett Reservoir Historical Plant Management

2005 (hydrilla)

MSU (mgt. plan)



Private contractor (treatment)

Ross Barnett Reservoir Historical Plant Management

2013 - present



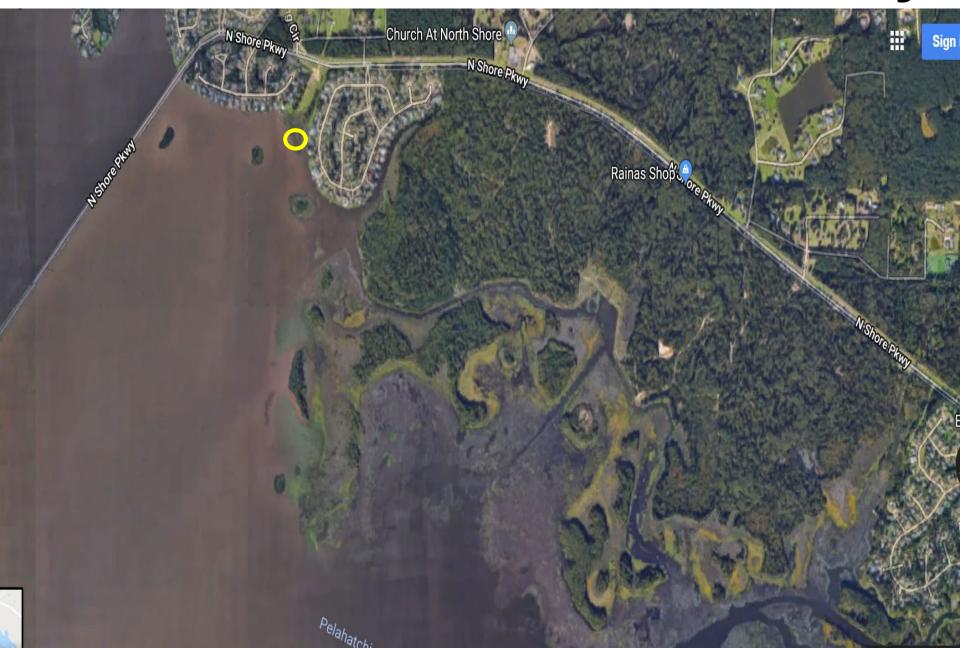
- MDWFP plant management

MDWFP plant management

- Hydrilla
- Water Hyacinth
- Alligatorweed
- Cuban Bulrush



June 26, 2018 - Pelahatchie Bay



June 26, 2018 - Pelahatchie Bay















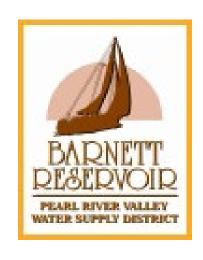
- Diquat/surfactant
- Sonar One





Contact Daniel Hill – LDWF

- Glyphosate\Diquat\Surfactant 96oz\32oz\32oz (LA mix)
- Containment is priority



Contact Greg Burgess PRVWSD engineer

Need containment boom!







October 2018



Contact Bradley Sartain USACE - ERDC

Glyphosate\Flumioxazin\Surfactant
96oz\2oz\32oz
(flumi mix)

October 2018



Contact Gray Turnage Geosystems Research Institute

Close boat ramps immediately!

October 2018

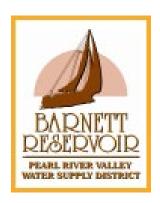
 PRVWSD declares state of emergency (10/17/18)

