

JOINT APPLICATION AND NOTIFICATION

U.S. ARMY CORPS OF ENGINEERS
MISSISSIPPI DEPARTMENT OF MARINE RESOURCES
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY/OFFICE OF POLLUTION CONTROL

This form is to be used for proposed activities in waters of the United States in Mississippi and for the erection of structures on suitable sites for water dependent industry. Note that some items, as indicated, apply only to projects located in the coastal area of Hancock, Harrison and Jackson Counties.

1. Date
8/25/2015
month day year

2. Applicant name, mailing address, phone number and email address:

Pat Harrison Waterway District
George County Board of Supervisors
Jackson County Board of Supervisors
Attn: Hiram Boone, Executive Director
6081 US 49, Hattiesburg, MS 39401
(601) 264-5951
hboone@phwd.net

Agent name, mailing address, phone number and email address:

Jeff Ballweber
Pickering Firm, Inc.
2001 Airport Road, Suite 201
Flowood, MS, 39232
601/956-3663
jballweber@pickeringfirm.com

3. Official use only

COE _____
DMR _____
DEQ _____
A95 _____
DATE RECEIVED _____

4. Project location

Street Address N/A City/Community Lucedale & surrounding community
Name of Waterway Big & Little Cedar Creeks Latitude _____ Longitude (if known) _____
Geographic location: Section _____ Township _____ Range _____ County S. George & N. Jackson Counties, MS

5. Project description

New work Maintenance work

Dredging

Channel length _____ width _____ existing depth _____ proposed depth _____
 Canal length _____ width _____ existing depth _____ proposed depth _____
 Boat Slip length _____ width _____ existing depth _____ proposed depth _____
 Marina length _____ width _____ existing depth _____ proposed depth _____
 Other-Mooring Basin length _____ width _____ existing depth _____ proposed depth _____

Cubic yards of material to be removed 812,598 cy Type of material soil
Location of spoil disposal area on-site
Dimensions of spoil area _____ Method of excavation Dirt pan and excavator
How will excavated material be contained? _____

Construction of structures

Bulkhead Total length _____ Height above water _____
 Pier length _____ width _____ height _____
 Boat Ramp length _____ width _____ slope _____
 Boat House length _____ width _____ height _____

Structures on designed sites for water dependent industry (Coastal area only). Explain in item 11 or include as attachment.

Other (explain) 2 Dams- Length: Lower (2,821.5 ft); Upper (4232.3 ft); Width (crest): Both dams (50 ft); Height: Lower (40 ft); Upper (60 ft)

Filling

Dimensions of fill area Estimates are: Lower Lake 16.19 acres (2,821.5 ft x 250 ft); Upper Lake 34.12 acres (4232.3 ft x 351 ft)
Cubic yards of fill Depending on final dam design a total of 1-3 million cubic yards Type of fill soil

Other regulated activities (i.e. Seismic exploration, burning or clearing of marsh) Explain.

All anticipated fill material is expected to be removed from the lake footprints area. Therefore the expected volume of excavated material should equal the volume of fill material.

Loss of wetland and stream functions is a secondary impact. The Pickering Firm, Inc. performed a jurisdictional delineation of "waters of the U.S." which identified 1,201.697 acres of potential jurisdictional wetlands, 219,506.63 linear feet of ephemeral, intermittent, and perennial stream channels, and 24.77 acres of open water that the project would unavoidably impact.

6. Additional information relating to the proposed activity

Does project area contain any marsh vegetation? Yes No

(If yes, explain) _____

Is any portion of the activity for which authorization is sought now complete? Yes No

(If yes, explain) _____

Month and year activity took place _____

If project is for maintenance work on existing structures or existing channels, describe legal authorization for the existing work. Provide permit number, dates or other form(s) of authorization. _____

Has any agency denied approval for the activity described herein or for any activity that is directly related to the activity described herein?

Yes No (If yes, explain) _____

7. Project schedule

Proposed start date January 2018 Proposed completion date January 2020

Expected completion date (or development timetable) for any projects dependent on the activity described herein. N/A

8. Estimated cost of the project \$80,000,000 (property acquisition, design, construction). Mitigation costs have not been quantified (See Attachment D).

9. Describe the purpose of this project. Describe the relationship between this project and any secondary or future development the project is designed to support. See Attachment D

Intended use: Private Commercial Public Other (Explain) _____

10. Describe the public benefits of the proposed activity and of the projects dependent on the proposed activity.

Also describe the extent of public use of the proposed project.

See Attachment D.

11. Narrative Project Description:

See Attachment D.

12. Provide the names and addresses of the adjacent property owners. Also identify the property owners on the plan view of the drawing described in Attachment "A". (Attach additional sheets if necessary.)

- | | | | |
|----|--|----|--|
| 1. | Attachment A-Project Map | 2. | |
| | Attachment B-Property Owners List | | |
| | Attachment C-Agent Authorization Forms | | |
| | Attachment D-Supplemental Narrative | | |

13. List all approvals or certifications received or applied for from Federal, State and Local agencies for any structures, construction, discharges, deposits or other activities described in this application. Note that the signature in Item 14 certifies that application has been made to or that permits are not required from the following agencies. If permits are not required, place N/A in the space for Type Approval.

| <u>Agency</u> | <u>Type Approval</u> | <u>Application Date</u> | <u>Approval Date</u> |
|--------------------------------|----------------------|-------------------------|----------------------|
| Dept. of Environmental Quality | | | |
| Dept. of Marine Resources | | | |
| Army Corps of Engineers | | | |
| City/County _____ | | | |
| Other _____ | | | |

14. Certification and signatures

Application is hereby made for authorization to conduct the activities described herein. I agree to provide any additional information/data that may be necessary to provide reasonable assurance or evidence to show that the proposed project will comply with the applicable state water quality standards or other environmental protection standards both during construction and after the project is completed. I also agree to provide entry to the project site for inspectors from the environmental protection agencies for the purpose of making preliminary analyses of the site and monitoring permitted works. I certify that I am familiar with and responsible for the information contained in this application, and that to the best of my knowledge and belief, such information is true, complete and accurate. I further certify that I am the owner of the property where the proposed project is located or that I have a legal interest in the property and that I have full legal authority to seek this permit.

