

1.0 Introduction

The City of Brunswick is seeking authorization under Section 404 of the Clean Water Act, Section 10 of the Rivers & Harbors Act of 1899 (RHA) and the Coastal Marshlands Protection Act of 1970 (CMPA) to conduct work in an existing tidal drainage ditch to include removal accumulated sediments, debris, and vegetation; re-shaping of portions of the ditch banks; and installation of three (3) tide gates on existing stormwater discharge pipes. The project area lies within Howard Coffin Park, located south of Sonny Miller Way, east of Lanier Boulevard, and west of Glynn Avenue, in Brunswick, Glynn County, Georgia (31.15056 N, -81.47924 W).

The proposed project will provide necessary maintenance and upgrades to the existing stormwater management functions in this area to alleviate flooding in the drainage basin. Installation of tide gates on existing stormwater discharge pipes will prevent backflow into the pipes.

As proposed the project would require the removal of 2,037 cubic yards of accumulated sediment, vegetation, and debris within 1.99 acres (86,684 ft²) of existing stormwater ditches. Three (3) tide gates would be installed on existing stormwater discharge pipes along Lanier Blvd. between Holly Avenue and Elm Avenue.

2.0 Existing Conditions

The total project area within CMPA jurisdiction is 2.07 acres. The existing ditch system conveys stormwater from the residential area located north and west of the project area. An existing drainage ditch system is located on the east side of Lanier Blvd. from Holly Street to just south of London Street, which discharges east under Glynn Avenue to Clubbs Creek. A cross-ditch is located approximately 90' north of Elm Avenue that drains east to culverts under Glynn Avenue that also discharges into Clubbs Creek. An existing aluminum pedestrian bridge (+/-152 ft²) is located over this cross-ditch approximately 440' east of Lanier Blvd. that provides access between the athletic fields.

The ditch has accumulated silt and detrital material over the years resulting in an increase in bottom elevation that impedes stormwater drainage functions and tidal flushing. The banks of the ditches vary in slope and stability. Portions of the ditch are vegetated with salt-tolerant species such as *spartina alterniflora*.

The CMPA buffer consists of existing paved roads, maintained road shoulders, maintained turf grass, and a few areas of un-maintained vegetation that includes scattered live oaks, cedars, yaupon holly, salt bush, wax myrtle, goldenrod, and paspalum.

The CMPA jurisdiction limits for the proposed project were field verified by CRD staff on November 25, 2024.

3.0 Project Description

The proposed work will restore and improve stormwater conveyance functions to alleviate flooding in the drainage area. The project includes the following:

- Removal of accumulated sediments, debris, and vegetation from existing tidal ditches;
- Re-shaping of portions of the ditch banks to provide stability; and,
- Installation of three (3) tide gates on existing stormwater pipes

The removal of accumulated sediments, debris, and vegetation from the tidal ditches and re-shaping of portions of the ditch banks would result in excavation of +/-2,037 CY of material within a 1.99 acre area as shown on the plans prepared by EMC Engineering titled *Howard Coffin Ditch* dated July 14, 2025. Access to the work area would be accomplished from adjacent uplands, and excavated material would be removed from the ditch and hauled to an upland disposal site. No discharge or re-deposit of dredged or fill material would result from this activity. One (1) new headwall will be constructed landward of jurisdiction on an existing stormwater pipe located east of Ash Avenue (Sheet 8). Two (2) additional tide gates will be installed on existing pipes and headwalls located east of Holly Avenue and Elm Avenue (Sheet 6). The CMPA upland component buffer is 7.28 acres (316,941 ft²) in size of which 5.33 acres (232,075 ft²) is regularly mowed and maintained and 1.46 acres (63,588 ft²) is existing impervious surfaces such as roads, buildings, and walkways.

Marshlands Component

The marshlands component consists of the excavation and removal of +/-2,037 CYS of silt, debris, vegetation and re-shaping of the banks within 1.99 acres (86,650 ft²) of CMPA jurisdictional area. The excavated material would be hauled by truck to an upland disposal site. Three (3) tide gates will be installed on existing stormwater discharge pipes as depicted on Sheet 6 of the permit drawings to prevent backflow of tidal waters into the existing pipes. The northernmost pipe east of Holly Ave. has an existing headwall in jurisdiction and the new gate would be attached to the headwall. An existing headwall and storm pipe is located East of Elm Ave., and a tide gate will be placed on the existing pipe within jurisdiction. An existing clay pipe is located in jurisdiction east of Ash Ave. This pipe will be cut back, and new headwall will be constructed landward of jurisdiction and a tide gate will be installed. A small amount of excavation for installation of the tide gates is included in the project total (Sheet 17; Headwall Section).