 Pelahatchie Bay closed to boating



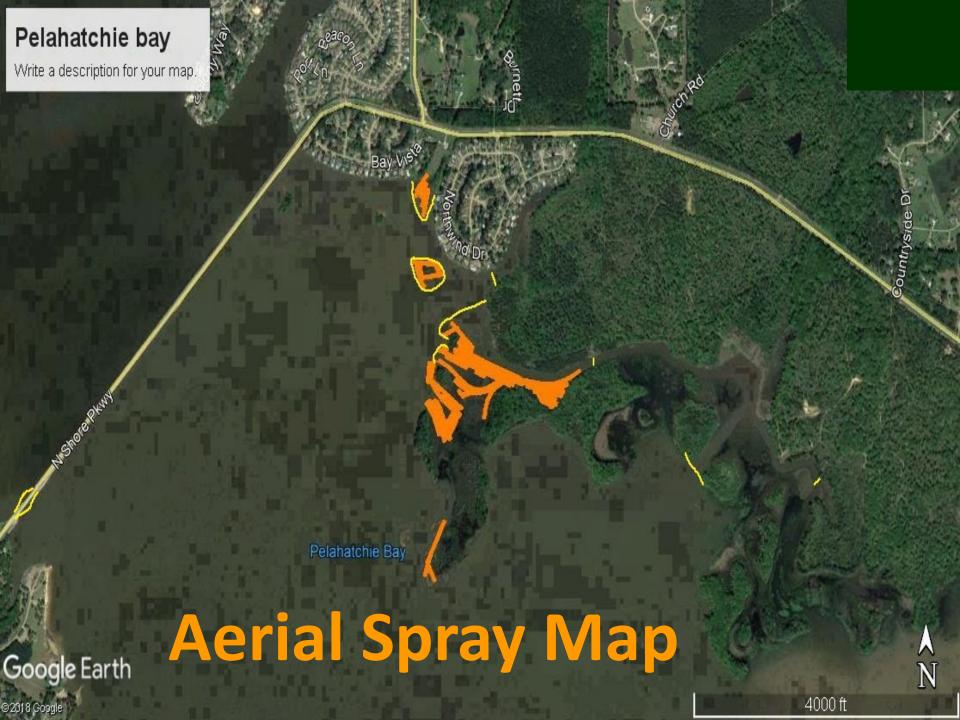
November 2018

- Drawdown (1.5 ft.)
- Aerial application





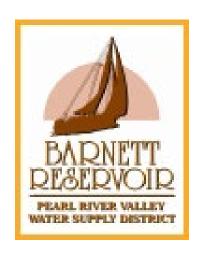








Feb 2019



Contact Rick Hollis PRVWSD forester

Can we burn these areas?









April 2019

 Max foliar rate Flumioxazin (12oz/ac)

 Applied to the soil and root balls of previously infested area

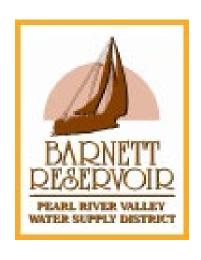
Containment boom maintenance







April 2019



Contact John Sigmond PRVWSD director

Can we get manpower?