U.S.C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly and willingly falsifies, conceals, or covers up by any trick, scheme or device a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than five years, or both.

Mississippi Coastal Program (Coastal area only)

I certify that the proposed project for which authorization is sought complies with the approved Mississippi Coastal Program and will be conducted in a manner consistent with the program.

Signature of Applicant or Agent

August 25, 2015

Date

15. Fees

Payable to MS Dept. of Marine Resources
\$50.00 Single-family residential application fee
\$500.00 Commercial application fee
Public notice fee may be required

Please include appropriate fees for all projects proposed in coastal areas of Hancock, Harrison and Jackson Counties.

16. If project is in Hancock, Harrison or Jackson Counties, send one completed copy of this application form and appropriate fees listed in Item 15 to:

Department of Marine Resources
Bureau of Wetlands Permitting
1141 Bayview Avenue
Biloxi, MS 39530
(228) 374-5000

If project IS NOT in Hancock, Harrison or Jackson Counties, send one completed copy of this application form to each agency listed below:

District Engineer
Mobile District
Attn: CESAM-RD
P.O. Box 2288
Mobile, AL 36628-0001

District Engineer
Vicksburg District
Regulatory Branch
Attn: CEMVK-OD-F
4155 Clay Street
Vicksburg, MS 39183-3435

Director
Mississippi Dept. of Environmental Quality
Office of Pollution Control
P.O. Box 10385
Jackson, MS 39289

17. In addition to the completed application form, the following attachments are required:***Attachment "A" Drawings***

Provide a vicinity map showing the location of the proposed site along with a written description of how to reach the site from major highways or landmarks. Provide accurate drawings of the project site with proposed activities shown in detail. All drawings must be to scale or with dimensions noted on drawings and must show a plan view and cross section or elevation. Use 8 1/2 x 11" white paper or drawing sheet attached.

Attachment "B" Authorized Agent

If applicant desires to have an agent or consultant act in his behalf for permit coordination, a signed authorization designating said agent must be provided with the application forms. The authorized agent named may sign the application forms and the consistency statement.

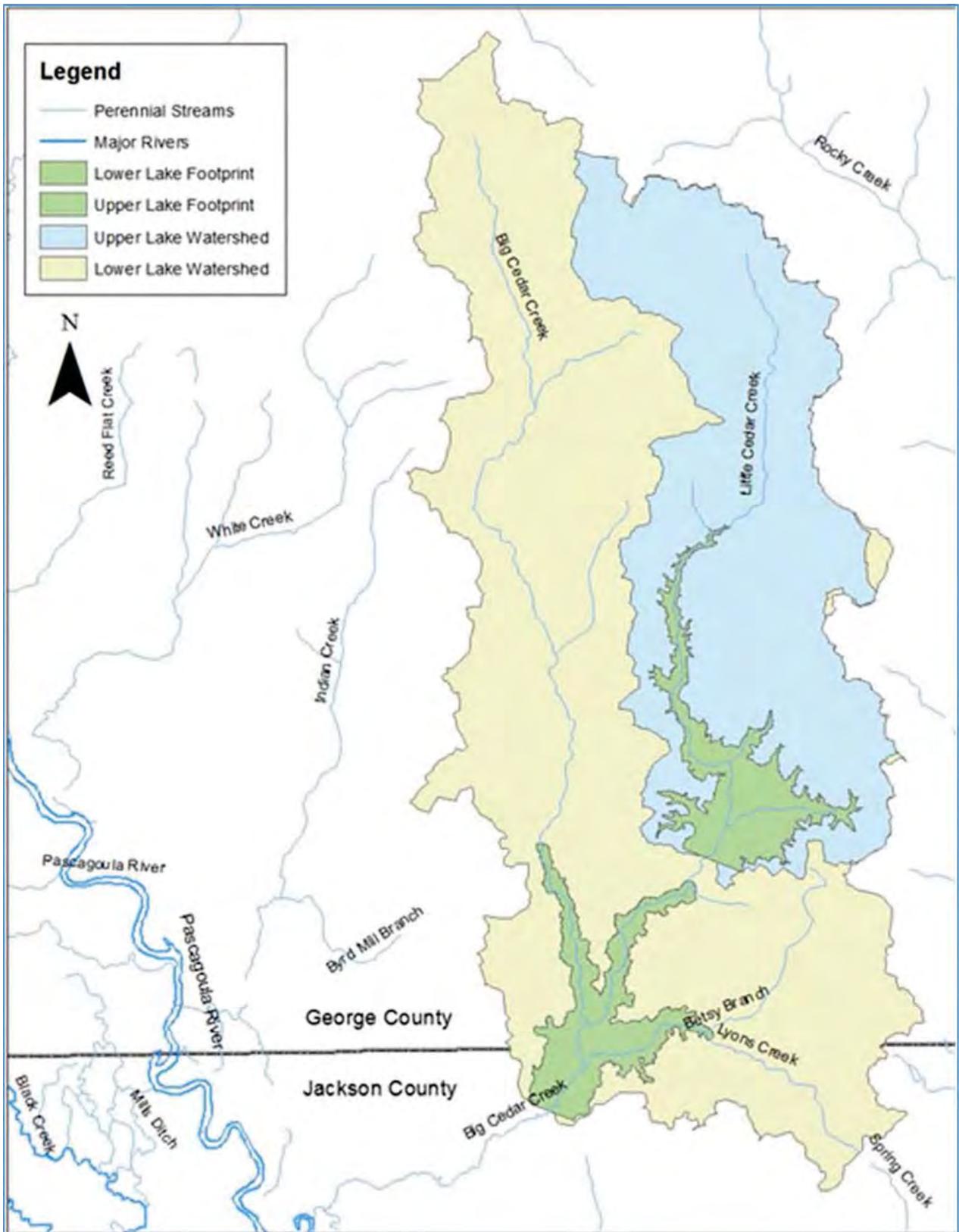
Attachment "C" Environmental Assessment (Coastal Area Only)

Provide an appropriate report or statement assessing environmental impacts of the proposed activity and the final project dependent on it. The project's effects on the wetlands and the effects on the life dependent on them should be addressed. Also provide a complete description of any measures to be taken to reduce detrimental offsite effects to the coastal wetlands during and after the proposed activity. Alternative analysis, minimization and mitigation information may be required to complete project evaluation.