5.0 Upland Component

The CMPA upland component buffer is 7.28 acres (316,941 ft²) in size of which 5.33 acres (232,075 ft²) is regularly mowed and maintained and 1.46 acres (63,588 ft²) is existing

impervious surfaces such as roads, buildings, and walkways. Activities within the buffer include the following:

- Temporary access in the area adjacent to the ditch for equipment necessary to conduct the ditch maintenance;
- Ongoing continued mowing and maintenance of vegetation;
- Continued maintenance of existing impervious surfaces; and,
- additional mowing and ongoing maintenance of 0.49 acre (21,276 ft²) of vegetation along portions of the ditch not currently mowed.

The work area would be stabilized with approved erosion control methods immediately after the work is conducted in accordance with the Coastal Stormwater Supplement to the Georgia Stormwater Management Manual.

6.0 Alternative Sites Considered

The work proposed is located within an existing stormwater ditch system that traverses Howard Coffin Park that facilitates stormwater drainage of nearby residential areas and public roads and property. The project cannot be accomplished at an alternate site or at a non-marsh location within the site. The existing stormwater ditch must be maintained to function in accordance with its original design. The proposed project would not result in a loss of coastal marshlands, is not contrary to the public interest, and will restore and improve drainage to protect Glynn County residents.

7.0 Supplemental Information

This additional information is provided for compliance with Coastal Marshlands Protection Act of 1970 information requirements:

OCGA 12-5-286. Permits to fill, drain, etc., marshlands.

(b) Each application for such permit shall be properly executed, filed with the department on forms as prescribed by the department, and shall include:

(1) *The name and address of the applicant-*

City of Brunswick
Attn: Garrow Alberson, P.E.
525 Lakewood Ave.
Brunswick, Georgia 31520

(2) *A plan or drawing showing the applicant's proposal and the manner or method by which such proposal shall be accomplished. Such plan shall identify the coastal marshlands affected-* Please refer to attached drawings produced by EMC Engineering Services titled ***CMPA Impact Exhibits for Howard Coffin Ditch***, Sheets

1 through 17, dated December 5, 2024 (Attachment B). The work will be accomplished by equipment located on adjacent uplands. Excavated material will be removed from jurisdiction and disposed of at an upland disposal site.

- (3) ***A plat of the area in which the proposed work will take place-*** Attachment B contains a drawing produced by EMC Engineering Services titled ***CMPA Line Survey For Howard Coffin Ditch***, Sheets 1 through 17, dated July 14, 2025.
- (4) ***A copy of the deed or other instrument under which the applicant claims title to the property or, if the applicant is not the owner, then a copy of the deed or other instrument under which the owner claims title together with written permission from the owner to carry out the project on his land. In lieu of a deed or other instrument referred to in this paragraph, the committee may accept some other reasonable evidence of ownership of the property in question or other lawful authority to make use of the property; The committee will not adjudicate title disputes concerning the property which is the subject of the application; provided, however, the committee may decline to process an application when submitted documents show conflicting deeds-*** The project area is located within Howard Coffin Park, owned and operated by the City of Brunswick. There is no recorded deed for the subject property. A plat titled Plate No. 4 is included at Attachment D, with an original date of January 13, 1961 and last revised on June 25, 1976. The northern part of the project area has a tax parcel ID number of 01-01980, and the southern project area has a tax parcel ID number of 01-01461.
- (5) ***A list of all adjoining landowners together with such owners' addresses, provided that if the names or addresses of adjoining landowners cannot be determined, the applicant shall file in lieu thereof a sworn affidavit that a diligent search, including, without limitation, a search of the records for the county tax assessor's office, has been made but that the applicant was not able to ascertain the names or addresses, as the case may be, of adjoining landowners-*** The project area is surrounded by existing roads owned and maintained by the City of Brunswick and Glynn County.
- (6) ***A letter from the local governing authority of the political subdivision in which the property is located, stating that the applicant's proposal is not in violation of any zoning law;*** A letter from John Hunter, Director of City of Brunswick Planning, Development & Codes Department dated January 17, 2025 is included at Attachment C.
- (7) ***A non-refundable application fee to be set by the board in an amount necessary to defray the administrative cost of issuing such permit. Renewal fees shall be equal to application fees, which shall not exceed \$1,000.00 for any one proposal and shall be paid to the department.*** Check for \$500.00 is attached.
- (8) ***A description from the applicant of alternative sites and why they are not feasible and a discussion of why the permit should be granted-*** Please refer to Section 6.0 for discussion of alternative sites.

