



Alabama Department of Environmental Management
adem.alabama.gov

1400 Coliseum Blvd. 36110-2400 ■ Post Office Box 301463
Montgomery, Alabama 36130-1463
(334) 271-7700 ■ FAX (334) 271-7950

CATEGORICAL EXCLUSION FROM ENVIRONMENTAL REVIEW

The Board of Water and Sewer Commissioners of the City of Mobile

Mobile County

DWSRF/DWBIL# FS010096-04

July 8, 2024

The Alabama Department of Environmental Management has made \$78,436,000 in financial assistance available to the Board of Water and Sewer Commissioners of the City of Mobile using funds from the FY2024 thru FY2027 SRF and BIL loan Drinking Water programs. In accordance with State and Federal regulations that govern the programs, the Alabama Department of Environmental Management has conducted a review to assess potential impacts upon the environment that may result from implementation of this project.

Improvements planned will be in four (4) main areas: Big Creek Lake, E.M. Stickney WTP, Myers WTP, and Gaillard Pump Station. Big Creek Lake projects will protect the water source in the event of spills and improve the integrity of the berm at the dam. E.M. Stickney WTP projects will consist of rehabilitation of Settling Basin and Filter. Also included is conversion from Chlorine Dioxide to Sodium Hypochlorite for public safety. Stickney improvements will also include a new liquid lime system and redundant Solids Clarifier. The Myers WTP project is the Filter Rehabilitation improving reliability. The Gaillard Pump Station project will consist of rehabilitation and/or replacement of pumps, valves, and fittings. SCADA upgrades will be installed as needed to upgrade security at both WTPs. In addition to this project there will be critical valve replacements, water main replacements, and paving projects at WTPs. A final project is the investigation of alternative water supplies and actions required should use of Mobile River as an alternate water supply be required in the future. These improvements will ensure continued provision of safe drinking water to all service area customers.

The Alabama Department of Environmental Management has determined that the project qualifies for a Categorical Exclusion (CE) from further environmental study under the guidelines specified by the State Environmental Review Process (SERP) which specifically include actions which are solely directed toward minor rehabilitation of existing facilities, functional replacement of equipment, or towards the construction of new ancillary facilities adjacent or appurtenant to existing facilities. However, this decision may be reconsidered if significant adverse information concerning potential environmental impacts of the project is discovered.

Comments relative to this project should be submitted in writing to Mr. John Laney, SRF Section, Permits and Services Division, Alabama Department of Environmental Management, Post Office Box 301463, Montgomery, Alabama 36130-1463, no later than 30 days after the date of public notice. The Alabama Department of Environmental Management will not take formal action to proceed with the project without carefully evaluating any public comments opposing the project.

Sincerely,

Lance LeFleur, Director
Alabama Department of Environmental Management

LRL/EJR/JWL/kbh Attachment



Birmingham Office
110 Vulcan Road
Birmingham, AL 35209-4702
(205) 942-6168
(205) 941-1603 (FAX)

Decatur Office
2715 Sandlin Road, S.W.
Decatur, AL 35603-1333
(256) 353-1713
(256) 340-9359 (FAX)

Coastal Office
1615 South Broad Street
Mobile, AL 36605
(251) 450-3400
(251) 479-2593 (FAX)

The Board of Water and Sewer Commissioners of the City of Mobile DWSRF#
FS010096-04

The Categorical Exclusion is promulgated in the State Environmental Review Process (SERP) in Part IV, Section C: Categorical Exclusions for Drinking Water State Revolving Fund Projects:(Italicized sections apply.)

1. The following drinking water projects are eligible for categorical exclusions:
 - a. *Actions intended solely for minor rehabilitation, functional replacement, or ancillary facilities adjacent or appurtenant to existing facilities.*
 - b. Minor construction, including:
 - (1) New wells or replacement wells for water supply purposes if ancillary to the existing system;
 - (2) Improvements not intended to increase capacity of the system;
 - (3) *Facilities for the disinfection of public water supplies;*
 - (4) Facilities such as looping that will result solely in the provision of adequate public water system pressure;
 - (5) Construction of water tanks;
 - (6) Construction of new water lines in previously disturbed areas within one mile of the existing distribution system.
 - c. *Projects where funding is being provided for planning and/or engineering costs only (in which case the requirements of IV.C.1.a-d do not apply).*
2. In order to determine if a drinking water project is eligible for a CE, all of the following must not apply:
 - a. The action is known or expected to directly or indirectly adversely impact any of the following:
 - (1) Cultural or historical resources;
 - (2) Endangered or Threatened Species and/or their critical habitats;
 - (3) Environmentally important natural resource areas such as floodplains, wetlands, prime agricultural land, or aquifer recharge zones.
 - b. The action is not cost effective.
 - c. The action will cause significant public controversy.
 - d. The action will create a new or expanded surface drinking water source.

This project complies with the above requirements and has been determined to be eligible for a Categorical Exclusion.

APPENDIX F

CONCURRENCE LETTERS

September 5, 2023

Master Plan SRF Water Phase II (Years 2024-2027) Loan Application

(Contract No. 1025601, Task No. 10)

Mr. John F. Rhodes
Executive Director
South Alabama Regional Planning Commission
P.O. Box 1665
Mobile, AL 36633

**RE: Master Plan SRF Water Projects Phase II – Years 2024-2027 -Loan Application
Intergovernmental Review**

Dear Mr. Rhodes:

The Board of Water and Sewer Commissioners of the City of Mobile, Alabama (MAWSS) is proposing to submit a Drinking Water State Revolving Fund (DWSRF) Loan Application for Phase II of their Master Plan (Years 2024-2027). We are forwarding project descriptions and maps for this application for an intergovernmental review on behalf of MAWSS. This work is currently proposed to be completed within the boundaries of the existing right of ways, properties and/or easements. If it is discovered in design additional area is needed, acquisition of necessary easements/property will occur. Two of the alternate projects may occur throughout MAWSS' water system but within the existing road right of ways or easements. Seven alternate projects are also included in the DWSRF Loan Application which will be used if funding becomes available or a critical need arises with one of these projects.

In accordance with the application, we are requesting that a response from your agency be provided in writing including any comments and concurrence with the proposed loan. Please direct your response to MAWSS, c/o Melinda Immel, P.E., Volkert, Inc., 1110 Montlimar Dr., Suite 1050, Mobile, AL, 36609, or by email at melinda.immel@volkert.com.

Please call me at (251) 680-9883 should you have any questions or require any additional information.

Sincerely,



Melinda Immel, P.E.

Enclosures

c Mr. Douglas Cote, P.E. – MAWSS
Mr. Marcus Stacey, P.E. - Volkert

Intergovernmental Review Procedures

Intergovernmental review of DWSRF funded projects is required pursuant to Executive Order 12372. To fulfill this requirement, the applicant is required to submit a copy of their DWSRF loan application to the following entities for review and comment. Responses from these entities indicating concurrence with the proposed project are required (in writing) and must be included with the DWSRF Loan Application:

Regional Planning Agency

Complete this form and transmit a copy of the DWSRF Application Form (Page 4 of this application) to your Regional Planning Agency.

A. Applicant Name and Address:

Board of Water and Sewer Commissioners
of the City of Mobile, AL (MAWSS)
P.O. Box 180249
Mobile, AL 36618-0249

B. Catalog of Federal Domestic Assistance Number and Title:

No. 66.468 - State Revolving Loan Program

C. Date Application Sent to ADEM:

Authorized Representative:

(Signature)

Master Plan SRF Water Projects Phase II - Years 2024-2027

1. Big Creek Lake Boom and Storage for Hazardous Spill Containment – Estimated Cost: \$500,000

Big Creek Lake is the drinking water source for the Cities of Mobile, Prichard and Spanish Fort. The purpose of this project is to store boom at strategic locations around the lake for quick deployment in the event of a hazardous material spill into the lake. The boom will help contain the spill in an effort to prevent the spill from reaching the intakes at the Galliard Pump Station.

2. Big Creek Lake Dam Toe of Berm Modifications – Estimated Cost: \$2 million

The purpose of this project is to increase the size of the toe of the berm for about 300 feet along the south side of the dam to provide additional protection from seepage and erosion under the dam and to further resist uplift pressures within the aforementioned length of the dam.

3. E.M. Stickney WTP Settling Basin Structural Rehab – Estimated Cost: \$1.5 million

The E.M. Stickney WTP, which was initially constructed in 1942 and increased in capacity in 1955 and 1976, is the primary of two WTPs in Mobile. It has a capacity to treat 60 mgd. Treated water from the plant is provided to the Cities of Mobile, Prichard and Spanish Fort. The plant's settling basins are reinforced concrete and have cracked and spalled overtime. General rehabilitation of the basins to seal them from leakage and prevent further deterioration is needed.

4. Big Creek Lake Early Contaminant Warning System – Estimated Cost: \$700,000

The Contaminant Warning System is a group of smart buoys containing instrumentation for sensing contaminants in the lake and sending alarms to operators when contaminants are present.

5. Stickney Filter Rehabilitation – Estimated Cost: \$17,736,000

The E.M. Stickney WTP, which was initially constructed in 1942 and increased in capacity in 1955 and 1976, is the primary of two WTPs in Mobile. It has a capacity to treat 60 mgd. Treated water from the plant is provided to the Cities of Mobile, Prichard and Spanish Fort. The aging plant needs filter rehabilitation which includes replacement of filter media, control panels, valves, actuators, alternate backwash water supply, etc.

6. Big Creek Lake Emergency By-Pass Connections – Estimated Cost \$500,000

Big Creek Lake is the drinking water source for the Cities of Mobile, Prichard and Spanish Fort. The by-pass connections make it possible for portable pumps to pump from the lake into the raw water force mains that feed the water treatment plants. This project is a contingency that will allow raw water from the lake to continue to be treated in the event the pumps station is rendered inoperable by hurricane, tornado, etc.

7. Stickney On-Site Hypochlorite Generation – Estimated Cost: \$8 million

The E.M. Stickney WTP, which was initially constructed in 1942 and increased in capacity in 1955 and 1976, is the primary of two WTPs in Mobile. It has a capacity to treat 60 mgd. Treated water from the plant is provided to the Cities of Mobile, Prichard and Spanish Fort. The plant is located at the intersection of Moffett Road and Shelton Beach Road, a densely populated area. The purpose of this project is to change the plant from Chlorine Dioxide use, a hazardous gas, to Sodium Hypochlorite generation. Sodium Hypochlorite is essentially bleach, a much safer alternative to Chlorine Dioxide for both the surrounding community and the treatment plant operators.

8. Myers WTP Filter Rehabilitation – Estimated Cost: \$14.5 million

The H.E. Myers WTP has a rated Capacity of 30 mgd. The plant went into operation in 1989. It was constructed to serve portions of West Mobile and provide a backup to the Stickney WTP. The Myers WTP needs filter rehabilitation which includes replacing filter media, controls, valves, actuators, media underdrains and adding an air scour system.

9. Replace Gaillard Pump Station Pumps, Valves, and Fittings – Estimated Cost: \$14 million

The pumps at the Gaillard Pump Station have reached the end of their useful life and need to be replaced. These pumps are critical, as they supply water from Big Creek Lake.

10. Stickney WTP Liquid Lime Facility Installation (alternate project) – Estimated Cost \$2 million

This project would replace the existing quicklime system with liquid lime. The existing quicklime system has several issues and needs to be overhauled (except for the new shaker). Liquid lime is a very pure product, readily available for injection, and is not likely to impact turbidity. Liquid lime systems tend to be more maintenance friendly than quicklime systems.

11. Stickney WTP Redundant Solids Clarifier (alternate project) – Estimated Cost \$3 million

Installation of a redundant clarifier would provide a more robust solids handling system that can continue to operate when the existing duty clarifier is undergoing maintenance or provide additional storage in the event that solids cannot be pumped to the Myers WTP.

12. Various Critical Valve replacements in Distribution System (alternate project) – funding TBD

This project would replace various critical valves throughout the MAWSS water distribution system.

13. Various Water Main Replacements (alternate project) – funding TBD

This project would replace various water mains throughout the MAWSS water distribution system.

14. Water Treatment Plant Security Upgrades (alternate project) – funding TBD

This project would fund security upgrades at the Stickney and/or Myers Water Treatment Plants.

15. Secondary Raw Water Source Treatment and Conveyance Systems (alternate project) – funding TBD

This project would fund the required testing to permit the Mobile River as a secondary source of raw water for treatment at the Stickney WTP. This project would also involve infrastructure improvements necessary to pump raw water to the Stickney WTP.

16. Water Treatment Plant Paving (alternate project) – funding TBD

This project would fund paving work at the Stickney and/or Myers Water Treatment Plants.



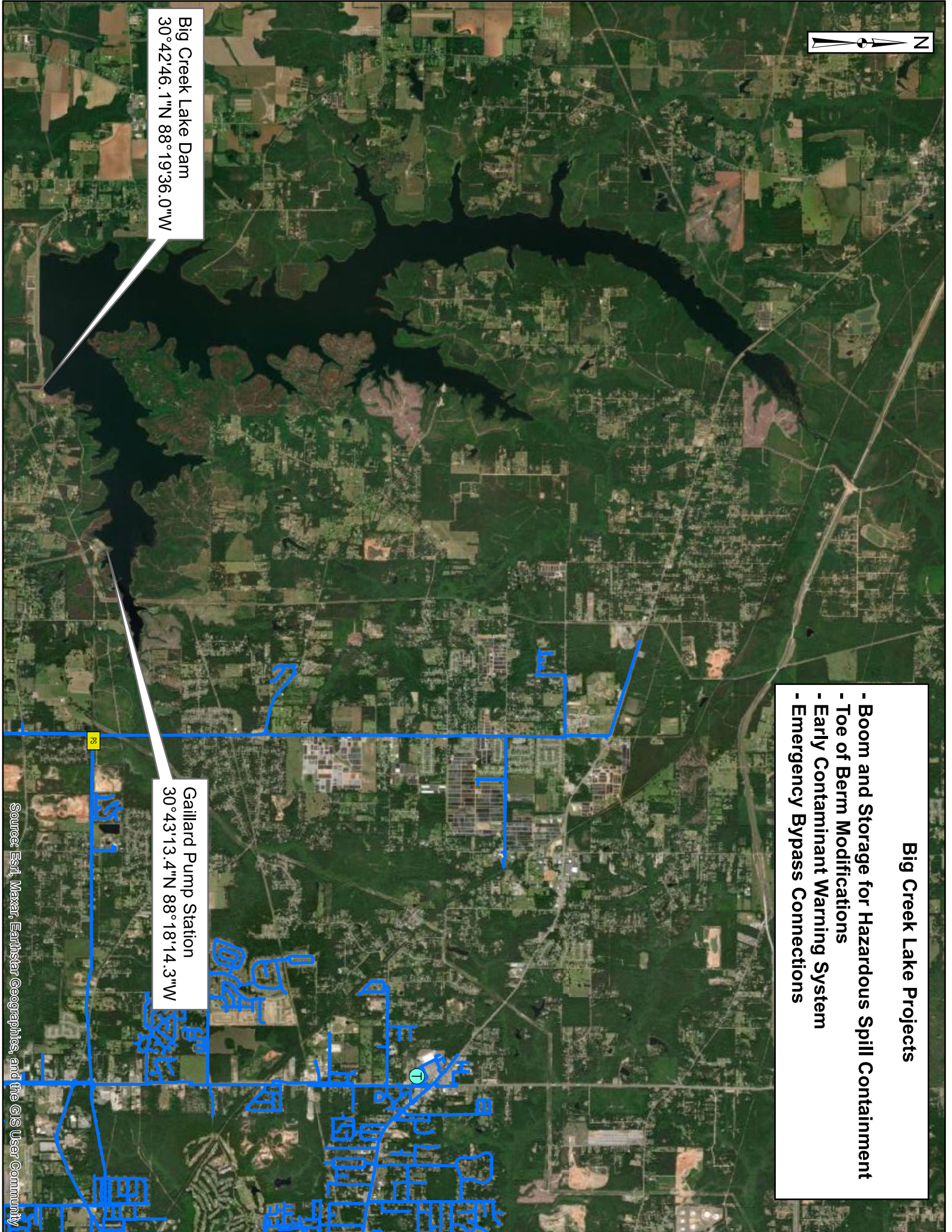
Big Creek Lake Dam
30°42'46.1"N 88°19'36.0"W

- Boom and Storage for Hazardous Spill Containment
- Toe of Berm Modifications
- Early Contaminant Warning System
- Emergency Bypass Connections

Big Creek Lake Projects

Galliard Pump Station
30°43'13.4"N 88°18'14.3"W

RS





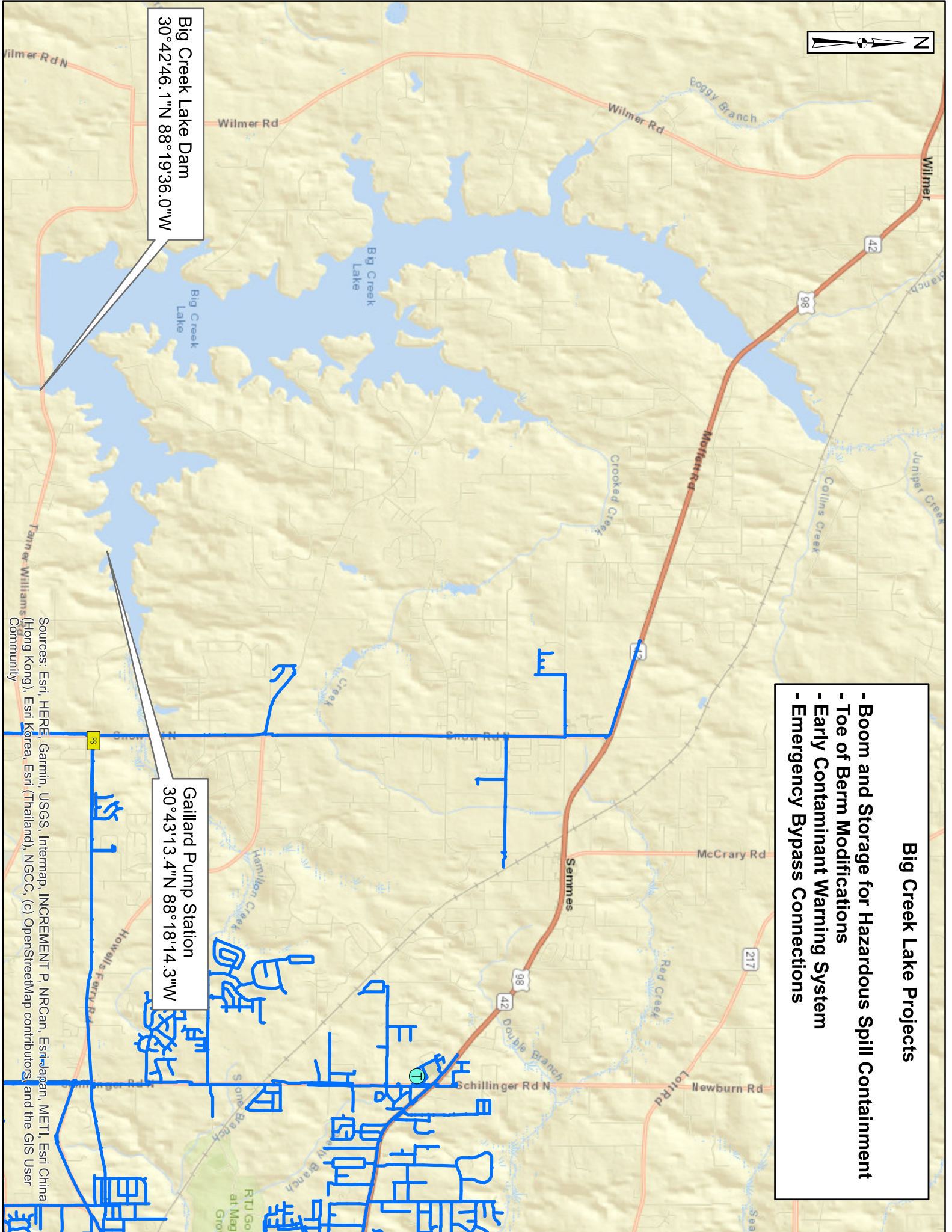
Big Creek Lake Projects

- Boom and Storage for Hazardous Spill Containment
- Toe of Berm Modifications
- Early Contaminant Warning System
- Emergency Bypass Connections

Big Creek Lake Dam
30°42'46.1"N 88°19'36.0"W

Galliard Pump Station
30°43'13.4"N 88°18'14.3"W

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri-Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



- ### E.M. Stickney Water Treatment Plant Projects
- Settling Basin Structural Rehab
 - Filter Rehabilitation and SCADA
 - On-Site Hypochlorite Generation
 - Liquid Lime Facility Installation (alternate)
 - Redundant Solids Clarifier (alternate)
 - Security Upgrades (alternate)
 - Paving (alternate)

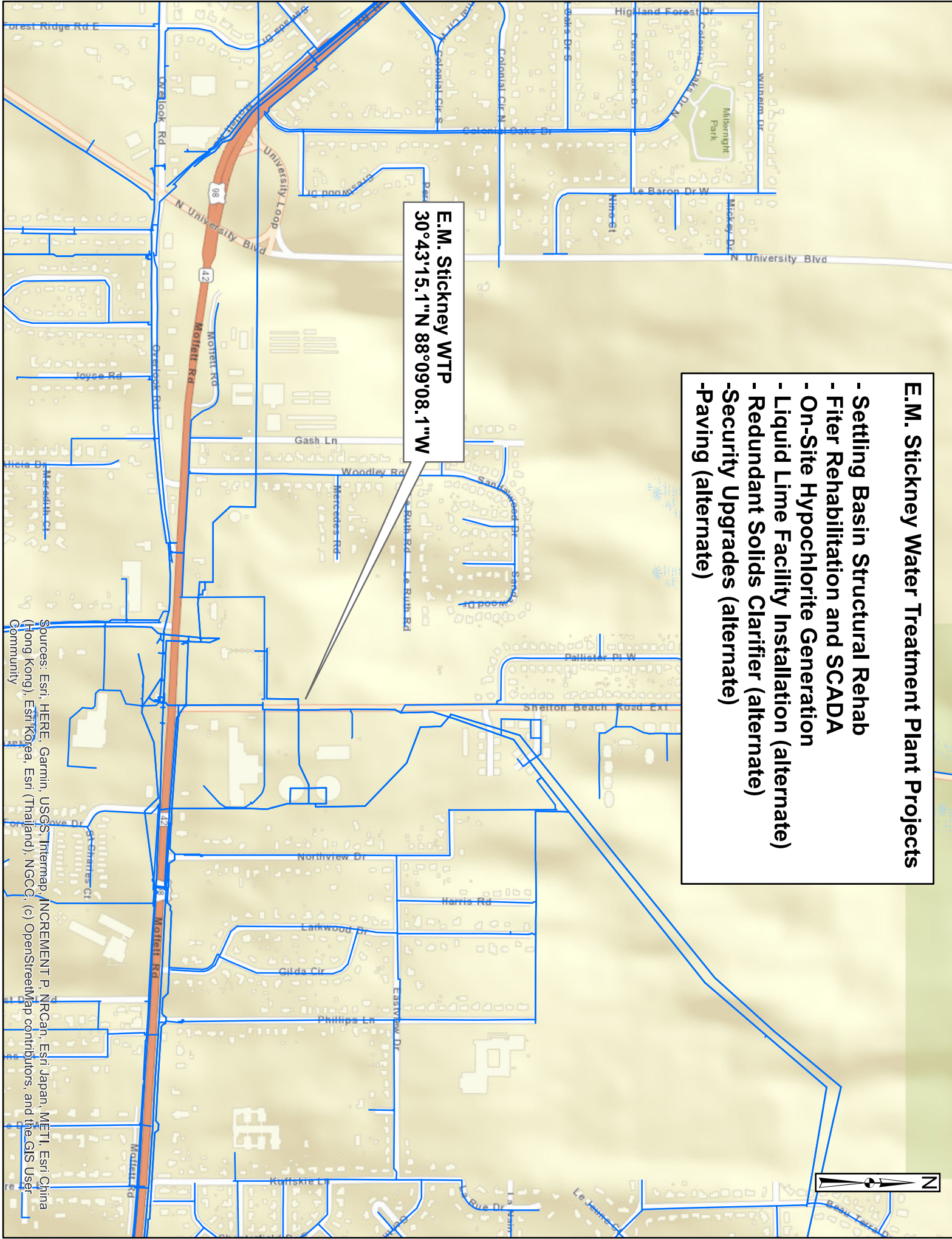
E.M. Stickney WTP
30°43'15.1"N 88°09'08.1"W



E.M. Stickney Water Treatment Plant Projects

- Settling Basin Structural Rehab
- Filter Rehabilitation and SCADA
- On-Site Hypochlorite Generation
- Liquid Lime Facility Installation (alternate)
- Redundant Solids Clarifier (alternate)
- Security Upgrades (alternate)
- Paving (alternate)

E.M. Stickney WTP
30°43'15.1"N 88°09'08.1"W



Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



H.E. Myers Water Treatment Plant Projects
-Filter Rehabilitation
-Security Upgrades (alternate)
-Paving (alternate)

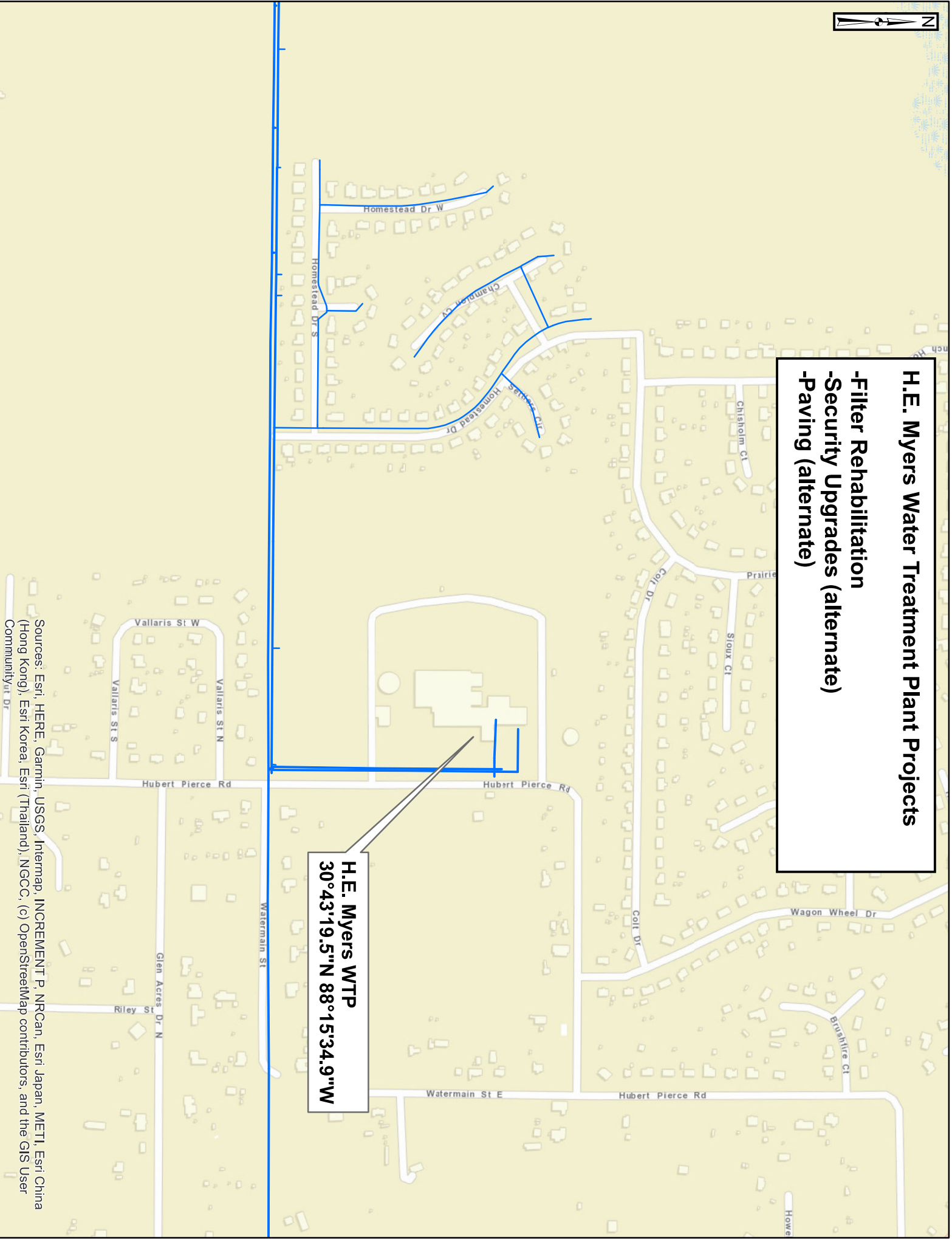
H.E. Myers WTP
30°43'19.5"N 88°15'34.9"W





H.E. Myers Water Treatment Plant Projects
-Filter Rehabilitation
-Security Upgrades (alternate)
-Paving (alternate)

H.E. Myers WTP
30°43'19.5"N 88°15'34.9"W

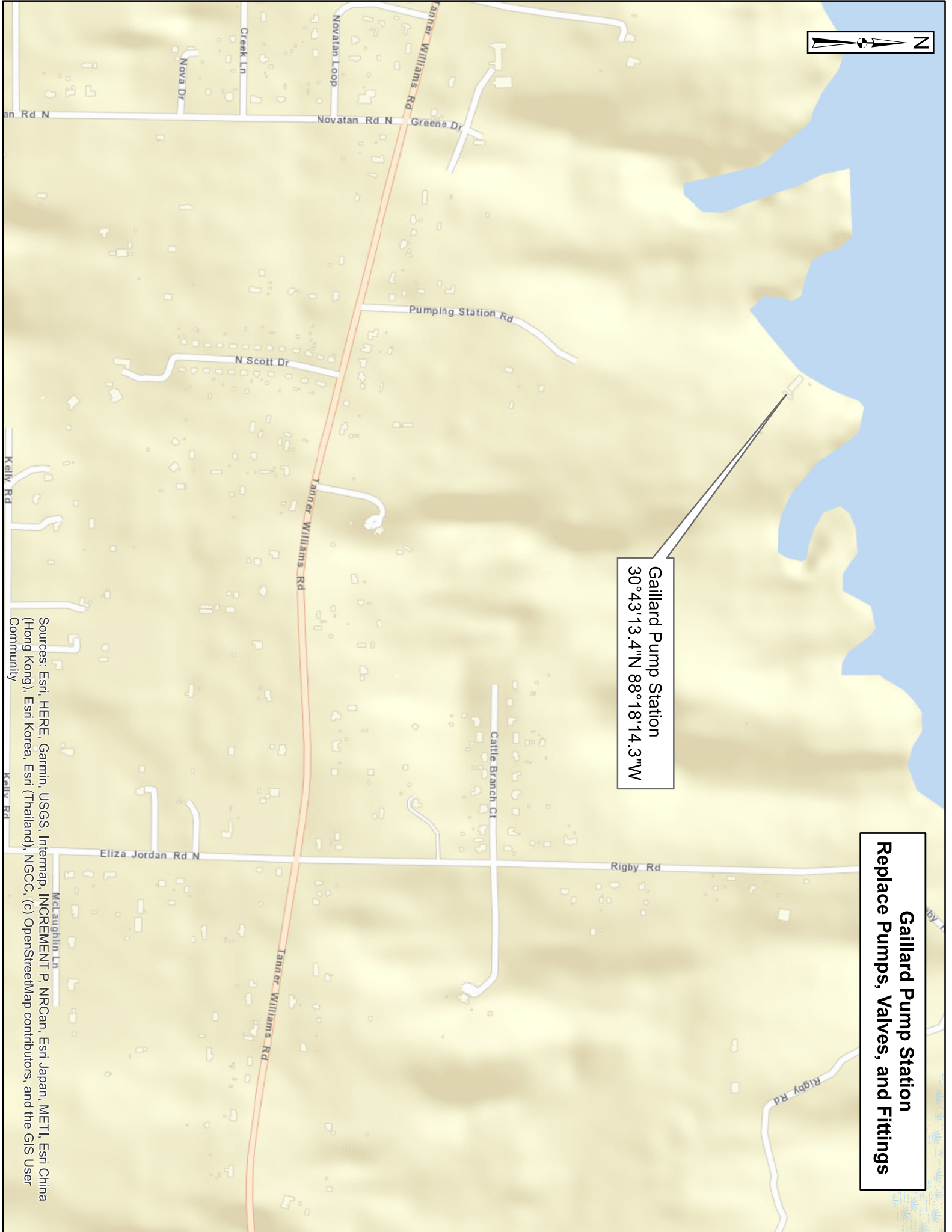


Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



**Gaillard Pump Station
Replace Pumps, Valves, and Fittings**

Gaillard Pump Station
30°43'13.4"N 88°18'14.3"W

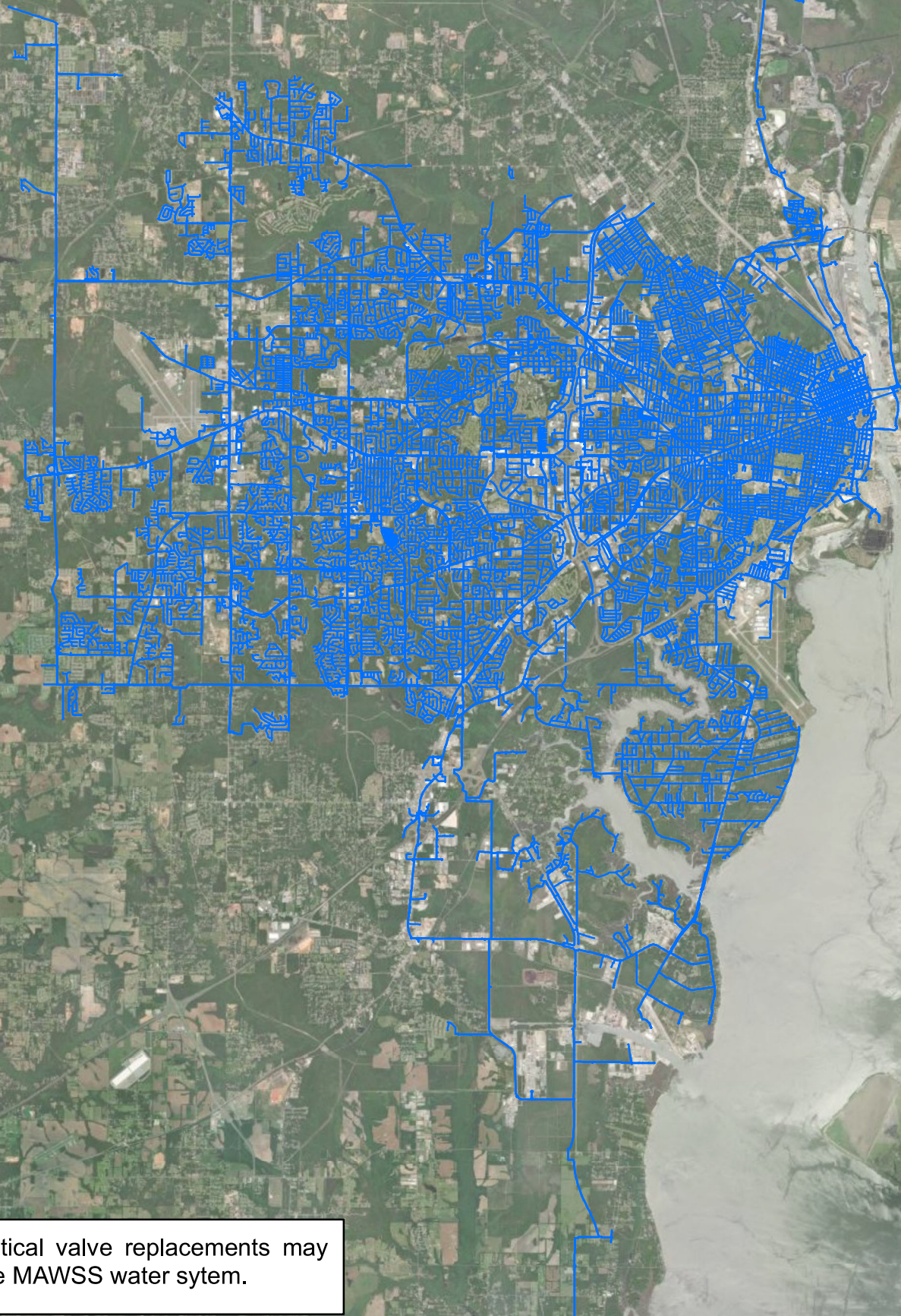


Gaillard Pump Station
30°43'13.4"N 88°18'14.3"W

Gaillard Pump Station
Replace Pumps, Valves, and Fittings

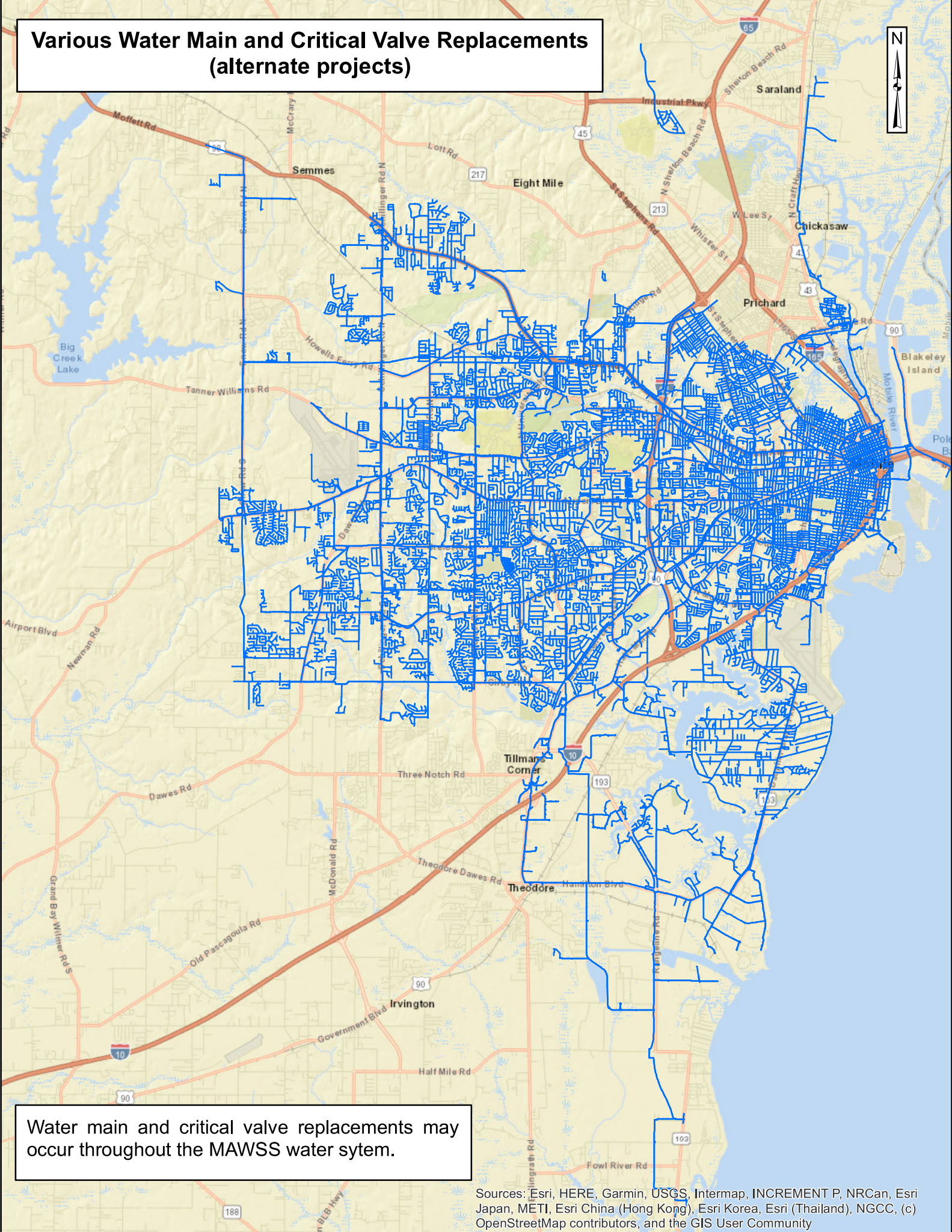
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

**Various Water Main and Critical Valve Replacements
(alternate projects)**



Water main and critical valve replacements may occur throughout the MAWSS water system.