Attachment "D" Variance or Revisions to Mississippi Coastal Program (Coastal area only)

If the applicant is requesting a variance to the guidelines in Section 2, Part III or a revision to the Coastal Wetlands Use Plan in Section 2, Part IV of the Rules, Regulations, Guidelines and Procedures of the Mississippi Coastal Program, a request and justification must be provided.

Attachment "A" Drawings

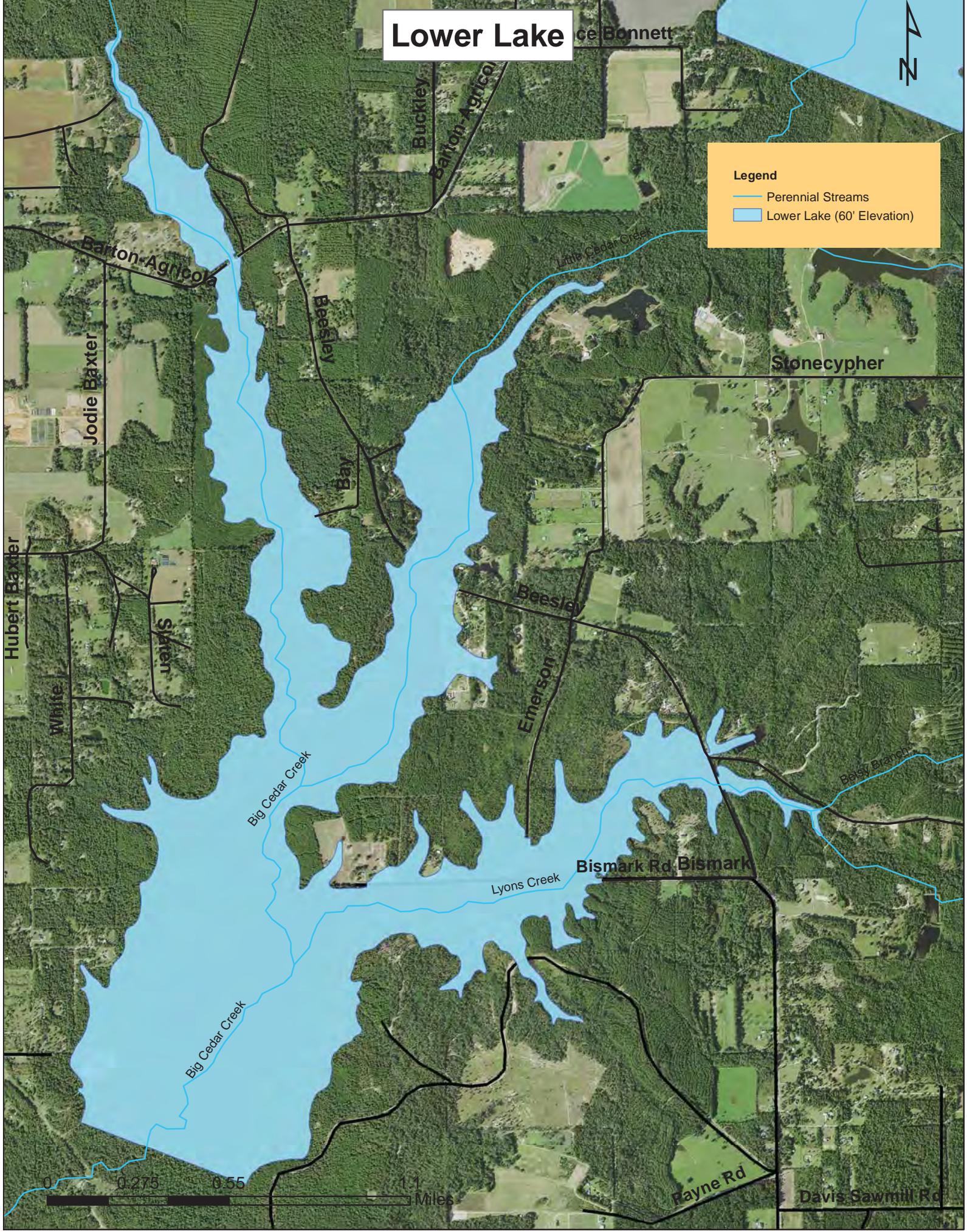


Lower Lake

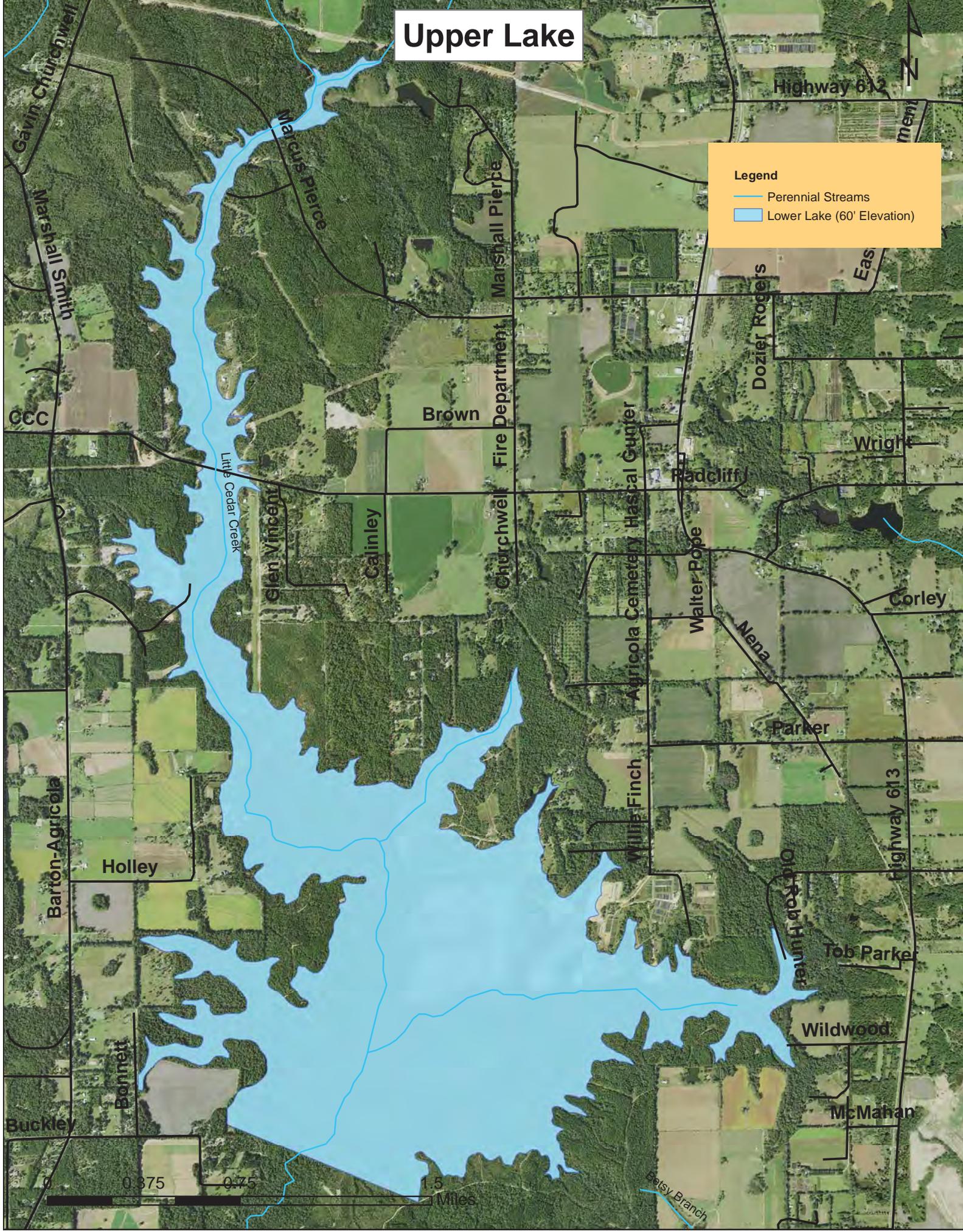


Legend

- Perennial Streams
- Lower Lake (60' Elevation)



Upper Lake



Legend

- Perennial Streams
- Lower Lake (60' Elevation)

| Ownername | Address1 | Address2 | City | State | Zip |
|-------------------------------------|-------------------------------|----------------------|------------|-------|-------|
| CUMBEST, MARK & ET. AL. | C/O BOBBIE VAUGHN | 2627 VAUGHN ROAD | MOSS POINT | MS | 39562 |
| WILLIAMS, SANDRA C | 3255 SALLY PARKER RD | 3255 Sally Parker RD | LUCEDALE | MS | 39452 |
| REIN, BETTY | 1274 JACKSON COUNTY LINE ROAD | | LUCEDALE | MS | 39452 |
| STEINER, ELBERT | 1258 JACKSON COUNTY LINE RD | | LUCEDALE | MS | 39452 |
| EVERHART, ROGER L. AND | SHELLY EVERHART R/S | 209 GOFF ROAD | LUCEDALE | MS | 39452 |
| STRINGFELLOW, PHYLLIS J & BRANDON L | 1190 SHIPMAN FIRETOWER RD | | LUCEDALE | MS | 39452 |
| LUMPKIN, JOHN L & SANDRA C. | 1120 DONALDSON RD | | LUCEDALE | MS | 39452 |
| FERRILL, ARTEZA | 2262 HWY 63 SOUTH | | LUCEDALE | MS | 39452 |
| SMITH, LOUIS W & LILLIE | 214 DAVE BROWN RD | | LUCEDALE | MS | 39452 |
| CEDAR CREEK REAL ESTATE, LLC | 705 EASTWOOD DRIVE | | PASCAGOULA | MS | 39567 |
| HENDERSON MIKE | 1314 WASHINGTON AVE | | PASCAGOULA | MS | 39567 |
| GEORGE CO. BAPT. ASSN. | P. O. BOX 1033 | | LUCEDALE | MS | 39452 |
| BETHLEHEM BAPTIST CHURCH | | | LUCEDALE | MS | 39452 |
| SHOEMAKER, LESTER & PAMELA | 1130 BARTON AGRICOLA ROAD | | LUCEDALE | MS | 39452 |