- (9) ***A statement from the applicant that he has made inquiry to the appropriate authorities that the proposed project is not over a landfill or hazardous waste site and that the site is otherwise suitable for the proposed project-*** A review of the Hazardous Site Index for Glynn County, Georgia indicates that the project area does not contain hazardous waste sites or landfills.
- (10) ***A copy of the water quality certification issued by the department if required for the proposed project-*** If required, WQC will be initiated during processing of the CWA 404 and Section 10 permit by the USACE. A copy of this application will be provided to GAEPD.
- (11) ***Certification by the applicant of adherence to soil and erosion control responsibilities if required for the proposed project-*** The project will conform to all required building, land disturbing, and stormwater management permits as required by the City of Brunswick.
- (12) ***Such additional information as is required by the committee to properly evaluate the application-*** This application has been prepared with consideration for the interests of the general public of the State of Georgia as defined in OCGA 12-5-286(g):

OCGA 12-5-286. Permits to fill, drain, etc. marshlands.

- (g) ***In passing upon the application for permit, the committee shall consider the public interest, which, for purposes of this part shall be deemed to be the following considerations:***
- (1) ***Whether or not unreasonably harmful obstruction to or alteration of the natural flow of navigational water within the affected area will arise as a result of the proposal-*** The proposed project will not unreasonably obstruct or alter the flow of tidal waters in the existing ditches. Removal of accumulated materials will improve both tidal and stormwater flows. The installation of the tide gates will eliminate back-flow into the existing stormwater drainage pipes to improve stormwater functions.
- (2) ***Whether or not unreasonably harmful or increased erosion, shoaling of channels, or stagnant areas of water will be created-*** The proposed project will result in improved tidal flow in the existing ditches and will not result in shoaling of channels or create areas of stagnant water. Re-shaping portions of the ditch banks will reduce erosion and result in improved stability of the shoreline.
- (3) ***Whether or not the granting of a permit and the completion of the applicant's proposal will unreasonably interfere with the conservation of fish, shrimp, oysters, crabs, clams, or other marine life, or wildlife, or other resources, including but not limited to water and oxygen supply-*** The proposed activities will not unreasonably interfere with the conservation of fish, shrimp, oysters, crabs, clams, or other marine life, or wildlife, or other resources, nor affect water and oxygen supply. The impacts during construction would be short-term and minor and the completed project would result in reduced erosion by

stabilizing the banks and increased tidal flows that would improve water and oxygen supply and provide a net benefit to the marine ecosystem.



From: Noble, Josh <Josh.Noble@dnr.ga.gov>
Sent: Friday, January 24, 2025 2:40 PM
To: Dan Bucey <dbucey@rlandc.com>
Cc: Tobler, Paul <paul.tobler@dnr.ga.gov>; Missi Emmett <memmett@rlandc.com>; Angela Cowart <acowart@rlandc.com>
Subject: RE: Howard Coffin Ditch CMPA application

Dan,

We have received and will follow up if additional information is needed.

Thanks,
Josh

From: Dan Bucey <dbucey@rlandc.com>
Sent: Friday, January 24, 2025 1:33 PM
To: Noble, Josh <Josh.Noble@dnr.ga.gov>
Cc: Tobler, Paul <paul.tobler@dnr.ga.gov>; Missi Emmett <memmett@rlandc.com>; Angela Cowart <acowart@rlandc.com>
Subject: Howard Coffin Ditch CMPA application

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Josh;
Attached is application for CMPA authorization to conduct work on drainage in Howard Coffin Park. We will send hard copy with application fee in the amount of \$500 to your attention.