Various Water Main and Critical Valve Replacements (alternate projects)



Water main and critical valve replacements may occur throughout the MAWSS water system.

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

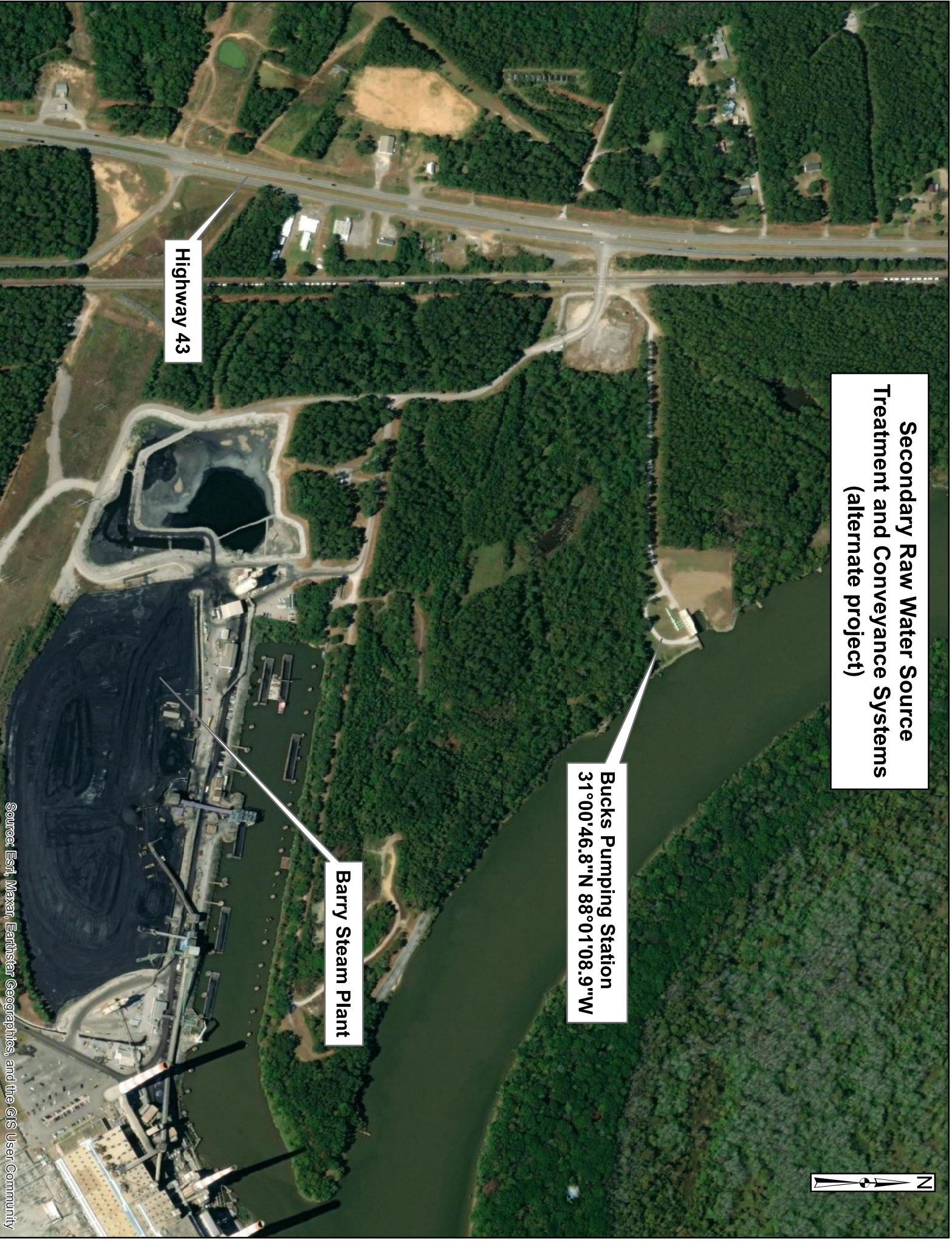
**Secondary Raw Water Source
Treatment and Conveyance Systems
(alternate project)**



Bucks Pumping Station
31°00'46.8"N 88°01'08.9"W

Barry Steam Plant

Highway 43



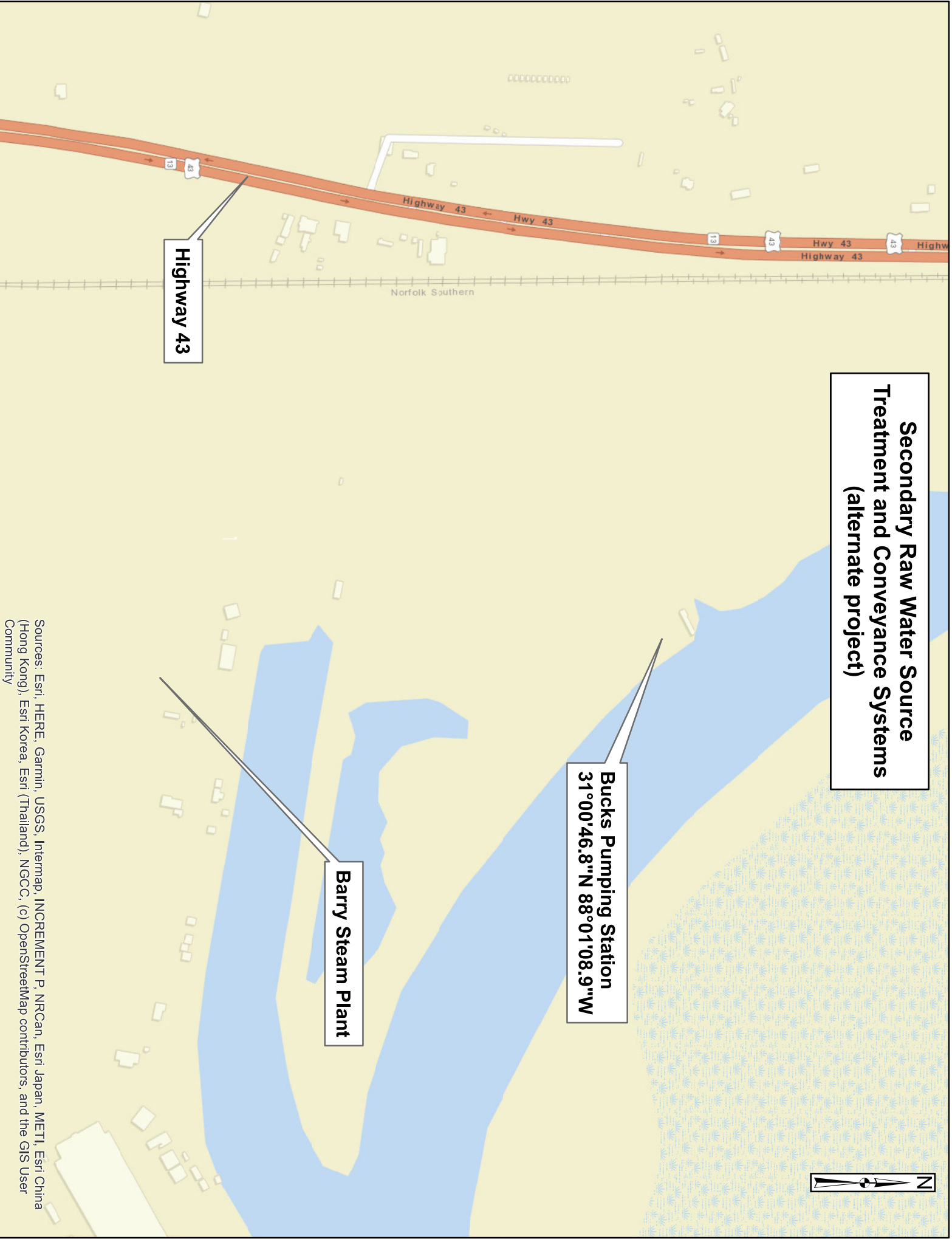
**Secondary Raw Water Source
Treatment and Conveyance Systems
(alternate project)**



Bucks Pumping Station
31°00'46.8"N 88°01'08.9"W

Barry Steam Plant

Highway 43



Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



South Alabama Regional Planning Commission

William S. Stimpson, Chairman • Charles H. Murphy, Vice-Chairman
James R. Staff, Secretary - Treasurer • John F. Rhodes, Executive Director

September 7, 2023

Melinda Immel, PE
VOLKERT, INC.
1110 Montlimar Drive, Suite 1050
Mobile, AL 36609

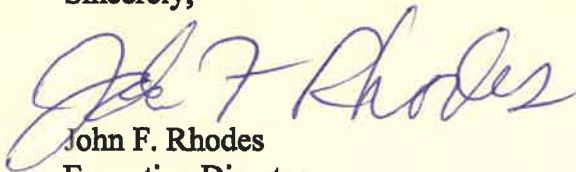
RE: Master Plan SRF Water Projects Phase II
Years 2024-2027 Loan Application
City of Mobile, AL (MAWSS)
Internal SARPC Project Review Control No. 23-04

Dear Ms. Immel:

In response to the request for a review of this project, attached please find the completed review sheet. This review sheet need not be included in the project application packet (i.e., the Standard Form 424 with supporting documentation).

If you have any questions in this regard or require additional information, please give me a call.

Sincerely,



John F. Rhodes
Executive Director

/gwc

Enclosure

SOUTH ALABAMA REGIONAL PLANNING COMMISSION

PROJECT REVIEW SHEET

INTERNAL SARPC PROJECT CONTROL NO.: 23-04

REQUESTING AGENCY: VOLKERT, Inc.

PROJECT: Master Plan SRF Water Projects Phase II
Years 2024-2027 Loan Application
City of Mobile, AL (MAWSS)

Internal SARPC Project Review Control No. 23-04

COMMENTS: (Check one)

Does Not Apply _____

Concur _____

No Objection _____

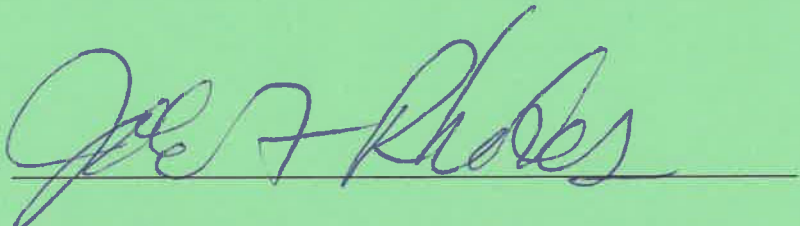
Concur Contingent Upon (Explain Below) _____

Need More Information (Explain Below) _____

Cannot Concur (Explain Below) _____

EXPLANATION:

REVIEWER SIGNATURE:



South Alabama Regional Planning Commission
P.O. Box 1665
Mobile, AL 36633

September 9, 2023

MAWSS Master Plan Phase 2 DWSRF Loan Application – Big Creek Lake Projects

(Contract No. 1025601, Task 10)

Ms. Lee Anne Wofford
Deputy SHPO
Alabama Historical Commission
Attn: Section 106 Review
468 South Perry Street
Montgomery, Alabama 36130-0900

RE: DWSRF Loan Application Intergovernmental Review

Dear Ms. Wofford:

The Board of Water and Sewer Commissioners of the City of Mobile, Alabama (MAWSS) is proposing to submit a Drinking Water State Revolving Fund (DWSRF) Loan Application to fund various water infrastructure improvements as part of Phase 2 of their Master Plan. Three of the projects included in this application involve Big Creek Lake, the drinking water source for the cities of Mobile, Prichard, and Spanish Fort. Two of the projects involve the pumps at the Gaillard Pump Station. The Gaillard projects would occur within the boundaries of the existing pump station site. Please see the project descriptions below.

Big Creek Lake Boom and Storage for Hazardous Spill Containment

Big Creek Lake is the drinking water source for the Cities of Mobile, Prichard and Spanish Fort. The purpose of this project is to store boom at strategic locations around the lake for quick deployment in the event of a hazardous material spill into the lake. The boom will help contain the spill in an effort to prevent the spill from reaching the intakes at the Galliard Pump Station.

Big Creek Lake Dam Toe of Berm Modifications

The purpose of this project is to increase the size of the toe of the berm for about 300 feet along the south side of the dam to provide additional protection from seepage and erosion under the dam and to further resist uplift pressures within the aforementioned length of the dam.

Big Creek Lake Early Contaminant Warning System

The Contaminant Warning System is a group of smart buoys containing instrumentation for sensing contaminants in the lake and sending alarms to operators when contaminants are present.

Big Creek Lake Emergency By-Pass Connections

Big Creek Lake is the drinking water source for the Cities of Mobile, Prichard and Spanish Fort. The by-pass connections make it possible for portable pumps to pump from the lake into the raw water force mains that feed the water treatment plants. This project is a contingency that will allow raw water from the lake to continue to be treated in the event the pumps station is rendered inoperable by hurricane, tornado, etc.

Replace Gaillard Pump Station Pumps, Valves, and Fittings

The pumps at the Gaillard Pump Station have reached the end of their useful life and need to be replaced. These pumps are critical, as they supply water from Big Creek Lake.

In accordance with the application, we are requesting that a response from your agency be provided in writing including any comments and concurrence with the proposed loans. Please direct your response to MAWSS, c/o Marcus Stacey, P.E., Volkert, Inc., 1110 Montlimar Dr., Suite 1050, Mobile, AL, 36609, or by email at marcus.stacey@volkert.com.

Please call either Marcus Stacey at (251) 599-1974 or me at (251) 680-9883 should you have any questions or require any additional information.

Sincerely,



Melinda D. Immel, P.E.
Assistant Vice President

Enclosures



ALABAMA HISTORICAL COMMISSION
STATE HISTORIC PRESERVATION OFFICE
SECTION 106 PROJECT REVIEW CONSULTATION FORM

Federal laws exist to ensure that federal agencies or their designated applicants carefully consider historic preservation in federally funded, licensed, or permitted projects. Section 106 of the National Historic Preservation Act of 1966, as amended directs this review. <http://www.achp.gov/106summary.html>. At a minimum, submission of this completed form and attachments constitutes a request for review by the Alabama Historical Commission, which is the Alabama State Historic Preservation Office (SHPO). **The responsibility for preparing documentation, including the identification of archaeological and architectural properties and the assessment of potential effects resulting from the project, rests with the federal or state agency, or its designated applicant.** The role of the Alabama SHPO is to review, comment, and consult with federal/state agencies or their designees. The Alabama SHPO's ability to complete a timely project review largely depends on the quality of the material submitted. Some applicants may find it advantageous to hire a professional consultant with expertise in archaeology, history and/or architectural history.

PROJECT NAME

MAWSS DWSRF Master Plan Ph II Loan Application - Big Creek Lake Projects

FEDERAL AGENCY PROVIDING FUNDS, LICENSE, OR PERMIT

EPA

FEDERAL PROJECT NUMBER

FEDERAL AGENCY CONTACT NAME AND E-MAIL/PHONE NUMBER

STATE AGENCY PROVIDING FUNDS, LICENSE, OR PERMIT (IF APPLICABLE)

ADEM - SRF Division

STATE AGENCY CONTACT NAME AND E-MAIL ADDRESS, PHONE NUMBER, MAILING ADDRESS

John Laney, john.laney@adem.alabama.gov, 334-271-7727, P.O. Box 301463, Montgomery, AL 36130-1463

AHC NUMBER (If project has been previously submitted)

APPLICANT NAME:

Bpard of Water & Sewer Commissioners of the City of Mobile, AL (MAWSS)

APPLICANT MAILING ADDRESS:

P.O. Box 180249 (4725 Moffett Road) Mobile, AL 36618-0249

APPLICANT TELEPHONE:

251-694-3187

APPLICANT EMAIL:

dcote@mawss.com

CONTACT NAME (if different than applicant):

Doug Cote, Assistance Director - Plant Operations

CONTACT MAILING ADDRESS:

P.O. Box 180249 (4725 Moffett Road) Mobile, AL 36618-0249

CONTACT TELEPHONE:

251-694-3187

CONTACT EMAIL (Person to whom AHC should email response letter):

marcus.stacey@volkert.com

CONTRACTOR TYPE: ARCHAEOLOGIST; ARCHITECTURAL HISTORIAN; NONE; OTHER:

CONTRACTOR NAME:

Volkert, Inc.

CONTRACTOR MAILING ADDRESS:

1110 Montlimar Drive, Suite 1050, Mobile AL 36609

CONTRACTOR TELEPHONE:

251-599-1974

CONTRACTOR EMAIL:

marcus.stacey@volkert.com

PROJECT LOCATION	
STREET ADDRESS 1450 Pumping Station Road (Gaillard Pump Station Location)	CITY Mobile
COUNTY Mobile	ZIP CODE 36608
LATITUDE / LONGITUDE: USE DECIMAL DEGREES EXAMPLE: 32.3722N, -86.3083W 30.7204N, 88.3040 W (Gaillard PS)	

PROJECT DESCRIPTION

Will the project involve any of the following? Check all that apply.

- exterior rehabilitation work;
- interior rehabilitation work;
- cellular equipment located on buildings;
- streetscapes/sidewalks/lighting;
- new construction; and/or
- demolition

Describe the overall project in DETAIL. Be sure to describe any items checked above. Use additional pages if necessary.

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Big Creek Lake Emergency By-Pass Connections
Big Creek Lake is the drinking water source for the Cities of Mobile, Prichard and Spanish Fort. The by-pass connections make it possible for portable pumps to pump from the lake into the raw water force mains that feed the water treatment plants. This project is a contingency that will allow raw water from the lake to continue to be treated in the event the pumps station is rendered inoperable by hurricane, tornado, etc.

Replace Gaillard Pump Station Pumps, Valves, and Fittings
The pumps at the Gaillard Pump Station have reached the end of their useful life and need to be replaced. These pumps are critical, as the supply water from Big Creek Lake.

AREA OF POTENTIAL EFFECT (APE)

The APE varies with project types and can be direct or indirect (physical, visual, auditory, etc.). The APE is defined as “the geographic area or areas within which an undertaking may cause changes in the character of use of historic properties, if any such properties exist.” Factors to consider when determining the APE include; topography, vegetation, existing development, orientation of an existing resource to the project, physical siting of a resource, and existing and planned future development. For example:

- 1) Rehabilitation, renovation, and/or demolition of a historic building or structure, or new construction: the APE might include the building itself and the adjacent setting.
- 2) Streetscapes: the APE might include the viewshed from the street.
- 3) Pedestrian/bicycle facilities: the APE might extend the length of the corridor and for some distance on both sides of the corridor.
- 4) Underground utilities: the APE would usually be limited to the area of ground disturbance.

Attach a map indicating the precise location of the project and the boundaries of the APE, preferably a clear color copy of a USGS topographic quadrangle map (7.5 minute). For projects in urban areas, also include a city map that shows more detail. USGS topographic maps can be printed from this website: <https://ngmdb.usgs.gov/topoview/viewer/>. City maps can be printed using www.google.com/maps.

Provide current, high resolution color photographs that illustrate the project area and the entire APE as defined above.

ARCHAEOLOGY (Ground Disturbing Activities)

Has the ground in the project area been disturbed other than by agriculture (i.e. grading, grubbing, clear cutting, filling, etc.)?

Yes No Don't know N/A

If yes, describe in detail. Use additional pages as necessary. Photographs are helpful.

The projects are either replacing/improving existing infrastructure within previously disturbed areas, being constructed adjacent to existing raw water lines in existing easements/right of ways, or are proposed to be utilized on Big Creek Lake to protect the water supply.

Describe the present use and condition of the property. Use additional pages as necessary.

The areas of proposed work are currently being utilized in supplying water. Big Creek Lake is the drinking water source for the Cities of Mobile, Prichard and Spanish Fort.

To your knowledge, has a Cultural Resource Assessment (CRA) been conducted in the proposed project area?

Yes No Don't know N/A

If yes, attach a copy of the cultural resources assessment report.

ARCHITECTURAL INFORMATION

Above-ground properties within the Area of Potential Effect (APE) should be evaluated for the eligibility for the National Register of Historic Places. It is the federal agency's (or their designee) responsibility to identify properties in the APE, apply the National Register (NR) criteria, and determine whether a property is eligible or not. Those determinations are sent to our office for review and comment. All properties evaluated should be accompanied by current photographs, and these locations should be keyed to a good quality USGS topographic map. Some applicants may find it advantageous to hire a historic preservation professional with expertise in history and/or architectural history to complete the identification and evaluation of historic properties. The Alabama Historical Commission publishes a GIS map of properties that have been documented by or through our office. The map includes properties listed in the National Register of Historic Places, Alabama Register of Landmarks & Heritage, Alabama Historic Cemetery Register, county architectural surveys, and other files. The GIS map can be accessed here: <https://ahc.alabama.gov/historicpreservationmap.aspx> The GIS map should function as a research tool, not an up-to-the-minute inventory about every historic and/or architecturally significant property in the state. This tool allows researchers to investigate and review potentially significant properties according to the best data that is available in the Alabama Historical Commission's files. The absence of a property from the map does not imply that an unidentified property lacks historic or architectural importance.

I) Within the APE, are there properties listed in or eligible for the National Register of Historic Places?

YES If yes, identify the properties by name, address, and photo number.

NO If no, identify the properties by name, address, and photo number. Provide an explanation as to why properties identified are not eligible for the National Register. A discussion of the National Register seven aspects of integrity and the applicable National Register criteria must be included. Refer to the National Park Service's website: https://www.nps.gov/subjects/nationalregister/upload/NRB-15_web508.pdf Use additional pages as necessary.

The proposed work will occur on/adjacent to Big Creek Lake, at existing infrastructure facilities and/or within existing road right of ways/easements.

EFFECTS DETERMINATION

An effect occurs when an action alters the characteristics of a property that may qualify it for the National Register of Historic Places. How will this project affect any of the properties identified in the previous section? Will the project take away or change anything within the boundaries of a historic property? Will the project change the view from or the view to any historic properties? Will the project introduce any audible or atmospheric elements? Will the project result in the transfer, lease, or sale of any of the identified properties? Use additional sheets as necessary.

The projects will replace/improve existing infrastructure or install necessary measures to protect the water source on Big Creek Lake. There should be no impact to any historic properties.

CHECKLIST: Did you provide the following information?

<input checked="" type="checkbox"/> Completed form.	<input type="checkbox"/> Photographs* of current site conditions and all identified historic properties keyed to a site map.
<input checked="" type="checkbox"/> Maps with project area, APE, and any historic properties marked and identified.	<input type="checkbox"/> For new construction, rehabilitations, etc., attach work plans, drawings, etc.
<input type="checkbox"/> Other supporting documents (if necessary to explain the project).	<input type="checkbox"/> Description of present use and condition of the project area.

*A note about photographs: Digital photos must be current, high resolution, and adequately show the resource. Take photographs of the overall property and the exterior of each building on the property, including outbuildings. Include views of the overall setting, views of the building in its immediate surrounding showing the relationship of the building to neighboring buildings, and views of significant landscape features (i.e. tree lined approaches, stone walls, formal gardens, etc.). Exterior views of the building should include full views of each side (if possible) and views of important architectural details. Key all photographs to a site map.

If the project involves rehabilitation, include photographs of the building(s) involved and especially the areas of the building slated for rehab work. Label each exterior view to a site map and label all interior views. If the project involves new construction, include photographs of the surrounding area looking out from the project site. Include photographs of any buildings that are located on the project property or on adjoining property.

NOTE: Section 106 regulations provide for a 30-day response time by the Alabama SHPO from the date of receipt. Project activities may not begin until our office has reviewed this information and issued comments.

Upon receipt, applications and attachments become the property of the State of Alabama.

For questions regarding this form or the Section 106 Review Process, contact Amanda McBride, Section 106 Coordinator, at 334.230.2692 or Amanda.McBride@ahc.alabama.gov.

All projects must be submitted digitally

E-mail this form and supporting documents to Section.106@ahc.alabama.gov This is the only approved e-mail address for project submission. Projects sent to any other e-mail address will not be accepted. The attachment size cannot exceed 19 MB. Alternatively, you may submit projects with larger attachments through an online system to be determined by the AHC.

Please limit your submission to cultural resources information only.

Contact Amanda McBride for any questions on digital submissions



Big Creek Lake Projects

- Boom and Storage for Hazardous Spill Containment
- Toe of Berm Modifications
- Early Contaminant Warning System
- Emergency Bypass Connections

Big Creek Lake Dam
30°42'46.1"N 88°19'36.0"W

Galliard Pump Station
30°43'13.4"N 88°18'14.3"W

RS



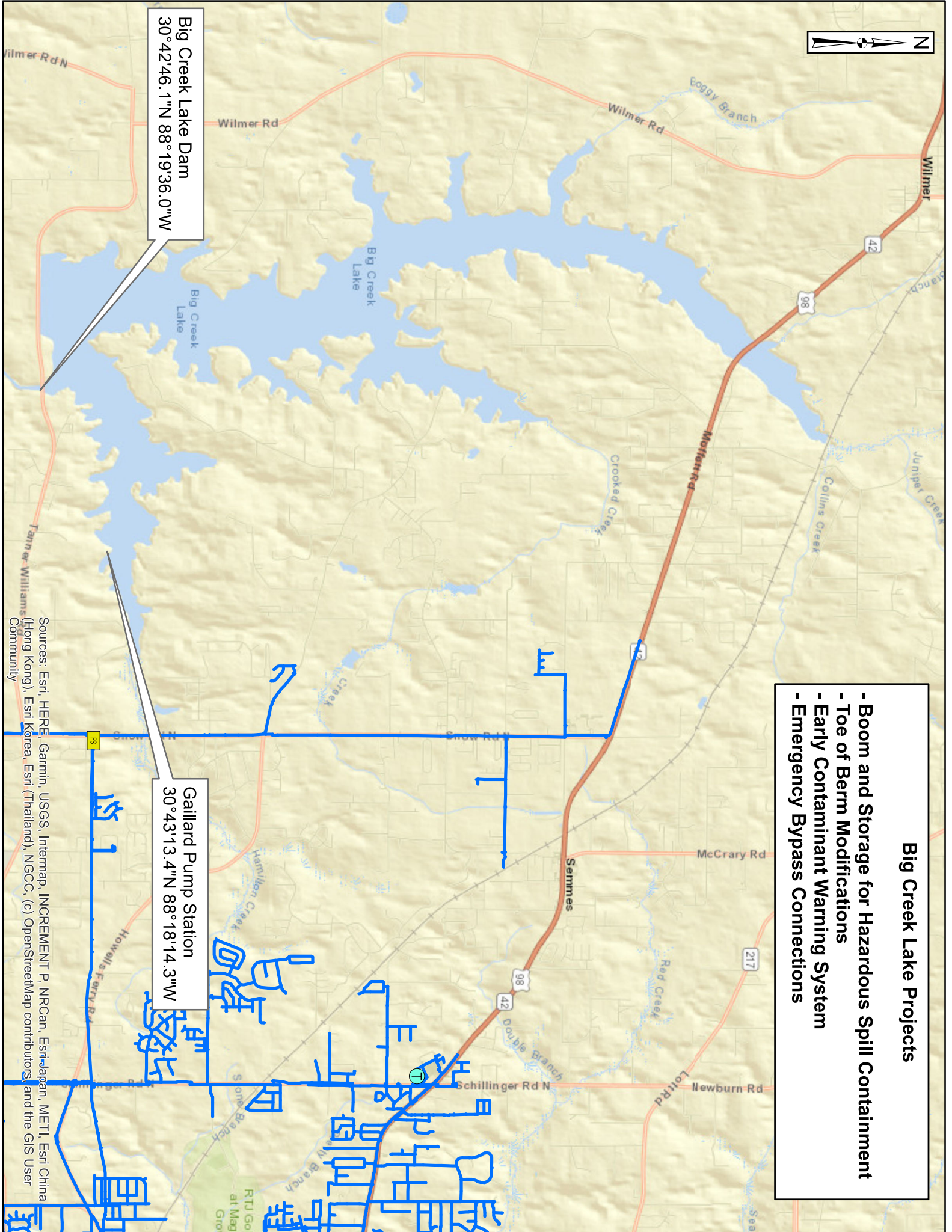
Big Creek Lake Projects

- Boom and Storage for Hazardous Spill Containment
- Toe of Berm Modifications
- Early Contaminant Warning System
- Emergency Bypass Connections

Big Creek Lake Dam
 30°42'46.1"N 88°19'36.0"W

Gallard Pump Station
 30°43'13.4"N 88°18'14.3"W

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri-Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community





ALABAMA HISTORICAL COMMISSION

468 South Perry Street
Montgomery, Alabama 36130-0900

Lisa D. Jones
Executive Director
State Historic Preservation Officer

Tel: 334-242-3184
Fax: 334-242-1083

September 19, 2023

Doug Cote
P.O. Box 180249
Mobile, AL 36618-0249

Re: AHC 23-1286
MAWSS DWSRF Master Plan Ph II Loan Application - Big Creek Lake Projects
Mobile County

Dear Mr. Cote:

Upon review of the material submitted to our office for the above referenced project, we find that your submission did not contain sufficient information for our office to complete our review. Please forward a detailed scope of work for each action. Describe how the work will be accomplished, including any ground disturbance.

We appreciate your commitment to helping us preserve Alabama's historic archaeological and architectural resources. Should you have any questions, please contact Amanda McBride at 334.230.2692 or Amanda.McBride@ahc.alabama.gov. Have the AHC tracking number referenced above available and include it with any future correspondence.

Sincerely,

A handwritten signature in blue ink that reads "Lee Anne Wofford".

Lee Anne Wofford
Deputy State Historic Preservation Officer

LAW/EDS/law



ALABAMA HISTORICAL COMMISSION

468 South Perry Street
Montgomery, Alabama 36130-0900

Lisa D. Jones
Executive Director
State Historic Preservation Officer

Tel: 334-242-3184
Fax: 334-242-1083

December 4, 2023

Doug Cote
P.O. Box 180249
Mobile, AL 36618-0249

Re: AHC 23-1286
MAWSS DWSRF Master Plan Ph II Loan Application - Big Creek Lake Projects
Mobile County

Dear Mr. Cote:

Upon review of additional information, we agree that the proposed projects will have no effect on historic properties provided any fill material is sourced from a pre-approved, existing borrow area.

Consultation with the State Historic Preservation Office does not constitute consultation with Tribal Historic Preservation Offices, other Native American tribes, local governments, or the public. If archaeological materials are encountered during construction, the procedures codified at 36 CFR 800.13(b) will apply. Archaeological materials consist of any items, fifty years old or older, which were made or used by man. These items include but are not limited to, stone projectile points (arrowheads), ceramic sherds, bricks, worked wood, bone and stone, metal, and glass objects. The federal agency or the applicant receiving federal assistance should contact our office immediately. If human remains are encountered, the provisions of the Alabama Burial Act (Code of Alabama 1975, §13A-7-23.1, as amended; Alabama Historical Commission Administrative Code Chapter 460-X-10 Burials) should be followed. This stipulation shall be placed on the construction plans to ensure contractors are aware of it.

We appreciate your commitment to helping us preserve Alabama's historic archaeological and architectural resources. Should you have any questions, please contact Amanda McBride at 334.230.2692 or Amanda.McBride@ahc.alabama.gov. Have the AHC tracking number referenced above available and include it with any future correspondence.

Sincerely,

A handwritten signature in blue ink that reads "Lee Anne Hewett".

Lee Anne Hewett
Deputy State Historic Preservation Officer

LAH/EDS/lah

September 9, 2023

MAWSS Master Plan Phase 2 DWSRF Loan Application – Myers WTP Projects
(Contract No. 1025601, Task 10)

Ms. Lee Anne Wofford
Deputy SHPO
Alabama Historical Commission
Attn: Section 106 Review
468 South Perry Street
Montgomery, Alabama 36130-0900

RE: DWSRF Loan Application Intergovernmental Review

Dear Ms. Wofford:

The Board of Water and Sewer Commissioners of the City of Mobile, Alabama (MAWSS) is proposing to submit a Drinking Water State Revolving Fund (DWSRF) Loan Application to fund various water infrastructure improvements as part of Phase 2 of their Master Plan. Three projects at the Myers Water Treatment Plant will be included in this application, with two identified as alternate projects. Please see the project descriptions below. Work for these projects is currently proposed to be completed within the boundaries of the existing fence.

Myers WTP Filter Rehabilitation - The H.E. Myers WTP has a rated Capacity of 30 mgd. The plant went into operation in 1989. It was constructed to serve portions of West Mobile and provide a backup to the Stickney WTP. The Myers WTP needs filter rehabilitation which includes replacing filter media, controls, valves, actuators, media underdrains and adding an air scour system.

Water Treatment Plant Security Upgrades (alternate project) - This project would fund security upgrades at the Stickney and/or Myers Water Treatment Plants.

Water Treatment Plant Paving (alternate project) - This project would fund paving work at the Stickney and/or Myers Water Treatment Plants.

In accordance with the application, we are requesting that a response from your agency be provided in writing including any comments and concurrence with the proposed loans. Please direct your response to MAWSS, c/o Marcus Stacey, P.E., Volkert, Inc., 1110 Montlimar Dr., Suite 1050, Mobile, AL, 36609, or by email at marcus.stacey@volkert.com.

Please call either Marcus Stacey at (251) 599-1974 or me at (251) 680-9883 should you have any questions or require any additional information.

Sincerely,



Melinda D. Immel, P.E.
Assistant Vice President

Enclosures



ALABAMA HISTORICAL COMMISSION
 STATE HISTORIC PRESERVATION OFFICE
SECTION 106 PROJECT REVIEW CONSULTATION FORM

Federal laws exist to ensure that federal agencies or their designated applicants carefully consider historic preservation in federally funded, licensed, or permitted projects. Section 106 of the National Historic Preservation Act of 1966, as amended directs this review. <http://www.achp.gov/106summary.html>. At a minimum, submission of this completed form and attachments constitutes a request for review by the Alabama Historical Commission, which is the Alabama State Historic Preservation Office (SHPO). **The responsibility for preparing documentation, including the identification of archaeological and architectural properties and the assessment of potential effects resulting from the project, rests with the federal or state agency, or its designated applicant.** The role of the Alabama SHPO is to review, comment, and consult with federal/state agencies or their designees. The Alabama SHPO's ability to complete a timely project review largely depends on the quality of the material submitted. Some applicants may find it advantageous to hire a professional consultant with expertise in archaeology, history and/or architectural history.

PROJECT NAME

MAWSS DWSRF Master Plan Ph II Loan Application - Myers WTP Projects

FEDERAL AGENCY PROVIDING FUNDS, LICENSE, OR PERMIT

EPA

FEDERAL PROJECT NUMBER

FEDERAL AGENCY CONTACT NAME AND E-MAIL/PHONE NUMBER

STATE AGENCY PROVIDING FUNDS, LICENSE, OR PERMIT (IF APPLICABLE)

ADEM - SRF Division

STATE AGENCY CONTACT NAME AND E-MAIL ADDRESS, PHONE NUMBER, MAILING ADDRESS

John Laney, john.laney@adem.alabama.gov, 334-271-7727, P.O. Box 301463, Montgomery, AL 36130-1463

AHC NUMBER (If project has been previously submitted)

APPLICANT NAME:

Bpard of Water & Sewer Commissioners of the City of Mobile, AL (MAWSS)

APPLICANT MAILING ADDRESS:

P.O. Box 180249 (4725 Moffett Road) Mobile, AL 36618-0249

APPLICANT TELEPHONE:

251-694-3187

APPLICANT EMAIL:

dcote@mawss.com

CONTACT NAME (if different than applicant):

Doug Cote, Assistance Director - Plant Operations

CONTACT MAILING ADDRESS:

P.O. Box 180249 (4725 Moffett Road) Mobile, AL 36618-0249

CONTACT TELEPHONE:

251-694-3187

CONTACT EMAIL (Person to whom AHC should email response letter):

marcus.stacey@volkert.com

CONTRACTOR TYPE: ARCHAEOLOGIST; ARCHITECTURAL HISTORIAN; NONE; OTHER:

CONTRACTOR NAME:

Volkert, Inc.

CONTRACTOR MAILING ADDRESS:

1110 Montlimar Drive, Suite 1050, Mobile AL 36609

CONTRACTOR TELEPHONE:

251-599-1974

CONTRACTOR EMAIL:

marcus.stacey@volkert.com

PROJECT LOCATION	
STREET ADDRESS 1475 Hubert Pierce Road	CITY Mobile
COUNTY Mobile	ZIP CODE 36608
LATITUDE / LONGITUDE: USE DECIMAL DEGREES EXAMPLE: 32.3722N, -86.3083W 30.7226N, 88.2602W	

PROJECT DESCRIPTION

Will the project involve any of the following? Check all that apply.