| GRADY, WALTER J ETUX LAURIE H | 2165 BEASLEY RD | | LUCEDALE | MS | 39452 |
| FAUROT, MICHAEL & JASIE S/C | 149 BAY DR. | | LUCEDALE | MS | 39452 |
| FREEMAN, ROBERT ETUX LISA M. S/C | 2133 BEASLEY RD. | | LUCEDALE | MS | 39452 |
| FAUROT, MICHAEL & JASIE B. | 114 BAY DR | | LUCEDALE | MS | 39452 |
| STEEDE, DARRELL | 255 WHITE ROAD | | LUCEDALE | MS | 39452 |
| HANCOCK, LULA PARKER ETAL | SMITH, DIANE PARKER | 2306 OWENS AVE | GROVE | TX | 77619 |
| DOUBLE A FIREWOOD, INC. | D/B/A DESOTO LAND & TIMBER | PO BOX 670 | WIGGINS | MS | 39577 |
| NARAMORE, JOHNNYE | 4732 DAVIS SAWMILL ROAD | | LUCEDALE | MS | 39452 |
| EMERSON, ROLLIE JR ETUX | VIRGINIA | 1141 BISMARCK | LUCEDALE | MS | 39452 |
| MONCRIEF, STACEY L. | 1107 BISMARCK ROAD | | LUCEDALE | MS | 39452 |
| COOPER, THOMAS GLENN | 7304 CODA RD | | PASCAGOULA | MS | 39581 |
| ALFORD, KATHERINE L & | HUTCHINSON, THERESA A | 1153 BEESLEY RD | LUCEDALE | MS | 39452 |
| MILLER, BERTIE E. REVOCABLE TRUST | PO BOX 319 | | LUCEDALE | MS | 39452 |
| WATTERS, DAVID W. & HERTHEL D. | 172 WATTERS RD | | LUCEDALE | MS | 39452 |
| GARLOCK, E. GAIL | 113 HUBERT BAXTER RD | | LUCEDALE | MS | 39452 |
| COLE, JAMES R. & CATHERINE ALBERT | 1186 BEESLEY RD | | LUCEDALE | MS | 39452 |
| DEBROW, JESSICA ANN ETVIR | STEEVN S/C | 1167 A BEESLEY RD | LUCEDALE | MS | 39452 |
| MILLER, JOSHUA LEE | 1167 B BEASLEY RD | | LUCEDALE | MS | 39452 |
| NEWSUM, RUSSELL K | P O BOX 432 (118 MORRISON RD) | | HURLEY | MS | 39555 |
| MASON, JANICE E ETAL | 190 BEESLEY ROAD | | LUCEDALE | MS | 39452 |
| MASON, JANICE E. ETAL | MASON, DOUGLAS G. & | RUSH, FREDDY | LUCEDALE | MS | 39452 |
| JEFCOAT, JOAN D. & NARAMORE, | PATRICIA ANN | 26000 HWY 613 | LUCEDALE | MS | 39452 |
| NARAMORE, PATRICIA E. | 26000 HWY 613 | | LUCEDALE | MS | 39452 |
| CUMBEST, ROYCE ET AL | C/O BOBBY VAUGHN | 2627 VAUGHN RD | MOSS POINT | MS | 39562 |
| HOLLIS, FRANKLIN D ETUX DANIELLE R | P O BOX 522 | | HURLEY | MS | 39555 |