Thanks,

Daniel Bucey, PRINCIPAL
41 Park of Commerce Way, Suite 101
Savannah GA, 31405
P 912 443 5896 F 912 443 5898 C 912 659 0988
<http://www.rlandc.com>



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A division of the
GEORGIA DEPARTMENT OF NATURAL RESOURCES

From: Tobler, Paul
Sent: Thursday, February 27, 2025 2:29 PM
To: Dan Bucey <dbucey@rlandc.com>
Cc: Noble, Josh <Josh.Noble@dnr.ga.gov>
Subject: RE: Howard Coffin Ditch CMPA application

Dan,

Please see attached a letter in response to the CMPA permit application referenced above. There is a significant amount of information that I am looking for and some bigger picture questions as it relates to other projects going on the same area. Perhaps it would be good for us to sit down here at my office and go over all the items so we are on the same page and make some plans for coordinating with the other project managers or at least the applicant. Let me know your thoughts and if you would like me to schedule a meeting.

Sincerely,
Paul D. Tobler
Coastal Permit Coordinator
Coastal Resources Division
Direct: (912) 689-6261
Main: (912) 264-7218

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From: Dan Bucey <dbucey@rlandc.com>
Sent: Monday, January 27, 2025 11:52 AM
To: Noble, Josh <Josh.Noble@dnr.ga.gov>
Cc: Tobler, Paul <paul.tobler@dnr.ga.gov>
Subject: RE: Howard Coffin Ditch CMPA application

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Just received from City.

Daniel Bucey, PRINCIPAL
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<http://www.rlandc.com>



COASTAL RESOURCES DIVISION

ONE CONSERVATION WAY • BRUNSWICK, GA 31520 • 912-264-7218

WALTER RABON
COMMISSIONER

DOUG HAYMANS
DIRECTOR

February 27, 2025

Dan Bucey
Resource Land Consultants
41 Park of Commerce Drive, Suite 101
Savannah, GA 31405

**Re: Application for a Coastal Marshlands Protection Act for Howard Coffin
Park Drainage Ditch Improvements, City of Brunswick, Tidal Ditch, Glynn
County (GPS 31.150397/-81.480806),**

Dear Mr. Bucey:

The Department has reviewed the application for improvements to the Howard Coffin Park Drainage ditches. The proposed project provides for the addition of tide gates and excavation of vegetated, tidal drainage ditches that will impact coastal marshlands. Staff has identified additional information that is needed before the application can be placed on Public Notice. Keep in mind that an application needs to be "substantially complete" before it can be presented to the Coastal Marshlands Protection Committee (CMPC). The following items are required before the application can be placed on Public Notice:

1. Project Description:
 - a. Explain how proposed elevations will improve drainage connectivity within each segment of the drainage project.
 - b. Provide details on how the network of existing ditches to the north will function and drain stormwater from the surrounding basin to Clubbs creek at the terminal end of the system.
2. Tide control:
 - a. The new headwalls and tide gates will be new impacts to CMPA jurisdiction, please quantify the area and volume of material that needs to be excavated from CMPA jurisdiction in order to install the tide gates. Please provide approximate size of headwalls and gates.
 - b. The headwall/tide gate proposed at L137 on sheet 6 of 17 of the CMPA impact exhibits drawings appears to be located on the connection to the tidal pond on the west side of Lanier Blvd. Tidal connection to the pond should not be blocked. Please revise accordingly.
 - c. The tidal pond is in the project area. Has dredging of this pond been considered?
 - d. Just south of the "limits of investigation" there is a cross drain leading from the Marshwood condos to the marsh. Consistently this area is inundated with high tide waters pushing back up through the pipe and drainage grate. Could this pipe be considered for a tide gate?
3. Provide schematics of all drains, pipes, elevation gradient and associated flow, drainage patterns, drainage basin area, stormwater inflows to tidal ditch and any other

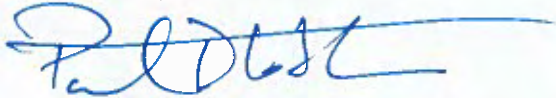
information pertinent to flow regimes in the system. What is the total drainage area for this project? How will areas of ponding within the drainage ditches be avoided? Please provide figures to illustrate where stormwater will be entering the ditch system.