- exterior rehabilitation work;
- interior rehabilitation work;
- cellular equipment located on buildings;
- streetscapes/sidewalks/lighting;
- new construction; and/or
- demolition

Describe the overall project in DETAIL. Be sure to describe any items checked above. Use additional pages if necessary.

The Board of Water and Sewer Commissioners of the City of Mobile, Alabama (MAWSS) is proposing to submit a Drinking Water State Revolving Fund (DWSRF) Loan Application to fund various water infrastructure improvements as part of Phase 2 of their Master Plan. Three projects at the Myers Water Treatment Plant will be included in this application, with two identified as alternate projects. Please see the project descriptions below. Work for these projects is currently proposed to be completed within the boundaries of the existing fence.

Myers WTP Filter Rehabilitation
 The H.E. Myers WTP has a rated Capacity of 30 mgd. The plant went into operation in 1989. It was constructed to serve portions of West Mobile and provide a backup to the Stickney WTP. The Myers WTP needs filter rehabilitation which includes replacing filter media, controls, valves, actuators, media underdrains and adding an air scour system.

Water Treatment Plant Security Upgrades (alternate project)
 This project would fund security upgrades at the Stickney and/or Myers Water Treatment Plants.

Water Treatment Plant Paving (alternate project)
 This project would fund paving work at the Stickney and/or Myers Water Treatment Plants.



AREA OF POTENTIAL EFFECT (APE)

The APE varies with project types and can be direct or indirect (physical, visual, auditory, etc.). The APE is defined as “the geographic area or areas within which an undertaking may cause changes in the character of use of historic properties, if any such properties exist.” Factors to consider when determining the APE include; topography, vegetation, existing development, orientation of an existing resource to the project, physical siting of a resource, and existing and planned future development. For example:

- 1) Rehabilitation, renovation, and/or demolition of a historic building or structure, or new construction: the APE might include the building itself and the adjacent setting.
- 2) Streetscapes: the APE might include the viewshed from the street.
- 3) Pedestrian/bicycle facilities: the APE might extend the length of the corridor and for some distance on both sides of the corridor.
- 4) Underground utilities: the APE would usually be limited to the area of ground disturbance.

Attach a map indicating the precise location of the project and the boundaries of the APE, preferably a clear color copy of a USGS topographic quadrangle map (7.5 minute). For projects in urban areas, also include a city map that shows more detail. USGS topographic maps can be printed from this website: <https://ngmdb.usgs.gov/topoview/viewer/>. City maps can be printed using www.google.com/maps.

Provide current, high resolution color photographs that illustrate the project area and the entire APE as defined above.

ARCHAEOLOGY (Ground Disturbing Activities)

Has the ground in the project area been disturbed other than by agriculture (i.e. grading, grubbing, clear cutting, filling, etc.)?

Yes No Don't know N/A

If yes, describe in detail. Use additional pages as necessary. Photographs are helpful.

The proposed work is to be performed inside an existing water treatment facility site.

Describe the present use and condition of the property. Use additional pages as necessary.

The existing property is the site of a water treatment plant.

To your knowledge, has a Cultural Resource Assessment (CRA) been conducted in the proposed project area?

Yes No Don't know N/A

If yes, attach a copy of the cultural resources assessment report.

ARCHITECTURAL INFORMATION

Above-ground properties within the Area of Potential Effect (APE) should be evaluated for the eligibility for the National Register of Historic Places. It is the federal agency's (or their designee) responsibility to identify properties in the APE, apply the National Register (NR) criteria, and determine whether a property is eligible or not. Those determinations are sent to our office for review and comment. All properties evaluated should be accompanied by current photographs, and these locations should be keyed to a good quality USGS topographic map. Some applicants may find it advantageous to hire a historic preservation professional with expertise in history and/or architectural history to complete the identification and evaluation of historic properties. The Alabama Historical Commission publishes a GIS map of properties that have been documented by or through our office. The map includes properties listed in the National Register of Historic Places, Alabama Register of Landmarks & Heritage, Alabama Historic Cemetery Register, county architectural surveys, and other files. The GIS map can be accessed here: <https://ahc.alabama.gov/historicpreservationmap.aspx> The GIS map should function as a research tool, not an up-to-the-minute inventory about every historic and/or architecturally significant property in the state. This tool allows researchers to investigate and review potentially significant properties according to the best data that is available in the Alabama Historical Commission's files. The absence of a property from the map does not imply that an unidentified property lacks historic or architectural importance.

I) Within the APE, are there properties listed in or eligible for the National Register of Historic Places?

YES If yes, identify the properties by name, address, and photo number.

NO If no, identify the properties by name, address, and photo number. Provide an explanation as to why properties identified are not eligible for the National Register. A discussion of the National Register seven aspects of integrity and the applicable National Register criteria must be included. Refer to the National Park Service's website: https://www.nps.gov/subjects/nationalregister/upload/NRB-15_web508.pdf Use additional pages as necessary.

The proposed projects will occur within an existing treatment facility site.

EFFECTS DETERMINATION

An effect occurs when an action alters the characteristics of a property that may qualify it for the National Register of Historic Places. How will this project affect any of the properties identified in the previous section? Will the project take away or change anything within the boundaries of a historic property? Will the project change the view from or the view to any historic properties? Will the project introduce any audible or atmospheric elements? Will the project result in the transfer, lease, or sale of any of the identified properties? Use additional sheets as necessary.

Because the proposed work will occur inside the existing water treatment plant, there should be no impact to any historic properties..

CHECKLIST: Did you provide the following information?

<input checked="" type="checkbox"/> Completed form.	<input type="checkbox"/> Photographs* of current site conditions and all identified historic properties keyed to a site map.
<input checked="" type="checkbox"/> Maps with project area, APE, and any historic properties marked and identified.	<input type="checkbox"/> For new construction, rehabilitations, etc., attach work plans, drawings, etc.
<input type="checkbox"/> Other supporting documents (if necessary to explain the project).	<input type="checkbox"/> Description of present use and condition of the project area.

*A note about photographs: Digital photos must be current, high resolution, and adequately show the resource. Take photographs of the overall property and the exterior of each building on the property, including outbuildings. Include views of the overall setting, views of the building in its immediate surrounding showing the relationship of the building to neighboring buildings, and views of significant landscape features (i.e. tree lined approaches, stone walls, formal gardens, etc.). Exterior views of the building should include full views of each side (if possible) and views of important architectural details. Key all photographs to a site map.

If the project involves rehabilitation, include photographs of the building(s) involved and especially the areas of the building slated for rehab work. Label each exterior view to a site map and label all interior views. If the project involves new construction, include photographs of the surrounding area looking out from the project site. Include photographs of any buildings that are located on the project property or on adjoining property.

NOTE: Section 106 regulations provide for a 30-day response time by the Alabama SHPO from the date of receipt. Project activities may not begin until our office has reviewed this information and issued comments.

Upon receipt, applications and attachments become the property of the State of Alabama.

For questions regarding this form or the Section 106 Review Process, contact Amanda McBride, Section 106 Coordinator, at 334.230.2692 or Amanda.McBride@ahc.alabama.gov.

All projects must be submitted digitally

E-mail this form and supporting documents to Section.106@ahc.alabama.gov This is the only approved e-mail address for project submission. Projects sent to any other e-mail address will not be accepted. The attachment size cannot exceed 19 MB. Alternatively, you may submit projects with larger attachments through an online system to be determined by the AHC.

Please limit your submission to cultural resources information only.

Contact Amanda McBride for any questions on digital submissions



H.E. Myers Water Treatment Plant Projects
-Filter Rehabilitation
-Security Upgrades (alternate)
-Paving (alternate)

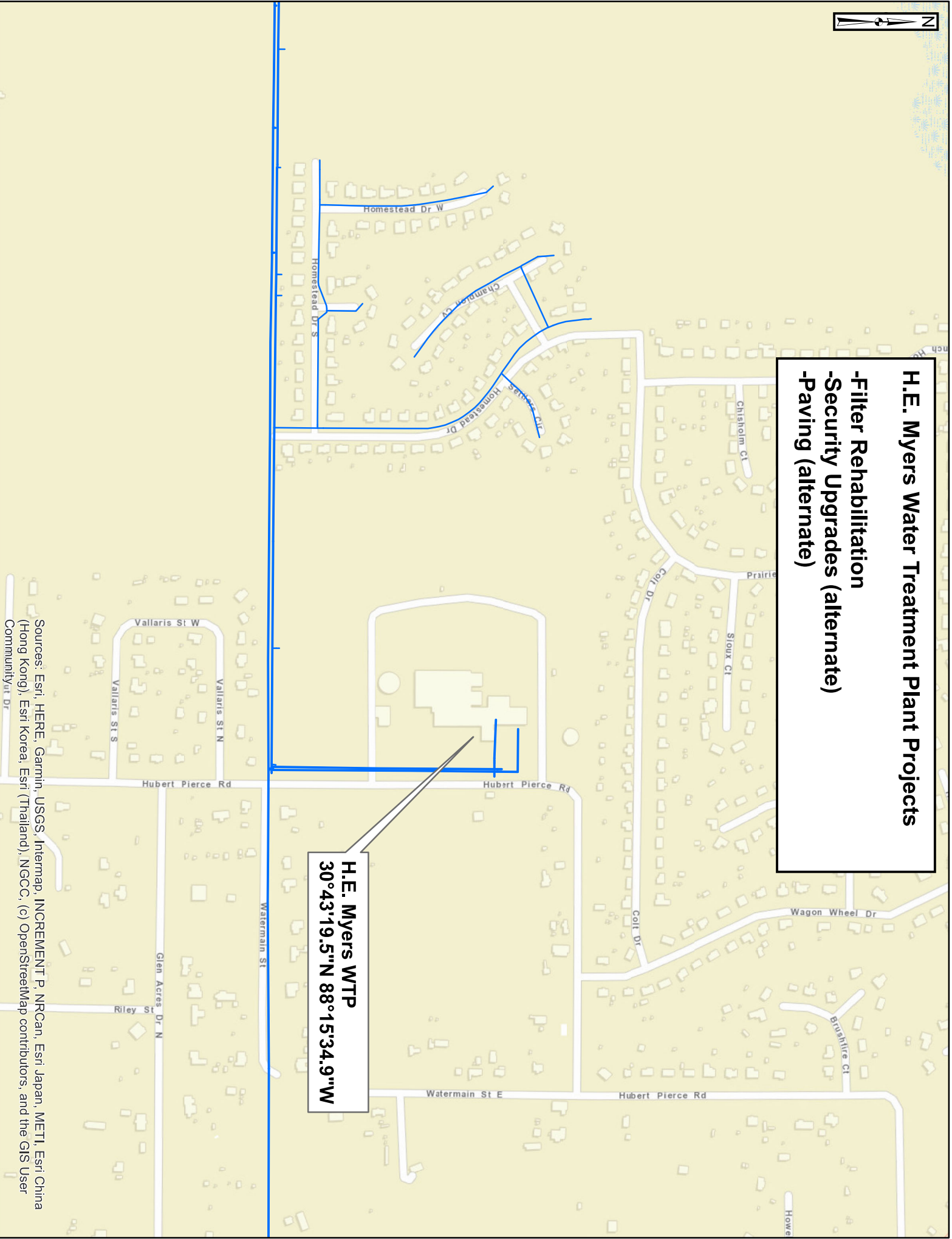
H.E. Myers WTP
30°43'19.5"N 88°15'34.9"W





H.E. Myers Water Treatment Plant Projects
-Filter Rehabilitation
-Security Upgrades (alternate)
-Paving (alternate)

H.E. Myers WTP
30°43'19.5"N 88°15'34.9"W



Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



ALABAMA HISTORICAL COMMISSION

468 South Perry Street
Montgomery, Alabama 36130-0900

Lisa D. Jones
Executive Director
State Historic Preservation Officer

Tel: 334-242-3184
Fax: 334-242-1083

September 19, 2023

Doug Cote
P.O. Box 180249
Mobile, AL 36618-0249

Re: AHC 23-1285
MAWSS DWSRF Master Plan Ph II Loan Application - Myers WTP Projects
Mobile County

Dear Mr. Cote:

Upon review of the above referenced project, we concur that project activities will have no effect on cultural resources eligible for or listed on the National Register of Historic Places. Therefore, we concur with the determination of no effect to historic properties.

Consultation with the State Historic Preservation Office does not constitute consultation with Tribal Historic Preservation Offices, other Native American tribes, local governments, or the public. If archaeological materials are encountered during construction, the procedures codified at 36 CFR 800.13(b) will apply. Archaeological materials consist of any items, fifty years old or older, which were made or used by man. These items include but are not limited to, stone projectile points (arrowheads), ceramic sherds, bricks, worked wood, bone and stone, metal, and glass objects. The federal agency or the applicant receiving federal assistance should contact our office immediately. If human remains are encountered, the provisions of the Alabama Burial Act (*Code of Alabama 1975, §13A-7-23.1, as amended; Alabama Historical Commission Administrative Code Chapter 460-X-10 Burials*) should be followed. This stipulation shall be placed on the construction plans to ensure contractors are aware of it.

We appreciate your commitment to helping us preserve Alabama's historic archaeological and architectural resources. Should you have any questions, please contact Eric Sipes at 334.230.2667 or Eric.Sipes@ahc.alabama.gov. Have the AHC tracking number referenced above available and include it with any future correspondence.

Sincerely,

A handwritten signature in blue ink that reads "Lee Anne Wofford".

Lee Anne Wofford
Deputy State Historic Preservation Officer

LAW/EDS/law

September 9, 2023

MAWSS Master Plan Phase 2 DWSRF Loan Applications - Secondary Raw Water Source
(Contract No. 1025601, Task 10)

Ms. Lee Anne Wofford
Deputy SHPO
Alabama Historical Commission
Attn: Section 106 Review
468 South Perry Street
Montgomery, Alabama 36130-0900

RE: DWSRF Loan Application Intergovernmental Review

Dear Ms. Wofford:

The Board of Water and Sewer Commissioners of the City of Mobile, Alabama (MAWSS) is proposing to submit a Drinking Water State Revolving Fund (DWSRF) Loan Application to fund various water infrastructure improvements as part of Phase 2 of their Master Plan. One of the alternate projects included in this application would fund the required testing to permit the Mobile River as a secondary source of raw water for treatment at the Stickney Water Treatment Plant. This project would also involve infrastructure improvements necessary to pump raw water to the Stickney WTP. The existing Bucks Pumping Station location would be utilized for this project.

In accordance with the application, we are requesting that a response from your agency be provided in writing including any comments and concurrence with the proposed loans. Please direct your response to MAWSS, c/o Marcus Stacey, P.E., Volkert, Inc., 1110 Montlimar Dr., Suite 1050, Mobile, AL, 36609, or by email at marcus.stacey@volkert.com.

Please call either Marcus Stacey at (251) 599-1974 or me at (251) 680-9883 should you have any questions or require any additional information.

Sincerely,



Melinda D. Immel, P.E.
Assistant Vice President

Enclosures



ALABAMA HISTORICAL COMMISSION
 STATE HISTORIC PRESERVATION OFFICE
SECTION 106 PROJECT REVIEW CONSULTATION FORM

Federal laws exist to ensure that federal agencies or their designated applicants carefully consider historic preservation in federally funded, licensed, or permitted projects. Section 106 of the National Historic Preservation Act of 1966, as amended directs this review. <http://www.achp.gov/106summary.html>. At a minimum, submission of this completed form and attachments constitutes a request for review by the Alabama Historical Commission, which is the Alabama State Historic Preservation Office (SHPO). **The responsibility for preparing documentation, including the identification of archaeological and architectural properties and the assessment of potential effects resulting from the project, rests with the federal or state agency, or its designated applicant.** The role of the Alabama SHPO is to review, comment, and consult with federal/state agencies or their designees. The Alabama SHPO's ability to complete a timely project review largely depends on the quality of the material submitted. Some applicants may find it advantageous to hire a professional consultant with expertise in archaeology, history and/or architectural history.

PROJECT NAME

MAWSS DWSRF Master Plan Ph II Loan Application - Secondary Raw Water Project

FEDERAL AGENCY PROVIDING FUNDS, LICENSE, OR PERMIT

EPA

FEDERAL PROJECT NUMBER

FEDERAL AGENCY CONTACT NAME AND E-MAIL/PHONE NUMBER

STATE AGENCY PROVIDING FUNDS, LICENSE, OR PERMIT (IF APPLICABLE)

ADEM - SRF Division

STATE AGENCY CONTACT NAME AND E-MAIL ADDRESS, PHONE NUMBER, MAILING ADDRESS

John Laney, john.laney@adem.alabama.gov, 334-271-7727, P.O. Box 301463, Montgomery, AL 36130-1463

AHC NUMBER (If project has been previously submitted)

APPLICANT NAME:

Bpard of Water & Sewer Commissioners of the City of Mobile, AL (MAWSS)

APPLICANT MAILING ADDRESS:

P.O. Box 180249 (4725 Moffett Road) Mobile, AL 36618-0249

APPLICANT TELEPHONE:

251-694-3187

APPLICANT EMAIL:

dcote@mawss.com

CONTACT NAME (if different than applicant):

Doug Cote, Assistance Director - Plant Operations

CONTACT MAILING ADDRESS:

P.O. Box 180249 (4725 Moffett Road) Mobile, AL 36618-0249

CONTACT TELEPHONE:

251-694-3187

CONTACT EMAIL (Person to whom AHC should email response letter):

marcus.stacey@volkert.com

CONTRACTOR TYPE: ARCHAEOLOGIST; ARCHITECTURAL HISTORIAN; NONE; OTHER:

CONTRACTOR NAME:

Volkert, Inc.

CONTRACTOR MAILING ADDRESS:

1110 Montlimar Drive, Suite 1050, Mobile AL 36609

CONTRACTOR TELEPHONE:

251-599-1974

CONTRACTOR EMAIL:

marcus.stacey@volkert.com

PROJECT LOCATION	
STREET ADDRESS Bucks Pumping Station	CITY Bucks
COUNTY Mobile	ZIP CODE 36608
LATITUDE / LONGITUDE: USE DECIMAL DEGREES EXAMPLE: 32.3722N, -86.3083W 31.013 N, 89.0191 W	

PROJECT DESCRIPTION

Will the project involve any of the following? Check all that apply.

- exterior rehabilitation work;
- interior rehabilitation work;
- cellular equipment located on buildings;
- streetscapes/sidewalks/lighting;
- new construction; and/or
- demolition

Describe the overall project in DETAIL. Be sure to describe any items checked above. Use additional pages if necessary.

The Board of Water and Sewer Commissioners of the City of Mobile, Alabama (MAWSS) is proposing to submit a Drinking Water State Revolving Fund (DWSRF) Loan Application to fund various water infrastructure improvements as part of Phase 2 of their Master Plan. One of the alternate projects included in this application would fund the required testing to permit the Mobile River as a secondary source of raw water for treatment at the Stickney Water Treatment Plant. This project would also involve infrastructure improvements necessary to pump raw water to the Stickney WTP. The existing Bucks Pumping Station location would be utilized for this project. This project is currently in the preliminary stage.

AREA OF POTENTIAL EFFECT (APE)

The APE varies with project types and can be direct or indirect (physical, visual, auditory, etc.). The APE is defined as “the geographic area or areas within which an undertaking may cause changes in the character of use of historic properties, if any such properties exist.” Factors to consider when determining the APE include; topography, vegetation, existing development, orientation of an existing resource to the project, physical siting of a resource, and existing and planned future development. For example:

- 1) Rehabilitation, renovation, and/or demolition of a historic building or structure, or new construction: the APE might include the building itself and the adjacent setting.
- 2) Streetscapes: the APE might include the viewshed from the street.
- 3) Pedestrian/bicycle facilities: the APE might extend the length of the corridor and for some distance on both sides of the corridor.
- 4) Underground utilities: the APE would usually be limited to the area of ground disturbance.

Attach a map indicating the precise location of the project and the boundaries of the APE, preferably a clear color copy of a USGS topographic quadrangle map (7.5 minute). For projects in urban areas, also include a city map that shows more detail. USGS topographic maps can be printed from this website: <https://ngmdb.usgs.gov/topoview/viewer/>. City maps can be printed using www.google.com/maps.

Provide current, high resolution color photographs that illustrate the project area and the entire APE as defined above.

ARCHAEOLOGY (Ground Disturbing Activities)

Has the ground in the project area been disturbed other than by agriculture (i.e. grading, grubbing, clear cutting, filling, etc.)?

Yes No Don't know N/A

If yes, describe in detail. Use additional pages as necessary. Photographs are helpful.

This project is in the preliminary stage and includes the required testing to permit the Mobile River as a secondary source of raw water for treatment at the existing Stickney WTP. The project would also involve infrastructure improvements necessary to pump raw water to the Stickney WTP. The existing Bucks Pumping Station would potentially be utilized. In areas of existing infrastructure the ground has been disturbed.



Describe the present use and condition of the property. Use additional pages as necessary.

The current use of the Bucks Pumping Station is providing raw water to industrial customers

To your knowledge, has a Cultural Resource Assessment (CRA) been conducted in the proposed project area?

Yes No Don't know N/A

If yes, attach a copy of the cultural resources assessment report.

ARCHITECTURAL INFORMATION

Above-ground properties within the Area of Potential Effect (APE) should be evaluated for the eligibility for the National Register of Historic Places. It is the federal agency's (or their designee) responsibility to identify properties in the APE, apply the National Register (NR) criteria, and determine whether a property is eligible or not. Those determinations are sent to our office for review and comment. All properties evaluated should be accompanied by current photographs, and these locations should be keyed to a good quality USGS topographic map. Some applicants may find it advantageous to hire a historic preservation professional with expertise in history and/or architectural history to complete the identification and evaluation of historic properties. The Alabama Historical Commission publishes a GIS map of properties that have been documented by or through our office. The map includes properties listed in the National Register of Historic Places, Alabama Register of Landmarks & Heritage, Alabama Historic Cemetery Register, county architectural surveys, and other files. The GIS map can be accessed here: <https://ahc.alabama.gov/historicpreservationmap.aspx> The GIS map should function as a research tool, not an up-to-the-minute inventory about every historic and/or architecturally significant property in the state. This tool allows researchers to investigate and review potentially significant properties according to the best data that is available in the Alabama Historical Commission's files. The absence of a property from the map does not imply that an unidentified property lacks historic or architectural importance.

I) Within the APE, are there properties listed in or eligible for the National Register of Historic Places?

YES If yes, identify the properties by name, address, and photo number.

NO If no, identify the properties by name, address, and photo number. Provide an explanation as to why properties identified are not eligible for the National Register. A discussion of the National Register seven aspects of integrity and the applicable National Register criteria must be included. Refer to the National Park Service's website: https://www.nps.gov/subjects/nationalregister/upload/NRB-15_web508.pdf Use additional pages as necessary.

The Bucks Pumping Station is an existing facility used to supply raw water to industrial customers.

EFFECTS DETERMINATION

An effect occurs when an action alters the characteristics of a property that may qualify it for the National Register of Historic Places. How will this project affect any of the properties identified in the previous section? Will the project take away or change anything within the boundaries of a historic property? Will the project change the view from or the view to any historic properties? Will the project introduce any audible or atmospheric elements? Will the project result in the transfer, lease, or sale of any of the identified properties? Use additional sheets as necessary.

Because this project includes the necessary testing for permitting the Mobile River as a secondary source water and infrastructure improvements necessary to pump raw water to the Stickney WTP would occur at existing facilities or below grade within existing roadways, it is currently not anticipated to impact any historical sites.

CHECKLIST: Did you provide the following information?

<input checked="" type="checkbox"/> Completed form.	<input type="checkbox"/> Photographs* of current site conditions and all identified historic properties keyed to a site map.
<input checked="" type="checkbox"/> Maps with project area, APE, and any historic properties marked and identified.	<input type="checkbox"/> For new construction, rehabilitations, etc., attach work plans, drawings, etc.
<input type="checkbox"/> Other supporting documents (if necessary to explain the project).	<input type="checkbox"/> Description of present use and condition of the project area.

*A note about photographs: Digital photos must be current, high resolution, and adequately show the resource. Take photographs of the overall property and the exterior of each building on the property, including outbuildings. Include views of the overall setting, views of the building in its immediate surrounding showing the relationship of the building to neighboring buildings, and views of significant landscape features (i.e. tree lined approaches, stone walls, formal gardens, etc.). Exterior views of the building should include full views of each side (if possible) and views of important architectural details. Key all photographs to a site map.

If the project involves rehabilitation, include photographs of the building(s) involved and especially the areas of the building slated for rehab work. Label each exterior view to a site map and label all interior views. If the project involves new construction, include photographs of the surrounding area looking out from the project site. Include photographs of any buildings that are located on the project property or on adjoining property.

NOTE: Section 106 regulations provide for a 30-day response time by the Alabama SHPO from the date of receipt. Project activities may not begin until our office has reviewed this information and issued comments.

Upon receipt, applications and attachments become the property of the State of Alabama.

For questions regarding this form or the Section 106 Review Process, contact Amanda McBride, Section 106 Coordinator, at 334.230.2692 or Amanda.McBride@ahc.alabama.gov.

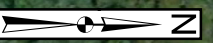
All projects must be submitted digitally

E-mail this form and supporting documents to Section.106@ahc.alabama.gov This is the only approved e-mail address for project submission. Projects sent to any other e-mail address will not be accepted. The attachment size cannot exceed 19 MB. Alternatively, you may submit projects with larger attachments through an online system to be determined by the AHC.

Please limit your submission to cultural resources information only.

Contact Amanda McBride for any questions on digital submissions

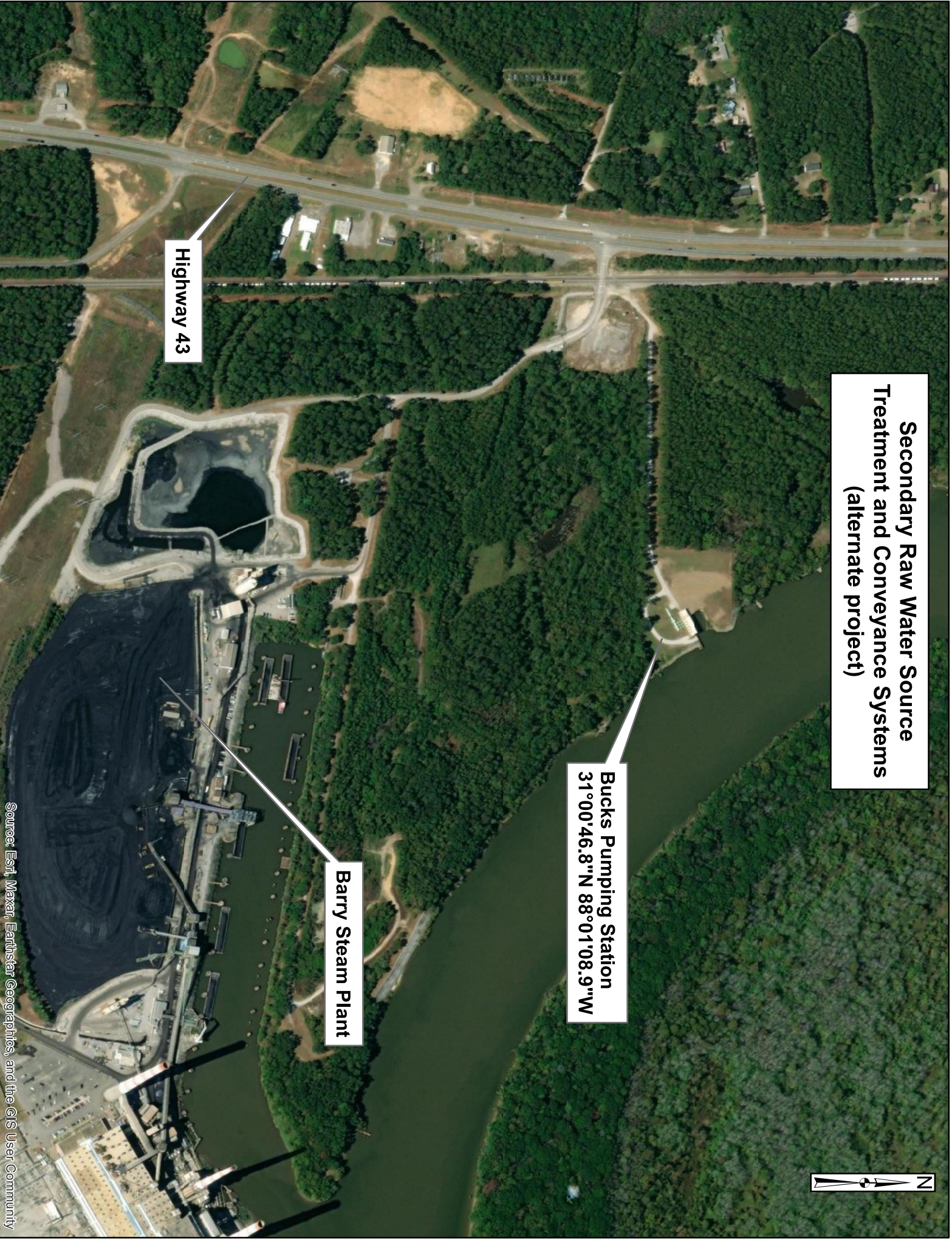
**Secondary Raw Water Source
Treatment and Conveyance Systems
(alternate project)**



Bucks Pumping Station
31°00'46.8"N 88°01'08.9"W

Barry Steam Plant

Highway 43



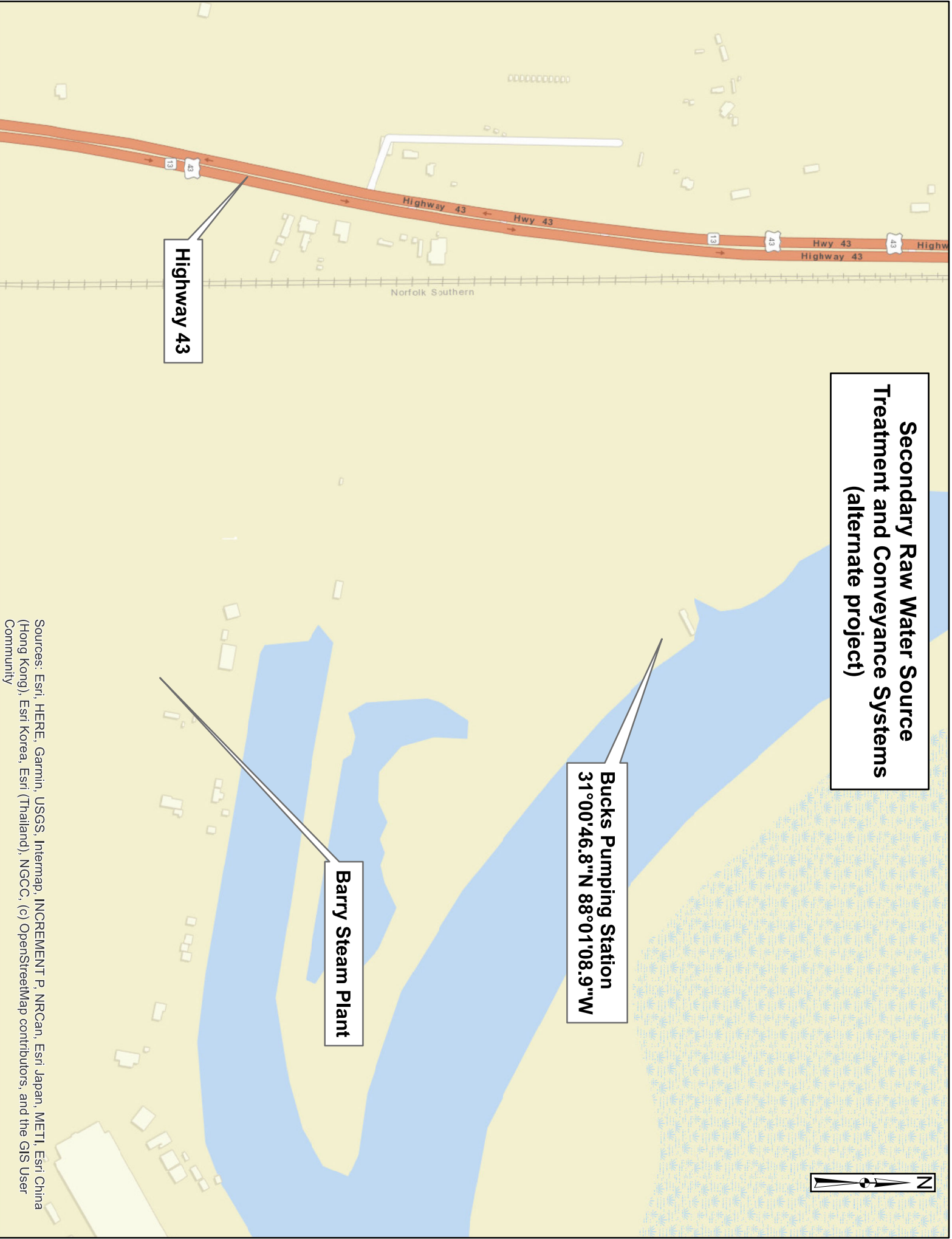
**Secondary Raw Water Source
Treatment and Conveyance Systems
(alternate project)**



Bucks Pumping Station
31°00'46.8"N 88°01'08.9"W

Barry Steam Plant

Highway 43



Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



ALABAMA HISTORICAL COMMISSION

468 South Perry Street
Montgomery, Alabama 36130-0900

Lisa D. Jones
Executive Director
State Historic Preservation Officer

Tel: 334-242-3184
Fax: 334-242-1083

September 19, 2023

Doug Cote
P.O. Box 180249
Mobile, AL 36618-0249

Re: AHC 23-1284
MAWSS DWSRF Master Plan Ph II Loan Application - Secondary Raw Water Project
Mobile County

Dear Mr. Cote:

Upon review of the material submitted to our office for the above referenced project, we find that your submission did not contain sufficient information for our office to complete our review. Please forward a detailed scope of work for each action. Describe how the work will be accomplished, including any ground disturbance.

We appreciate your commitment to helping us preserve Alabama's historic archaeological and architectural resources. Should you have any questions, please contact Amanda McBride at 334.230.2692 or Amanda.McBride@ahc.alabama.gov. Have the AHC tracking number referenced above available and include it with any future correspondence.

Sincerely,

A handwritten signature in blue ink that reads "Lee Anne Wofford".

Lee Anne Wofford
Deputy State Historic Preservation Officer

LAW/EDS/law

September 9, 2023

MAWSS Master Plan Phase 2 DWSRF Loan Application - Stickney WTP Projects

(Contract No. 1025601, Task 10)

Ms. Lee Anne Wofford
Deputy SHPO
Alabama Historical Commission
Attn: Section 106 Review
468 South Perry Street
Montgomery, Alabama 36130-0900

RE: DWSRF Loan Application Intergovernmental Review

Dear Ms. Wofford:

The Board of Water and Sewer Commissioners of the City of Mobile, Alabama (MAWSS) is proposing to submit a Drinking Water State Revolving Fund (DWSRF) Loan Application to fund various water infrastructure improvements as part of Phase 2 of their Master Plan. Seven projects at the Stickney Water Treatment Plant will be included in this application, with four identified as alternate projects. Please see the project descriptions below. Work for these projects is currently proposed to be completed within the boundaries of the existing fence.

Stickney WTP Settling Basin Structural Rehab

The E.M. Stickney WTP, which was initially constructed in 1942 and increased in capacity in 1955 and 1976, is the primary of two WTPs in Mobile. It has a capacity to treat 60 mgd. Treated water from the plant is provided to the Cities of Mobile, Prichard and Spanish Fort. The plant's settling basins are reinforced concrete and have cracked and spalled overtime. General rehabilitation of the basins to seal them from leakage and prevent further deterioration is needed.

Stickney Filter Rehabilitation

The E.M. Stickney WTP, which was initially constructed in 1942 and increased in capacity in 1955 and 1976, is the primary of two WTPs in Mobile. It has a capacity to treat 60 mgd. Treated water from the plant is provided to the Cities of Mobile, Prichard and Spanish Fort. The aging plant needs filter rehabilitation which includes replacement of filter media, control panels, valves, actuators, alternate backwash water supply, etc.

Stickney On-Site Hypochlorite Generation

The E.M. Stickney WTP, which was initially constructed in 1942 and increased in capacity in 1955 and 1976, is the primary of two WTPs in Mobile. It has a capacity to treat 60 mgd. Treated water from the plant is provided to the Cities of Mobile, Prichard and Spanish Fort. The plant is located at the intersection of Moffett Road and Shelton Beach Road, a densely populated area. The purpose of this project is to change the plant from Chlorine Dioxide use, a hazardous gas, to Sodium Hypochlorite generation. Sodium Hypochlorite is essentially bleach, a much safer alternative to Chlorine Dioxide for both the surrounding community and the treatment plant operators.

Stickney WTP Liquid Lime Facility Installation (alternate project)

This project would replace the existing quicklime system with liquid lime. The existing quicklime system has several issues and needs to be overhauled (except for the new shaker). Liquid lime is a very pure product, readily available for injection, and is not likely to impact turbidity. Liquid lime systems tend to be more maintenance friendly than quicklime systems.

Stickney WTP Redundant Solids Clarifier (alternate project)

Installation of a redundant clarifier would provide a more robust solids handling system that can continue to operate when the existing duty clarifier is undergoing maintenance or provide additional storage in the event that solids cannot be pumped to the Myers WTP.

Water Treatment Plant Security Upgrades (alternate project)

This project would fund security upgrades at the Stickney and/or Myers Water Treatment Plants.

Water Treatment Plant Paving (alternate project)

This project would fund paving work at the Stickney and/or Myers Water Treatment Plants.

In accordance with the application, we are requesting that a response from your agency be provided in writing including any comments and concurrence with the proposed loans. Please direct your response to MAWSS, c/o Marcus Stacey, P.E., Volkert, Inc., 1110 Montlimar Dr., Suite 1050, Mobile, AL, 36609, or by email at marcus.stacey@volkert.com.

Please call either Marcus Stacey at (251) 599-1974 or me at (251) 680-9883 should you have any questions or require any additional information.

Sincerely,



Melinda D. Immel, P.E.
Assistant Vice President

Enclosures



ALABAMA HISTORICAL COMMISSION
STATE HISTORIC PRESERVATION OFFICE
SECTION 106 PROJECT REVIEW CONSULTATION FORM

Federal laws exist to ensure that federal agencies or their designated applicants carefully consider historic preservation in federally funded, licensed, or permitted projects. Section 106 of the National Historic Preservation Act of 1966, as amended directs this review. <http://www.achp.gov/106summary.html>. At a minimum, submission of this completed form and attachments constitutes a request for review by the Alabama Historical Commission, which is the Alabama State Historic Preservation Office (SHPO). **The responsibility for preparing documentation, including the identification of archaeological and architectural properties and the assessment of potential effects resulting from the project, rests with the federal or state agency, or its designated applicant.** The role of the Alabama SHPO is to review, comment, and consult with federal/state agencies or their designees. The Alabama SHPO's ability to complete a timely project review largely depends on the quality of the material submitted. Some applicants may find it advantageous to hire a professional consultant with expertise in archaeology, history and/or architectural history.