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|-------------------------------------|---------------------------------|--------------------------|-----------------|----|-------|
| MASON, DOUGLAS G. ETAL | MASON, JANICE E. | 190 BEESLEY RD | LUCEDALE | MS | 39452 |
| CUMBEST, JAMIE NICOLE & | KEVIN MATTHEW S/C | 147 BISMARCK RD | LUCEDALE | MS | 39452 |
| EMERSON, CARLEY GILBERT ETUX F | 4220 CUNNINGHAM ROAD | | MOSS POINT | MS | 39562 |
| MASON, DOUGLAS G. ETAL | MASON, JANICE E. | 190 BEESLEY RD | LUCEDALE | MS | 39452 |
| O'LEARY, JUANA C. & VAN G. | 4607 SUFFOCK ST. | | PASCAGOULA | MS | 39581 |
| CUMBEST, GREGORY R & CYNTHIA A | 264 STONECYPHER ROAD | | LUCEDALE | MS | 39452 |
| BUSH, HARVEY GEORGE | 2408 ROTHFIELD PLACE | | MOBILE | AL | 36605 |
| PRINE, MARY F. & DANIEL H., TRUSTEE | FOR GANDY-PRINE TRUST | 8920 LEABROOK ST | FAIRHOPE | AL | 36532 |
| MIDDLETON, J ALVIN | 15486 ROGERS DR | | CHUNCHULA | AL | 36521 |
| PARKER, RUBY BONNETT AND | PARKER, SHANNON RAY R/S | 196 CLARENCE BONNET ROAD | LUCEDALE | MS | 39452 |
| PALMER, DEBBIE B | 82 OLD HWY 49 | | HATTIESBURG | MS | 39401 |
| REYNOLDS, EUDORA B | 5114 HWY 63 SOUTH | | LUCEDALE | MS | 39452 |
| DEDEAUX, CLARICE B | P O BOX 468 | | PERKINSTON | MS | 39573 |
| HENRY, MARY E. | 206 CLARENCE BONNETT ROAD | | LUCEDALE | MS | 39452 |
| WALKER, SIDNEY EARL & GEORGIA | 255 HOLLEY ROAD | | LUCEDALE | MS | 39452 |
| DUEITT, DEBRA FAYE | 110 AIRPORT RD | | LUCEDALE | MS | 39452 |
| KIRKWOOD, JAMES W. ETUX | KIRKWOOD, CHERYL R/S | 240 HOLLEY ROAD | LUCEDALE | MS | 39452 |
| HOLLEY, DALLAS E. ETUX NETTIE | | 280 HOLLEY RD | LUCEDALE | MS | 39452 |
| DUEITT, DEBRA F. | 110 AIRPORT RD. | | LUCEDALE | MS | 39452 |
| BAUM, JOHN G ETUX | PAMELA J. S/C | 205 HOLEY RD | LUCEDALE | MS | 39452 |
| JONES, JOHN D. AND | JONES, JAMES K. R/S | 1008 EASTWOOD | PASCAGOULA | MS | 39567 |
| BROOKE, WILLIAM & THERESA R/S | 199 HOLLEY ROAD | | LUCEDALE | MS | 39452 |
| RAY, SHERWIN A ETUX SANDRA D R | 151 HOLLEY RD | | LUCEDALE | MS | 39452 |
| PIERCE, JEFFERY K. & LISA D. S/C | 204 A BONNETT LN | | LUCEDALE | MS | 39452 |
| M B F PROPERTIES, LLC | 100 MANDALAY DRIVE | | HATTIESBURG | MS | 39402 |
| YOUNG, BRENDA M. ETAL, MALONE M. JR | & SHRIVER, SHERRILL M. | 2168 EARL KNIGHT RD. | CRYSTAL SPRINGS | MS | 39059 |
| WILLIAMS NURSERY, INC | 233 WILLIE FINCH RD. | | LUCEDALE | MS | 39452 |
| CURRIE FAMILY INVESTMENT CO LP | (A GEORGIA LIMITED PARTNERSHIP) | 6 CONCOURSE PKWY/600 | ATLANTA | GA | 30328 |
| LANKFORD, LEWIS DEWAYNE | P O BOX 387 | | STATE LINE | MS | 39362 |
| JEMISON, JAMES M. & CARLITA | 110 JEMISON LANE | | LUCEDALE | MS | 39452 |
| HUDSON, GREGORY L & TERESA R | 213 CHURCHWELL DR | | LUCEDALE | MS | 39452 |
| COCHRAN, JOSEPH C. ETUX | MELISSA R. S/C | 938 PINECREST CIRCLE | SYLACAUGA | AL | 35151 |
| POUNDS, CARL ETAL | GLASKOX, CARLA S. R/S | 161 MILL CREEK LANE | LUCEDALE | MS | 39452 |
| BUCHANAN, JAMES O JR. | 14343 CINDYWOOD | | HOUSTON | TX | 77079 |
| WILLIAMS NURSERY, INC | 233 WILLIE FINCH RD. | | LUCEDALE | MS | 39452 |
| DUEITT, DEBRA FAYE | 110 AIRPORT RD | | LUCEDALE | MS | 39452 |
| MALLETTE, KENNITH | 161 AIR RANCH RD | | LUCEDALE | MS | 39452 |
| SMITH, JOHN WINFRED & GINGER DUNNAM | 4005 OAK GROVE CIRCLE | | WESTCLIFF | CO | 81252 |
| M & M PROPERTIES OF LUCEDALE, LLC | PO BOX 1906 | | LUCEDALE | MS | 39452 |
| CRAWLEY, KELLY D. | 170 CALINLEY LANE | | LUCEDALE | MS | 39452 |