4. The cross sections are labeled with MHW and MLW measurements of MHW = 2.5ft and MLW= -4ft. Please explain the values and how they were calculated.
5. Project area concerns
 - a. Staff has direct knowledge of one project being funded that will impact the eastern end the proposed project area in this application. How will this impact the proposed activities and why is it not included in this application?
 - b. Staff has knowledge of a project that will be adjacent to the southern end of the project area. There are concerns over how the proposed project will affect the plans for the drainage system downstream. Please address.
6. How will the USACE be permitting the activities? Please provide PM, SAS#, permit used and any other pertinent information regarding federal consistency.
7. Will the project require a 401 water quality certification?

Once these materials have been received, and the application is substantially complete, we will begin the public notice process. During the public comment period, the committee will be reviewing the project. I will notify you of any additional information requested by them as provided in the Official Code of Georgia Annotated (O.C.G.A.) 12-5-286. Public comments and questions about your project will be forwarded to you for a written response. Staff will assist you throughout the process.

I appreciate your assistance in working with staff to provide a substantially complete permit application to the Coastal Marshlands Protection Committee for their consideration. Please feel free to contact me at 912-264-7218 with any questions or comments.

Sincerely,



Paul Tobler
Coastal Permit Coordinator
DNR Coastal Resources Division

A division of the
GEORGIA DEPARTMENT OF NATURAL RESOURCES

From: Dan Bucey <dbucey@rlandc.com>
Sent: Monday, March 31, 2025 12:20 PM
To: Tobler, Paul <paul.tobler@dnr.ga.gov>
Cc: Noble, Josh <Josh.Noble@dnr.ga.gov>; kip_goodbread@emc-eng.com; Katarina Crumpler <Katarina_Crumpler@emc-eng.com>
Subject: RE: Howard Coffin Ditch CMPA application

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Paul;
Attached is response to request for additional information. The responses are shown in blue font. Also attached is a revised set of permit drawings showing removal of tide gate on pipe that connects to tidal pond and minor adjustment to dredge quantity.
Thanks,

Daniel Bucey, PRINCIPAL
41 Park of Commerce Way, Suite 101
Savannah GA, 31405
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<http://www.rlandc.com>



From: Tobler, Paul <paul.tobler@dnr.ga.gov>
Sent: Thursday, March 27, 2025 10:17 AM
To: Dan Bucey <dbucey@rlandc.com>
Cc: Noble, Josh <Josh.Noble@dnr.ga.gov>
Subject: RE: Howard Coffin Ditch CMPA application

Dan,

I'm following up regarding the information I requested on March 27, 2025. The public notice deadline to have the project heard at the May CMPC meeting is coming up (~April 11) and I will be out of town starting April 2 through April 9. We do have the July meeting that we can push it to if we need to. Let me know if there's anything else you need from me.

Thanks,
Paul D. Tobler
Coastal Permit Coordinator
Coastal Resources Division
Direct: (912) 689-6261
Main: (912) 264-7218

HOWARD COFFIN PARK DRAINAGE IMPROVEMENTS

RESPONSE TO CRD REQUEST FOR ADDITIONAL INFORMATION

MARCH 28, 2025

1. Project Description:

- a. *Explain how proposed elevations will improve drainage connectivity within each segment of the drainage project.*

The ditch has collected silt over a long period of time due to poor maintenance in the past. The intent of this project is to remove the silt and establish a grade based on the existing pipe inverts. Although in some segments the proposed grade line is flat, it is our opinion, the removal of the silt and regular maintenance will improve drainage for the area.

- b. Provide details on how the network of existing ditches to the north will function and drain stormwater from the surrounding basin to Clubbs creek at the terminal end of the system.

The only ditch to the north of the Howard Coffin Ditch is more of a shallow swale running adjacent to the ROW of US 17S between the ball field/pool area and the highway. This area flows to the south where it connects to the pipe crossing at the east end of the Howard Coffin ditch.

See attached Exhibit 1b showing the overflow direction.

2. Tide control:

- a. The new headwalls and tide gates will be new impacts to CMPA jurisdiction, please quantify the area and volume of material that needs to be excavated from CMPA jurisdiction in order to install the tide gates. Please provide approximate size of head walls and gates.