PROJECT NAME

MAWSS DWSRF Master Plan Ph II Loan Application - Stickney WTP Projects

FEDERAL AGENCY PROVIDING FUNDS, LICENSE, OR PERMIT

EPA

FEDERAL PROJECT NUMBER

FEDERAL AGENCY CONTACT NAME AND E-MAIL/PHONE NUMBER

STATE AGENCY PROVIDING FUNDS, LICENSE, OR PERMIT (IF APPLICABLE)

ADEM - SRF Division

STATE AGENCY CONTACT NAME AND E-MAIL ADDRESS, PHONE NUMBER, MAILING ADDRESS

John Laney, john.laney@adem.alabama.gov, 334-271-7727, P.O. Box 301463, Montgomery, AL 36130-1463

AHC NUMBER (If project has been previously submitted)

APPLICANT NAME:

Bpard of Water & Sewer Commissioners of the City of Mobile, AL (MAWSS)

APPLICANT MAILING ADDRESS:

P.O. Box 180249 (4725 Moffett Road) Mobile, AL 36618-0249

APPLICANT TELEPHONE:

251-694-3187

APPLICANT EMAIL:

dcote@mawss.com

CONTACT NAME (if different than applicant):

Doug Cote, Assistance Director - Plant Operations

CONTACT MAILING ADDRESS:

P.O. Box 180249 (4725 Moffett Road) Mobile, AL 36618-0249

CONTACT TELEPHONE:

251-694-3187

CONTACT EMAIL (Person to whom AHC should email response letter):

marcus.stacey@volkert.com

CONTRACTOR TYPE: ARCHAEOLOGIST; ARCHITECTURAL HISTORIAN; NONE; OTHER:

CONTRACTOR NAME:

Volkert, Inc.

CONTRACTOR MAILING ADDRESS:

1110 Montlimar Drive, Suite 1050, Mobile AL 36609

CONTRACTOR TELEPHONE:

251-599-1974

CONTRACTOR EMAIL:

marcus.stacey@volkert.com

PROJECT LOCATION	
STREET ADDRESS 4800 Moffett Road	CITY Mobile
COUNTY Mobile	ZIP CODE 36618
LATITUDE / LONGITUDE: USE DECIMAL DEGREES EXAMPLE: 32.3722N, -86.3083W 30.7209N, -88.1526W	

PROJECT DESCRIPTION

Will the project involve any of the following? Check all that apply.

- exterior rehabilitation work;
- interior rehabilitation work;
- cellular equipment located on buildings;
- streetscapes/sidewalks/lighting;
- new construction; and/or
- demolition

Describe the overall project in DETAIL. Be sure to describe any items checked above. Use additional pages if necessary.

Stickney WTP Settling Basin Structural Rehab - The E.M. Stickney WTP, which was initially constructed in 1942 and increased in capacity in 1955 and 1976, is the primary of two WTPs in Mobile. It has a capacity to treat 60 mgd. Treated water from the plant is provided to the Cities of Mobile, Prichard and Spanish Fort. The plant's settling basins are reinforced concrete and have cracked and spalled overtime. General rehabilitation of the basins to seal them from leakage and prevent further deterioration is needed.

Stickney Filter Rehabilitation -The E.M. Stickney WTP, which was initially constructed in 1942 and increased in capacity in 1955 and 1976, is the primary of two WTPs in Mobile. It has a capacity to treat 60 mgd. Treated water from the plant is provided to the Cities of Mobile, Prichard and Spanish Fort. The aging plant needs filter rehabilitation which includes replacement of filter media, control panels, valves, actuators, alternate backwash water supply etc...

Stickney On-Site Hypochlorite Generation - The E.M. Stickney WTP, which was initially constructed in 1942 and increased in capacity in 1955 and 1976, is the primary of two WTPs in Mobile. It has a capacity to treat 60 mgd. Treated water from the plant is provided to the Cities of Mobile, Prichard and Spanish Fort. The plant is located at the intersection of Moffett Road and Shelton Beach Road, a densely populated area. The purpose of this project is to change the plant from Chlorine Dioxide use, a hazardous gas, to Sodium Hypochlorite generation. Sodium Hypochlorite is essentially bleach, a much safer alternative to Chlorine Dioxide for both the surrounding community and the treatment plant operators.

Stickney WTP Liquid Lime Facility Installation (alternate project) - This project would replace the existing quicklime system with liquid lime. The existing quicklime system has several issues and needs to be overhauled (except for the new shaker). Liquid lime is a very pure product, readily available for injection, and is not likely to impact turbidity. Liquid lime systems tend to be more maintenance friendly than quicklime systems.

Stickney WTP Redundant Solids Clarifier (alternate project) - Installation of a redundant clarifier would provide a more robust solids handling system that can continue to operate when the existing duty clarifier is undergoing maintenance or provide additional storage in the event that solids cannot be pumped to the Myers WTP.

Water Treatment Plant Security Upgrades (alternate project) -This project would fund security upgrades at the Stickney and/or Myers Water Treatment Plants.

Water Treatment Plant Paving (alternate project) - This project would fund paving work at the Stickney and/or Myers Water Treatment Plants.

AREA OF POTENTIAL EFFECT (APE)

The APE varies with project types and can be direct or indirect (physical, visual, auditory, etc.). The APE is defined as “the geographic area or areas within which an undertaking may cause changes in the character of use of historic properties, if any such properties exist.” Factors to consider when determining the APE include; topography, vegetation, existing development, orientation of an existing resource to the project, physical siting of a resource, and existing and planned future development. For example:

- 1) Rehabilitation, renovation, and/or demolition of a historic building or structure, or new construction: the APE might include the building itself and the adjacent setting.
- 2) Streetscapes: the APE might include the viewshed from the street.
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- 4) Underground utilities: the APE would usually be limited to the area of ground disturbance.

Attach a map indicating the precise location of the project and the boundaries of the APE, preferably a clear color copy of a USGS topographic quadrangle map (7.5 minute). For projects in urban areas, also include a city map that shows more detail. USGS topographic maps can be printed from this website: <https://ngmdb.usgs.gov/topoview/viewer/>. City maps can be printed using www.google.com/maps.

Provide current, high resolution color photographs that illustrate the project area and the entire APE as defined above.

ARCHAEOLOGY (Ground Disturbing Activities)

Has the ground in the project area been disturbed other than by agriculture (i.e. grading, grubbing, clear cutting, filling, etc.)?

Yes No Don't know N/A

If yes, describe in detail. Use additional pages as necessary. Photographs are helpful.

The work is currently proposed to be completed within the boundaries of the existing water treatment plant site.

Describe the present use and condition of the property. Use additional pages as necessary.

The existing property is the site of a water treatment plant.

To your knowledge, has a Cultural Resource Assessment (CRA) been conducted in the proposed project area?

Yes No Don't know N/A

If yes, attach a copy of the cultural resources assessment report.

ARCHITECTURAL INFORMATION

Above-ground properties within the Area of Potential Effect (APE) should be evaluated for the eligibility for the National Register of Historic Places. It is the federal agency's (or their designee) responsibility to identify properties in the APE, apply the National Register (NR) criteria, and determine whether a property is eligible or not. Those determinations are sent to our office for review and comment. All properties evaluated should be accompanied by current photographs, and these locations should be keyed to a good quality USGS topographic map. Some applicants may find it advantageous to hire a historic preservation professional with expertise in history and/or architectural history to complete the identification and evaluation of historic properties. The Alabama Historical Commission publishes a GIS map of properties that have been documented by or through our office. The map includes properties listed in the National Register of Historic Places, Alabama Register of Landmarks & Heritage, Alabama Historic Cemetery Register, county architectural surveys, and other files. The GIS map can be accessed here: <https://ahc.alabama.gov/historicpreservationmap.aspx> The GIS map should function as a research tool, not an up-to-the-minute inventory about every historic and/or architecturally significant property in the state. This tool allows researchers to investigate and review potentially significant properties according to the best data that is available in the Alabama Historical Commission's files. The absence of a property from the map does not imply that an unidentified property lacks historic or architectural importance.

I) Within the APE, are there properties listed in or eligible for the National Register of Historic Places?

YES If yes, identify the properties by name, address, and photo number.

NO If no, identify the properties by name, address, and photo number. Provide an explanation as to why properties identified are not eligible for the National Register. A discussion of the National Register seven aspects of integrity and the applicable National Register criteria must be included. Refer to the National Park Service's website: https://www.nps.gov/subjects/nationalregister/upload/NRB-15_web508.pdf Use additional pages as necessary.

The proposed projects will occur within the existing water treatment facility.

EFFECTS DETERMINATION

An effect occurs when an action alters the characteristics of a property that may qualify it for the National Register of Historic Places. How will this project affect any of the properties identified in the previous section? Will the project take away or change anything within the boundaries of a historic property? Will the project change the view from or the view to any historic properties? Will the project introduce any audible or atmospheric elements? Will the project result in the transfer, lease, or sale of any of the identified properties? Use additional sheets as necessary.

Because the proposed work will occur inside the existing water treatment site, there should be no impact to any historic properties.

CHECKLIST: Did you provide the following information?

<input checked="" type="checkbox"/> Completed form.	<input type="checkbox"/> Photographs* of current site conditions and all identified historic properties keyed to a site map.
<input checked="" type="checkbox"/> Maps with project area, APE, and any historic properties marked and identified.	<input type="checkbox"/> For new construction, rehabilitations, etc., attach work plans, drawings, etc.
<input type="checkbox"/> Other supporting documents (if necessary to explain the project).	<input type="checkbox"/> Description of present use and condition of the project area.

*A note about photographs: Digital photos must be current, high resolution, and adequately show the resource. Take photographs of the overall property and the exterior of each building on the property, including outbuildings. Include views of the overall setting, views of the building in its immediate surrounding showing the relationship of the building to neighboring buildings, and views of significant landscape features (i.e. tree lined approaches, stone walls, formal gardens, etc.). Exterior views of the building should include full views of each side (if possible) and views of important architectural details. Key all photographs to a site map.

If the project involves rehabilitation, include photographs of the building(s) involved and especially the areas of the building slated for rehab work. Label each exterior view to a site map and label all interior views. If the project involves new construction, include photographs of the surrounding area looking out from the project site. Include photographs of any buildings that are located on the project property or on adjoining property.

NOTE: Section 106 regulations provide for a 30-day response time by the Alabama SHPO from the date of receipt. Project activities may not begin until our office has reviewed this information and issued comments.

Upon receipt, applications and attachments become the property of the State of Alabama.

For questions regarding this form or the Section 106 Review Process, contact Amanda McBride, Section 106 Coordinator, at 334.230.2692 or Amanda.McBride@ahc.alabama.gov.

All projects must be submitted digitally

E-mail this form and supporting documents to Section.106@ahc.alabama.gov This is the only approved e-mail address for project submission. Projects sent to any other e-mail address will not be accepted. The attachment size cannot exceed 19 MB. Alternatively, you may submit projects with larger attachments through an online system to be determined by the AHC.

Please limit your submission to cultural resources information only.

Contact Amanda McBride for any questions on digital submissions

- E.M. Stickney Water Treatment Plant Projects**
- Settling Basin Structural Rehab
 - Filter Rehabilitation and SCADA
 - On-Site Hypochlorite Generation
 - Liquid Lime Facility Installation (alternate)
 - Redundant Solids Clarifier (alternate)
 - Security Upgrades (alternate)
 - Paving (alternate)

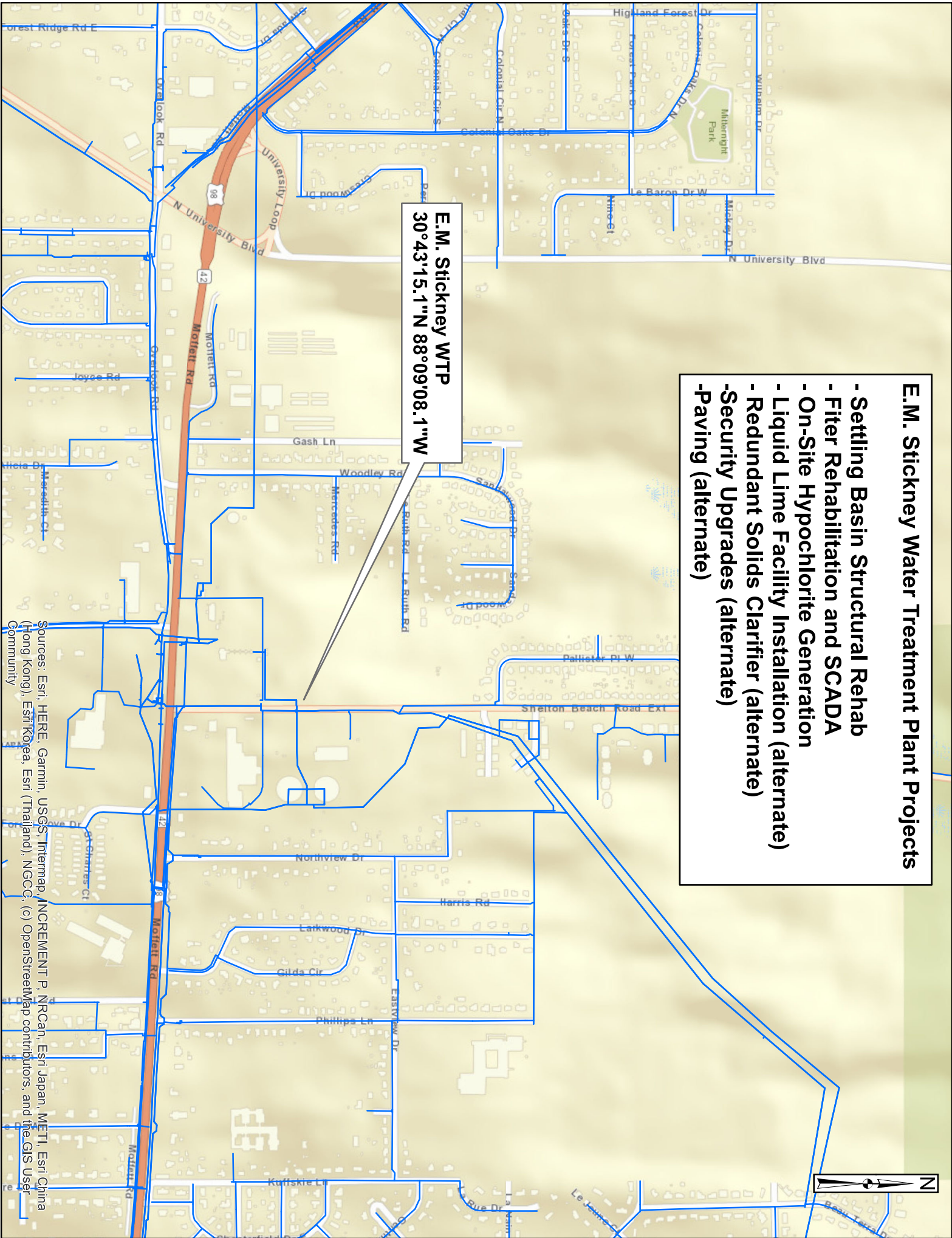
E.M. Stickney WTP
30°43'15.1"N 88°09'08.1"W



E.M. Stickney Water Treatment Plant Projects

- Settling Basin Structural Rehab
- Filter Rehabilitation and SCADA
- On-Site Hypochlorite Generation
- Liquid Lime Facility Installation (alternate)
- Redundant Solids Clarifier (alternate)
- Security Upgrades (alternate)
- Paving (alternate)

E.M. Stickney WTP
30°43'15.1"N 88°09'08.1"W



Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



ALABAMA HISTORICAL COMMISSION

468 South Perry Street
Montgomery, Alabama 36130-0900

Lisa D. Jones
Executive Director
State Historic Preservation Officer

Tel: 334-242-3184
Fax: 334-242-1083

September 19, 2023

Doug Cote
P.O. Box 180249
Mobile, AL 36618-0249

Re: AHC 23-1283
MAWSS DWSRF Master Plan Ph II Loan Application - Stickney WTP Projects
Mobile County

Dear Mr. Cote:

Upon review of the above referenced project, we concur that project activities will have no effect on cultural resources eligible for or listed on the National Register of Historic Places. Therefore, we concur with the determination of no effect to historic properties.

Consultation with the State Historic Preservation Office does not constitute consultation with Tribal Historic Preservation Offices, other Native American tribes, local governments, or the public. If archaeological materials are encountered during construction, the procedures codified at 36 CFR 800.13(b) will apply. Archaeological materials consist of any items, fifty years old or older, which were made or used by man. These items include but are not limited to, stone projectile points (arrowheads), ceramic sherds, bricks, worked wood, bone and stone, metal, and glass objects. The federal agency or the applicant receiving federal assistance should contact our office immediately. If human remains are encountered, the provisions of the Alabama Burial Act (*Code of Alabama 1975, §13A-7-23.1, as amended; Alabama Historical Commission Administrative Code Chapter 460-X-10 Burials*) should be followed. This stipulation shall be placed on the construction plans to ensure contractors are aware of it.

We appreciate your commitment to helping us preserve Alabama's historic archaeological and architectural resources. Should you have any questions, please contact Eric Sipes at 334.230.2667 or Eric.Sipes@ahc.alabama.gov. Have the AHC tracking number referenced above available and include it with any future correspondence.

Sincerely,

Lee Anne Wofford
Deputy State Historic Preservation Officer

LAW/EDS/law

September 9, 2023

MAWSS Master Plan Phase 2 DWSRF Loan Application – System Wide Projects

(Contract No. 1025601, Task 10)

Ms. Lee Anne Wofford
Deputy SHPO
Alabama Historical Commission
Attn: Section 106 Review
468 South Perry Street
Montgomery, Alabama 36130-0900

RE: DWSRF Loan Application Intergovernmental Review

Dear Ms. Wofford:

The Board of Water and Sewer Commissioners of the City of Mobile, Alabama (MAWSS) is proposing to submit a Drinking Water State Revolving Fund (DWSRF) Loan Application to fund various water infrastructure improvements as part of Phase 2 of their Master Plan. Two of the projects included in this application as alternate projects involve system wide improvements to the existing water distribution system. The work on these projects would occur within exiting road right of way and/or easements. Please see the project descriptions below.

Various Critical Valve Replacements (alternate project)

This project would replace various critical valves throughout the MAWSS water distribution system.

Various Water Main Replacements (alternate project)

This project would replace various water mains throughout the MAWSS water distribution system.

In accordance with the application, we are requesting that a response from your agency be provided in writing including any comments and concurrence with the proposed loans. Please direct your response to MAWSS, c/o Marcus Stacey, P.E., Volkert, Inc., 1110 Montlimar Dr., Suite 1050, Mobile, AL, 36609, or by email at marcus.stacey@volkert.com.

Please call either Marcus Stacey at (251) 599-1974 or me at (251) 680-9883 should you have any questions or require any additional information.

Sincerely,



Melinda D. Immel, P.E.
Assistant Vice President

Enclosures



ALABAMA HISTORICAL COMMISSION
STATE HISTORIC PRESERVATION OFFICE
SECTION 106 PROJECT REVIEW CONSULTATION FORM

Federal laws exist to ensure that federal agencies or their designated applicants carefully consider historic preservation in federally funded, licensed, or permitted projects. Section 106 of the National Historic Preservation Act of 1966, as amended directs this review. <http://www.achp.gov/106summary.html>. At a minimum, submission of this completed form and attachments constitutes a request for review by the Alabama Historical Commission, which is the Alabama State Historic Preservation Office (SHPO). **The responsibility for preparing documentation, including the identification of archaeological and architectural properties and the assessment of potential effects resulting from the project, rests with the federal or state agency, or its designated applicant.** The role of the Alabama SHPO is to review, comment, and consult with federal/state agencies or their designees. The Alabama SHPO's ability to complete a timely project review largely depends on the quality of the material submitted. Some applicants may find it advantageous to hire a professional consultant with expertise in archaeology, history and/or architectural history.

PROJECT NAME

MAWSS DWSRF Master Plan Ph II Loan Application - Various System Wide Improvements

FEDERAL AGENCY PROVIDING FUNDS, LICENSE, OR PERMIT

EPA

FEDERAL PROJECT NUMBER

FEDERAL AGENCY CONTACT NAME AND E-MAIL/PHONE NUMBER

STATE AGENCY PROVIDING FUNDS, LICENSE, OR PERMIT (IF APPLICABLE)

ADEM - SRF Division

STATE AGENCY CONTACT NAME AND E-MAIL ADDRESS, PHONE NUMBER, MAILING ADDRESS

John Laney, john.laney@adem.alabama.gov, 334-271-7727, P.O. Box 301463, Montgomery, AL 36130-1463

AHC NUMBER (If project has been previously submitted)

APPLICANT NAME:

Bpard of Water & Sewer Commissioners of the City of Mobile, AL (MAWSS)

APPLICANT MAILING ADDRESS:

P.O. Box 180249 (4725 Moffett Road) Mobile, AL 36618-0249

APPLICANT TELEPHONE:

251-694-3187

APPLICANT EMAIL:

dcote@mawss.com

CONTACT NAME (if different than applicant):

Doug Cote, Assistance Director - Plant Operations

CONTACT MAILING ADDRESS:

P.O. Box 180249 (4725 Moffett Road) Mobile, AL 36618-0249

CONTACT TELEPHONE:

251-694-3187

CONTACT EMAIL (Person to whom AHC should email response letter):

marcus.stacey@volkert.com

CONTRACTOR TYPE: ARCHAEOLOGIST; ARCHITECTURAL HISTORIAN; NONE; OTHER:

CONTRACTOR NAME:

Volkert, Inc.

CONTRACTOR MAILING ADDRESS:

1110 Montlimar Drive, Suite 1050, Mobile AL 36609

CONTRACTOR TELEPHONE:

251-599-1974

CONTRACTOR EMAIL:

marcus.stacey@volkert.com

PROJECT LOCATION	
STREET ADDRESS Thoroughout the MAWSS Water System	CITY Mobile
COUNTY Mobile	ZIP CODE
LATITUDE / LONGITUDE: USE DECIMAL DEGREES EXAMPLE: 32.3722N, -86.3083W	

PROJECT DESCRIPTION

Will the project involve any of the following? Check all that apply.

- exterior rehabilitation work;
- interior rehabilitation work;
- cellular equipment located on buildings;
- streetscapes/sidewalks/lighting;
- new construction; and/or
- demolition

Describe the overall project in DETAIL. Be sure to describe any items checked above. Use additional pages if necessary.

The Board of Water and Sewer Commissioners of the City of Mobile, Alabama (MAWSS) is proposing to submit a Drinking Water State Revolving Fund (DWSRF) Loan Application to fund various water infrastructure improvements as part of Phase 2 of their Master Plan. Two of the alternate projects include improvements system wide to existing water distribution infrastructure.

various Critical Valve Replacement in Distribution System - this project would replace various critical valves throughout the MAWSS water distribution system.

Various Water Main Replacement - This project would replace various water mains throughout the MAWS water distribution system.

AREA OF POTENTIAL EFFECT (APE)

The APE varies with project types and can be direct or indirect (physical, visual, auditory, etc.). The APE is defined as “the geographic area or areas within which an undertaking may cause changes in the character of use of historic properties, if any such properties exist.” Factors to consider when determining the APE include; topography, vegetation, existing development, orientation of an existing resource to the project, physical siting of a resource, and existing and planned future development. For example:

- 1) Rehabilitation, renovation, and/or demolition of a historic building or structure, or new construction: the APE might include the building itself and the adjacent setting.
- 2) Streetscapes: the APE might include the viewshed from the street.
- 3) Pedestrian/bicycle facilities: the APE might extend the length of the corridor and for some distance on both sides of the corridor.
- 4) Underground utilities: the APE would usually be limited to the area of ground disturbance.

Attach a map indicating the precise location of the project and the boundaries of the APE, preferably a clear color copy of a USGS topographic quadrangle map (7.5 minute). For projects in urban areas, also include a city map that shows more detail. USGS topographic maps can be printed from this website: <https://ngmdb.usgs.gov/topoview/viewer/>. City maps can be printed using www.google.com/maps.

Provide current, high resolution color photographs that illustrate the project area and the entire APE as defined above.

ARCHAEOLOGY (Ground Disturbing Activities)

Has the ground in the project area been disturbed other than by agriculture (i.e. grading, grubbing, clear cutting, filling, etc.)?

Yes No Don't know N/A

If yes, describe in detail. Use additional pages as necessary. Photographs are helpful.

Excavations for the valve and main replacements will occur in ground taht was previously distrubed in order for the existitng valves and mains to be installed.

Describe the present use and condition of the property. Use additional pages as necessary.

The existing areas where this work will occur are public right of ways and/or MAWSS easements.

To your knowledge, has a Cultural Resource Assessment (CRA) been conducted in the proposed project area?

Yes No Don't know N/A

If yes, attach a copy of the cultural resources assessment report.

ARCHITECTURAL INFORMATION

Above-ground properties within the Area of Potential Effect (APE) should be evaluated for the eligibility for the National Register of Historic Places. It is the federal agency's (or their designee) responsibility to identify properties in the APE, apply the National Register (NR) criteria, and determine whether a property is eligible or not. Those determinations are sent to our office for review and comment. All properties evaluated should be accompanied by current photographs, and these locations should be keyed to a good quality USGS topographic map. Some applicants may find it advantageous to hire a historic preservation professional with expertise in history and/or architectural history to complete the identification and evaluation of historic properties. The Alabama Historical Commission publishes a GIS map of properties that have been documented by or through our office. The map includes properties listed in the National Register of Historic Places, Alabama Register of Landmarks & Heritage, Alabama Historic Cemetery Register, county architectural surveys, and other files. The GIS map can be accessed here: <https://ahc.alabama.gov/historicpreservationmap.aspx> The GIS map should function as a research tool, not an up-to-the-minute inventory about every historic and/or architecturally significant property in the state. This tool allows researchers to investigate and review potentially significant properties according to the best data that is available in the Alabama Historical Commission's files. The absence of a property from the map does not imply that an unidentified property lacks historic or architectural importance.

I) Within the APE, are there properties listed in or eligible for the National Register of Historic Places?

YES If yes, identify the properties by name, address, and photo number.

Since the proposed work will occur throughout MAWSS' water system, there may be water mains and/or valves replaced that are in the vicinity of these properties. Because the work will occur underground in previously disturbed areas, there should be no impact to these properties.

NO If no, identify the properties by name, address, and photo number. Provide an explanation as to why properties identified are not eligible for the National Register. A discussion of the National Register seven aspects of integrity and the applicable National Register criteria must be included. Refer to the National Park Service's website: https://www.nps.gov/subjects/nationalregister/upload/NRB-15_web508.pdf Use additional pages as necessary.

EFFECTS DETERMINATION

An effect occurs when an action alters the characteristics of a property that may qualify it for the National Register of Historic Places. How will this project affect any of the properties identified in the previous section? Will the project take away or change anything within the boundaries of a historic property? Will the project change the view from or the view to any historic properties? Will the project introduce any audible or atmospheric elements? Will the project result in the transfer, lease, or sale of any of the identified properties? Use additional sheets as necessary.

Because the proposed water line and valves will replace/improve existing infrastructure that is located underground in previously disturbed areas, there should be no impact to existing properties.

CHECKLIST: Did you provide the following information?

<input checked="" type="checkbox"/> Completed form.	<input type="checkbox"/> Photographs* of current site conditions and all identified historic properties keyed to a site map.
<input checked="" type="checkbox"/> Maps with project area, APE, and any historic properties marked and identified.	<input type="checkbox"/> For new construction, rehabilitations, etc., attach work plans, drawings, etc.
<input type="checkbox"/> Other supporting documents (if necessary to explain the project).	<input type="checkbox"/> Description of present use and condition of the project area.

*A note about photographs: Digital photos must be current, high resolution, and adequately show the resource. Take photographs of the overall property and the exterior of each building on the property, including outbuildings. Include views of the overall setting, views of the building in its immediate surrounding showing the relationship of the building to neighboring buildings, and views of significant landscape features (i.e. tree lined approaches, stone walls, formal gardens, etc.). Exterior views of the building should include full views of each side (if possible) and views of important architectural details. Key all photographs to a site map.

If the project involves rehabilitation, include photographs of the building(s) involved and especially the areas of the building slated for rehab work. Label each exterior view to a site map and label all interior views. If the project involves new construction, include photographs of the surrounding area looking out from the project site. Include photographs of any buildings that are located on the project property or on adjoining property.

NOTE: Section 106 regulations provide for a 30-day response time by the Alabama SHPO from the date of receipt. Project activities may not begin until our office has reviewed this information and issued comments.

Upon receipt, applications and attachments become the property of the State of Alabama.

For questions regarding this form or the Section 106 Review Process, contact Amanda McBride, Section 106 Coordinator, at 334.230.2692 or Amanda.McBride@ahc.alabama.gov.

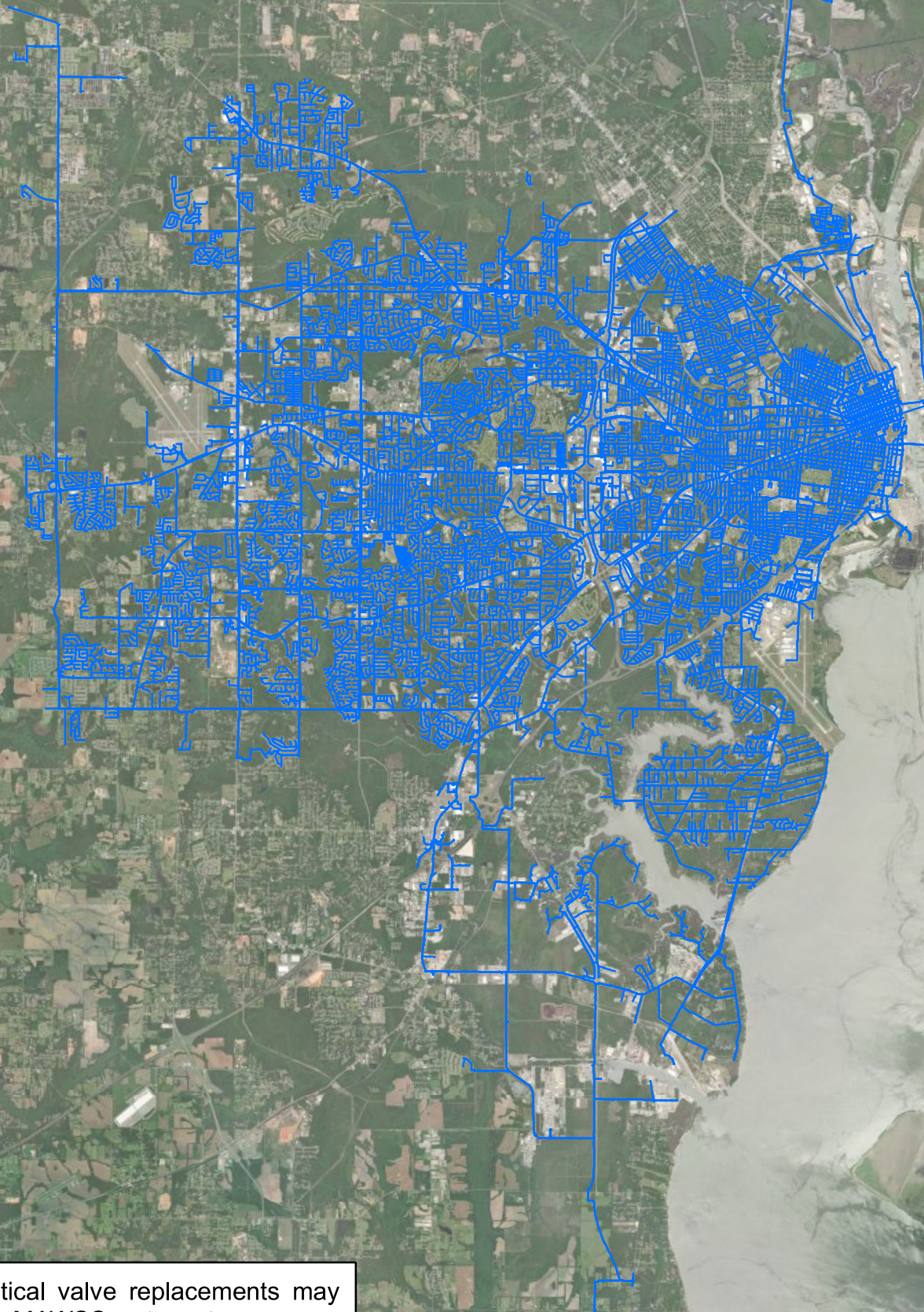
All projects must be submitted digitally

E-mail this form and supporting documents to Section.106@ahc.alabama.gov This is the only approved e-mail address for project submission. Projects sent to any other e-mail address will not be accepted. The attachment size cannot exceed 19 MB. Alternatively, you may submit projects with larger attachments through an online system to be determined by the AHC.

Please limit your submission to cultural resources information only.

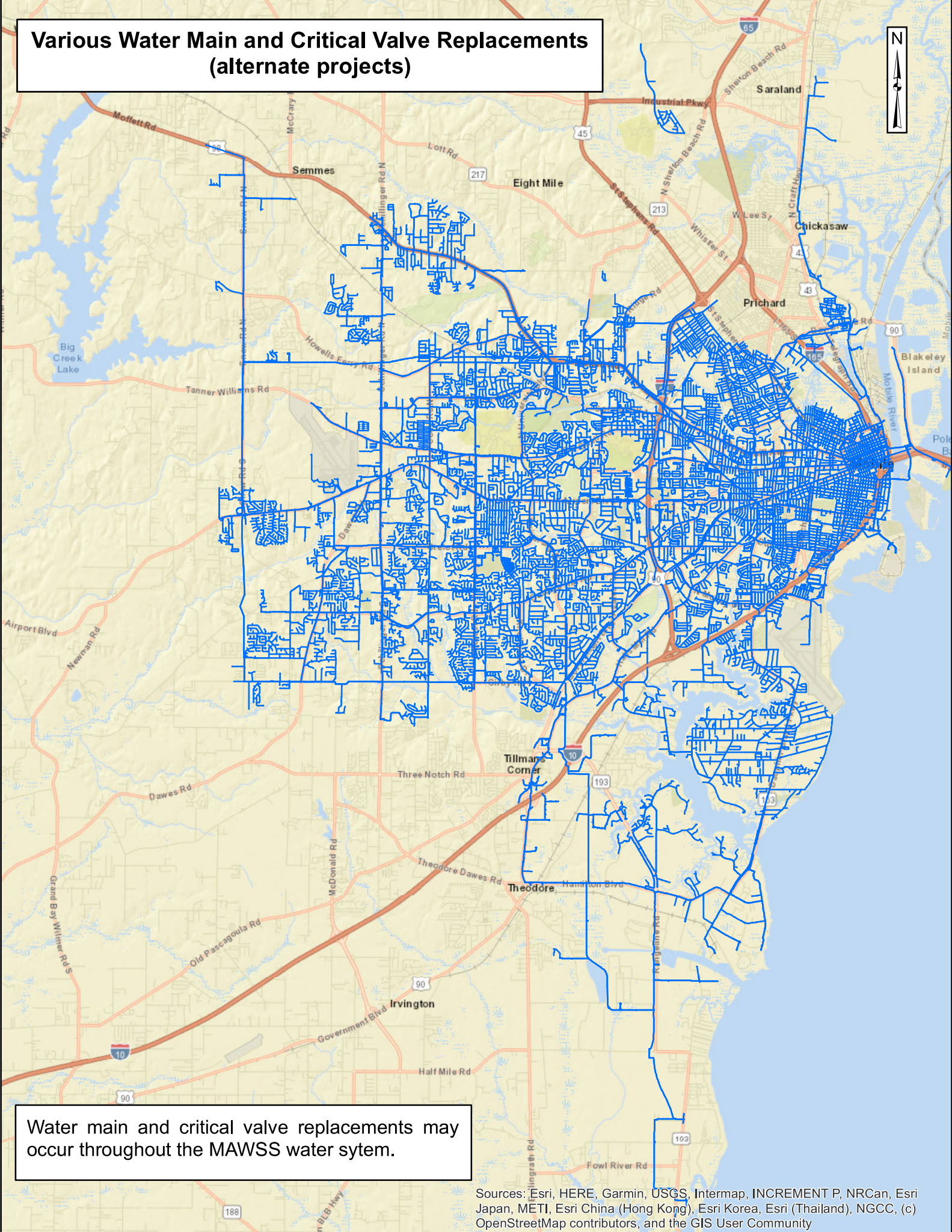
Contact Amanda McBride for any questions on digital submissions

**Various Water Main and Critical Valve Replacements
(alternate projects)**



Water main and critical valve replacements may occur throughout the MAWSS water system.

Various Water Main and Critical Valve Replacements (alternate projects)



Water main and critical valve replacements may occur throughout the MAWSS water system.

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



ALABAMA HISTORICAL COMMISSION

468 South Perry Street
Montgomery, Alabama 36130-0900

Lisa D. Jones
Executive Director
State Historic Preservation Officer

Tel: 334-242-3184
Fax: 334-242-1083

September 19, 2023

Doug Cote
P.O. Box 180249
Mobile, AL 36618-0249

Re: AHC 23-1287
MAWSS DWSRF Master Plan Ph II Loan Application - Various System Wide Improvements
Mobile County

Dear Mr. Cote:

We concur with the above referenced project provided all construction activities will occur within **existing and previously disturbed** highway right-of-way and/or other previously disturbed areas. For the purposes of this letter, previous disturbance is defined as mechanical disturbance to either culturally sterile subsoil, or the maximum depth of the proposed undertaking. It should be noted that agricultural plowing does not typically meet this threshold of disturbance, nor do previously undisturbed portions of the ROW that require clearing of additional vegetation. Any area that is to be involved and does not fall into one of the above categories will require a cultural resource assessment by a professional archaeologist. Submit the resulting report to our office for review and determination prior to project initiation.

Consultation with the State Historic Preservation Office does not constitute consultation with Tribal Historic Preservation Offices, other Native American tribes, local governments, or the public. If archaeological materials are encountered during construction, the procedures codified at 36 CFR 800.13(b) will apply. Archaeological materials consist of any items, fifty years old or older, which were made or used by man. These items include but are not limited to, stone projectile points (arrowheads), ceramic sherds, bricks, worked wood, bone and stone, metal, and glass objects. The federal agency or the applicant receiving federal assistance should contact our office immediately. If human remains are encountered, the provisions of the Alabama Burial Act (*Code of Alabama* 1975, §13A-7-23.1, as amended; Alabama Historical Commission Administrative Code Chapter 460-X-10 Burials) should be followed. This stipulation shall be placed on the construction plans to ensure contractors are aware of it.