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|-------------------------------------|---------------------------|----------------------|------------|----|-----------|
| BUFKIN, JOHN M ETUX TARA S S/C | 6177 BARTON AGRICOLA RD | | LUCEDALE | MS | 39452 |
| CUEVAS, THOMAS G. & | BRENDA J. S/C | 2133 PASCAGOULA ST | PASCAGOULA | MS | 39567 |
| HOLLAND, JOSEPH T. ETUX CASSIE L. | 159 DRISKELL RD | | LUCEDALE | MS | 39452 |
| WALLACE, JONATHAN O. ETUX | CYNTHIA N. S/C | 160 AZALEA RIDGE DR | LUCEDALE | MS | 39452 |
| WELFORD, HAMILTON CHAD ETUX | AMY LYNN S/C | 168 BURGUNDY DR | LUCEDALE | MS | 39452 |
| HOLLAND, JOSEPH T. AND | HOLLAND, CASSIE L. | 117 BUTTERFLY DRIVE | LUCEDALE | MS | 39452 |
| CRAWLEY, AUBREY L. SR. AND | CAROLYN S. CRAWLEY R/S | 170 CALINLEY LANE | LUCEDALE | MS | 39452 |
| BUFKIN, MARK AND TARA R/S | 168 JORDAN MAE LANE | | LUCEDALE | MS | 39452 |
| BROWN, COLEN MURRAY ETUX | BROWN, KAREN ADELE R/S | P O BOX 496 | LUCEDALE | MS | 39452 |
| WALKER, HUEY N. ETUX | WALKER, ROSEMARY R. R/S | 4229 COVENTRY DRIVE | MOSS POINT | MS | 39562 |
| MALLETTE, KENNITH | 161 AIR RANCH RD | | LUCEDALE | MS | 39452 |
| CUEVAS, THOMAS G. & | BRENDA J. S/C | 2133 PASCAGOULA ST | PASCAGOULA | MS | 39567 |
| V2M2 PROPERTIES, LLC | PO BOX 178 | | LUCEDALE | MS | 39452 |
| PIERCE, MICHAEL ETUX CAROL D. S/C | 140 MARCUS PIERCE ROAD | | LUCEDALE | MS | 39452 |
| WALKER, HUEY N. ETUX ROSEMARY* | 4229 COVENTRY DRIVE | | MOSS POINT | MS | 39562 |
| WALTERS, BILLY L. AND | WALTERS, GWENDOLYN A. R/S | 1315 LAKE AVENUE | PASCAGOULA | MS | 39567 |
| PLATT, ROBERT J. JR. AND | PLATT, DARENDA LYNN R/S | 15224 WOLFRIDGE ROAD | MOSS POINT | MS | 39562 |
| HUNTER, HERVEY M. | 4157 HWY 613 | | LUCEDALE | MS | 39452 |
| BUFKIN, NOAH M & MARIE W | 197 DRAGONFLY LANE | | LUCEDALE | MS | 39452 |
| WILLIAMS, WILSON ETUX ERNESTINE | 233 WILLIE FINCH RD | | LUCEDALE | MS | 39452 |
| CRONIER, ALLEN L. ETUX JANICE STORK | 13713 BUNKER HILL RD | | MOSS POINT | MS | 39562 |
| SHEPPARD, JIMMY ET UX | 148 BUDDY FINCH ROAD | | LUCEDALE | MS | 39452 |
| LOPER, JOSEPH C ET UX SHERRY A | 190 BUDDY FINCH ROAD | | LUCEDALE | MS | 39452 |
| WILLIAMS, JOSEPH FELIX & JAMIE | VICTORIA | 180 BUDDY FINCH ROAD | LUCEDALE | MS | 39452 |
| WILLIAMS NURSERY, INC | 233 WILLIE FINCH RD. | | LUCEDALE | MS | 39452 |
| HOBODY, SHELIA & WILLIAMS, | WILSON & BOBBY L. | 233 WILLIE FINCH RD | LUCEDALE | MS | 39452 |
| WILLIAMS, WILSON & ERNESTINE | 233 WILLIE FINCH ROAD | | LUCEDALE | MS | 39452 |
| PARKER, CARLTON C. | 158 TOB PARKER ROAD | | LUCEDALE | MS | 39452 |
| CHAPMAN, RUSSELL J. & | DIANNE CARPENTER S/C | 716 OPOI ST | HONOLULU | HI | 968251630 |
| FRANKLIN, JONES W. | 1767 WOODS TRAIL | | EIGHT MILE | AL | 36613 |
| FRANKLIN, MYRTIS T | 1767 WOODS TRAIL | | EIGHT MILE | AL | 36613 |
| VINCENT, GLENN W. ETUX KAY LEE S/C | 5288 HIGHWAY 613 | | LUCEDALE | MS | 39452 |
| HEMBREE, ANDREW L. & WANDA REBECCA | 242 LEMUEL HEMBREE RD. | | LUCEDALE | MS | 39452 |
| DOWNING, DAVID W | 193 LEMUEL HEMBREE RD | | LUCEDALE | MS | 39452 |
| DEROSE, GERALD F JR & CYNTHIA M S/C | 223 LEMUEL HEMBREE RD | | LUCEDALE | MS | 39452 |
| REUS, GREGORY A. & AGNES VASTI | 237 LEMUEL HEMBREE RD | | LUCEDALE | MS | 39452 |
| PIERCE, MICHAEL ETUX CAROL I | 206 MARCUS PIERCE | | LUCEDALE | MS | 39452 |
| HEMBREE, ANDREW L. & WANDA REBECCA | 242 LEMUEL HEMBREE RD | | LUCEDALE | MS | 39452 |
| PIERCE, MICHAEL & CAROL D | 140 MARCUS PIERCE RD | | LUCEDALE | MS | 39452 |
| FINCH, EMALINE | 184 WILLIE FINCH RD | | LUCEDALE | MS | 39452 |