The new headwalls are shown to be installed on the upland side of the CMPA jurisdiction. The estimated area and volume of material to be removed in the side slope of the existing ditch has been added to the permit exhibit. See permit sheets 6, 16, and 17

- b. The headwall/tide gate proposed at L137 on sheet 6 of 17 of the CMPA impact exhibits drawings appears to be located on the connection to the tidal pond

on the west side of Lanier Blvd. Tidal connection to the pond should not be blocked. Please revise accordingly.

The proposed tide gate has been removed from the exhibits for this location.

- c. The tidal pond is in the project area. Has dredging of this pond been considered?

There is no intent to perform dredging of this pond according to the City of Brunswick. If the opinion of the GA DNR – CRD is dredging the pond is beneficial and will help the permitting to proceed efficiently then the City of Brunswick is willing to discuss with the CRD in more detail.

- d. Just south of the “limits of investigation” there is a cross drain leading from the Marshwood condos to the marsh. Consistently this area is inundated with high tide waters pushing back up through the pipe and drainage grate. Could this pipe be considered for a tide gate?

The pipe at this location is part of a grant funded project known as Prince Street Tide Control. This project is currently in the design phase with another firm and permitting exhibits will be submitted with this project in a separate application to the GA DNR-CRD.

- 3. Provide schematics of all drains, pipes, elevation gradient and associated flow, drainage patterns, drainage basin area, stormwater inflows to tidal ditch and any other information pertinent to flow regimes in the system. What is the total drainage area for this project? How will areas of ponding within the drainage ditches be avoided? Please provide figures to illustrate where stormwater will be entering the ditch system.

Please see attach Exhibit 3

The approximate average elevation gradient across the site is 0.5%

The four pipes that discharge into the drainage ditch are 18”, 24”, 30” and 36” diameter. See below for the approximate flow of each pipe size with the assumption that the pipe is flowing full.

18” – 8 cfs

24” – 17 cfs

30” – 31 cfs

36" – 51cfs

4. The cross sections are labeled with MHW and MLW measurements of MHW - 2.5ft and MLW - 4ft. Please explain the values and how they were calculated.

Please see attached exhibits.

Both the MHW and MLW values are shown even though the MLW elevation is below the actual ditch bottom. The intent was to represent the ditch being fully drained during the lower tide stages.

The values shown on the cross section were determined using the NOAA Online Vertical Datum Transformation website and the NOAA Tides and Currents website. Station 8677344 St. Simons Island, GA was used. Both sources are showing relatively the same elevations.

5. Project area concerns
 - a. Staff has direct knowledge of one project being funded that will impact the eastern end the proposed project area in this application. How will this impact the proposed activities and why is it not included in this application?

The project referenced above is separate from the project area covered in this application. The two projects were not combined due to the timing of needing the existing ditched to be maintained for positive drainage in leu of being tied-into a project dealing with a living shoreline.

- b. Staff has knowledge of a project that will be adjacent to the southern end of the project area. There are concerns over how the proposed project will affect the plans for the drainage system downstream. Please address.

It is our opinion this project will not affect the downstream drainage system. The Howard Coffin Ditch is to be able to maintain positive drainage and no site improvements which increase storm water runoff on the east side of Lanier Blvd. are being proposed.

6. How will the US ACE be permitting the activities? Please provide PM, SAS#, permit used and any other pertinent information regarding federal consistency.