We appreciate your commitment to helping us preserve Alabama's historic archaeological and architectural resources. Should you have any questions, please contact Amanda McBride at 334.230.2692 or Amanda.McBride@ahc.alabama.gov. Have the AHC tracking number referenced above available and include it with any future correspondence.

Sincerely,

A handwritten signature in blue ink that reads "Lee Anne Wofford".

Lee Anne Wofford
Deputy State Historic Preservation Officer

LAW/EDS/law

September 8, 2023

Project Name: MAWSS Master Plan Phase 2 DWSRF Loan Application – Big Creek Lake & Gaillard Pump Station Projects

Project Code: 2023-0126225

(Volkert Contract No. 1025601, Task No. 10)

Mr. Bill Pearson
Daphne ES Field Office
U.S. Fish and Wildlife Service
1208-B Main Street
Daphne, AL 36526

RE: DWSRF Loan Application Intergovernmental Review

Dear Mr. Pearson:

The Board of Water and Sewer Commissioners of the City of Mobile, Alabama (MAWSS) is proposing to submit a Drinking Water State Revolving Fund (DWSRF) Loan Application to fund various water infrastructure improvements as part of Phase 2 of their Master Plan. Three of the projects included in this application involve Big Creek Lake, the drinking water source for the cities of Mobile, Prichard, and Spanish Fort. Two of the projects involve the pumps at the Gaillard Pump Station. The Gaillard projects would occur within the boundaries of the existing pump station site. Please see the project descriptions below.

Big Creek Lake Boom and Storage for Hazardous Spill Containment

Big Creek Lake is the drinking water source for the Cities of Mobile, Prichard and Spanish Fort. The purpose of this project is to store boom at strategic locations around the lake for quick deployment in the event of a hazardous material spill into the lake. The boom will help contain the spill in an effort to prevent the spill from reaching the intakes at the Gaillard Pump Station.

Big Creek Lake Dam Toe of Berm Modifications

The purpose of this project is to increase the size of the toe of the berm for about 300 feet along the south side of the dam to provide additional protection from seepage and erosion under the dam and to further resist uplift pressures within the aforementioned length of the dam.

Big Creek Lake Early Contaminant Warning System

The Contaminant Warning System is a group of smart buoys containing instrumentation for sensing contaminants in the lake and sending alarms to operators when contaminants are present.

Big Creek Lake Emergency By-Pass Connections

Big Creek Lake is the drinking water source for the Cities of Mobile, Prichard and Spanish Fort. The by-pass connections make it possible for portable pumps to pump from the lake into the raw water force mains that feed the water treatment plants. This project is a contingency that will allow raw water from the lake to continue to be treated in the event the pumps station is rendered inoperable by hurricane, tornado, etc.

Replace Gaillard Pump Station Pumps, Valves, and Fittings

The pumps at the Gaillard Pump Station have reached the end of their useful life and need to be replaced. These pumps are critical, as they supply water from Big Creek Lake.

In accordance with the application, we are requesting that a response from your agency be provided in writing including any comments and concurrence with the proposed loans. Please direct your response to MAWSS, c/o Marcus Stacey, P.E., Volkert, Inc., 1110 Montlimar Dr., Suite 1050, Mobile, AL, 36609, or by email at marcus.stacey@volkert.com.

Please call me at (251) 599-1974 should you have any questions or require any additional information.

Sincerely,



Marcus Stacey, P.E.

Enclosures

c Mr. Douglas Cote, P.E. - MAWSS



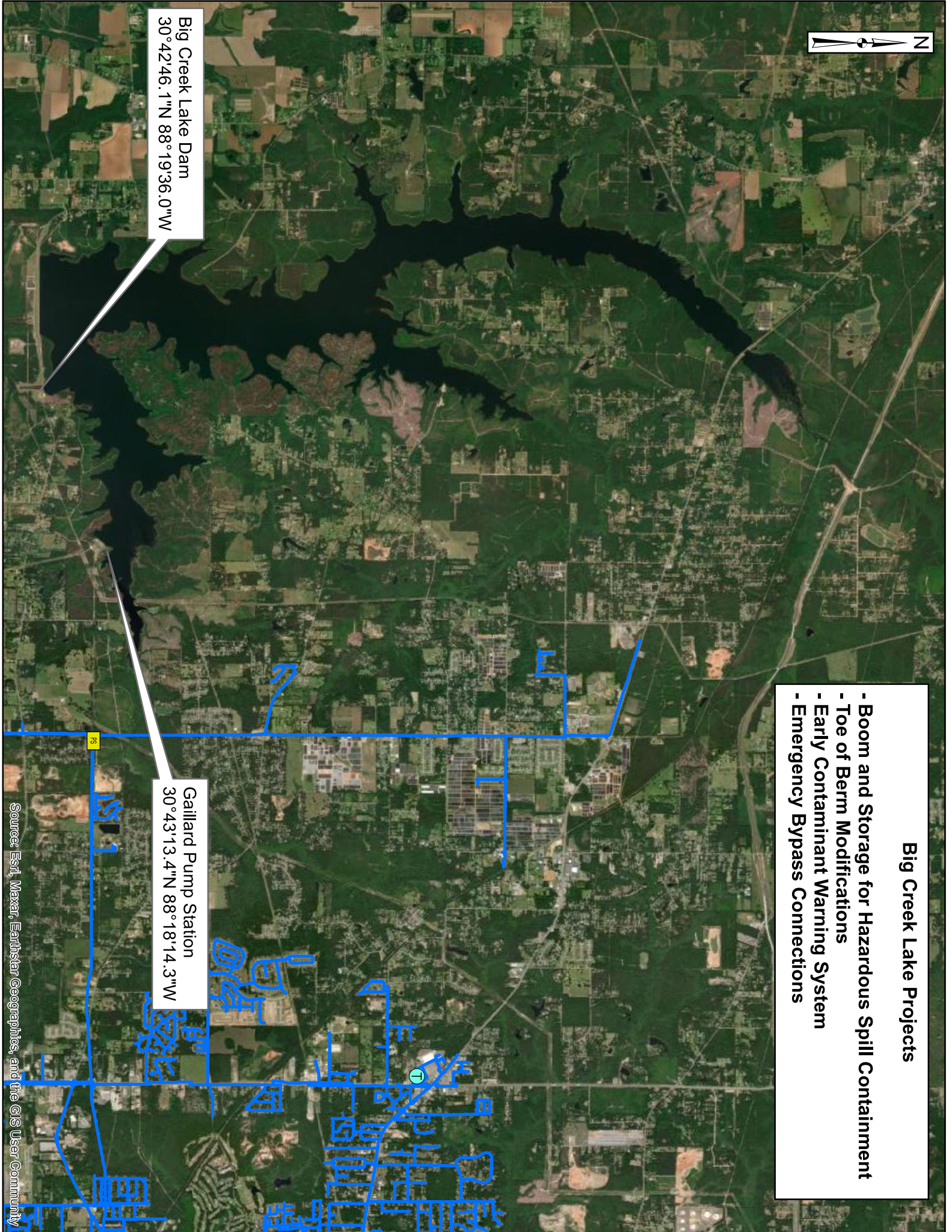
Big Creek Lake Dam
30°42'46.1"N 88°19'36.0"W

- Boom and Storage for Hazardous Spill Containment
- Toe of Berm Modifications
- Early Contaminant Warning System
- Emergency Bypass Connections

Big Creek Lake Projects

Galliard Pump Station
30°43'13.4"N 88°18'14.3"W

RS





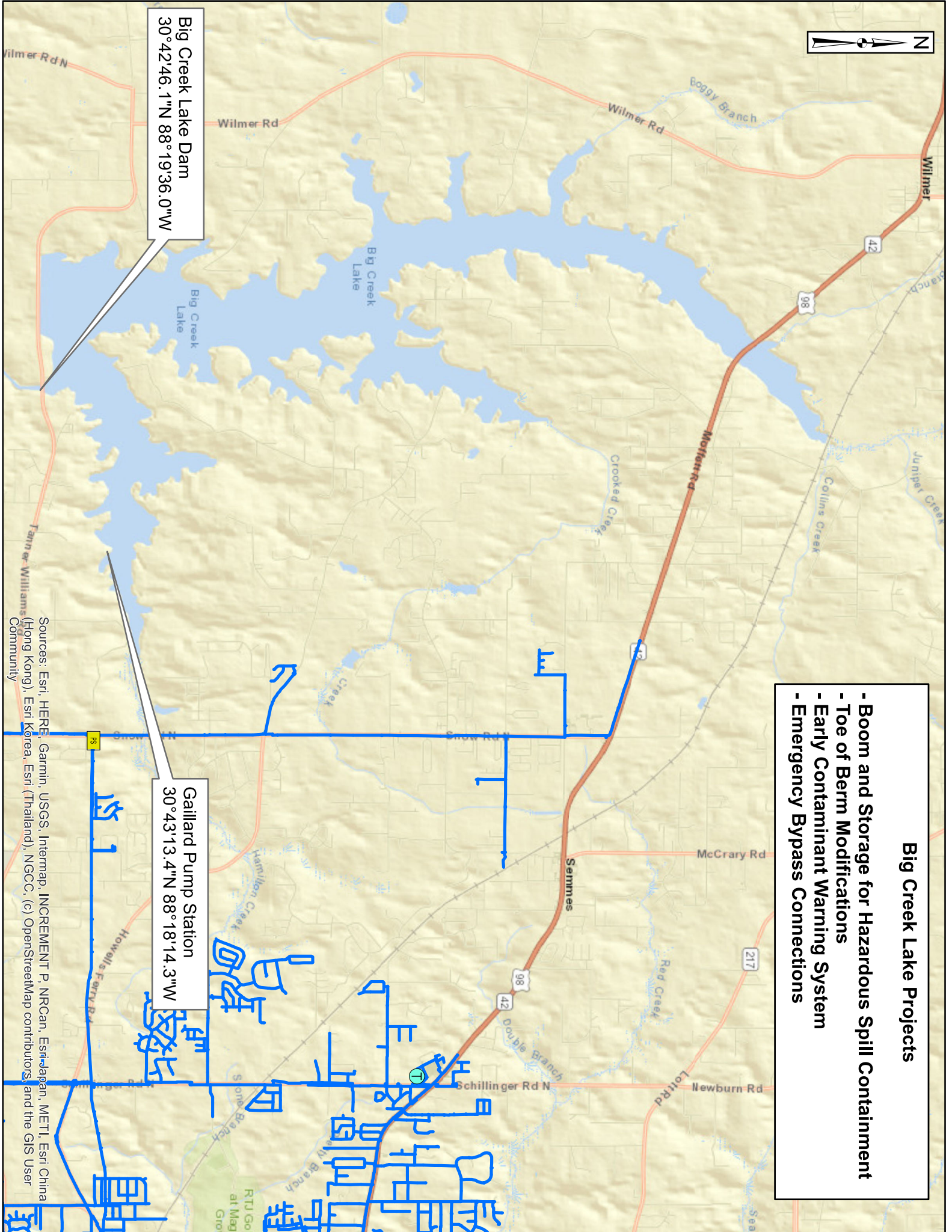
Big Creek Lake Projects

- Boom and Storage for Hazardous Spill Containment
- Toe of Berm Modifications
- Early Contaminant Warning System
- Emergency Bypass Connections

Big Creek Lake Dam
30°42'46.1"N 88°19'36.0"W

Gallard Pump Station
30°43'13.4"N 88°18'14.3"W

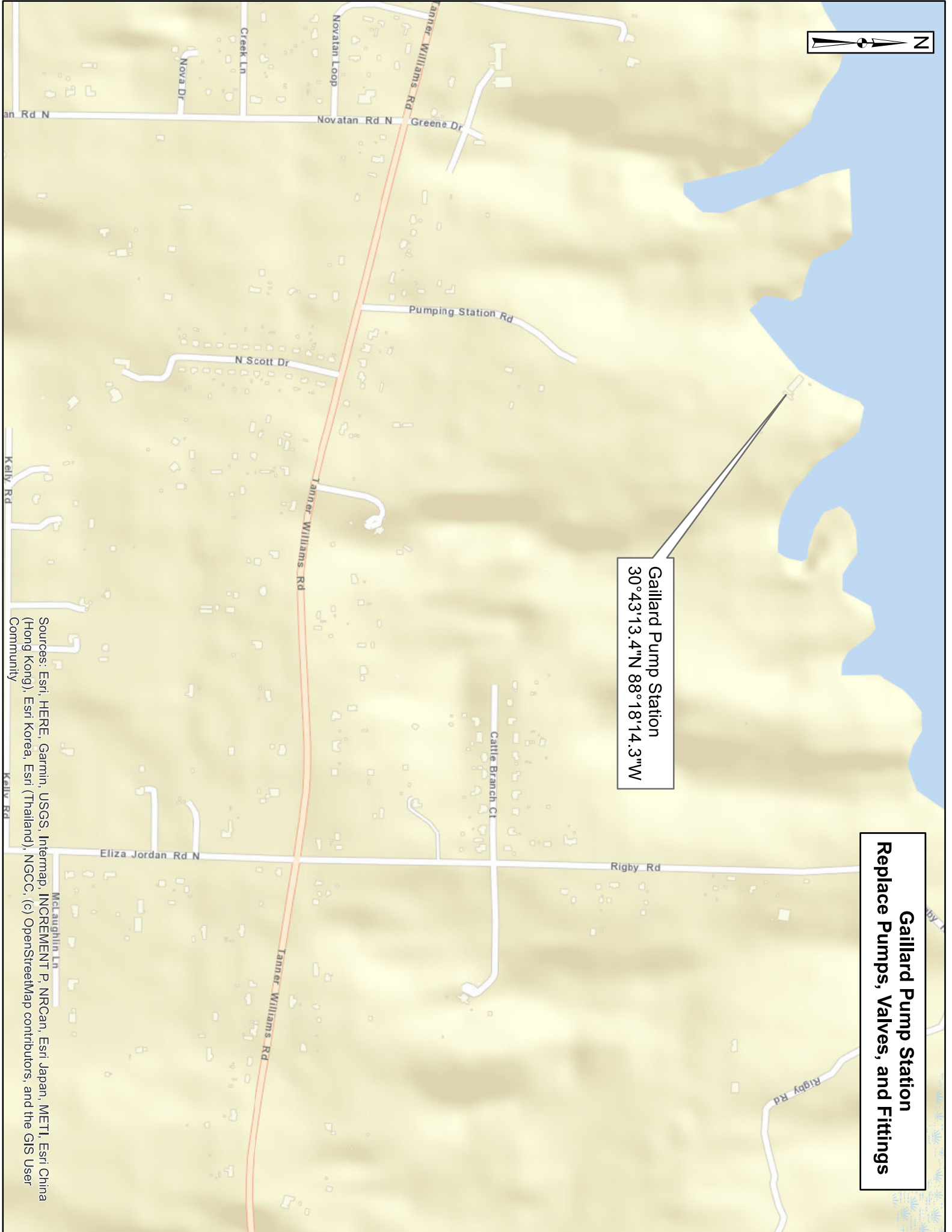
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri-Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community





**Gaillard Pump Station
Replace Pumps, Valves, and Fittings**

Gaillard Pump Station
30°43'13.4"N 88°18'14.3"W



Gaillard Pump Station
30°43'13.4"N 88°18'14.3"W

Gaillard Pump Station
Replace Pumps, Valves, and Fittings

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Alabama Ecological Services Field Office
1208 B Main Street
Daphne, AL 36526-4419
Phone: (251) 441-5181 Fax: (251) 441-6222
Email Address: alabama@fws.gov

In Reply Refer To:

September 08, 2023

Project Code: 2023-0126225

Project Name: Concurrence Request - MAWSS Master Plan Phase 2 DWSRF Loan Application
– Big Creek Lake Projects

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

Project consultation requests may be submitted by mail or email (Alabama@fws.gov). **Ensure that the Project Code in the header of this letter is clearly referenced in any request for consultation or correspondence submitted to our office.**

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered

species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf>

Migratory Birds: In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts see <https://www.fws.gov/program/migratory-bird-permit/what-we-do>.

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures see <https://www.fws.gov/library/collections/threats-birds>.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit <https://www.fws.gov/partner/council-conservation-migratory-birds>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. **Ensure that the Project Code in the header of this letter is clearly referenced with any request for consultation or correspondence about your project that you submit to our office.**

Attachment(s):

- Official Species List

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Alabama Ecological Services Field Office

1208 B Main Street

Daphne, AL 36526-4419

(251) 441-5181

PROJECT SUMMARY

Project Code: 2023-0126225
Project Name: Concurrence Request - MAWSS Master Plan Phase 2 DWSRF Loan Application – Big Creek Lake Projects
Project Type: Water Supply Facility - Maintenance / Modification
Project Description: The Board of Water and Sewer Commissioners of the City of Mobile, Alabama (MAWSS) is proposing to submit a Drinking Water State Revolving Fund (DWSRF) Loan Application to fund various water infrastructure improvements as part of Phase 2 of their Master Plan. Three of the projects included in this application involve Big Creek Lake, the drinking water source for the cities of Mobile, Prichard, and Spanish Fort. Two of the projects involve the pumps at the Gaillard Pump Station. The Gaillard projects would occur within the boundaries of the existing pump station site. Please see the project descriptions below.

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Please call me at (251) 599-1974 should you have any questions or require any additional information.

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@30.75904345,-88.34177247232064,14z>



Counties: Mobile County, Alabama

ENDANGERED SPECIES ACT SPECIES

There is a total of 6 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

MAMMALS

NAME	STATUS
Tricolored Bat <i>Perimyotis subflavus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/10515	Proposed Endangered

REPTILES

NAME	STATUS
Alligator Snapping Turtle <i>Macrochelys temminckii</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/4658	Proposed Threatened
Black Pinesnake <i>Pituophis melanoleucus lodingi</i> There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/452	Threatened
Eastern Indigo Snake <i>Drymarchon couperi</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/646	Threatened
Gopher Tortoise <i>Gopherus polyphemus</i> Population: Western DPS No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/6994	Threatened

INSECTS

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9743	Candidate

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

IPAC USER CONTACT INFORMATION

Agency: Private Entity
Name: Marcus Stacey
Address: 1110 Montlimar Drive, Suite 1050
City: Mobile
State: AL
Zip: 36609
Email: marcus.stacey@volkert.com
Phone: 2515991974

2023-0126225

Volkert, Inc.
1110 Montlimar Dr., Suite 1050
Mobile, AL 36609
(251) 342-1070
www.volkert.com



September 8, 2023

Project Name: MAWSS Master Plan Phase 2 DWSRF Loan Application – Big Creek Lake & Gaillard Pump Station Projects

Project Code: 2023-0126225

(Volkert Contract No. 1025601, Task No. 10)

Mr. Bill Pearson
Daphne ES Field Office
U.S. Fish and Wildlife Service
1208-B Main Street
Daphne, AL 36526

RE: DWSRF Loan Application Intergovernmental Review

Dear Mr. Pearson:

The Board of Water and Sewer Commissioners of the City of Mobile, Alabama (MAWSS) is proposing to submit a Drinking Water State Revolving Fund (DWSRF) Loan Application to fund various water infrastructure improvements as part of Phase 2 of their Master Plan. Three of the projects included in this application involve Big Creek Lake, the drinking water source for the cities of Mobile, Prichard, and Spanish Fort. Two of the projects involve the pumps at the Gaillard Pump Station. The Gaillard projects would occur within the boundaries of the existing pump station site. Please see the project descriptions below.

Big Creek Lake Boom and Storage for Hazardous Spill Containment

Big Creek Lake is the drinking water source for the Cities of Mobile, Prichard and Spanish Fort. The purpose of this project is to store boom at strategic locations around the lake for quick deployment in the event of a hazardous material spill into the lake. The boom will help contain the spill in an effort to prevent the spill from reaching the intakes at the Gaillard Pump Station.

Big Creek Lake Dam Toe of Berm Modifications

The purpose of this project is to increase the size of the toe of the berm for about 300 feet along the south side of the dam to provide additional protection from seepage and erosion under the dam and to further resist uplift pressures within the aforementioned length of the dam.

Big Creek Lake Early Contaminant Warning System

The Contaminant Warning System is a group of smart buoys containing instrumentation for sensing contaminants in the lake and sending alarms to operators when contaminants are present.

Big Creek Lake Emergency By-Pass Connections

Big Creek Lake is the drinking water source for the Cities of Mobile, Prichard and Spanish Fort. The by-pass connections make it possible for portable pumps to pump from the lake into the raw water force mains that feed the water treatment plants. This project is a contingency that will allow raw water from the lake to continue to be treated in the event the pumps station is rendered inoperable by hurricane, tornado, etc.

Replace Gaillard Pump Station Pumps, Valves, and Fittings

The pumps at the Gaillard Pump Station have reached the end of their useful life and need to be replaced. These pumps are critical, as they supply water from Big Creek Lake.

In accordance with the application, we are requesting that a response from your agency be provided in writing including any comments and concurrence with the proposed loans. Please direct your response to MAWSS, c/o Marcus Stacey, P.E., Volkert, Inc., 1110 Montlimar Dr., Suite 1050, Mobile, AL, 36609, or by email at marcus.stacey@volkert.com.

Please call me at (251) 599-1974 should you have any questions or require any additional information.

Sincerely,



Marcus Stacey, P.E.

Enclosures

c Mr. Douglas Cote, P.E. - MAWSS



U.S. Fish and Wildlife Service
1208-B Main Street – Daphne, Alabama 36526
Phone: 251-441-5181 Fax: 251-441-6222

No federally listed species/critical habitat are known to occur in the project area. As described, the project will have no significant impact on fish and wildlife resources. **IF PROJECT DESIGN CHANGES ARE MADE, PLEASE SUBMIT NEW PLANS FOR REVIEW.** We recommend use of best management practices specific to your project (See <https://www.fws.gov/project/best-management-practices-alabama>).


William J. Pearson, Field Supervisor
Field Supervisor
Alabama Ecological Services Field Office

SEP 26 2023

Date

3

September 7, 2023

Project Name: MAWSS Master Plan Phase 2 DWSRF Loan Application – Stickney WTP Projects

Project Code: 2023-0126188

(Volkert Contract No. 1025601, Task No. 10)

Mr. Bill Pearson
Daphne ES Field Office
U.S. Fish and Wildlife Service
1208-B Main Street
Daphne, AL 36526

RE: DWSRF Loan Application Intergovernmental Review

Dear Mr. Pearson:

The Board of Water and Sewer Commissioners of the City of Mobile, Alabama (MAWSS) is proposing to submit a Drinking Water State Revolving Fund (DWSRF) Loan Application to fund various water infrastructure improvements as part of Phase 2 of their Master Plan. Seven projects at the Stickney Water Treatment Plant will be included in this application, with four identified as alternate projects. Please see the project descriptions below. Work for these projects is currently proposed to be completed within the boundaries of the existing fence.

Stickney WTP Settling Basin Structural Rehab

The E.M. Stickney WTP, which was initially constructed in 1942 and increased in capacity in 1955 and 1976, is the primary of two WTPs in Mobile. It has a capacity to treat 60 mgd. Treated water from the plant is provided to the Cities of Mobile, Prichard and Spanish Fort. The plant's settling basins are reinforced concrete and have cracked and spalled overtime. General rehabilitation of the basins to seal them from leakage and prevent further deterioration is needed.

Stickney Filter Rehabilitation

The E.M. Stickney WTP, which was initially constructed in 1942 and increased in capacity in 1955 and 1976, is the primary of two WTPs in Mobile. It has a capacity to treat 60 mgd. Treated water from the plant is provided to the Cities of Mobile, Prichard and Spanish Fort. The aging plant needs filter rehabilitation which includes replacement of filter media, control panels, valves, actuators, alternate backwash water supply, etc.

Stickney On-Site Hypochlorite Generation

The E.M. Stickney WTP, which was initially constructed in 1942 and increased in capacity in 1955 and 1976, is the primary of two WTPs in Mobile. It has a capacity to treat 60 mgd. Treated water from the plant is provided to the Cities of Mobile, Prichard and Spanish Fort. The plant is located at the intersection of Moffett Road and Shelton Beach Road, a densely populated area. The purpose of this project is to change the plant from Chlorine Dioxide use, a hazardous gas, to Sodium Hypochlorite generation. Sodium Hypochlorite is essentially bleach, a much safer alternative to Chlorine Dioxide for both the surrounding community and the treatment plant operators.

Stickney WTP Liquid Lime Facility Installation (alternate project)

This project would replace the existing quicklime system with liquid lime. The existing quicklime system has several issues and needs to be overhauled (except for the new shaker). Liquid lime is a very pure product, readily available for injection, and is not likely to impact turbidity. Liquid lime systems tend to be more maintenance friendly than quicklime systems.

Stickney WTP Redundant Solids Clarifier (alternate project)

Installation of a redundant clarifier would provide a more robust solids handling system that can continue to operate when the existing duty clarifier is undergoing maintenance or provide additional storage in the event that solids cannot be pumped to the Myers WTP.

Water Treatment Plant Security Upgrades (alternate project)

This project would fund security upgrades at the Stickney and/or Myers Water Treatment Plants.

Water Treatment Plant Paving (alternate project)

This project would fund paving work at the Stickney and/or Myers Water Treatment Plants.

In accordance with the application, we are requesting that a response from your agency be provided in writing including any comments and concurrence with the proposed loans. Please direct your response to MAWSS, c/o Marcus Stacey, P.E., Volkert, Inc., 1110 Montlimar Dr., Suite 1050, Mobile, AL, 36609, or by email at marcus.stacey@volkert.com.

Please call me at (251) 599-1974 should you have any questions or require any additional information.

Sincerely,



Marcus Stacey, P.E.

Enclosures

c Mr. Douglas Cote, P.E. - MAWSS

- ### E.M. Stickney Water Treatment Plant Projects
- Settling Basin Structural Rehab
 - Filter Rehabilitation and SCADA
 - On-Site Hypochlorite Generation
 - Liquid Lime Facility Installation (alternate)
 - Redundant Solids Clarifier (alternate)
 - Security Upgrades (alternate)
 - Paving (alternate)

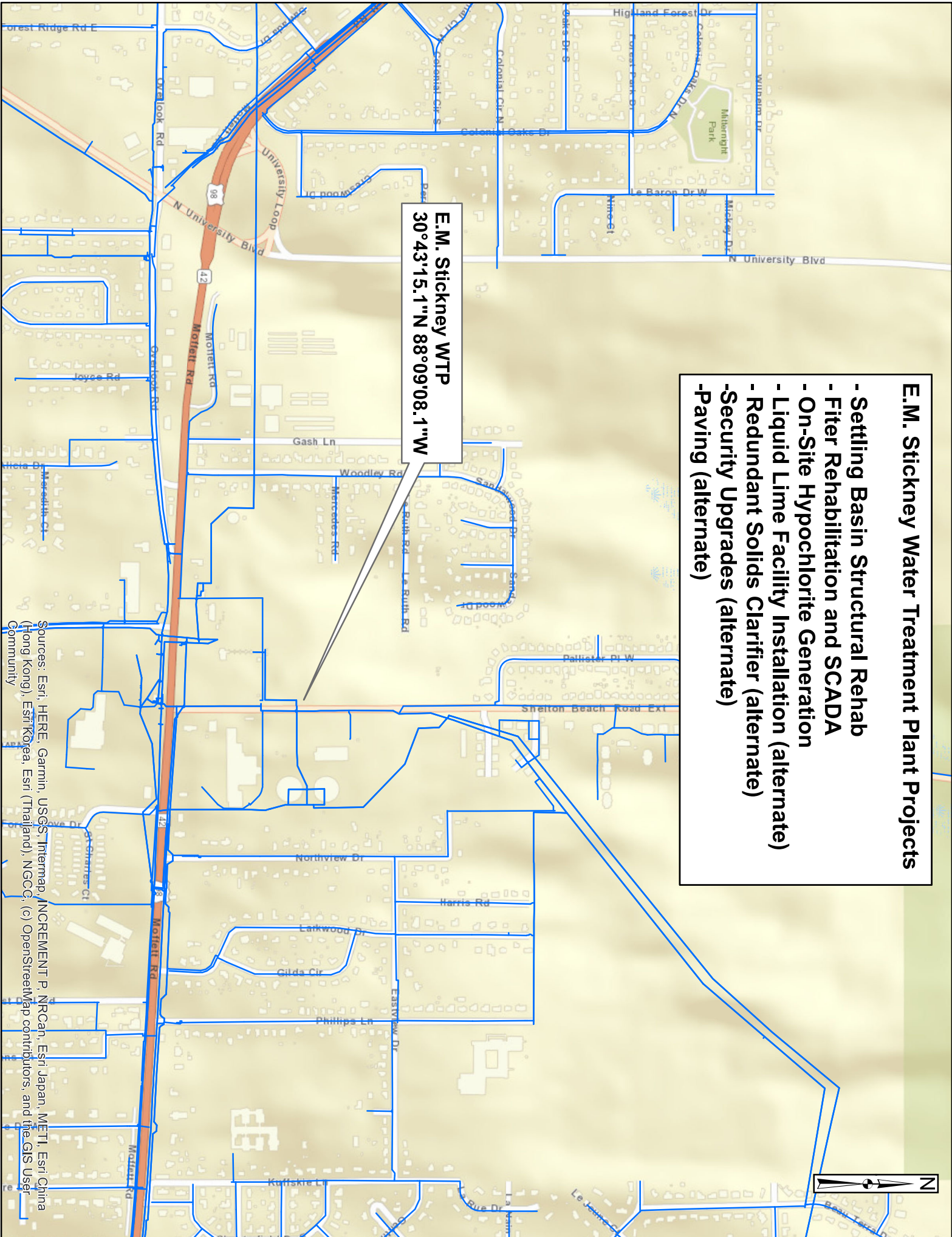
E.M. Stickney WTP
30°43'15.1"N 88°09'08.1"W



E.M. Stickney Water Treatment Plant Projects

- Settling Basin Structural Rehab
- Filter Rehabilitation and SCADA
- On-Site Hypochlorite Generation
- Liquid Lime Facility Installation (alternate)
- Redundant Solids Clarifier (alternate)
- Security Upgrades (alternate)
- Paving (alternate)

E.M. Stickney WTP
30°43'15.1"N 88°09'08.1"W



Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Alabama Ecological Services Field Office
1208 B Main Street
Daphne, AL 36526-4419
Phone: (251) 441-5181 Fax: (251) 441-6222
Email Address: alabama@fws.gov

In Reply Refer To:

September 07, 2023

Project Code: 2023-0126188

Project Name: Concurrence Request - MAWSS Master Plan Phase 2 DWSRF Loan Application
– Stickney WTP Projects

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

Project consultation requests may be submitted by mail or email (Alabama@fws.gov). **Ensure that the Project Code in the header of this letter is clearly referenced in any request for consultation or correspondence submitted to our office.**

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered

species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf>

Migratory Birds: In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts see <https://www.fws.gov/program/migratory-bird-permit/what-we-do>.

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures see <https://www.fws.gov/library/collections/threats-birds>.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit <https://www.fws.gov/partner/council-conservation-migratory-birds>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. **Ensure that the Project Code in the header of this letter is clearly referenced with any request for consultation or correspondence about your project that you submit to our office.**

Attachment(s):

- Official Species List

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Alabama Ecological Services Field Office
1208 B Main Street
Daphne, AL 36526-4419
(251) 441-5181

PROJECT SUMMARY

Project Code: 2023-0126188
Project Name: Concurrence Request - MAWSS Master Plan Phase 2 DWSRF Loan Application – Stickney WTP Projects
Project Type: Water Supply Facility - Maintenance / Modification
Project Description: The Board of Water and Sewer Commissioners of the City of Mobile, Alabama (MAWSS) is proposing to submit a Drinking Water State Revolving Fund (DWSRF) Loan Application to fund various water infrastructure improvements as part of Phase 2 of their Master Plan. Seven projects at the Stickney Water Treatment Plant will be included in this application, with four identified as alternate projects. Please see the project descriptions below. Work for these projects is currently proposed to be completed within the boundaries of the existing fence.

Stickney WTP Settling Basin Structural Rehab

The E.M. Stickney WTP, which was initially constructed in 1942 and increased in capacity in 1955 and 1976, is the primary of two WTPs in Mobile. It has a capacity to treat 60 mgd. Treated water from the plant is provided to the Cities of Mobile, Prichard and Spanish Fort. The plant's settling basins are reinforced concrete and have cracked and spalled overtime. General rehabilitation of the basins to seal them from leakage and prevent further deterioration is needed.

Stickney Filter Rehabilitation

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The E.M. Stickney WTP, which was initially constructed in 1942 and increased in capacity in 1955 and 1976, is the primary of two WTPs in Mobile. It has a capacity to treat 60 mgd. Treated water from the plant is provided to the Cities of Mobile, Prichard and Spanish Fort. The plant is located at the intersection of Moffett Road and Shelton Beach Road, a densely populated area. The purpose of this project is to change the plant from Chlorine Dioxide use, a hazardous gas, to Sodium Hypochlorite generation. Sodium Hypochlorite is essentially bleach, a much safer alternative to Chlorine Dioxide for both the surrounding community and the treatment plant operators.

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Stickney WTP Redundant Solids Clarifier (alternate project)

Installation of a redundant clarifier would provide a more robust solids handling system that can continue to operate when the existing duty clarifier is undergoing maintenance or provide additional storage in the event that solids cannot be pumped to the Myers WTP.

Water Treatment Plant Security Upgrades (alternate project)

This project would fund security upgrades at the Stickney and/or Myers Water Treatment Plants.

Water Treatment Plant Paving (alternate project)

This project would fund paving work at the Stickney and/or Myers Water Treatment Plants.

In accordance with the application, we are requesting that a response from your agency be provided in writing including any comments and concurrence with the proposed loans. Please direct your response to MAWSS, c/o Marcus Stacey, P.E., Volkert, Inc., 1110 Montlimar Dr., Suite 1050, Mobile, AL, 36609, or by email at marcus.stacey@volkert.com.

Please call me at (251) 599-1974 should you have any questions or require any additional information.

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@30.722349299999998,-88.15343718150791,14z>



Counties: Mobile County, Alabama

ENDANGERED SPECIES ACT SPECIES

There is a total of 7 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

MAMMALS

NAME	STATUS
Tricolored Bat <i>Perimyotis subflavus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/10515	Proposed Endangered

REPTILES

NAME	STATUS
Alligator Snapping Turtle <i>Macrochelys temminckii</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/4658	Proposed Threatened
Black Pinesnake <i>Pituophis melanoleucus lodingi</i> There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/452	Threatened
Eastern Indigo Snake <i>Drymarchon couperi</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/646	Threatened
Gopher Tortoise <i>Gopherus polyphemus</i> Population: Western DPS No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/6994	Threatened

FISHES

NAME	STATUS
Gulf Sturgeon <i>Acipenser oxyrinchus (=oxyrhynchus) desotoi</i> There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/651	Threatened

INSECTS

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9743	Candidate

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

IPAC USER CONTACT INFORMATION

Agency: Private Entity
Name: Marcus Stacey
Address: 1110 Montlimar Drive, Suite 1050
City: Mobile
State: AL
Zip: 36609
Email: marcus.stacey@volkert.com
Phone: 2515991974

ES

Volkert, Inc.
1110 Montlimar Dr., Suite 1050
Mobile, AL 36609
(251) 342-1070
www.volkert.com



2023-0126188

September 7, 2023

Project Name: MAWSS Master Plan Phase 2 DWSRF Loan Application – Stickney WTP Projects

Project Code: 2023-0126188

(Volkert Contract No. 1025601, Task No. 10)

Mr. Bill Pearson
Daphne ES Field Office
U.S. Fish and Wildlife Service
1208-B Main Street
Daphne, AL 36526

RE: DWSRF Loan Application Intergovernmental Review

Dear Mr. Pearson:

The Board of Water and Sewer Commissioners of the City of Mobile, Alabama (MAWSS) is proposing to submit a Drinking Water State Revolving Fund (DWSRF) Loan Application to fund various water infrastructure improvements as part of Phase 2 of their Master Plan. Seven projects at the Stickney Water Treatment Plant will be included in this application, with four identified as alternate projects. Please see the project descriptions below. Work for these projects is currently proposed to be completed within the boundaries of the existing fence.

Stickney WTP Settling Basin Structural Rehab

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Stickney Filter Rehabilitation

The E.M. Stickney WTP, which was initially constructed in 1942 and increased in capacity in 1955 and 1976, is the primary of two WTPs in Mobile. It has a capacity to treat 60 mgd. Treated water from the plant is provided to the Cities of Mobile, Prichard and Spanish Fort. The aging plant needs filter rehabilitation which includes replacement of filter media, control panels, valves, actuators, alternate backwash water supply, etc.

Stickney On-Site Hypochlorite Generation

The E.M. Stickney WTP, which was initially constructed in 1942 and increased in capacity in 1955 and 1976, is the primary of two WTPs in Mobile. It has a capacity to treat 60 mgd. Treated water from the plant is provided to the Cities of Mobile, Prichard and Spanish Fort. The plant is located at the intersection of Moffett Road and Shelton Beach Road, a densely populated area. The purpose of this project is to change the plant from Chlorine Dioxide use, a hazardous gas, to Sodium Hypochlorite generation. Sodium Hypochlorite is essentially bleach, a much safer alternative to Chlorine Dioxide for both the surrounding community and the treatment plant operators.

Stickney WTP Liquid Lime Facility Installation (alternate project)

This project would replace the existing quicklime system with liquid lime. The existing quicklime system has several issues and needs to be overhauled (except for the new shaker). Liquid lime is a very pure product, readily available for injection, and is not likely to impact turbidity. Liquid lime systems tend to be more maintenance friendly than quicklime systems.

Stickney WTP Redundant Solids Clarifier (alternate project)

Installation of a redundant clarifier would provide a more robust solids handling system that can continue to operate when the existing duty clarifier is undergoing maintenance or provide additional storage in the event that solids cannot be pumped to the Myers WTP.

Water Treatment Plant Security Upgrades (alternate project)

This project would fund security upgrades at the Stickney and/or Myers Water Treatment Plants.

Water Treatment Plant Paving (alternate project)

This project would fund paving work at the Stickney and/or Myers Water Treatment Plants.