| | | | | |
|------------------------------------|-------------------------|-------------|----|-------|
| BROWN, NATHAN | 6177 BARTON AGRICOLA RD | LUCEDALE | MS | 39452 |
| POOLE, ROBERT L., JR., ETUX SHERYL | 110 ROBERT SHERYL DRIVE | LUCEDALE | MS | 39452 |
| SCOTT, BILLY JOE, ETUX MONETTE | 1230 BEASLEY RD | LUCEDALE | MS | 39452 |
| DENNIS, A.C., JR., ETUX CAROLYN J. | 1272 BEESLEY ROAD | LUCEDALE | MS | 39452 |
| Ray Robert Keith & Elizabeth | P. O. BOX 422 | HURLEY | MS | 39555 |
| NARAMORE JERREL L. & CECILIA A. | 5401 GAVIN HAMILTON RD. | MOSS POINT | MS | 39562 |
| CUMBEST MARK ET AL | 17721 HWY 63 | MOSS POINT | MS | 39562 |
| MCCARRA JEFFERY B. | 17425 DELLA ROPER RD | ALEXANDERIA | MS | 39562 |
| BROOKS THOMAS COYT DALE ET AL | 609 WINDERMERE BLVD | ALEXANDERIA | LA | 71303 |



MISSISSIPPI DEPARTMENT OF MARINE RESOURCES

Agent Authorization

I authorize the person(s) and/or company listed below to act as my agent regarding the proposed project as described in the Joint Application and Notification at the location listed below:

Jeff Ballweber/Pickering Firm, Inc.

(name of agent)

George County/Jackson County

(location of project)

2001 Airport Road, Suite 201

(address)

Flowood, MS 39232

(city, state, zip code)

601-956-3663

(agent phone number)

Kelly Wright/President - George County Board of Supervisors

(print applicant name)

A handwritten signature in blue ink, appearing to be "K. Wright", written over a horizontal line.

(applicant signature)

3/13/14

(date)

Do you want the permit mailed to the agent? Yes No

RESOLUTION OF THE BOARD OF SUPERVISORS
OF JACKSON COUNTY, MISSISSIPPI DESIGNATING
PICKERING FIRM, INC./JEFF BALLWEBER
AS AGENT FOR THE SUBMISSION OF THE
DMR JOINT APPLICATION PERMIT APPLICATION
FOR THE LAKE GEORGE PROJECT

WHEREAS, the Board of Supervisors desires to designate Pickering Firm, Inc./Jeff Ballweber as Jackson County's Agent for the submission of the DMR Joint Application Permit Application for the Lake George, Jackson County, MS Project;

BE IT, THEREFORE, RESOLVED that the Board of Supervisors hereby authorizes the President of the Board to execute the Agent Authorization form, a copy of which is attached hereto, designating Pickering Firm, Inc./Jeff Ballweber, as Jackson County's Agent for the submission of the DMR Joint Application Permit Application for the Lake George Project, Jackson County, MS Project.

The motion to approve the foregoing resolution was made by Supervisor McKay seconded by Supervisor Ross, and the following vote was recorded:

| | |
|--------------------|------------|
| Supervisor Cumbest | <u>yes</u> |
| Supervisor Harris | <u>yes</u> |
| Supervisor Mangum | <u>yes</u> |
| Supervisor Ross | <u>yes</u> |
| Supervisor McKay | <u>yes</u> |

RESOLVED, this the 6th day of April, 2015.

ATTEST:

[Signature]

Clerk of the Board



BOARD OF SUPERVISORS

By: [Signature]

President

Pascagoula River Drought Resiliency Project
Joint Application and Notification
Supplemental Responses
July 27, 2015

8. Estimated cost of the project: Continued:

Mitigation costs have not been projected. The conceptual mitigation plan proposes three hierarchical stages to fully compensate for the project's unavoidable wetland and stream impacts. First, as a public project, on-site mitigation will be used to the maximum extent possible including in priority order: a) restoring, b) enhancing, and/or c) protecting wetlands and streams adjacent to the lakefront. This may be accomplished by purchasing lake front property in fee-simple or long-term conservation easements from willing sellers. Similarly, buffer strips on upstream tributary streams may be purchased from willing sellers for restoration, enhancement and/or protection. After exhausting all practicable on-site mitigation, off-site public lands will be evaluated next for potential mitigation opportunities. Public land associated with the PHWD's water parks specifically offer significant opportunities for wetland and stream restoration and enhancement. Further, the Mississippi Department of Wildlife, Fisheries and Parks purchased 428.07 acres of land adjacent to Lake Bogue Homa to mitigate wetland and stream impacts from an earlier, but never constructed, George County Lake project which should be available to contribute mitigation credits to this project. Finally, after exhausting all practicable off-site, public land mitigation the co-applicants may consider the following actions: a) Seek mitigation credits from an existing public mitigation bank: b) Seek to create a new public mitigation wetland/stream mitigation bank: and c) Purchase the necessary mitigation credits from an approved mitigation bank. The co-applicants will work closely with the Corps of Engineers, the Mississippi Department of Marine Resources and other federal and state regulatory agencies to ensure all the project's unavoidable wetlands and stream impacts are fully mitigated prior to construction.

9. Project Purpose:

This is a public drought resiliency project to provide sufficient surface water and restore water table levels to maintain the Pascagoula River's flows above established minimum stream flows (7Q10) through 2060, in light of projected more frequent, severe and longer droughts in the basin. In addition to its primary drought resiliency purpose, the project includes public recreational facilities which will be operated and maintained by the Pat Harrison Waterway District (PHWD), including (but not necessarily limited to) one or possibly two public recreational water park(s). These facilities will be patterned after PHWD's other water parks with cabins, R.V. hook-ups, camping sites, water slides, boat launches, shelters, lodge halls, nature trails, etc. A transparent public process and economic impact and feasibility study will be used to determine the size, number, and mix of amenities that the water park(s) will include. The PHWD will coordinate with the George and Jackson County Boards of Supervisors and appropriate federal and state agencies to develop an enforceable shoreline management plan/program to balance public access with adjoining landowner rights.