May 2019









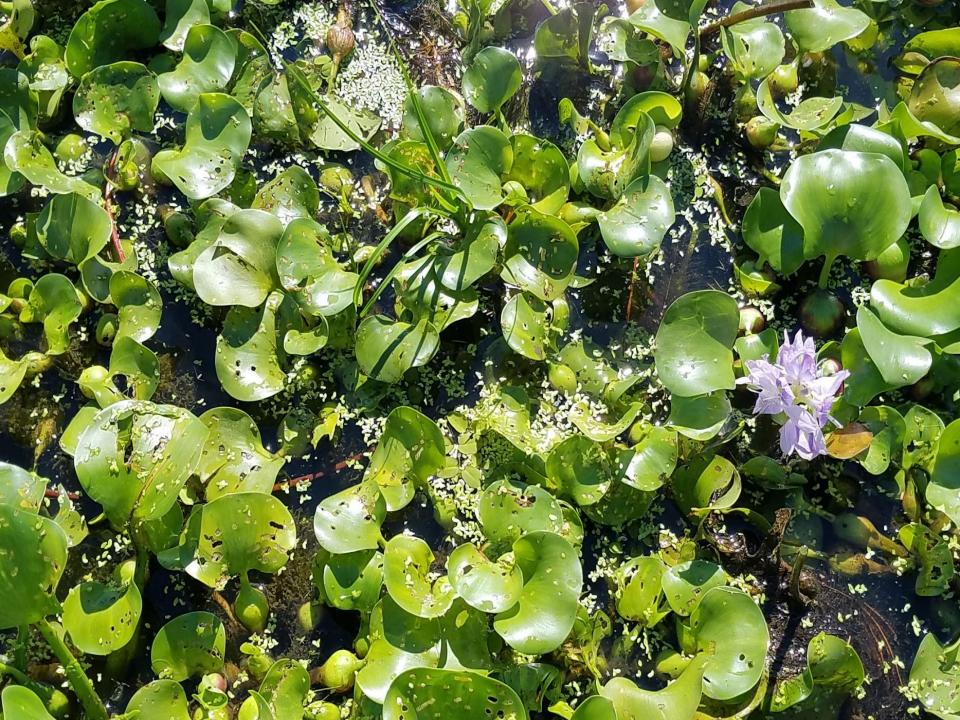
Summer 2019

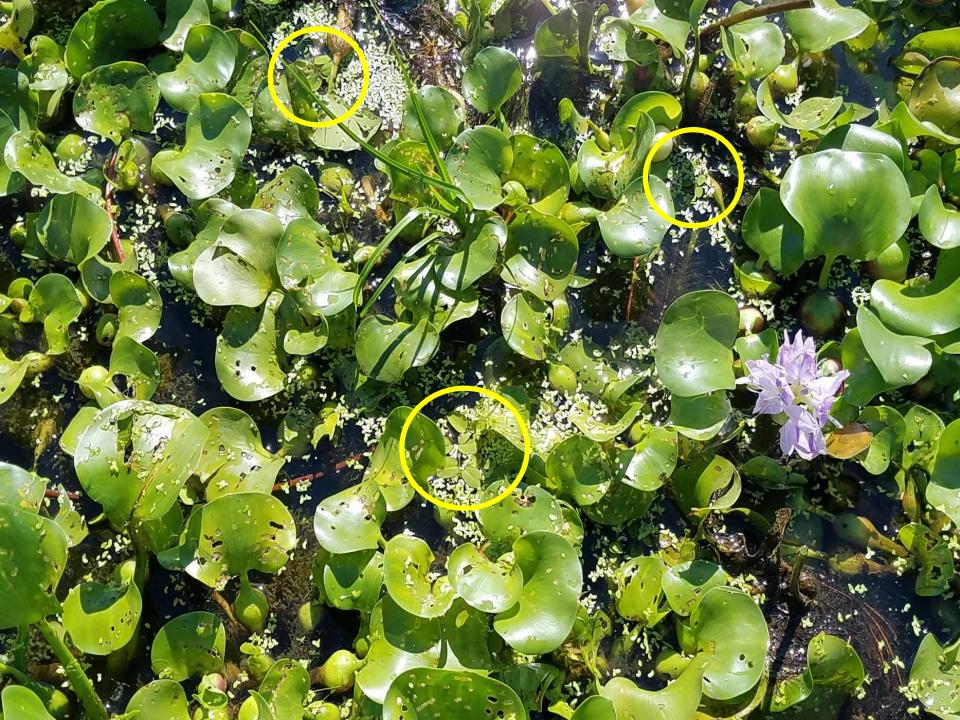


October 2019

 Return Ross Barnett Reservoir to full pool

Begin intensive surveys









October 2019

 Containment boom deployed (2,800')

- Aggressive herbicide treatments
 - Flumi injections

Continued surveys at full pool





January 2020

Drawdown 2.5 ft

 Limited success burning due to precipitation

Continued surveys

March – July 2020

 Comprehensive shoreline surveys reveal no new colonies







August 2020

 Deployment of containment boom (700ft)

Comprehensive boat/foot surveys

Aggressive herbicide treatments

2021

Comprehensive monthly boat/foot surveys

Containment boom maintenance

No giant salvinia was found

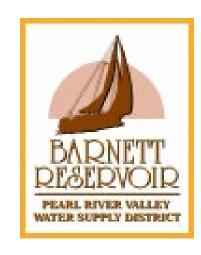
Current Status

 All containment boom has been removed

 Full recreational access restored on December 1st 2021

Continue intensive surveys

Educational Component



Bobby Cleveland

PRVWSD public relations

Educational Component

- Press releases and newsletters
- Coordinate with local news stations
 - > Onsite interviews
 - > Facebook live
- Clean Drain Dry Campaign
 - Signs/handouts at every ramp
 - > Television air-time
 - > Cleaning stations
 - Mandatory boat/trailer check for sportfish tournaments

Keys to Success

Contain spreading

Treat aggressively

Monitor the range

Acknowledgements

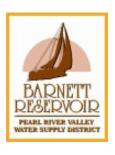
Gray Turnage



Bradley Sartain



Bobby Cleveland
 John Sigmond
 Rick Hollis



Daniel Hill



Acknowledgements

- Don Henke
- John Skains
- Terry Aycock
- Stephen Willis
- Jamaal Bankhead
- Charlie Welch
- Kevin Wyatt