In accordance with the application, we are requesting that a response from your agency be provided in writing including any comments and concurrence with the proposed loans. Please direct your response to MAWSS, c/o Marcus Stacey, P.E., Volkert, Inc., 1110 Montlimar Dr., Suite 1050, Mobile, AL, 36609, or by email at marcus.stacey@volkert.com.

Please call me at (251) 599-1974 should you have any questions or require any additional information.

Sincerely,



Marcus Stacey, P.E.

Enclosures

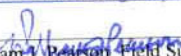
c Mr. Douglas Cote, P.E. - MAWSS



U.S. Fish and Wildlife Service
1208-B Main Street - Daphne, Alabama 36526
Phone: 251-441-5181 Fax: 251-441-6222

No federally listed species/critical habitat are known to occur in the project area. As described, the project will have no significant impact on fish and wildlife resources. IF PROJECT DESIGN CHANGES ARE MADE, PLEASE SUBMIT NEW PLANS FOR REVIEW. We recommend use of best management practices specific to your project (See <https://www.fws.gov/project/best-management-practices-alabama>).

SEP 26 2023


William J. Pearson, Field Supervisor

Date

3

William J. Pearson
Field Supervisor
Ecological Services Field Office

September 7, 2023

Project Name: MAWSS Master Plan Phase 2 DWSRF Loan Application – Myers WTP Projects

Project Code: 2023-0126203

(Volkert Contract No. 1025601, Task No. 10)

Mr. Bill Pearson
Daphne ES Field Office
U.S. Fish and Wildlife Service
1208-B Main Street
Daphne, AL 36526

RE: DWSRF Loan Application Intergovernmental Review

Dear Mr. Pearson:

The Board of Water and Sewer Commissioners of the City of Mobile, Alabama (MAWSS) is proposing to submit a Drinking Water State Revolving Fund (DWSRF) Loan Application to fund various water infrastructure improvements as part of Phase 2 of their Master Plan. Three projects at the Myers Water Treatment Plant will be included in this application, with two identified as alternate projects. Please see the project descriptions below. Work for these projects is currently proposed to be completed within the boundaries of the existing fence.

Myers WTP Filter Rehabilitation

The H.E. Myers WTP has a rated Capacity of 30 mgd. The plant went into operation in 1989. It was constructed to serve portions of West Mobile and provide a backup to the Stickney WTP. The Myers WTP needs filter rehabilitation which includes replacing filter media, controls, valves, actuators, media underdrains and adding an air scour system.

Water Treatment Plant Security Upgrades (alternate project)

This project would fund security upgrades at the Stickney and/or Myers Water Treatment Plants.

Water Treatment Plant Paving (alternate project)

This project would fund paving work at the Stickney and/or Myers Water Treatment Plants.

In accordance with the application, we are requesting that a response from your agency be provided in writing including any comments and concurrence with the proposed loans. Please direct your response to MAWSS, c/o Marcus Stacey, P.E., Volkert, Inc., 1110 Montlimar Dr., Suite 1050, Mobile, AL, 36609, or by email at marcus.stacey@volkert.com.

Please call me at (251) 599-1974 should you have any questions or require any additional information.

Sincerely,

A handwritten signature in cursive script, appearing to read "Marcus Stacey".

Marcus Stacey, P.E.

Enclosures

c Mr. Douglas Cote, P.E. - MAWSS



H.E. Myers Water Treatment Plant Projects
-Filter Rehabilitation
-Security Upgrades (alternate)
-Paving (alternate)

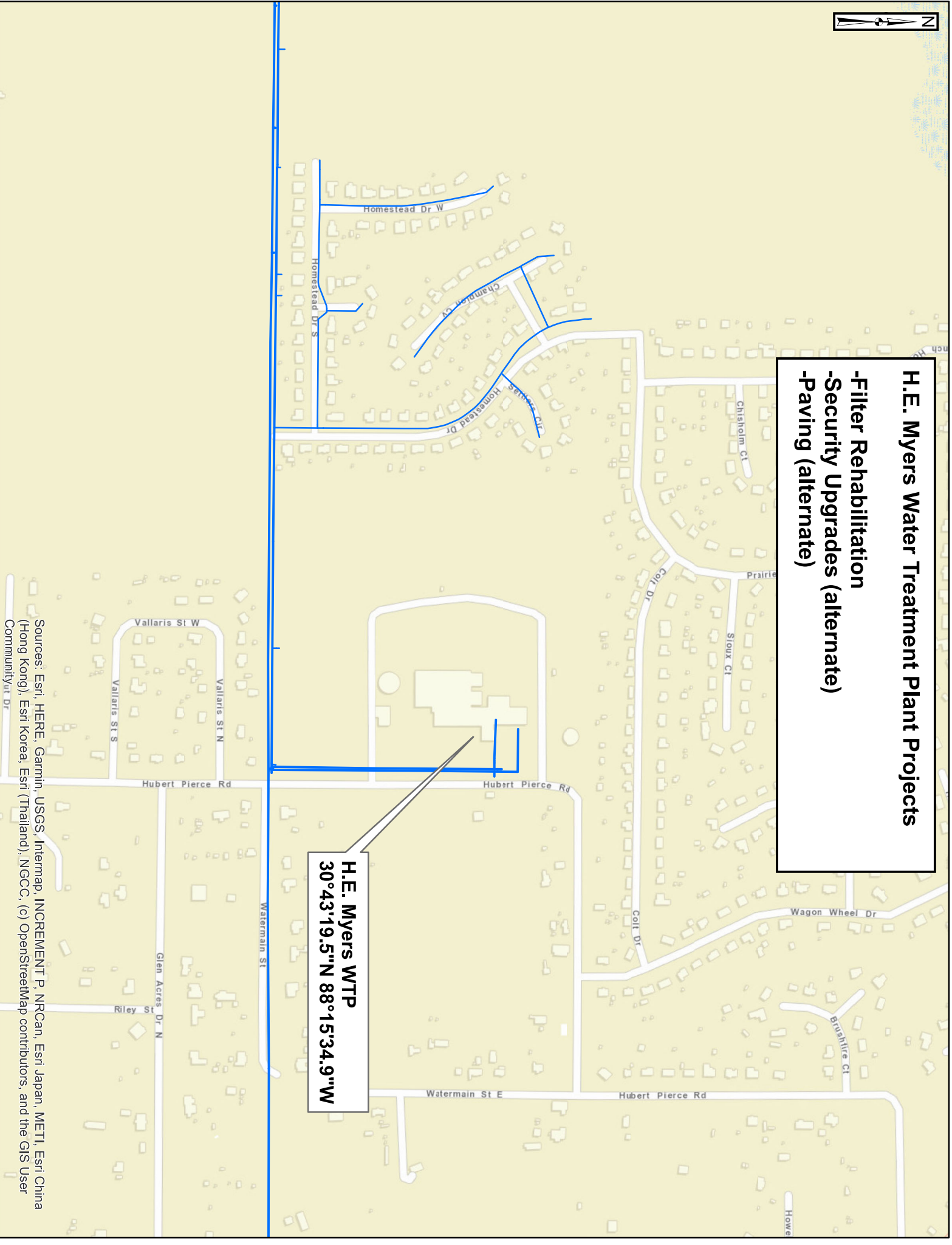
H.E. Myers WTP
30°43'19.5"N 88°15'34.9"W





H.E. Myers Water Treatment Plant Projects
-Filter Rehabilitation
-Security Upgrades (alternate)
-Paving (alternate)

H.E. Myers WTP
30°43'19.5"N 88°15'34.9"W



Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Alabama Ecological Services Field Office
1208 B Main Street
Daphne, AL 36526-4419
Phone: (251) 441-5181 Fax: (251) 441-6222
Email Address: alabama@fws.gov

In Reply Refer To:

September 07, 2023

Project Code: 2023-0126203

Project Name: Concurrence Request - MAWSS Master Plan Phase 2 DWSRF Loan Application
– Myers WTP Projects

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

Project consultation requests may be submitted by mail or email (Alabama@fws.gov). **Ensure that the Project Code in the header of this letter is clearly referenced in any request for consultation or correspondence submitted to our office.**

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered

species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf>

Migratory Birds: In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts see <https://www.fws.gov/program/migratory-bird-permit/what-we-do>.

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures see <https://www.fws.gov/library/collections/threats-birds>.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit <https://www.fws.gov/partner/council-conservation-migratory-birds>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. **Ensure that the Project Code in the header of this letter is clearly referenced with any request for consultation or correspondence about your project that you submit to our office.**

Attachment(s):

- Official Species List

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Alabama Ecological Services Field Office

1208 B Main Street

Daphne, AL 36526-4419

(251) 441-5181

PROJECT SUMMARY

Project Code: 2023-0126203
Project Name: Concurrence Request - MAWSS Master Plan Phase 2 DWSRF Loan Application – Myers WTP Projects
Project Type: Water Supply Facility - Maintenance / Modification
Project Description: The Board of Water and Sewer Commissioners of the City of Mobile, Alabama (MAWSS) is proposing to submit a Drinking Water State Revolving Fund (DWSRF) Loan Application to fund various water infrastructure improvements as part of Phase 2 of their Master Plan. Three projects at the Myers Water Treatment Plant will be included in this application, with two identified as alternate projects. Please see the project descriptions below. Work for these projects is currently proposed to be completed within the boundaries of the existing fence.

Myers WTP Filter Rehabilitation

The H.E. Myers WTP has a rated Capacity of 30 mgd. The plant went into operation in 1989.

It was constructed to serve portions of West Mobile and provide a backup to the Stickney WTP.

The Myers WTP needs filter rehabilitation which includes replacing filter media, controls, valves, actuators, media underdrains and adding an air scour system.

Water Treatment Plant Security Upgrades (alternate project)

This project would fund security upgrades at the Stickney and/or Myers Water Treatment Plants.

Water Treatment Plant Paving (alternate project)

This project would fund paving work at the Stickney and/or Myers Water Treatment Plants.

In accordance with the application, we are requesting that a response from your agency be provided in writing including any comments and concurrence with the proposed loans. Please direct your response to MAWSS, c/o Marcus Stacey, P.E., Volkert, Inc., 1110 Montlimar Dr., Suite 1050, Mobile, AL, 36609, or by email at marcus.stacey@volkert.com.

Please call me at (251) 599-1974 should you have any questions or require any additional information.

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@30.7212794,-88.26141371103112,14z>



Counties: Mobile County, Alabama

ENDANGERED SPECIES ACT SPECIES

There is a total of 6 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

MAMMALS

NAME	STATUS
Tricolored Bat <i>Perimyotis subflavus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/10515	Proposed Endangered

REPTILES

NAME	STATUS
Alligator Snapping Turtle <i>Macrochelys temminckii</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/4658	Proposed Threatened
Black Pinesnake <i>Pituophis melanoleucus lodingi</i> There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/452	Threatened
Eastern Indigo Snake <i>Drymarchon couperi</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/646	Threatened
Gopher Tortoise <i>Gopherus polyphemus</i> Population: Western DPS No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/6994	Threatened

INSECTS

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9743	Candidate

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

IPAC USER CONTACT INFORMATION

Agency: Volkert, Inc.
Name: Marcus Stacey
Address: 1110 Montlimar Drive, Suite 1050
City: Mobile
State: AL
Zip: 36609
Email: marcus.stacey@volkert.com
Phone: 2515991974

ES

Volkert, Inc.
1110 Montlimar Dr., Suite 1050
Mobile, AL 36609
(251) 342-1070
www.volkert.com



2023-0126203

September 7, 2023

Project Name: MAWSS Master Plan Phase 2 DWSRF Loan Application – Myers WTP Projects

Project Code: 2023-0126203

(Volkert Contract No. 1025601, Task No. 10)

Mr. Bill Pearson
Daphne ES Field Office
U.S. Fish and Wildlife Service
1208-B Main Street
Daphne, AL 36526



U.S. Fish and Wildlife Service
1208-B Main Street – Daphne, Alabama 36526
Phone: 251-441-5181 Fax: 251-441-6222

No federally listed species/critical habitat are known to occur in the project area. As described, the project will have no significant impact on fish and wildlife resources. **IF PROJECT DESIGN CHANGES ARE MADE, PLEASE SUBMIT NEW PLANS FOR REVIEW.** We recommend use of best management practices specific to your project (See <https://www.fws.gov/project/best-management-practices-alabama>).

William J. Pearson

William J. Pearson, Field Supervisor

Field Supervisor
Alabama Ecological Services Field Office

SEP 26 2023

Date

3

RE: DWSRF Loan Application Intergovernme.

Dear Mr. Pearson:

The Board of Water and Sewer Commissioners of the City of Mobile, Alabama (MAWSS) is proposing to submit a Drinking Water State Revolving Fund (DWSRF) Loan Application to fund various water infrastructure improvements as part of Phase 2 of their Master Plan. Three projects at the Myers Water Treatment Plant will be included in this application, with two identified as alternate projects. Please see the project descriptions below. Work for these projects is currently proposed to be completed within the boundaries of the existing fence.

Myers WTP Filter Rehabilitation

The H.E. Myers WTP has a rated Capacity of 30 mgd. The plant went into operation in 1989. It was constructed to serve portions of West Mobile and provide a backup to the Stickney WTP. The Myers WTP needs filter rehabilitation which includes replacing filter media, controls, valves, actuators, media underdrains and adding an air scour system.

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This project would fund security upgrades at the Stickney and/or Myers Water Treatment Plants.

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In accordance with the application, we are requesting that a response from your agency be provided in writing including any comments and concurrence with the proposed loans. Please direct your response to MAWSS, c/o Marcus Stacey, P.E., Volkert, Inc., 1110 Montlimar Dr., Suite 1050, Mobile, AL, 36609, or by email at marcus.stacey@volkert.com.

Please call me at (251) 599-1974 should you have any questions or require any additional information.

Sincerely,

A handwritten signature in cursive script, appearing to read "Marcus Stacey".

Marcus Stacey, P.E.

Enclosures

c Mr. Douglas Cote, P.E. - MAWSS

September 11, 2023

Project Name: MAWSS Master Plan Phase 2 DWSRF Loan Application – Secondary Raw Water Source Treatment and Conveyance Systems

Project Code: 2023-0126964

(Volkert Contract No. 1025601, Task No. 10)

Mr. Bill Pearson
Daphne ES Field Office
U.S. Fish and Wildlife Service
1208-B Main Street
Daphne, AL 36526

RE: DWSRF Loan Application Intergovernmental Review

Dear Mr. Pearson:

The Board of Water and Sewer Commissioners of the City of Mobile, Alabama (MAWSS) is proposing to submit a Drinking Water State Revolving Fund (DWSRF) Loan Application to fund various water infrastructure improvements as part of Phase 2 of their Master Plan. One of the alternate projects included in this application would fund the required testing to permit the Mobile River as a secondary source of raw water for treatment at the Stickney Water Treatment Plant. This project would also involve infrastructure improvements necessary to pump raw water to the Stickney WTP. The existing Bucks Pumping Station location would be utilized for this project. This project is in the preliminary stages and as design progresses if needed the design engineer could contact your office at the appropriate time with additional information.

In accordance with the application, we are requesting that a response from your agency be provided in writing including any comments and concurrence with the proposed loans. Please direct your response to MAWSS, c/o Marcus Stacey, P.E., Volkert, Inc., 1110 Montlimar Dr., Suite 1050, Mobile, AL, 36609, or by email at marcus.stacey@volkert.com.

Please call me at (251) 599-1974 should you have any questions or require any additional information.

Sincerely,



Marcus Stacey, P.E.

Enclosures

c Mr. Douglas Cote, P.E. - MAWSS

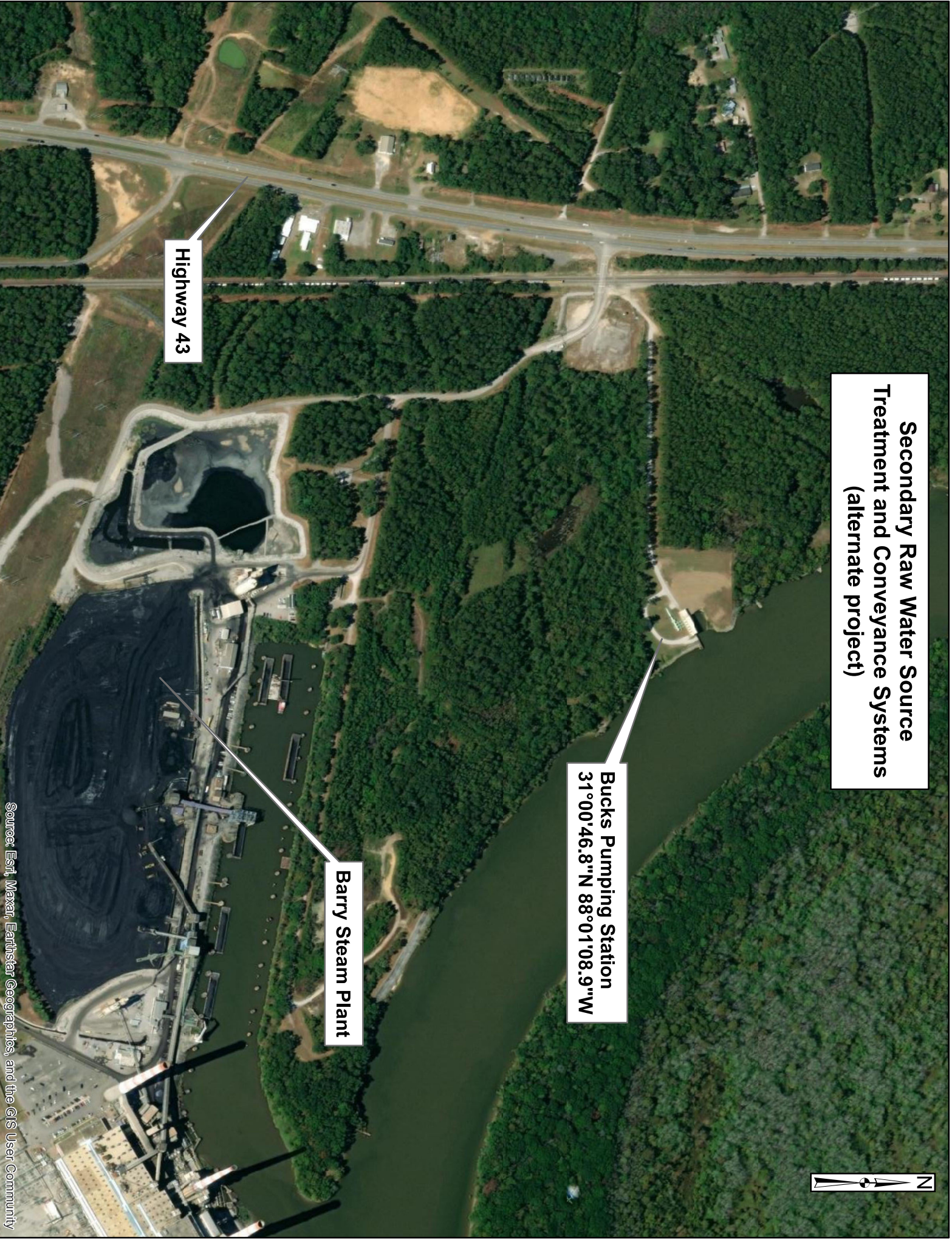
**Secondary Raw Water Source
Treatment and Conveyance Systems
(alternate project)**



Bucks Pumping Station
31°00'46.8"N 88°01'08.9"W

Barry Steam Plant

Highway 43



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

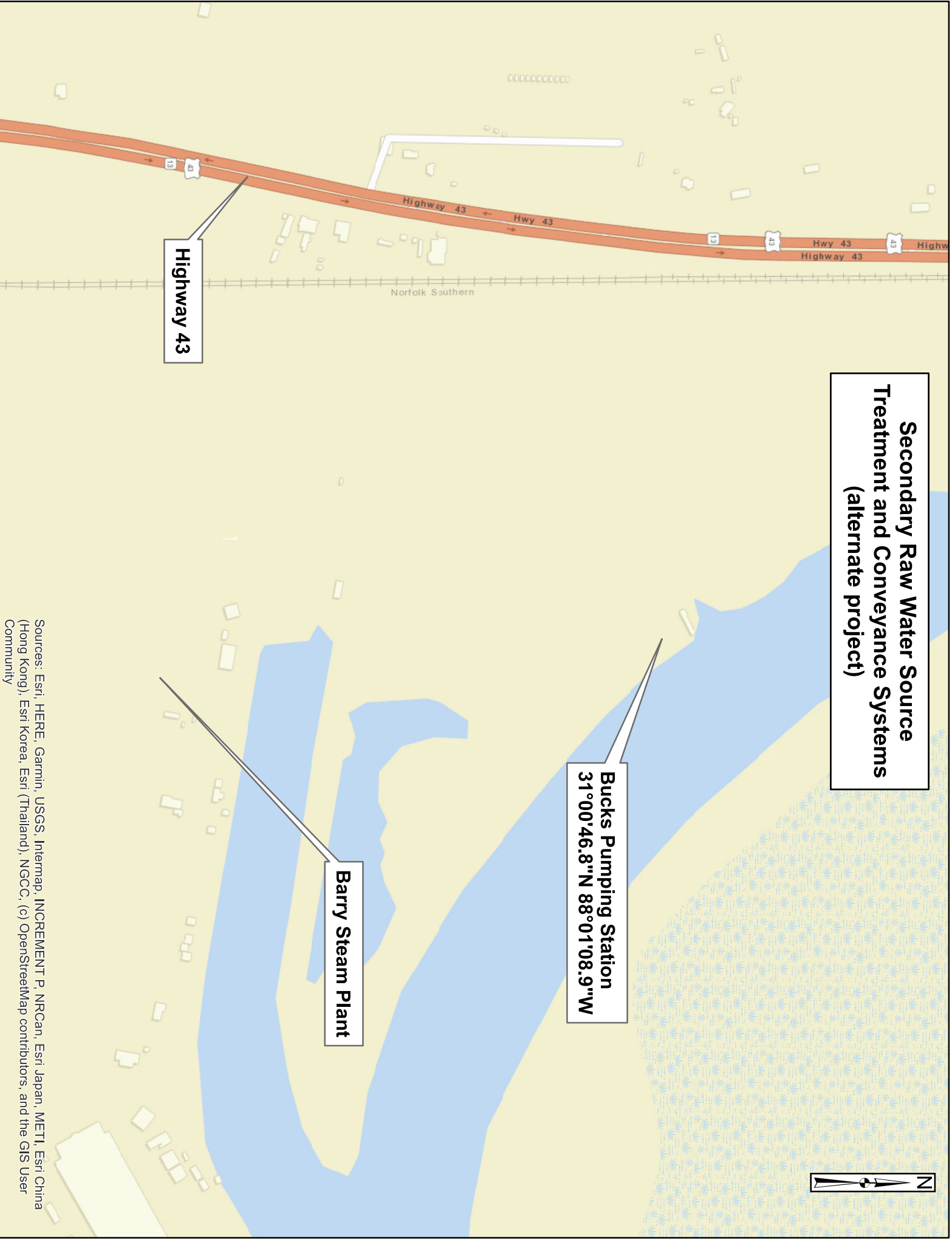
**Secondary Raw Water Source
Treatment and Conveyance Systems
(alternate project)**



Bucks Pumping Station
31°00'46.8"N 88°01'08.9"W

Barry Steam Plant

Highway 43



Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Alabama Ecological Services Field Office
1208 B Main Street
Daphne, AL 36526-4419
Phone: (251) 441-5181 Fax: (251) 441-6222
Email Address: alabama@fws.gov

In Reply Refer To:

September 11, 2023

Project Code: 2023-0126964

Project Name: Concurrence Request - MAWSS Master Plan Phase 2 DWSRF Loan Application
– Secondary Raw Water Source

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

Project consultation requests may be submitted by mail or email (Alabama@fws.gov). **Ensure that the Project Code in the header of this letter is clearly referenced in any request for consultation or correspondence submitted to our office.**

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered

species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf>

Migratory Birds: In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts see <https://www.fws.gov/program/migratory-bird-permit/what-we-do>.

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures see <https://www.fws.gov/library/collections/threats-birds>.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit <https://www.fws.gov/partner/council-conservation-migratory-birds>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. **Ensure that the Project Code in the header of this letter is clearly referenced with any request for consultation or correspondence about your project that you submit to our office.**

Attachment(s):

- Official Species List

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Alabama Ecological Services Field Office

1208 B Main Street

Daphne, AL 36526-4419

(251) 441-5181

PROJECT SUMMARY

Project Code: 2023-0126964
Project Name: Concurrence Request - MAWSS Master Plan Phase 2 DWSRF Loan Application – Secondary Raw Water Source
Project Type: Water Supply Facility - Maintenance / Modification
Project Description: The Board of Water and Sewer Commissioners of the City of Mobile, Alabama (MAWSS) is proposing to submit a Drinking Water State Revolving Fund (DWSRF) Loan Application to fund various water infrastructure improvements as part of Phase 2 of their Master Plan. One of the alternate projects included in this application would fund the required testing to permit the Mobile River as a secondary source of raw water for treatment at the Stickney Water Treatment Plant. This project would also involve infrastructure improvements necessary to pump raw water to the Stickney WTP. The existing Bucks Pumping Station location would be utilized for this project. This project is in the preliminary stages and as design progresses if needed the design engineer could contact your office at the appropriate time with additional information.

In accordance with the application, we are requesting that a response from your agency be provided in writing including any comments and concurrence with the proposed loans. Please direct your response to MAWSS, c/o Marcus Stacey, P.E., Volkert, Inc., 1110 Montlimar Dr., Suite 1050, Mobile, AL, 36609, or by email at marcus.stacey@volkert.com.

Please call me at (251) 599-1974 should you have any questions or require any additional information.

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@31.012828499999998,-88.01941603550628,14z>



Counties: Mobile County, Alabama

ENDANGERED SPECIES ACT SPECIES

There is a total of 8 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

MAMMALS

NAME	STATUS
Tricolored Bat <i>Perimyotis subflavus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/10515	Proposed Endangered
West Indian Manatee <i>Trichechus manatus</i> There is final critical habitat for this species. Your location does not overlap the critical habitat. <i>This species is also protected by the Marine Mammal Protection Act, and may have additional consultation requirements.</i> Species profile: https://ecos.fws.gov/ecp/species/4469	Threatened

REPTILES

NAME	STATUS
Alabama Red-bellied Turtle <i>Pseudemys alabamensis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/1494	Endangered
Alligator Snapping Turtle <i>Macrochelys temminckii</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/4658	Proposed Threatened
Eastern Indigo Snake <i>Drymarchon couperi</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/646	Threatened
Gopher Tortoise <i>Gopherus polyphemus</i> Population: Western DPS No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/6994	Threatened

FISHES

NAME	STATUS
Gulf Sturgeon <i>Acipenser oxyrinchus (=oxyrhynchus) desotoi</i> There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/651	Threatened

INSECTS

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9743	Candidate

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

IPAC USER CONTACT INFORMATION

Agency: Volkert, Inc.
Name: Marcus Stacey
Address: 1110 Montlimar Drive, Suite 1050
City: Mobile
State: AL
Zip: 36609
Email: marcus.stacey@volkert.com
Phone: 2515991974

September 11, 2023

Project Name: MAWSS Master Plan Phase 2 DWSRF Loan Application – Various Water Main and Valve Replacements

Project Code: 2023-0126966

(Volkert Contract No. 1025601, Task No. 10)

Mr. Bill Pearson
Daphne ES Field Office
U.S. Fish and Wildlife Service
1208-B Main Street
Daphne, AL 36526

RE: DWSRF Loan Application Intergovernmental Review

Dear Mr. Pearson:

The Board of Water and Sewer Commissioners of the City of Mobile, Alabama (MAWSS) is proposing to submit a Drinking Water State Revolving Fund (DWSRF) Loan Application to fund various water infrastructure improvements as part of Phase 2 of their Master Plan. Two projects to replace various critical valves and water mains throughout MAWSS water distribution system will be included as alternate projects. Work for both projects is currently proposed to be completed within existing public right of ways or MAWSS easements. Excavations for the valve and main replacements will occur in ground that was previously disturbed in order for the existing valves and mains to be installed.

In accordance with the application, we are requesting that a response from your agency be provided in writing including any comments and concurrence with the proposed loans. Please direct your response to MAWSS, c/o Marcus Stacey, P.E., Volkert, Inc., 1110 Montlimar Dr., Suite 1050, Mobile, AL, 36609, or by email at marcus.stacey@volkert.com.

Please call me at (251) 599-1974 should you have any questions or require any additional information.

Sincerely,

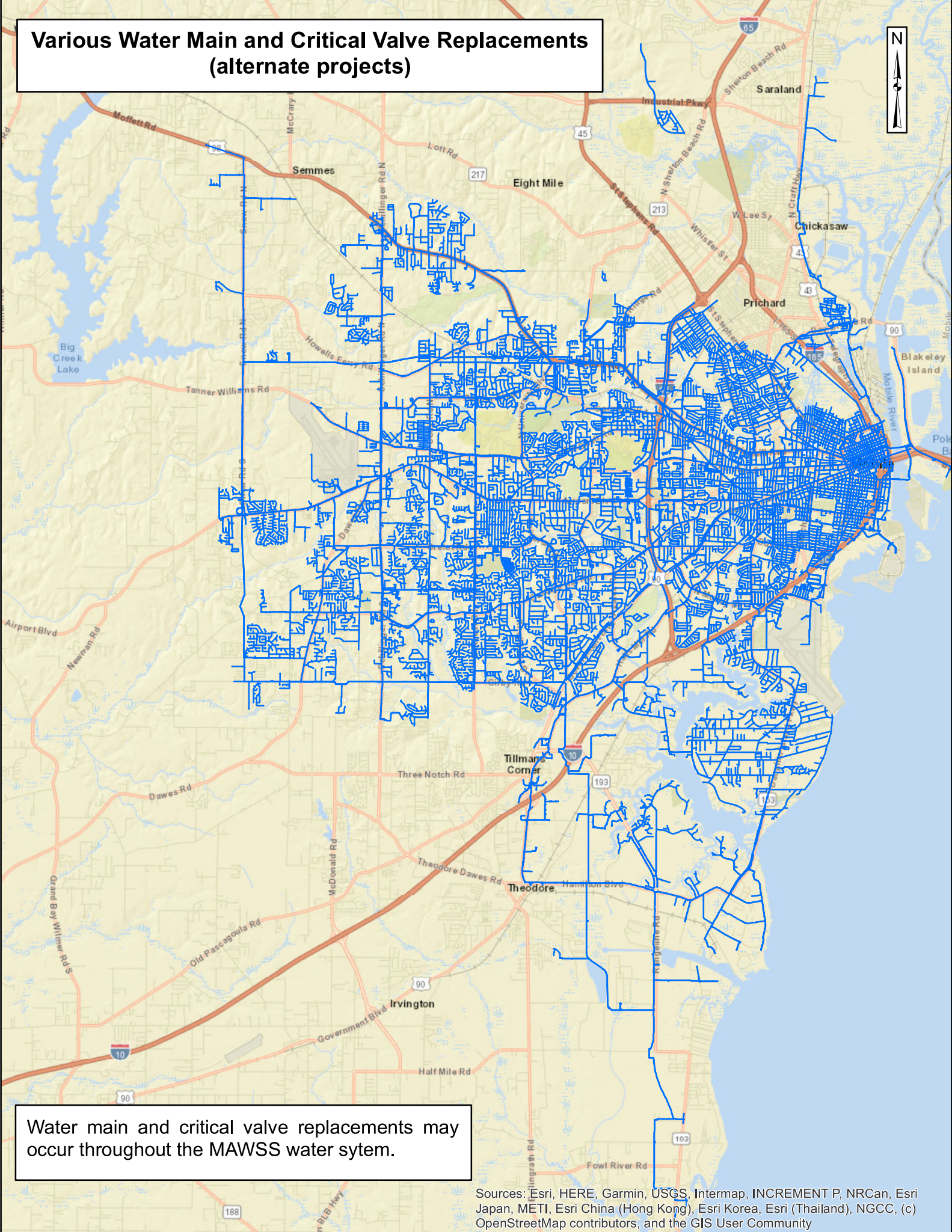


Marcus Stacey, P.E.

Enclosures

c Mr. Douglas Cote, P.E. - MAWSS

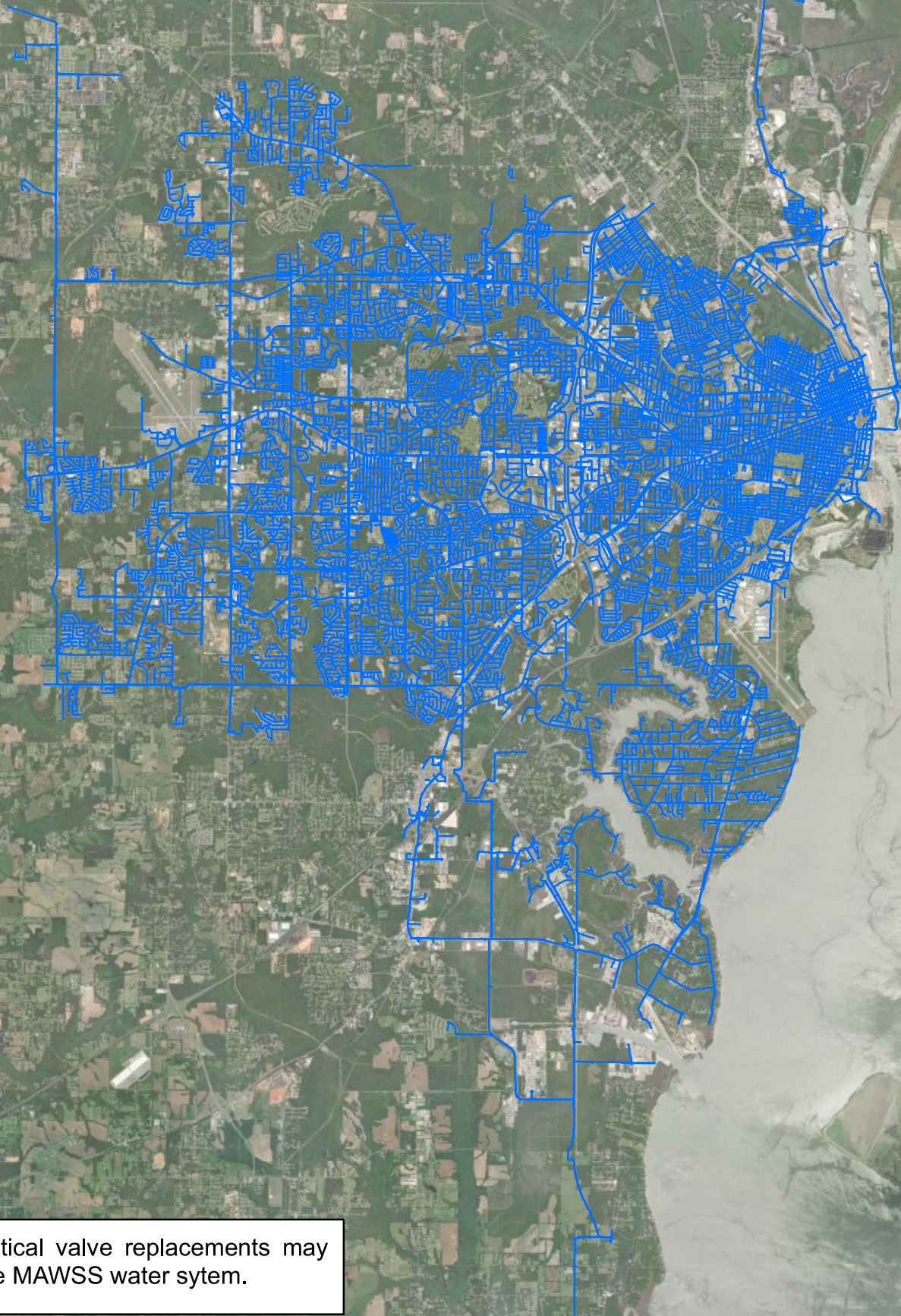
Various Water Main and Critical Valve Replacements (alternate projects)



Water main and critical valve replacements may occur throughout the MAWSS water system.

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

**Various Water Main and Critical Valve Replacements
(alternate projects)**



Water main and critical valve replacements may occur throughout the MAWSS water system.



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Alabama Ecological Services Field Office
1208 B Main Street
Daphne, AL 36526-4419
Phone: (251) 441-5181 Fax: (251) 441-6222
Email Address: alabama@fws.gov

In Reply Refer To:

September 11, 2023

Project Code: 2023-0126966

Project Name: Concurrence Request - MAWSS Master Plan Phase 2 DWSRF Loan Application - Main and Valve Replacements

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

Project consultation requests may be submitted by mail or email (Alabama@fws.gov). **Ensure that the Project Code in the header of this letter is clearly referenced in any request for consultation or correspondence submitted to our office.**

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered

species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf>

Migratory Birds: In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts see <https://www.fws.gov/program/migratory-bird-permit/what-we-do>.

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures see <https://www.fws.gov/library/collections/threats-birds>.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit <https://www.fws.gov/partner/council-conservation-migratory-birds>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. **Ensure that the Project Code in the header of this letter is clearly referenced with any request for consultation or correspondence about your project that you submit to our office.**

Attachment(s):

- Official Species List

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Alabama Ecological Services Field Office

1208 B Main Street

Daphne, AL 36526-4419

(251) 441-5181

PROJECT SUMMARY

Project Code: 2023-0126966
Project Name: Concurrence Request - MAWSS Master Plan Phase 2 DWSRF Loan Application - Main and Valve Replacements
Project Type: Water Supply Pipeline - New Constr - Below Ground
Project Description: The Board of Water and Sewer Commissioners of the City of Mobile, Alabama (MAWSS) is proposing to submit a Drinking Water State Revolving Fund (DWSRF) Loan Application to fund various water infrastructure improvements as part of Phase 2 of their Master Plan. Two projects to replace various critical valves and water mains throughout MAWSS water distribution system will be included as alternate projects. Work for both projects is currently proposed to be completed within existing public right of ways or MAWSS easements. Excavations for the valve and main replacements will occur in ground that was previously disturbed in order for the existing valves and mains to be installed.

In accordance with the application, we are requesting that a response from your agency be provided in writing including any comments and concurrence with the proposed loans. Please direct your response to MAWSS, c/o Marcus Stacey, P.E., Volkert, Inc., 1110 Montlimar Dr., Suite 1050, Mobile, AL, 36609, or by email at marcus.stacey@volkert.com.

Please call me at (251) 599-1974 should you have any questions or require any additional information.