10. Project's Public Benefits:

Mississippi's legislature has determined that minimum stream flows are an important public purpose for consumptive and nonconsumptive uses including agricultural, industrial, municipal and domestic uses, assimilative waste capacity, recreation, navigation, fish and wildlife resources and other ecologic values, estuarine resources, aquifer recharge and aesthetics

(Miss. Code Ann. § 51-3-3(i)). Maintaining minimal flows on the Pascagoula River during more frequent, severe and prolonged droughts is critical to provide public, environmental, ecological and economic benefits. The project will provide both surface water storage and recharge to the localized water table. The stored surface water would be available for immediate and sustained release while the restored water table would support the Pascagoula's natural baseflow during droughts without releasing additional surface water. Water releases from the Upper to the Lower Lakes, and ultimately the Pascagoula River, would need to be coordinated to minimize the water loss due to evaporation from either lake and to minimize adverse recreational impacts to the maximum extent possible. This would be performed, while ensuring that sufficient water was released into the Pascagoula River whenever necessary, and for as long as necessary, to avoid drought impacts.

The Project's environmental benefits include but are not limited to: 1) Maintaining surface water assimilative capacity; 2) Preventing seasonal wetlands from drying out and disappearing; 3) Minimizing drought-driven increased demands on surface and groundwater; and 4) Providing drought resiliency to maintain estuarine salinity regimes that protect estuarine productivity and minimize the impacts of projected sea level rise. Similarly, the Project's ecological benefits include, but are not limited to: 1) Maintaining habitat and a migratory corridor for important freshwater and estuarine commercial and recreational fisheries; and 2) Providing critical habitat (i.e. stream flows) for threatened and endangered species' migration, reproduction and nursery areas. Finally, the Project's economic benefits include but are not limited to: 1) Maintaining water supplies for permitted surface water industrial and municipal water supplies; 2) Maintaining biological diversity and richness to support the growing eco-tourism industry on the Pascagoula River; and 3) Assuring reliable, long-term water supplies for potential new industries and corresponding new livable wage jobs in the region.

11. Narrative Project Description:

The Recommended Project's size was based on the projected volume of water necessary to augment the Pascagoula River's flows when they fall below 917 cfs at the Merrill Stream gage during projected droughts through 2060. The site was selected because the Big and Little Creek watershed was capable of capturing, retaining and effectively delivering the necessary volume of water to the Pascagoula River to maintain flows during those projected droughts. After extensive analysis, the project includes building two impoundments on Big and Little Cedar Creek in south George and north Jackson Counties, Mississippi. The two lakes will be operated and managed by the PHWD as a system to augment the Pascagoula River's flows when necessary, and to provide new public recreational opportunities. Physical descriptions of the lakes and associated dams include the following:

Upper Lake: Sited totally in George County, Mississippi on Little Cedar Creek. At its maximum pool level of 130 feet above mean sea level (MSL), it would cover approximately 1,715 acres and store roughly 31,410 acre-feet (AF) of water.

Lower Lake: Dam in north Jackson County, below the confluence of Big and Little Cedar Creeks. At its maximum pool level of 60 feet MSL, the Lower Lake would cover approximately 1,153 acres, with about 667 acres (or 58%) in southern George County and about 484 acres (or 42%) in northern Jackson County. The Lower Lake would provide roughly 20,228 AF of water storage capacity.

Dams: The two dams are both planned to be earth-filled embankments with an impermeable core. The amount and composition of fill for each dam will depend on final design approval. The

primary spillways will be uncontrolled concrete structures approximately 20 feet in width, constructed with surface elevations at the top of the conservation pools for both lakes. Emergency spillways will be designed and constructed for both dams to allow passage of the probable maximum (500-year) flood without overtopping the embankment. Releases will be controlled using a structure capable of selective, multilevel withdrawal and an outlet discharging into a stilling basin at the base of the primary spillway. The proposed dams and spillways are anticipated to cover approximately 34.12 acres and 16.19 acres on the Upper and Lower Lakes, respectively. Minimum downstream flows will be maintained on both Big and Little Cedar Creeks during construction.

The Upper Lake's proposed dam is anticipated to be approximately 4,232.3 feet in length. The upper dam will extend in a southeasterly direction from a ridge located at 135 feet MSL, just east of Clarence Bonnett Road (latitude 30° 46' 15", longitude 88° 32' 47") and then cross Little Cedar Creek to a ridge located at 135 feet MSL along an unnamed dirt road (latitude 30° 46' 05", longitude 88° 32' 15"), north of Stonecypher Road. The Lower Lake's proposed dam is anticipated to be approximately 2,821.5 feet in length, located entirely in Jackson County. The lower dam will extend from a ridge located at 70 feet above MSL, just east of Hillside Road (latitude 30° 43' 29", longitude 88° 34' 59") in a southeasterly direction and then cross Big Cedar Creek to a ridge just west of Payne Road (latitude 30° 43' 20", longitude 88° 34' 25").

Furthermore, these two lakes will recharge the water table, which should significantly contribute to maintaining the Pascagoula River's baseflow during droughts without releasing additional surface water. Water releases from the Upper to the Lower Lakes, and ultimately the Pascagoula River, would be coordinated to minimize water loss due to evaporation from either lake and to minimize adverse recreational impacts to the maximum extent possible. This would be done while ensuring that sufficient water was released into the Pascagoula River whenever necessary, and for as long as necessary, to compensate drought impacts. Based on data collected and analyzed and from stakeholder discussions in the Pascagoula River watershed, several alternative operational scenarios were proposed that may be compatible with the primary drought resiliency purpose. One scenario is to maintain a natural, historic hydrograph. A second scenario proposed scheduling periodic artificial high water events to benefit downstream and coastal environments and ecosystems without increasing flood risks. Finally, some other seasonal hydrograph might improve the critical habitat, thus supporting the recovery of threatened and endangered fish species while also enhancing important commercial and recreational marine fisheries. In short, the Project's exact operational parameters are still under discussion with stakeholders and federal and state resource agencies.