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@30.6398967,-88.17204592998947,14z>



Counties: Mobile County, Alabama

ENDANGERED SPECIES ACT SPECIES

There is a total of 13 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

MAMMALS

NAME	STATUS
Tricolored Bat <i>Perimyotis subflavus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/10515	Proposed Endangered
West Indian Manatee <i>Trichechus manatus</i> There is final critical habitat for this species. Your location does not overlap the critical habitat. <i>This species is also protected by the Marine Mammal Protection Act, and may have additional consultation requirements.</i> Species profile: https://ecos.fws.gov/ecp/species/4469	Threatened

BIRDS

NAME	STATUS
Eastern Black Rail <i>Laterallus jamaicensis ssp. jamaicensis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/10477	Threatened
Red Knot <i>Calidris canutus rufa</i> There is proposed critical habitat for this species. Species profile: https://ecos.fws.gov/ecp/species/1864	Threatened

REPTILES

NAME	STATUS
Alabama Red-bellied Turtle <i>Pseudemys alabamensis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/1494	Endangered
Alligator Snapping Turtle <i>Macrochelys temminckii</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/4658	Proposed Threatened
Black Pinesnake <i>Pituophis melanoleucus lodingi</i> There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/452	Threatened
Eastern Indigo Snake <i>Drymarchon couperi</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/646	Threatened
Gopher Tortoise <i>Gopherus polyphemus</i> Population: Western DPS No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/6994	Threatened
Kemp's Ridley Sea Turtle <i>Lepidochelys kempii</i> There is proposed critical habitat for this species. Species profile: https://ecos.fws.gov/ecp/species/5523	Endangered
Loggerhead Sea Turtle <i>Caretta caretta</i> Population: Northwest Atlantic Ocean DPS There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/1110	Threatened

FISHES

NAME	STATUS
Gulf Sturgeon <i>Acipenser oxyrinchus (=oxyrhynchus) desotoi</i> There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/651	Threatened

INSECTS

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9743	Candidate

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.



IPAC USER CONTACT INFORMATION

Agency: Private Entity
Name: Marcus Stacey
Address: 1110 Montlimar Drive, Suite 1050
City: Mobile
State: AL
Zip: 36609
Email: marcus.stacey@volkert.com
Phone: 2515991974

Marcus Stacey

From: Melinda Immel
Sent: Wednesday, September 13, 2023 9:33 AM
To: cesam-rd@sam.usace.army.mil
Cc: Marcus Stacey
Subject: Concurrence Request for MAWSS DWSRF Loan Application - Big Creek Lake Projects
Attachments: RGL 16-01 Appendix 1-Big Creek Lake Projects.pdf

The Board of Water and Sewer Commissioners of the City of Mobile, Alabama (MAWSS) is proposing to submit a Drinking Water State Revolving Fund (DWSRF) Loan Application to fund various water infrastructure improvements as part of Phase 2 of their Master Plan. Two of the projects included in this application involve Big Creek Lake, the drinking water source for the cities of Mobile, Prichard, and Spanish Fort. Two of the projects involve the pumps at the Gaillard Pump Station. The Gaillard projects would occur within the boundaries of the existing pump station site. The Big Creek Lake Dame Toe of Berm Modifications has already been assigned a number (SAM-2022-00349-CDJ) and is only being included here as reference in the SRF program not as part of this request. Please see the project descriptions below.

Big Creek Lake Boom and Storage for Hazardous Spill Containment

Big Creek Lake is the drinking water source for the Cities of Mobile, Prichard and Spanish Fort. The purpose of this project is to store boom at strategic locations around the lake for quick deployment in the event of a hazardous material spill into the lake. The boom will help contain the spill in an effort to prevent the spill from reaching the intakes at the Galliard Pump Station.

Big Creek Lake Early Contaminant Warning System

The Contaminant Warning System is a group of smart buoys containing instrumentation for sensing contaminants in the lake and sending alarms to operators when contaminants are present.

Big Creek Lake Emergency By-Pass Connections

Big Creek Lake is the drinking water source for the Cities of Mobile, Prichard and Spanish Fort. The by-pass connections make it possible for portable pumps to pump from the lake into the raw water force mains that feed the water treatment plants. This project is a contingency that will allow raw water from the lake to continue to be treated in the event the pumps station is rendered inoperable by hurricane, tornado, etc.

Replace Gaillard Pump Station Pumps, Valves, and Fittings

The pumps at the Gaillard Pump Station have reached the end of their useful life and need to be replaced. These pumps are critical, as they supply water from Big Creek Lake.

In accordance with the application, we are requesting that a response from your agency be provided in writing including any comments and concurrence with the proposed loans. Please direct your response to MAWSS, c/o Marcus Stacey, P.E., Volkert, Inc., 1110 Montlimar Dr., Suite 1050, Mobile, AL, 36609, or by email at marcus.stacey@volkert.com.

This project is only being shown as a reference as part of the DWSRF loan application and not part of this concurrence request. The design engineering firm has already contacted the Corps and a project number assigned.

- SAM -2022-00349-CDJ - Big Creek Lake Dam Toe of Berm Modifications

The purpose of this project is to increase the size of the toe of the berm for about 300 feet along the south side of the dam to provide additional protection from seepage and erosion under the dam and to further resist uplift pressures within the aforementioned length of the dam. This project is only being shown as a reference as part of the DWSRF loan application and not part of this concurrence request.

Sincerely,
Melinda Immel

+++++

Melinda D. Immel, P.E.
Water & Wastewater Utilities Department
Assistant Vice President
Volkert, Inc.
251-342-1070
mimmel@volkert.com

**1110 Montlimar Blvd Suite 1050
Mobile, AL 36609**

The information contained in this e-mail, including any accompanying documents or attachments, is from Volkert, is intended only for the use of the individual or entity named above, and is privileged and confidential. If you are not the intended recipient, be aware that any disclosure, dissemination, distribution, copying or use of the contents of this message is strictly prohibited. If you have received this message in error, please notify Volkert immediately at our corporate office (251) 342-1070. Thank you for your cooperation.

Appendix 1 - REQUEST FOR CORPS JURISDICTIONAL DETERMINATION (JD)

To: District Name Here

- I am requesting a JD on property located at: 1450 Pumping Station Road (Gaillard Pump Station Location)
(Street Address)
City/Township/Parish: Mobile County: Mobile State: AL
Acreage of Parcel/Review Area for JD: _____
Section: _____ Township: _____ Range: _____
Latitude (decimal degrees): 30.7204 Longitude (decimal degrees): 88.3040
(For linear projects, please include the center point of the proposed alignment.)
- Please attach a survey/plat map and vicinity map identifying location and review area for the JD.
- I currently own this property. I plan to purchase this property.
- I am an agent/consultant acting on behalf of the requestor.
- Other (please explain): _____.
- Reason for request: (check as many as applicable)
 - I intend to construct/develop a project or perform activities on this parcel which would be designed to avoid all aquatic resources.
 - I intend to construct/develop a project or perform activities on this parcel which would be designed to avoid all jurisdictional aquatic resources under Corps authority.
 - I intend to construct/develop a project or perform activities on this parcel which may require authorization from the Corps, and the JD would be used to avoid and minimize impacts to jurisdictional aquatic resources and as an initial step in a future permitting process.
 - I intend to construct/develop a project or perform activities on this parcel which may require authorization from the Corps; this request is accompanied by my permit application and the JD is to be used in the permitting process.
 - I intend to construct/develop a project or perform activities in a navigable water of the U.S. which is included on the district Section 10 list and/or is subject to the ebb and flow of the tide.
 - A Corps JD is required in order to obtain my local/state authorization.
 - I intend to contest jurisdiction over a particular aquatic resource and request the Corps confirm that jurisdiction does/does not exist over the aquatic resource on the parcel.
 - I believe that the site may be comprised entirely of dry land.
 - Other: Corps concurrence is required by ADEM as part of the DWSRF loan application.
- Type of determination being requested:
 - I am requesting an approved JD.
 - I am requesting a preliminary JD.
 - I am requesting a "no permit required" letter as I believe my proposed activity is not regulated.
 - I am unclear as to which JD I would like to request and require additional information to inform my decision.

By signing below, you are indicating that you have the authority, or are acting as the duly authorized agent of a person or entity with such authority, to and do hereby grant Corps personnel right of entry to legally access the site if needed to perform the JD. Your signature shall be an affirmation that you possess the requisite property rights to request a JD on the subject property.

*Signature:  Digitally signed by Melinda Immel
Date: 2023.09.13 08:47:12 -0500 Date: September 13, 2023

- Typed or printed name: Melinda D. Immel
Company name: Volkert, Inc.
Address: 1110 Montlimar Dr. Suite 1050
Mobile, AL 36609
Daytime phone no.: 251-680-9883
Email address: melinda.immel@volkert.com

***Authorities:** Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section 103, 33 USC 1413; Regulatory Program of the U.S. Army Corps of Engineers; Final Rule for 33 CFR Parts 320-332.

Principal Purpose: The information that you provide will be used in evaluating your request to determine whether there are any aquatic resources within the project area subject to federal jurisdiction under the regulatory authorities referenced above.

Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public, and may be made available as part of a public notice as required by federal law. Your name and property location where federal jurisdiction is to be determined will be included in the approved jurisdictional determination (AJD), which will be made available to the public on the District's website and on the Headquarters USACE website.

Disclosure: Submission of requested information is voluntary; however, if information is not provided, the request for an AJD cannot be evaluated nor can an AJD be issued.



Big Creek Lake Projects

- Boom and Storage for Hazardous Spill Containment
- Toe of Berm Modifications
- Early Contaminant Warning System
- Emergency Bypass Connections

Big Creek Lake Dam
30°42'46.1"N 88°19'36.0"W

Galliard Pump Station
30°43'13.4"N 88°18'14.3"W

RS



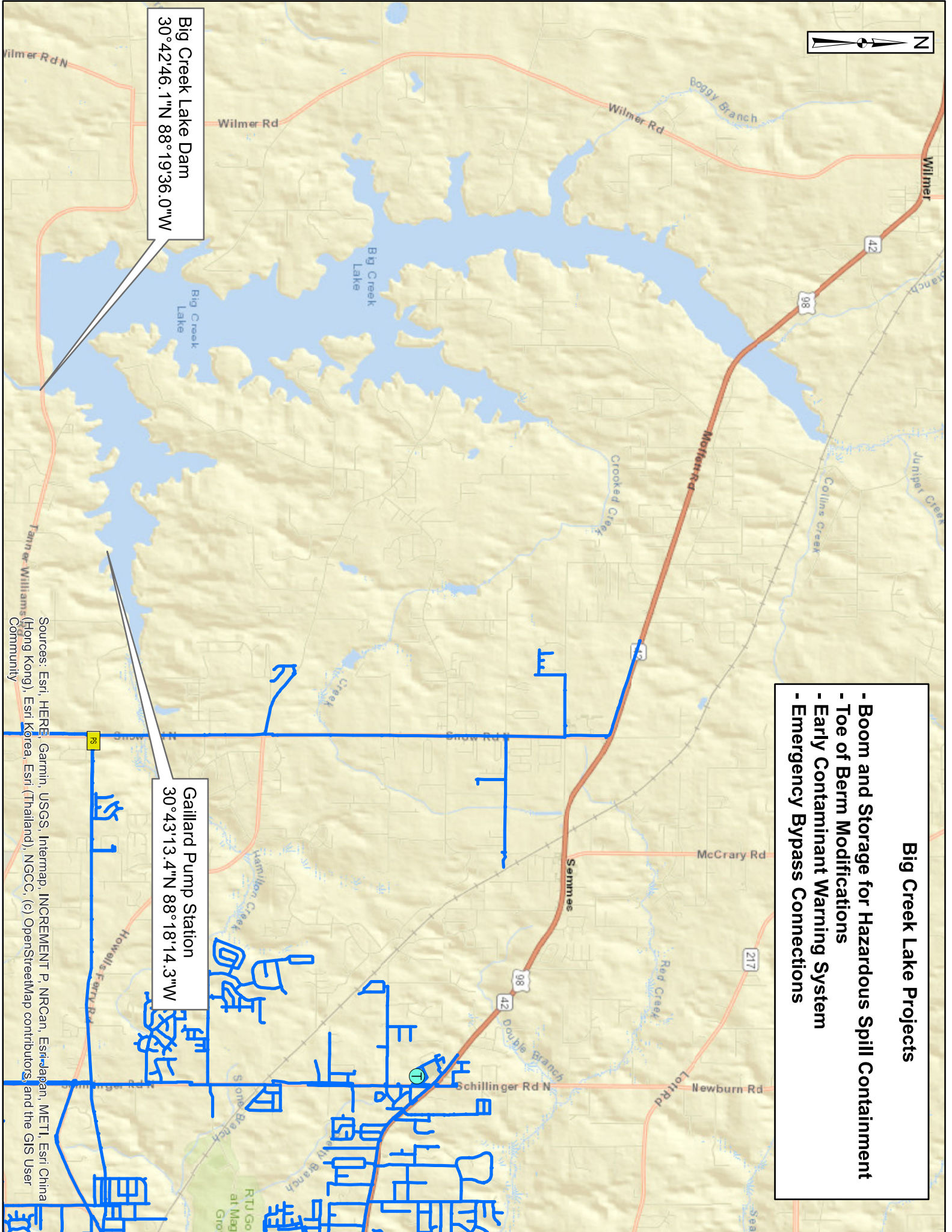
Big Creek Lake Projects

- Boom and Storage for Hazardous Spill Containment
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- Early Contaminant Warning System
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Big Creek Lake Dam
30°42'46.1"N 88°19'36.0"W

Galliard Pump Station
30°43'13.4"N 88°18'14.3"W

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri-Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



Marcus Stacey

From: CESAM-RD <CESAM-RD@usace.army.mil>
Sent: Wednesday, September 13, 2023 2:09 PM
To: Melinda Immel
Cc: Marcus Stacey; Jordan, C Dianne CIV USARMY CESAM (USA); ADEM - Mobile Branch / Coastal Section
Subject: Acknowledgment Email-SAM-2023-00825 (MAWSS-Big Creek Lake-Gaillard Pump Station)
Attachments: RGL 16-01 Appendix 1-Big Creek Lake Projects.pdf

The U.S. Army Corps of Engineers (USACE), Mobile District is in receipt of your recent request. This request has been assigned the following file number, which should be referred to in all future correspondence with this office concerning this project:

File Number: SAM-2023-00825

Following an initial review of your request a project manager will contact you if any additional information is required.

The USACE, Mobile District now utilizes paperless communication, and you will receive only electronic copies of any correspondence from us concerning this matter (including any possible permit authorizations), unless a paper copy is specifically requested. If you wish to receive paper copies of our correspondence you should send a written request to this office at the following address:

U.S. Army Corps of Engineers
Mobile District, Regulatory Division (RD-A) Post Office Box 2288 Mobile, Alabama 36628.

Electronic copies of this email and any future correspondence will also be sent to your agent, if applicable, and to any relevant agencies.

For additional information on our Regulatory program, visit our website at:
www.sam.usace.army.mil/Missions/Regulatory.aspx

From: Melinda Immel <melinda.immel@volkert.com>
Sent: Wednesday, September 13, 2023 9:48 AM
To: CESAM-RD <CESAM-RD@usace.army.mil>
Cc: Marcus Stacey <marcus.stacey@volkert.com>
Subject: [Non-DoD Source] REVISED - RE: Concurrence Request for MAWSS DWSRF Loan Application - Big Creek Lake Projects

In regards to the email below and the attachment:

In accordance with the application, we are requesting that a response from your agency be provided in writing including any comments and concurrence with the proposed loans. Please direct your response to MAWSS, c/o Marcus Stacey, P.E., Volkert, Inc., 1110 Montlimar Dr., Suite 1050, Mobile, AL, 36609, or by email at marcus.stacey@volkert.com.

Please call Marcus Stacey at (251) 599-1974 or me at (251)680-9883 should you have any questions or require any additional information.

Sincerely,
Melinda Immel

+++++

Melinda D. Immel, P.E.
Water & Wastewater Utilities Department
Assistant Vice President
Volkert, Inc.
251-342-1070
mimmel@volkert.com

1110 Montlimar Blvd Suite 1050
Mobile, AL 36609

The information contained in this e-mail, including any accompanying documents or attachments, is from Volkert, is intended only for the use of the individual or entity named above, and is privileged and confidential. If you are not the intended recipient, be aware that any disclosure, dissemination, distribution, copying or use of the contents of this message is strictly prohibited. If you have received this message in error, please notify Volkert immediately at our corporate office (251) 342-1070. Thank you for your cooperation.

From: Melinda Immel
Sent: Wednesday, September 13, 2023 9:33 AM
To: cesam-rd@sam.usace.army.mil
Cc: Marcus Stacey <marcus.stacey@volkert.com>
Subject: Concurrence Request for MAWSS DWSRF Loan Application - Big Creek Lake Projects

The Board of Water and Sewer Commissioners of the City of Mobile, Alabama (MAWSS) is proposing to submit a Drinking Water State Revolving Fund (DWSRF) Loan Application to fund various water infrastructure improvements as part of Phase 2 of their Master Plan. Two of the projects included in this application involve Big Creek Lake, the drinking water source for the cities of Mobile, Prichard, and Spanish Fort. Two of the projects involve the pumps at the Gaillard Pump Station. The Gaillard projects would occur within the boundaries of the existing pump station site. The Big Creek Lake Dame Toe of Berm Modifications has already been assigned a number (SAM-2022-00349-CDJ) and is only being included here as reference in the SRF program not as part of this request. Please see the project descriptions below.

Big Creek Lake Boom and Storage for Hazardous Spill Containment

Big Creek Lake is the drinking water source for the Cities of Mobile, Prichard and Spanish Fort. The purpose of this project is to store boom at strategic locations around the lake for quick deployment in the event of a hazardous material spill into the lake. The boom will help contain the spill in an effort to prevent the spill from reaching the intakes at the Galliard Pump Station.

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Big Creek Lake Emergency By-Pass Connections

Big Creek Lake is the drinking water source for the Cities of Mobile, Prichard and Spanish Fort. The by-pass connections make it possible for portable pumps to pump from the lake into the raw water force mains that feed the water treatment plants. This project is a contingency that will allow raw water from the lake to continue to be treated in the event the pumps station is rendered inoperable by hurricane, tornado, etc.

Replace Gaillard Pump Station Pumps, Valves, and Fittings

The pumps at the Gaillard Pump Station have reached the end of their useful life and need to be replaced. These pumps are critical, as they supply water from Big Creek Lake.

In accordance with the application, we are requesting that a response from your agency be provided in writing including any comments and concurrence with the proposed loans. Please direct your response to MAWSS, c/o Marcus Stacey, P.E., Volkert, Inc., 1110 Montlimar Dr., Suite 1050, Mobile, AL, 36609, or by email at marcus.stacey@volkert.com.

This project is only being shown as a reference as part of the DWSRF loan application and not part of this concurrence request. The design engineering firm has already contacted the Corps and a project number assigned.

- SAM -2022-00349-CDJ - Big Creek Lake Dam Toe of Berm Modifications
The purpose of this project is to increase the size of the toe of the berm for about 300 feet along the south side of the dam to provide additional protection from seepage and erosion under the dam and to further resist uplift pressures within the aforementioned length of the dam. This project is only being shown as a reference as part of the DWSRF loan application and not part of this concurrence request.

Sincerely,
Melinda Immel

+++++

Melinda D. Immel, P.E.
Water & Wastewater Utilities Department
Assistant Vice President
Volkert, Inc.
251-342-1070
mimmel@volkert.com

**1110 Montlimar Blvd Suite 1050
Mobile, AL 36609**

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Marcus Stacey

From: Melinda Immel
Sent: Tuesday, September 12, 2023 6:45 AM
To: cesam-rd@sam.usace.army.mil
Cc: Marcus Stacey
Subject: Concurrence Request For MAWSS DWSRF Loan Applications - Myers WTP Projects
Attachments: RGL 16-01 Appendix 1_Myers.pdf

The Board of Water and Sewer Commissioners of the City of Mobile, Alabama (MAWSS) is proposing to submit a Drinking Water State Revolving Fund (DWSRF) Loan Application to fund various water infrastructure improvements as part of Phase 2 of their Master Plan. Three projects at the Myers Water Treatment Plant will be included in this application, with two identified as alternate projects. Please see the project descriptions below. Work for these projects is currently proposed to be completed within the boundaries of the existing site. It is not believed these projects include activities that would require a jurisdictional determination.

Myers WTP Filter Rehabilitation - The H.E. Myers WTP has a rated Capacity of 30 mgd. The plant went into operation in 1989. It was constructed to serve portions of West Mobile and provide a backup to the Stickney WTP. The Myers WTP needs filter rehabilitation which includes replacing filter media, controls, valves, actuators, media underdrains and adding an air scour system.

Water Treatment Plant Security Upgrades (alternate project) - This project would fund security upgrades at the Stickney and/or Myers Water Treatment Plants.

Water Treatment Plant Paving (alternate project) - This project would fund paving work at the Stickney and/or Myers Water Treatment Plants.

In accordance with the application, we are requesting that a response from your agency be provided in writing including any comments and concurrence with the proposed loans. Please direct your response to MAWSS, c/o Marcus Stacey, P.E., Volkert, Inc., 1110 Montlimar Dr., Suite 1050, Mobile, AL, 36609, or by email at marcus.stacey@volkert.com.

Please call either Marcus Stacey at (251) 599-1974 or me at (251) 680-9883 should you have any questions or require any additional information.

Sincerely,
Melinda Immel

+++++

Melinda D. Immel, P.E.
Water & Wastewater Utilities Department
Assistant Vice President
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251-342-1070
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1110 Montlimar Blvd Suite 1050
Mobile, AL 36609

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Appendix 1 - REQUEST FOR CORPS JURISDICTIONAL DETERMINATION (JD)

To: District Name Here

- I am requesting a JD on property located at: MAWSS Myers WTP - 1475 Hubert Pierce Road
(Street Address)
City/Township/Parish: Mobile County: Mobile State: AL
Acreage of Parcel/Review Area for JD: _____
Section: _____ Township: _____ Range: _____
Latitude (decimal degrees): 30.7226 Longitude (decimal degrees): 88.2602
(For linear projects, please include the center point of the proposed alignment.)
- Please attach a survey/plat map and vicinity map identifying location and review area for the JD.
- I currently own this property. I plan to purchase this property.
- I am an agent/consultant acting on behalf of the requestor.
- Other (please explain): _____.
- Reason for request: (check as many as applicable)
 - I intend to construct/develop a project or perform activities on this parcel which would be designed to avoid all aquatic resources.
 - I intend to construct/develop a project or perform activities on this parcel which would be designed to avoid all jurisdictional aquatic resources under Corps authority.
 - I intend to construct/develop a project or perform activities on this parcel which may require authorization from the Corps, and the JD would be used to avoid and minimize impacts to jurisdictional aquatic resources and as an initial step in a future permitting process.
 - I intend to construct/develop a project or perform activities on this parcel which may require authorization from the Corps; this request is accompanied by my permit application and the JD is to be used in the permitting process.
 - I intend to construct/develop a project or perform activities in a navigable water of the U.S. which is included on the district Section 10 list and/or is subject to the ebb and flow of the tide.
 - A Corps JD is required in order to obtain my local/state authorization.
 - I intend to contest jurisdiction over a particular aquatic resource and request the Corps confirm that jurisdiction does/does not exist over the aquatic resource on the parcel.
 - I believe that the site may be comprised entirely of dry land.
 - Other: Corps concurrence is required by ADEM as part of the DWSRF loan application.
- Type of determination being requested:
 - I am requesting an approved JD.
 - I am requesting a preliminary JD.
 - I am requesting a "no permit required" letter as I believe my proposed activity is not regulated.
 - I am unclear as to which JD I would like to request and require additional information to inform my decision.

By signing below, you are indicating that you have the authority, or are acting as the duly authorized agent of a person or entity with such authority, to and do hereby grant Corps personnel right of entry to legally access the site if needed to perform the JD. Your signature shall be an affirmation that you possess the requisite property rights to request a JD on the subject property.

*Signature:  Digitally signed by Melinda Immel
Date: 2023.09.12 06:39:23 -0500 Date: September 12, 2023

- Typed or printed name: Melinda D. Immel
Company name: Volkert, Inc.
Address: 1110 Montlimar Dr. Suite 1050
Mobile, AL 36609
Daytime phone no.: 251-680-9883
Email address: melinda.immel@volkert.com

***Authorities:** Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section 103, 33 USC 1413; Regulatory Program of the U.S. Army Corps of Engineers; Final Rule for 33 CFR Parts 320-332.

Principal Purpose: The information that you provide will be used in evaluating your request to determine whether there are any aquatic resources within the project area subject to federal jurisdiction under the regulatory authorities referenced above.

Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public, and may be made available as part of a public notice as required by federal law. Your name and property location where federal jurisdiction is to be determined will be included in the approved jurisdictional determination (AJD), which will be made available to the public on the District's website and on the Headquarters USACE website.

Disclosure: Submission of requested information is voluntary; however, if information is not provided, the request for an AJD cannot be evaluated nor can an AJD be issued.



H.E. Myers Water Treatment Plant Projects
-Filter Rehabilitation
-Security Upgrades (alternate)
-Paving (alternate)

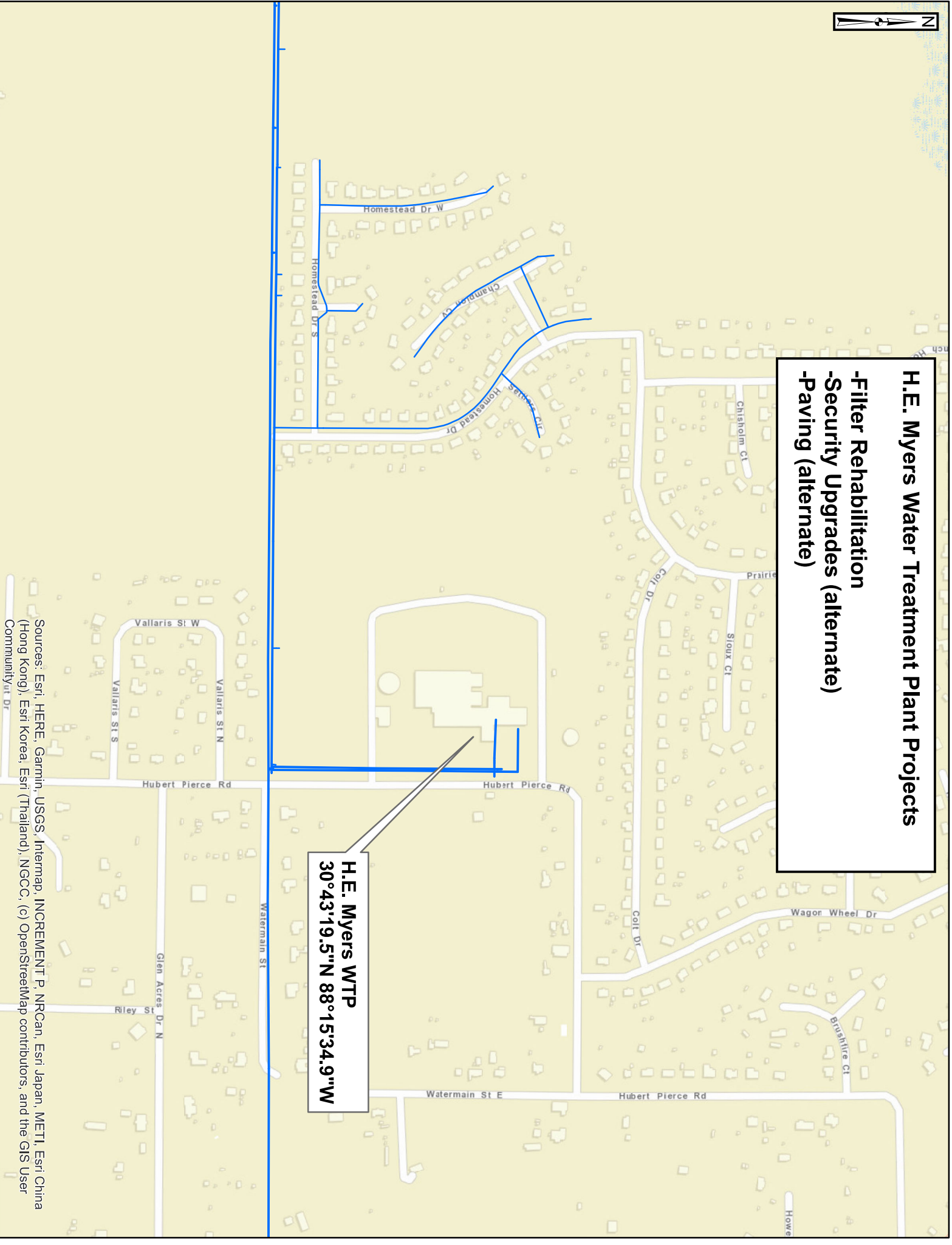
H.E. Myers WTP
30°43'19.5"N 88°15'34.9"W





H.E. Myers Water Treatment Plant Projects
-Filter Rehabilitation
-Security Upgrades (alternate)
-Paving (alternate)

H.E. Myers WTP
30°43'19.5"N 88°15'34.9"W



Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

From: [CESAM-RD](#)
To: [Melinda Immel](#)
Subject: ACKNOWLEDGEMENT Concurrence Request For MAWSS DWSRF Loan Applications - Myers WTP Projects
Date: Tuesday, September 12, 2023 4:18:11 PM
Attachments: [RGL 16-01 Appendix 1 Myers.pdf](#)

EXTERNAL EMAIL. Do not click on links or open attachments unless you recognize the sender and know the content is safe.

The U.S. Army Corps of Engineers (USACE), Mobile District is in receipt of your recent request. This request has been assigned the following file number, which should be referred to in all future correspondence with this office concerning this project:

File Number: SAM-2023-00820

Following an initial review of your request a project manager will contact you if any additional information is required.

The USACE, Mobile District now utilizes paperless communication, and you will receive only electronic copies of any correspondence from us concerning this matter (including any possible permit authorizations), unless a paper copy is specifically requested. If you wish to receive paper copies of our correspondence you should send a written request to this office at the following address:

U.S. Army Corps of Engineers
Mobile District, Regulatory Division (RD) Post Office Box 2288 Mobile, Alabama 36628.

Electronic copies of this email and any future correspondence will also be sent to your agent, if applicable, and to any relevant agencies.

For additional information on our Regulatory program, visit our website at:
www.sam.usace.army.mil/Missions/Regulatory.aspx

From: Melinda Immel <melinda.immel@volkert.com>
Sent: Tuesday, September 12, 2023 6:45 AM
To: CESAM-RD <CESAM-RD@usace.army.mil>
Cc: Marcus Stacey <marcus.stacey@volkert.com>
Subject: [Non-DoD Source] Concurrence Request For MAWSS DWSRF Loan Applications - Myers WTP Projects

The Board of Water and Sewer Commissioners of the City of Mobile, Alabama (MAWSS) is

proposing to submit a Drinking Water State Revolving Fund (DWSRF) Loan Application to fund various water infrastructure improvements as part of Phase 2 of their Master Plan. Three projects at the Myers Water Treatment Plant will be included in this application, with two identified as alternate projects. Please see the project descriptions below. Work for these projects is currently proposed to be completed within the boundaries of the existing site. It is not believed these projects include activities that would require a jurisdictional determination.

Myers WTP Filter Rehabilitation - The H.E. Myers WTP has a rated Capacity of 30 mgd. The plant went into operation in 1989. It was constructed to serve portions of West Mobile and provide a backup to the Stickney WTP. The Myers WTP needs filter rehabilitation which includes replacing filter media, controls, valves, actuators, media underdrains and adding an air scour system.

Water Treatment Plant Security Upgrades (alternate project) - This project would fund security upgrades at the Stickney and/or Myers Water Treatment Plants.

Water Treatment Plant Paving (alternate project) - This project would fund paving work at the Stickney and/or Myers Water Treatment Plants.

In accordance with the application, we are requesting that a response from your agency be provided in writing including any comments and concurrence with the proposed loans. Please direct your response to MAWSS, c/o Marcus Stacey, P.E., Volkert, Inc., 1110 Montlimar Dr., Suite 1050, Mobile, AL, 36609, or by email at marcus.stacey@volkert.com.

Please call either Marcus Stacey at (251) 599-1974 or me at (251) 680-9883 should you have any questions or require any additional information.

Sincerely,
Melinda Immel

+++++

Melinda D. Immel, P.E.
Water & Wastewater Utilities Department
Assistant Vice President
Volkert, Inc.
251-342-1070
mimmel@volkert.com
1110 Montlimar Blvd Suite 1050
Mobile, AL 36609

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Marcus Stacey

From: Melinda Immel
Sent: Wednesday, September 13, 2023 9:46 AM
To: cesam-rd@sam.usace.army.mil
Cc: Marcus Stacey
Subject: Concurrence Request for MAWSS DWSRF Loan Application - Secondary Source Water
Attachments: RGL 16-01 Appendix 1-Secondary Source Water .pdf

The Board of Water and Sewer Commissioners of the City of Mobile, Alabama (MAWSS) is proposing to submit a Drinking Water State Revolving Fund (DWSRF) Loan Application to fund various water infrastructure improvements as part of Phase 2 of their Master Plan. One of the alternate projects included in this application would fund the required testing to permit the Mobile River as a secondary source of raw water for treatment at the Stickney Water Treatment Plant. This project would also involve infrastructure improvements necessary to pump raw water to the Stickney WTP. The existing Bucks Pumping Station location would be utilized for this project. This project is in the preliminary stages and as design progresses if needed the design engineer could contact your office at the appropriate time with additional information. Please inform what steps need to be taken for this project.

In accordance with the application, we are requesting that a response from your agency be provided in writing including any comments and concurrence with the proposed loans. Please direct your response to MAWSS, c/o Marcus Stacey, P.E., Volkert, Inc., 1110 Montlimar Dr., Suite 1050, Mobile, AL, 36609, or by email at marcus.stacey@volkert.com.

Please call Marcus Stacey at (251) 599-1974 or me at (251)680-9883 should you have any questions or require any additional information.

Sincerely,
Melinda Immel

+++++

Melinda D. Immel, P.E.
Water & Wastewater Utilities Department
Assistant Vice President
Volkert, Inc.
251-342-1070
mimmel@volkert.com

**1110 Montlimar Blvd Suite 1050
Mobile, AL 36609**


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Appendix 1 - REQUEST FOR CORPS JURISDICTIONAL DETERMINATION (JD)

To: District Name Here

- I am requesting a JD on property located at: Bucks Pumping Station
(Street Address)
City/Township/Parish: Mobile County: Mobile State: AL
Acreage of Parcel/Review Area for JD: _____
Section: _____ Township: _____ Range: _____
Latitude (decimal degrees): 31.013 Longitude (decimal degrees): 89.0191
(For linear projects, please include the center point of the proposed alignment.)
- Please attach a survey/plat map and vicinity map identifying location and review area for the JD.
- I currently own this property. I plan to purchase this property.
- I am an agent/consultant acting on behalf of the requestor.
- Other (please explain): _____.
- Reason for request: (check as many as applicable)
 - I intend to construct/develop a project or perform activities on this parcel which would be designed to avoid all aquatic resources.
 - I intend to construct/develop a project or perform activities on this parcel which would be designed to avoid all jurisdictional aquatic resources under Corps authority.
 - I intend to construct/develop a project or perform activities on this parcel which may require authorization from the Corps, and the JD would be used to avoid and minimize impacts to jurisdictional aquatic resources and as an initial step in a future permitting process.
 - I intend to construct/develop a project or perform activities on this parcel which may require authorization from the Corps; this request is accompanied by my permit application and the JD is to be used in the permitting process.
 - I intend to construct/develop a project or perform activities in a navigable water of the U.S. which is included on the district Section 10 list and/or is subject to the ebb and flow of the tide.
 - A Corps JD is required in order to obtain my local/state authorization.
 - I intend to contest jurisdiction over a particular aquatic resource and request the Corps confirm that jurisdiction does/does not exist over the aquatic resource on the parcel.
 - I believe that the site may be comprised entirely of dry land.
 - Other: Corps concurrence is required by ADEM as part of the DWSRF loan application.
- Type of determination being requested:
 - I am requesting an approved JD.
 - I am requesting a preliminary JD.
 - I am requesting a "no permit required" letter as I believe my proposed activity is not regulated.
 - I am unclear as to which JD I would like to request and require additional information to inform my decision.

By signing below, you are indicating that you have the authority, or are acting as the duly authorized agent of a person or entity with such authority, to and do hereby grant Corps personnel right of entry to legally access the site if needed to perform the JD. Your signature shall be an affirmation that you possess the requisite property rights to request a JD on the subject property.

*Signature:  Digitally signed by Melinda Immel
Date: 2023.09.13 09:35:24 -0500 Date: September 12, 2023

- Typed or printed name: Melinda D. Immel
Company name: Volkert, Inc.
Address: 1110 Montlimar Dr. Suite 1050
Mobile, AL 36609
Daytime phone no.: 251-680-9883
Email address: melinda.immel@volkert.com

***Authorities:** Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section 103, 33 USC 1413; Regulatory Program of the U.S. Army Corps of Engineers; Final Rule for 33 CFR Parts 320-332.

Principal Purpose: The information that you provide will be used in evaluating your request to determine whether there are any aquatic resources within the project area subject to federal jurisdiction under the regulatory authorities referenced above.

Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public, and may be made available as part of a public notice as required by federal law. Your name and property location where federal jurisdiction is to be determined will be included in the approved jurisdictional determination (AJD), which will be made available to the public on the District's website and on the Headquarters USACE website.

Disclosure: Submission of requested information is voluntary; however, if information is not provided, the request for an AJD cannot be evaluated nor can an AJD be issued.

**Secondary Raw Water Source
Treatment and Conveyance Systems
(alternate project)**



Bucks Pumping Station
31°00'46.8"N 88°01'08.9"W

Barry Steam Plant

Highway 43

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

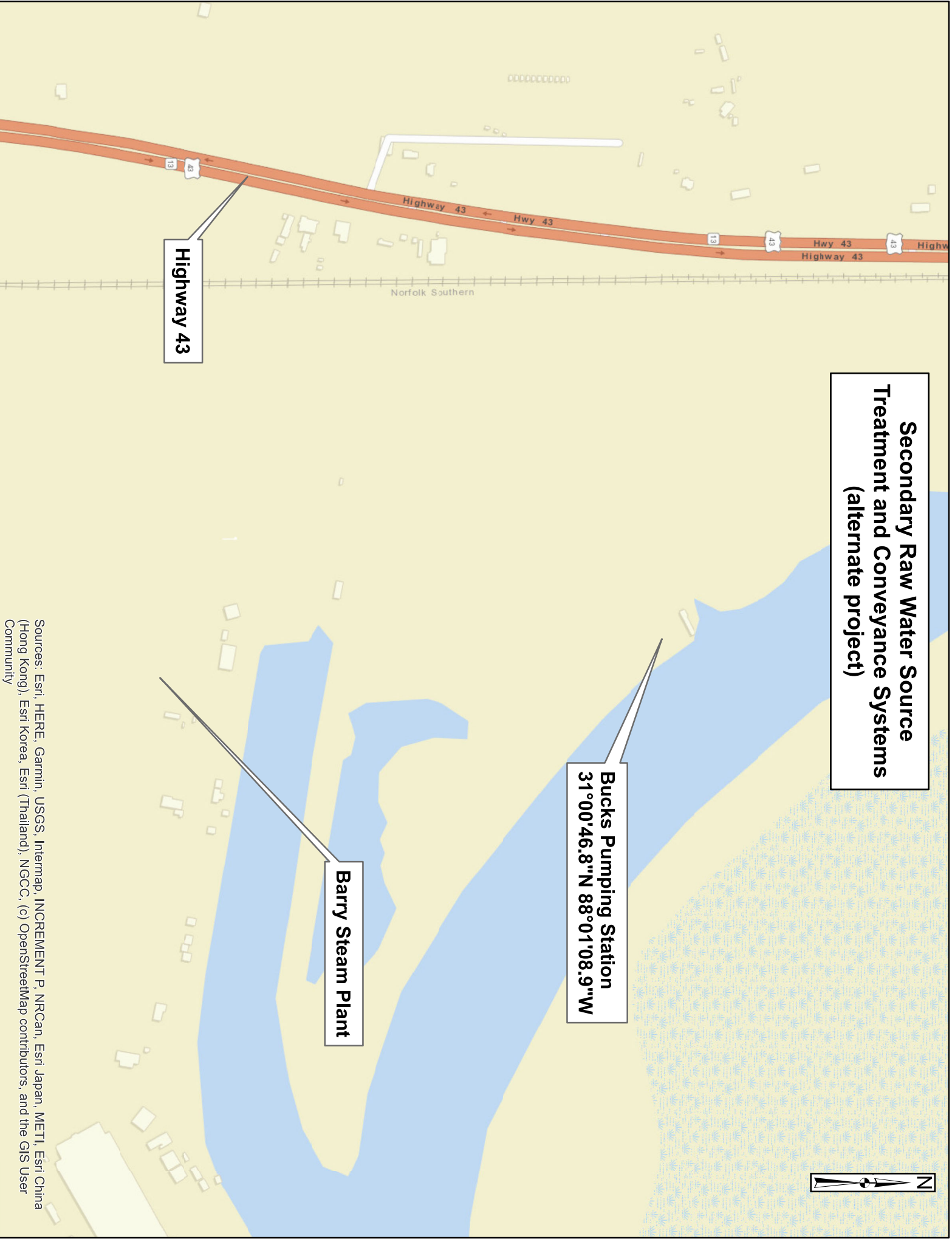
**Secondary Raw Water Source
Treatment and Conveyance Systems
(alternate project)**



Bucks Pumping Station
31°00'46.8"N 88°01'08.9"W

Barry Steam Plant

Highway 43



Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Marcus Stacey

From: CESAM-RD <CESAM-RD@usace.army.mil>
Sent: Wednesday, September 13, 2023 1:46 PM
To: Melinda Immel
Cc: Marcus Stacey; ADEM - Mobile Branch / Coastal Section; Jordan, C Dianne CIV USARMY CESAM (USA)
Subject: Acknowledgment Email- SAM-2023-00823 (MAWSS- Bucks Pumping Station Secondary Water Source)
Attachments: 2023-09-13.PRE.23-823. Application.pdf

The U.S. Army Corps of Engineers (USACE), Mobile District is in receipt of your recent request. This request has been assigned the following file number, which should be referred to in all future correspondence with this office concerning this project:

File Number: SAM-2023-00823

Following an initial review of your request a project manager will contact you if any additional information is required.

The USACE, Mobile District now utilizes paperless communication, and you will receive only electronic copies of any correspondence from us concerning this matter (including any possible permit authorizations), unless a paper copy is specifically requested. If you wish to receive paper copies of our correspondence you should send a written request to this office at the following address:

U.S. Army Corps of Engineers
Mobile District, Regulatory Division (RD-A) Post Office Box 2288 Mobile,
Alabama 36628.

Electronic copies of this email and any future correspondence will also be sent to your agent, if applicable, and to any relevant agencies.

For additional information on our Regulatory program, visit our website at:
www.sam.usace.army.mil/Missions/Regulatory.aspx

From: Melinda Immel <melinda.immel@volkert.com>
Sent: Wednesday, September 13, 2023 9:46 AM
To: CESAM-RD <CESAM-RD@usace.army.mil>
Cc: Marcus Stacey <marcus.stacey@volkert.com>
Subject: [Non-DoD Source] Concurrence Request for MAWSS DWSRF Loan Application - Secondary Source Water

The Board of Water and Sewer Commissioners of the City of Mobile, Alabama (MAWSS) is proposing to submit a Drinking Water State Revolving Fund (DWSRF) Loan Application to fund various water infrastructure improvements as part of Phase 2 of their Master Plan. One of the alternate projects included in this application would fund the required testing to permit the Mobile River as a secondary source of raw water for treatment at the Stickney Water Treatment Plant. This project would also involve infrastructure improvements necessary to pump raw water to the Stickney WTP. The existing Bucks Pumping Station location would be utilized for this project. This project is in the preliminary stages and as design progresses if needed the design engineer could contact your office at the appropriate time with additional information. Please inform what steps need to be taken for this project.

In accordance with the application, we are requesting that a response from your agency be provided in writing including any comments and concurrence with the proposed loans. Please direct your response to MAWSS, c/o Marcus Stacey, P.E., Volkert, Inc., 1110 Montlimar Dr., Suite 1050, Mobile, AL, 36609, or by email at marcus.stacey@volkert.com.

Please call Marcus Stacey at (251) 599-1974 or me at (251)680-9883 should you have any questions or require any additional information.

Sincerely,
Melinda Immel

+++++

Melinda D. Immel, P.E.
Water & Wastewater Utilities Department
Assistant Vice President
Volkert, Inc.
251-342-1070
mimmel@volkert.com

**1110 Montlimar Blvd Suite 1050
Mobile, AL 36609**

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Marcus Stacey

From: Melinda Immel
Sent: Tuesday, September 12, 2023 7:03 AM
To: cesam-rd@sam.usace.army.mil
Cc: Marcus Stacey
Subject: Concurrence Request for MAWSS DWSRF Loan Application - Stickney WTP Projects
Attachments: RGL 16-01 Appendix 1_Stickney WTP.pdf

The Board of Water and Sewer Commissioners of the City of Mobile, Alabama (MAWSS) is proposing to submit a Drinking Water State Revolving Fund (DWSRF) Loan Application to fund various water infrastructure improvements as part of Phase 2 of their Master Plan. Seven projects at the Stickney Water Treatment Plant will be included in this application, with four identified as alternate projects. Please see the project descriptions below. Work for these projects is currently proposed to be completed within the boundaries of the existing site. It is not believed these projects include activities that would require a jurisdictional determination.

Stickney WTP Settling Basin Structural Rehab

The E.M. Stickney WTP, which was initially constructed in 1942 and increased in capacity in 1955 and 1976, is the primary of two WTPs in Mobile. It has a capacity to treat 60 mgd. Treated water from the plant is provided to the Cities of Mobile, Prichard and Spanish Fort. The plant's settling basins are reinforced concrete and have cracked and spalled overtime. General rehabilitation of the basins to seal them from leakage and prevent further deterioration is needed.

Stickney Filter Rehabilitation

The E.M. Stickney WTP, which was initially constructed in 1942 and increased in capacity in 1955 and 1976, is the primary of two WTPs in Mobile. It has a capacity to treat 60 mgd. Treated water from the plant is provided to the Cities of Mobile, Prichard and Spanish Fort. The aging plant needs filter rehabilitation which includes replacement of filter media, control panels, valves, actuators, alternate backwash water supply, etc.

Stickney On-Site Hypochlorite Generation

The E.M. Stickney WTP, which was initially constructed in 1942 and increased in capacity in 1955 and 1976, is the primary of two WTPs in Mobile. It has a capacity to treat 60 mgd. Treated water from the plant is provided to the Cities of Mobile, Prichard and Spanish Fort. The plant is located at the intersection of Moffett Road and Shelton Beach Road, a densely populated area. The purpose of this project is to change the plant from Chlorine Dioxide use, a hazardous gas, to Sodium Hypochlorite generation. Sodium Hypochlorite is essentially bleach, a much safer alternative to Chlorine Dioxide for both the surrounding community and the treatment plant operators.

Stickney WTP Liquid Lime Facility Installation (alternate project)

This project would replace the existing quicklime system with liquid lime. The existing quicklime system has several issues and needs to be overhauled (except for the new shaker). Liquid lime is a very pure product, readily available for injection, and is not likely to impact turbidity. Liquid lime systems tend to be more maintenance friendly than quicklime systems.

Stickney WTP Redundant Solids Clarifier (alternate project)

Installation of a redundant clarifier would provide a more robust solids handling system that can continue to operate when the existing duty clarifier is undergoing maintenance or provide additional storage in the event that solids cannot be pumped to the Myers WTP.

Water Treatment Plant Security Upgrades (alternate project)

This project would fund security upgrades at the Stickney and/or Myers Water Treatment Plants.

Water Treatment Plant Paving (alternate project)

This project would fund paving work at the Stickney and/or Myers Water Treatment Plants.

In accordance with the application, we are requesting that a response from your agency be provided in writing including any comments and concurrence with the proposed loans. Please direct your response to MAWSS, c/o Marcus Stacey, P.E., Volkert, Inc., 1110 Montlimar Dr., Suite 1050, Mobile, AL, 36609, or by email at marcus.stacey@volkert.com.

Please call either Marcus Stacey at (251) 599-1974 or me at (251) 680-9883 should you have any questions or require any additional information

Sincerely,
Melinda Immel

+++++

Melinda D. Immel, P.E.
Water & Wastewater Utilities Department
Assistant Vice President
Volkert, Inc.
251-342-1070
mimmel@volkert.com

**1110 Montlimar Blvd Suite 1050
Mobile, AL 36609**

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Appendix 1 - REQUEST FOR CORPS JURISDICTIONAL DETERMINATION (JD)

To: District Name Here

- I am requesting a JD on property located at: MAWSS Stickney WTP - 4800 Moffett Road
(Street Address)
City/Township/Parish: Mobile County: Mobile State: AL
Acreage of Parcel/Review Area for JD: _____
Section: _____ Township: _____ Range: _____
Latitude (decimal degrees): 30.7209 Longitude (decimal degrees): 88.1526
(For linear projects, please include the center point of the proposed alignment.)
- Please attach a survey/plat map and vicinity map identifying location and review area for the JD.
- I currently own this property. I plan to purchase this property.
- I am an agent/consultant acting on behalf of the requestor.
- Other (please explain): _____.
- Reason for request: (check as many as applicable)
 - I intend to construct/develop a project or perform activities on this parcel which would be designed to avoid all aquatic resources.
 - I intend to construct/develop a project or perform activities on this parcel which would be designed to avoid all jurisdictional aquatic resources under Corps authority.
 - I intend to construct/develop a project or perform activities on this parcel which may require authorization from the Corps, and the JD would be used to avoid and minimize impacts to jurisdictional aquatic resources and as an initial step in a future permitting process.
 - I intend to construct/develop a project or perform activities on this parcel which may require authorization from the Corps; this request is accompanied by my permit application and the JD is to be used in the permitting process.
 - I intend to construct/develop a project or perform activities in a navigable water of the U.S. which is included on the district Section 10 list and/or is subject to the ebb and flow of the tide.
 - A Corps JD is required in order to obtain my local/state authorization.
 - I intend to contest jurisdiction over a particular aquatic resource and request the Corps confirm that jurisdiction does/does not exist over the aquatic resource on the parcel.
 - I believe that the site may be comprised entirely of dry land.
 - Other: Corps concurrence is required by ADEM as part of the DWSRF loan application.
- Type of determination being requested:
 - I am requesting an approved JD.
 - I am requesting a preliminary JD.
 - I am requesting a "no permit required" letter as I believe my proposed activity is not regulated.
 - I am unclear as to which JD I would like to request and require additional information to inform my decision.

By signing below, you are indicating that you have the authority, or are acting as the duly authorized agent of a person or entity with such authority, to and do hereby grant Corps personnel right of entry to legally access the site if needed to perform the JD. Your signature shall be an affirmation that you possess the requisite property rights to request a JD on the subject property.

*Signature:  Digitally signed by Melinda Immel
Date: 2023.09.12 06:57:33 -0500 Date: September 12, 2023

- Typed or printed name: Melinda D. Immel
Company name: Volkert, Inc.
Address: 1110 Montlimar Dr. Suite 1050
Mobile, AL 36609
Daytime phone no.: 251-680-9883
Email address: melinda.immel@volkert.com

***Authorities:** Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section 103, 33 USC 1413; Regulatory Program of the U.S. Army Corps of Engineers; Final Rule for 33 CFR Parts 320-332.

Principal Purpose: The information that you provide will be used in evaluating your request to determine whether there are any aquatic resources within the project area subject to federal jurisdiction under the regulatory authorities referenced above.

Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public, and may be made available as part of a public notice as required by federal law. Your name and property location where federal jurisdiction is to be determined will be included in the approved jurisdictional determination (AJD), which will be made available to the public on the District's website and on the Headquarters USACE website.

Disclosure: Submission of requested information is voluntary; however, if information is not provided, the request for an AJD cannot be evaluated nor can an AJD be issued.

- ### E.M. Stickney Water Treatment Plant Projects
- Settling Basin Structural Rehab
 - Filter Rehabilitation and SCADA
 - On-Site Hypochlorite Generation
 - Liquid Lime Facility Installation (alternate)
 - Redundant Solids Clarifier (alternate)
 - Security Upgrades (alternate)
 - Paving (alternate)

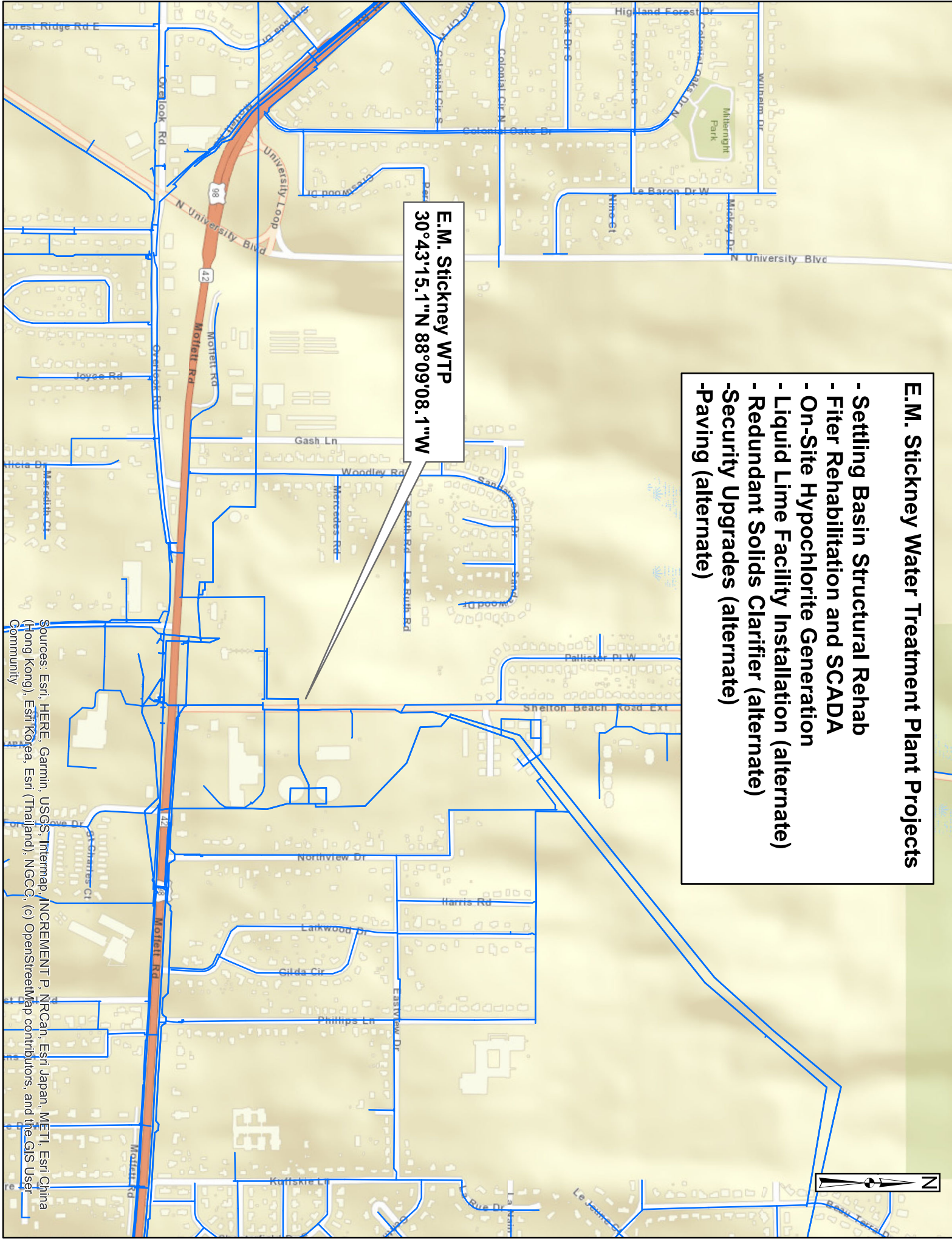
E.M. Stickney WTP
30°43'15.1"N 88°09'08.1"W



E.M. Stickney Water Treatment Plant Projects

- Settling Basin Structural Rehab
- Filter Rehabilitation and SCADA
- On-Site Hypochlorite Generation
- Liquid Lime Facility Installation (alternate)
- Redundant Solids Clarifier (alternate)
- Security Upgrades (alternate)
- Paving (alternate)

E.M. Stickney WTP
30°43'15.1"N 88°09'08.1"W



Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

From: [CESAM-RD](#)
To: [Melinda Immel](#)
Subject: FW: Concurrence Request for MAWSS DWSRF Loan Application - Stickney WTP Projects
Date: Tuesday, September 12, 2023 3:53:27 PM
Attachments: [RGL 16-01 Appendix 1 Stickney WTP.pdf](#)

EXTERNAL EMAIL. Do not click on links or open attachments unless you recognize the sender and know the content is safe.

The U.S. Army Corps of Engineers (USACE), Mobile District is in receipt of your recent request. This request has been assigned the following file number, which should be referred to in all future correspondence with this office concerning this project:

File Number: SAM-2020-0211

Following an initial review of your request a project manager will contact you if any additional information is required.

The USACE, Mobile District now utilizes paperless communication, and you will receive only electronic copies of any correspondence from us concerning this matter (including any possible permit authorizations), unless a paper copy is specifically requested. If you wish to receive paper copies of our correspondence you should send a written request to this office at the following address:

U.S. Army Corps of Engineers
Mobile District, Regulatory Division (RD) Post Office Box 2288 Mobile, Alabama 36628.

Electronic copies of this email and any future correspondence will also be sent to your agent, if applicable, and to any relevant agencies.

For additional information on our Regulatory program, visit our website at:
www.sam.usace.army.mil/Missions/Regulatory.aspx

From: Melinda Immel <melinda.immel@volkert.com>
Sent: Tuesday, September 12, 2023 7:03 AM
To: CESAM-RD <CESAM-RD@usace.army.mil>
Cc: Marcus Stacey <marcus.stacey@volkert.com>
Subject: [Non-DoD Source] Concurrence Request for MAWSS DWSRF Loan Application - Stickney WTP Projects

The Board of Water and Sewer Commissioners of the City of Mobile, Alabama

(MAWSS) is proposing to submit a Drinking Water State Revolving Fund (DWSRF) Loan Application to fund various water infrastructure improvements as part of Phase 2 of their Master Plan. Seven projects at the Stickney Water Treatment Plant will be included in this application, with four identified as alternate projects. Please see the project descriptions below. Work for these projects is currently proposed to be completed within the boundaries of the existing site. It is not believed these projects include activities that would require a jurisdictional determination.

Stickney WTP Settling Basin Structural Rehab

The E.M. Stickney WTP, which was initially constructed in 1942 and increased in capacity in 1955 and 1976, is the primary of two WTPs in Mobile. It has a capacity to treat 60 mgd. Treated water from the plant is provided to the Cities of Mobile, Prichard and Spanish Fort. The plant's settling basins are reinforced concrete and have cracked and spalled overtime. General rehabilitation of the basins to seal them from leakage and prevent further deterioration is needed.

Stickney Filter Rehabilitation

The E.M. Stickney WTP, which was initially constructed in 1942 and increased in capacity in 1955 and 1976, is the primary of two WTPs in Mobile. It has a capacity to treat 60 mgd. Treated water from the plant is provided to the Cities of Mobile, Prichard and Spanish Fort. The aging plant needs filter rehabilitation which includes replacement of filter media, control panels, valves, actuators, alternate backwash water supply, etc.

Stickney On-Site Hypochlorite Generation

The E.M. Stickney WTP, which was initially constructed in 1942 and increased in capacity in 1955 and 1976, is the primary of two WTPs in Mobile. It has a capacity to treat 60 mgd. Treated water from the plant is provided to the Cities of Mobile, Prichard and Spanish Fort. The plant is located at the intersection of Moffett Road and Shelton Beach Road, a densely populated area. The purpose of this project is to change the plant from Chlorine Dioxide use, a hazardous gas, to Sodium Hypochlorite generation. Sodium Hypochlorite is essentially bleach, a much safer alternative to Chlorine Dioxide for both the surrounding community and the treatment plant operators.

Stickney WTP Liquid Lime Facility Installation (alternate project)

This project would replace the existing quicklime system with liquid lime. The existing quicklime system has several issues and needs to be overhauled (except for the new shaker). Liquid lime is a very pure product, readily available for injection, and is not likely to impact turbidity. Liquid lime systems tend to be more maintenance friendly than quicklime systems.

Stickney WTP Redundant Solids Clarifier (alternate project)

Installation of a redundant clarifier would provide a more robust solids handling system that can continue to operate when the existing duty clarifier is undergoing maintenance or provide additional storage in the event that solids cannot be pumped to the Myers WTP.

Water Treatment Plant Security Upgrades (alternate project)

This project would fund security upgrades at the Stickney and/or Myers Water Treatment Plants.

Water Treatment Plant Paving (alternate project)

This project would fund paving work at the Stickney and/or Myers Water Treatment Plants.

In accordance with the application, we are requesting that a response from your agency be provided in writing including any comments and concurrence with the proposed loans. Please direct your response to MAWSS, c/o Marcus Stacey, P.E., Volkert, Inc., 1110 Montlimar Dr., Suite 1050, Mobile, AL, 36609, or by email at marcus.stacey@volkert.com.

Please call either Marcus Stacey at (251) 599-1974 or me at (251) 680-9883 should you have any questions or require any additional information

Sincerely,

Melinda Immel

+++++

Melinda D. Immel, P.E.

Water & Wastewater Utilities Department

Assistant Vice President

Volkert, Inc.

251-342-1070

mimmel@volkert.com

1110 Montlimar Blvd Suite 1050

Mobile, AL 36609

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Marcus Stacey

From: Marcus Stacey
Sent: Monday, November 21, 2022 12:22 PM
To: cesam-rd@sam.usace.army.mil
Cc: Melinda Immel
Subject: Concurrence Request for MAWSS DWSRF Loan Applications - Various Water Main and Critical Valve Replacements
Attachments: Corps of Engineers - Jurisdictional Determination Form - MAWSS DWSRF Water Main & Critical Valve Replacements.pdf

The Board of Water and Sewer Commissioners of the City of Mobile, Alabama (MAWSS) is proposing to submit two Drinking Water State Revolving Fund (DWSRF) Loan Applications to fund various water infrastructure improvements. Two projects to replace various critical valves and water mains throughout MAWSS water distribution system will be included on both applications as alternate projects. Work for both projects is currently proposed to be completed within existing public right of ways or MAWSS easements. Excavations for the valve and main replacements will occur in ground that was previously disturbed in order for the existing valves and mains to be installed. It is not believed these projects include activities that would require a jurisdictional determination. If conditions are discovered which would require further discussion or permitting, the project engineer would contact the Corps at that time.

In accordance with the application, we are requesting an intergovernmental review on behalf MAWSS. Please provide a response from your agency in writing including any comments and concurrence with the proposed loan. Please direct your response to MAWSS, c/o Marcus Stacey, P.E., Volkert, Inc., 1110 Montlimar Dr., Suite 1050, Mobile, AL, 36609, or by email at marcus.stacey@volkert.com.

Please call me at (251) 599-1974 should you have any questions or require any additional information.

Marcus Stacey, P.E.
Utilities Department
Volkert, Inc.
Office Phone (251) 342-1070 Ext.1190
Cell Phone (251) 599-1974



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Appendix 1 - REQUEST FOR CORPS JURISDICTIONAL DETERMINATION (JD)

To: U.S Army Corps of Engineers - Mobile District

- I am requesting a JD on property located at: Throughout MAWSS' water system (see attached maps)
(Street Address)
City/Township/Parish: _____ County: Mobile State: AL
Acreage of Parcel/Review Area for JD: _____
Section: _____ Township: _____ Range: _____
Latitude (decimal degrees): See attached maps Longitude (decimal degrees): See attached maps
(For linear projects, please include the center point of the proposed alignment.)
- Please attach a survey/plat map and vicinity map identifying location and review area for the JD.
- I currently own this property. I plan to purchase this property.
- I am an agent/consultant acting on behalf of the requestor.
- Other (please explain): _____.
- Reason for request: (check as many as applicable)
 - I intend to construct/develop a project or perform activities on this parcel which would be designed to avoid all aquatic resources.
 - I intend to construct/develop a project or perform activities on this parcel which would be designed to avoid all jurisdictional aquatic resources under Corps authority.
 - I intend to construct/develop a project or perform activities on this parcel which may require authorization from the Corps, and the JD would be used to avoid and minimize impacts to jurisdictional aquatic resources and as an initial step in a future permitting process.
 - I intend to construct/develop a project or perform activities on this parcel which may require authorization from the Corps; this request is accompanied by my permit application and the JD is to be used in the permitting process.
 - I intend to construct/develop a project or perform activities in a navigable water of the U.S. which is included on the district Section 10 list and/or is subject to the ebb and flow of the tide.
 - A Corps JD is required in order to obtain my local/state authorization.
 - I intend to contest jurisdiction over a particular aquatic resource and request the Corps confirm that jurisdiction does/does not exist over the aquatic resource on the parcel.
 - I believe that the site may be comprised entirely of dry land.
 - Other: Corps concurrence is required by ADEM as part of the DWSRF loan application.
- Type of determination being requested:
 - I am requesting an approved JD.
 - I am requesting a preliminary JD.
 - I am requesting a "no permit required" letter as I believe my proposed activity is not regulated.
 - I am unclear as to which JD I would like to request and require additional information to inform my decision.

By signing below, you are indicating that you have the authority, or are acting as the duly authorized agent of a person or entity with such authority, to and do hereby grant Corps personnel right of entry to legally access the site if needed to perform the JD. Your signature shall be an affirmation that you possess the requisite property rights to request a JD on the subject property.

*Signature:  Date: 11/21/2022

- Typed or printed name: Marcus Stacey
Company name: Volkert, Inc.
Address: 1110 Montlimar Dr. Suite 1050
Mobile, Alabama 36609
Daytime phone no.: 251-599-1974
Email address: marcus.stacey@volkert.com

***Authorities:** Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section 103, 33 USC 1413; Regulatory Program of the U.S. Army Corps of Engineers; Final Rule for 33 CFR Parts 320-332.

Principal Purpose: The information that you provide will be used in evaluating your request to determine whether there are any aquatic resources within the project area subject to federal jurisdiction under the regulatory authorities referenced above.

Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public, and may be made available as part of a public notice as required by federal law. Your name and property location where federal jurisdiction is to be determined will be included in the approved jurisdictional determination (AJD), which will be made available to the public on the District's website and on the Headquarters USACE website.

Disclosure: Submission of requested information is voluntary; however, if information is not provided, the request for an AJD cannot be evaluated nor can an AJD be issued.

Please read below for additional information on requesting a Jurisdictional Determination (JD) from the U.S. Army Corps of Engineers:

If you have hired an environmental consultant to delineate the property, the wetland delineation should be sent to our office for verification. The wetland delineation should include a map showing the upland/wetland boundaries, the sample locations, and accompanying upland/wetland data sheets. The delineation can be provided to our office for verification in one of two ways: 1) You may request a Preliminary Jurisdictional Determination (PJD). We will review the delineation, visit the site, and provide a verification of the delineation, but the PJD does not assess whether the wetlands are jurisdictional or non-jurisdictional, the determination is not appealable, and the determination has no defined expiration. 2) You may request an Approved Jurisdictional Determination (AJD). We will review the delineation, visit the site, provide a verification of the delineation, and provide a definitive determination as to the jurisdictional status of the wetlands. An AJD is appealable and is valid for a period of five (5) years. The AJD will take longer to process and is typically useful for purchases of property where the owner/buyer has not yet planned how the property would be developed. The PJD can be processed much quicker than an AJD and is useful in situations where an individual elects to expedite the JD process by waiving the right to an AJD. If you request a PJD and based on the delineation you determine that you would need to apply for a permit to fill wetlands, the PJD would be valid for the length of the permit decision (not to exceed 5 years).

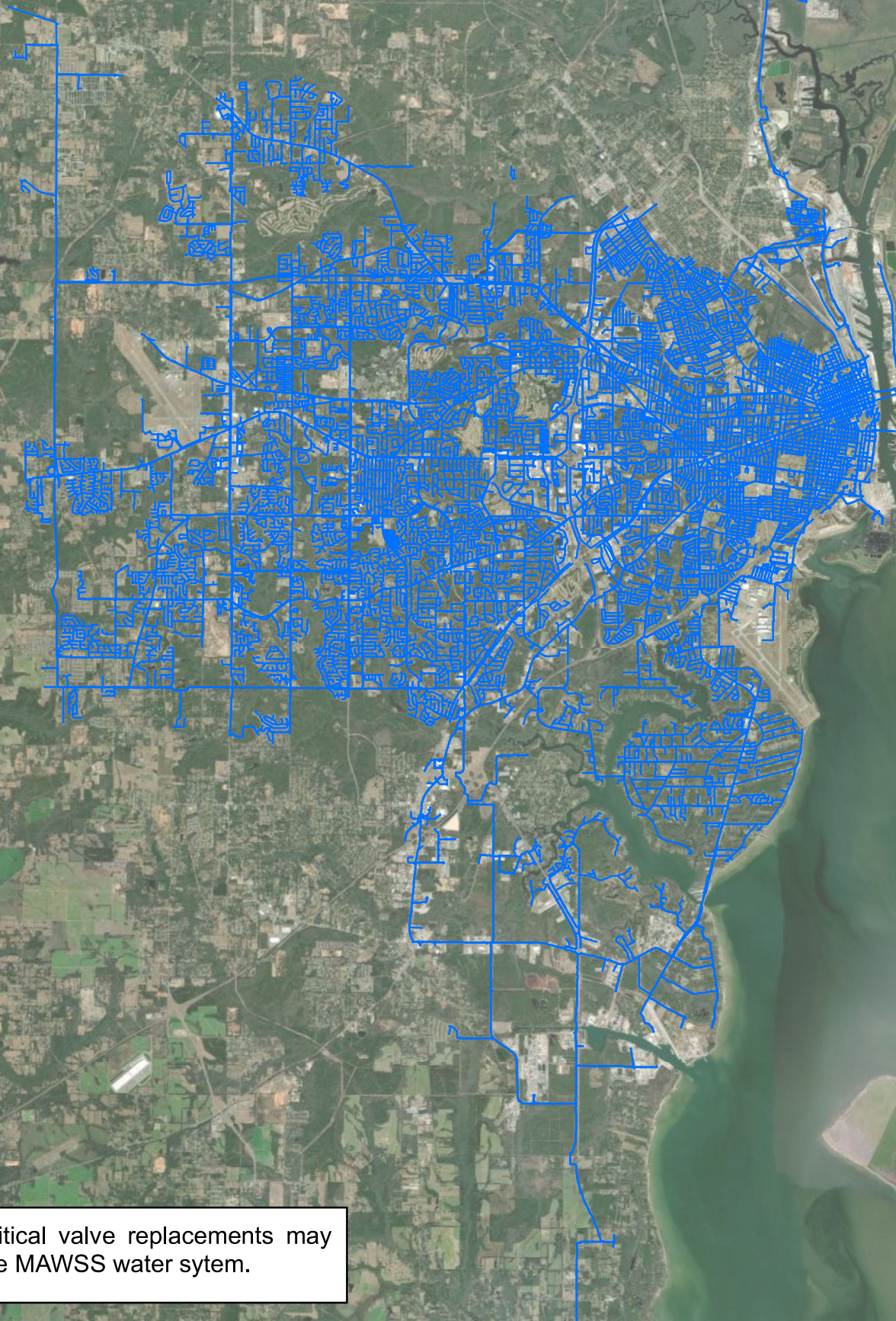
In summary, the delineation shows all the wetlands/waters on a property. The AJD is a lengthy review process that results in a definitive determination of which wetlands/waters are jurisdictional and would require a Corps permit to fill. The PJD is an expedited review process that results in a preliminary determination that assumes all wetlands/waters found onsite are jurisdictional and would require Corps permit to fill. If you intend to place fill material in jurisdictional wetlands, a Department of the Army permit would be required.

In order for us to evaluate your request, you will need to furnish the following information:

- 1) A letter requesting a jurisdictional determination. Please be sure to include your contact information (name, address, daytime phone number).
- 2) Your letter is to include permission for Corps personnel to access the site.
- 3) Vicinity map: A detailed road map to the site.
- 4) A copy of the property plat or survey showing the property boundaries and acreage of the parcel. Note: The corners of the parcel will have to be clearly marked.
- 5) If fill is proposed:
 - a) Show location of proposed fill on the plat or plan view drawing showing the dimensions (footprint) of the fill.
 - b) State the purpose for the fill.
 - c) Should an on-site visit be scheduled, you may be required to place several stakes to show the proposed fill area.
- 6) Complete as much as possible on the attached form, sign and return with your request package. Indicate the "Type of determination being requested" as appropriate
- 7) Requests should be emailed to cesam-rd@sam.usace.army.mil or may be mailed to the following address:

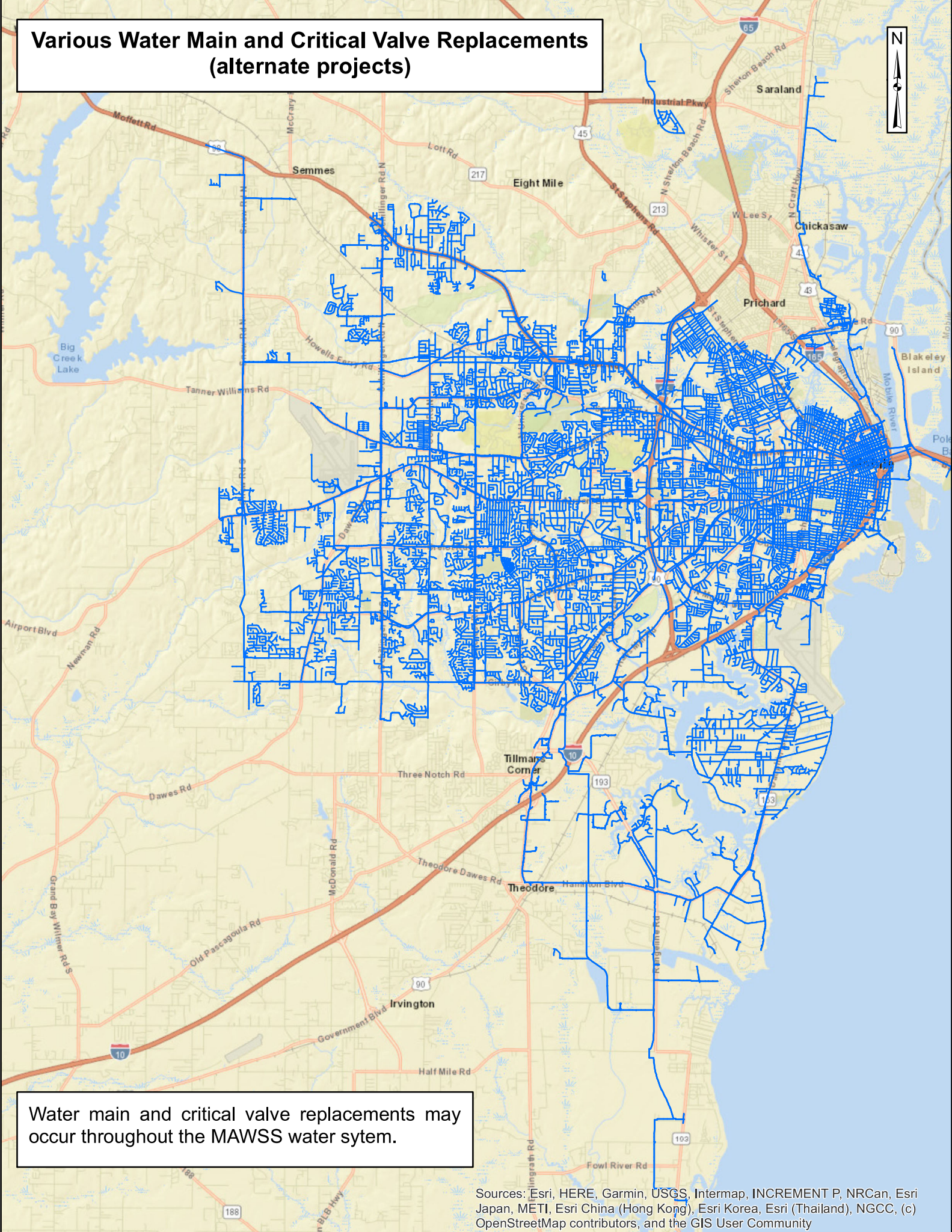
U.S. Army Corps of Engineers
Attention: Regulatory Division (RD-A)
P. O. Box 2288
Mobile, AL 36628-0001

Various Water Main and Critical Valve Replacements (alternate projects)



Water main and critical valve replacements may occur throughout the MAWSS water system.

Various Water Main and Critical Valve Replacements (alternate projects)



Water main and critical valve replacements may occur throughout the MAWSS water system.

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community