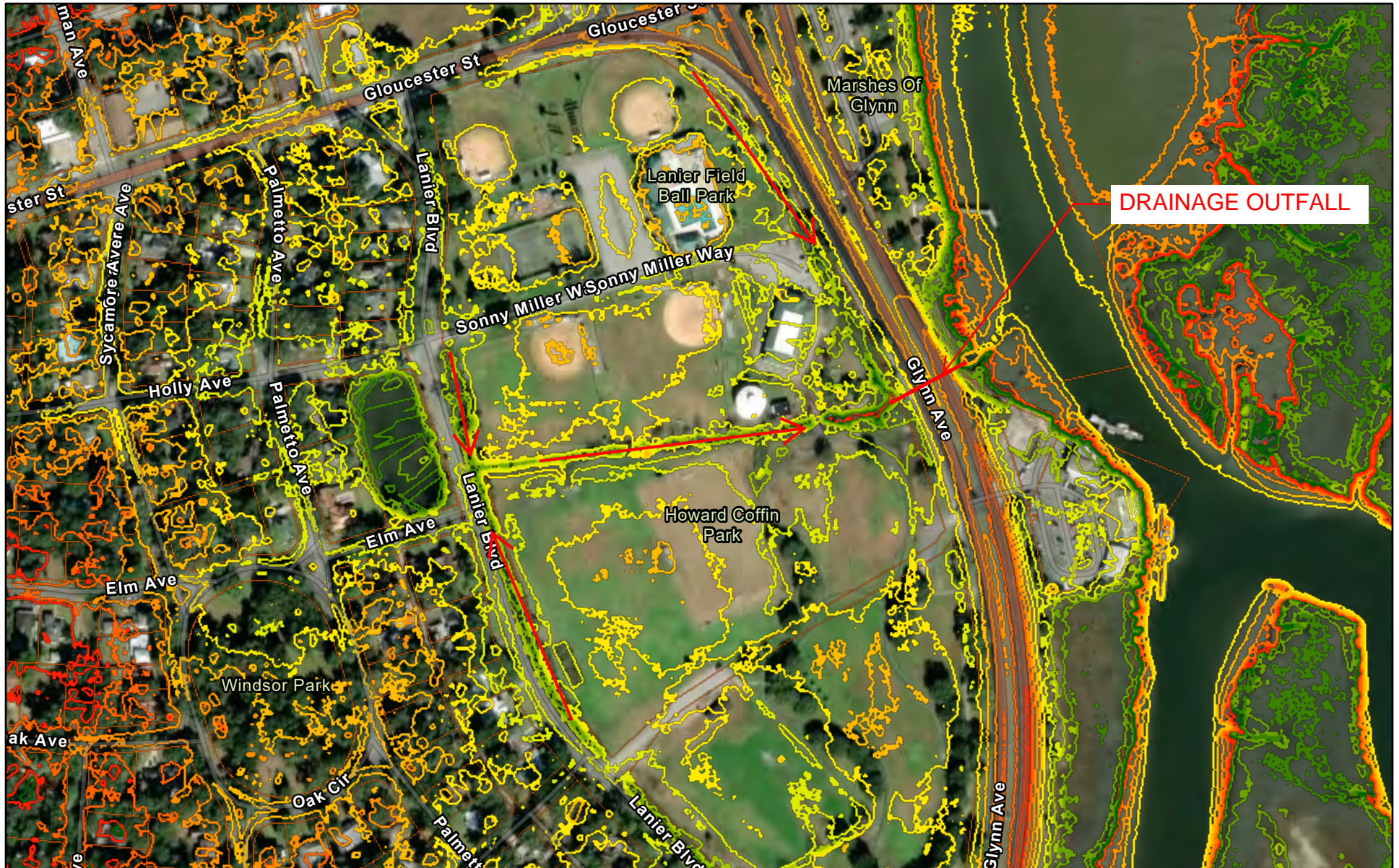
USACE will be permitting the ditch maintenance under NWP 3(b) and the outfall structures under NWP 7. The file number and PM has not yet been assigned. This information will be forwarded upon receipt.

7. Will the project require a 401 water quality certification?

By letter dated December 15, 2020, the Georgia EPD issued a conditional WQC for the use of all NWP's in Georgia pursuant to Section 401 of the Clean Water Act. A copy of the PCN will be provided to Georgia EPD.

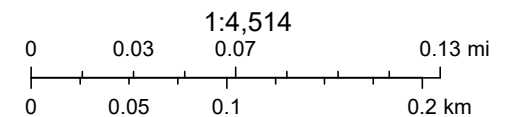
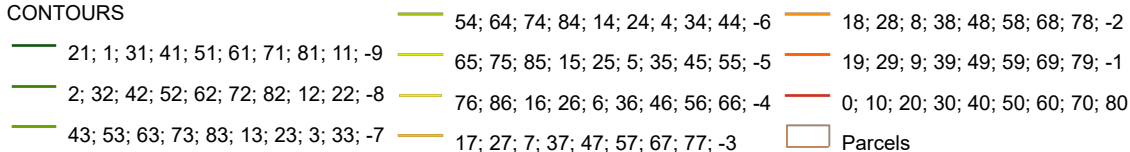
EXHIBIT 1B

ArcGIS Web Map



3/27/2025, 5:50:38 PM

CONTOURS

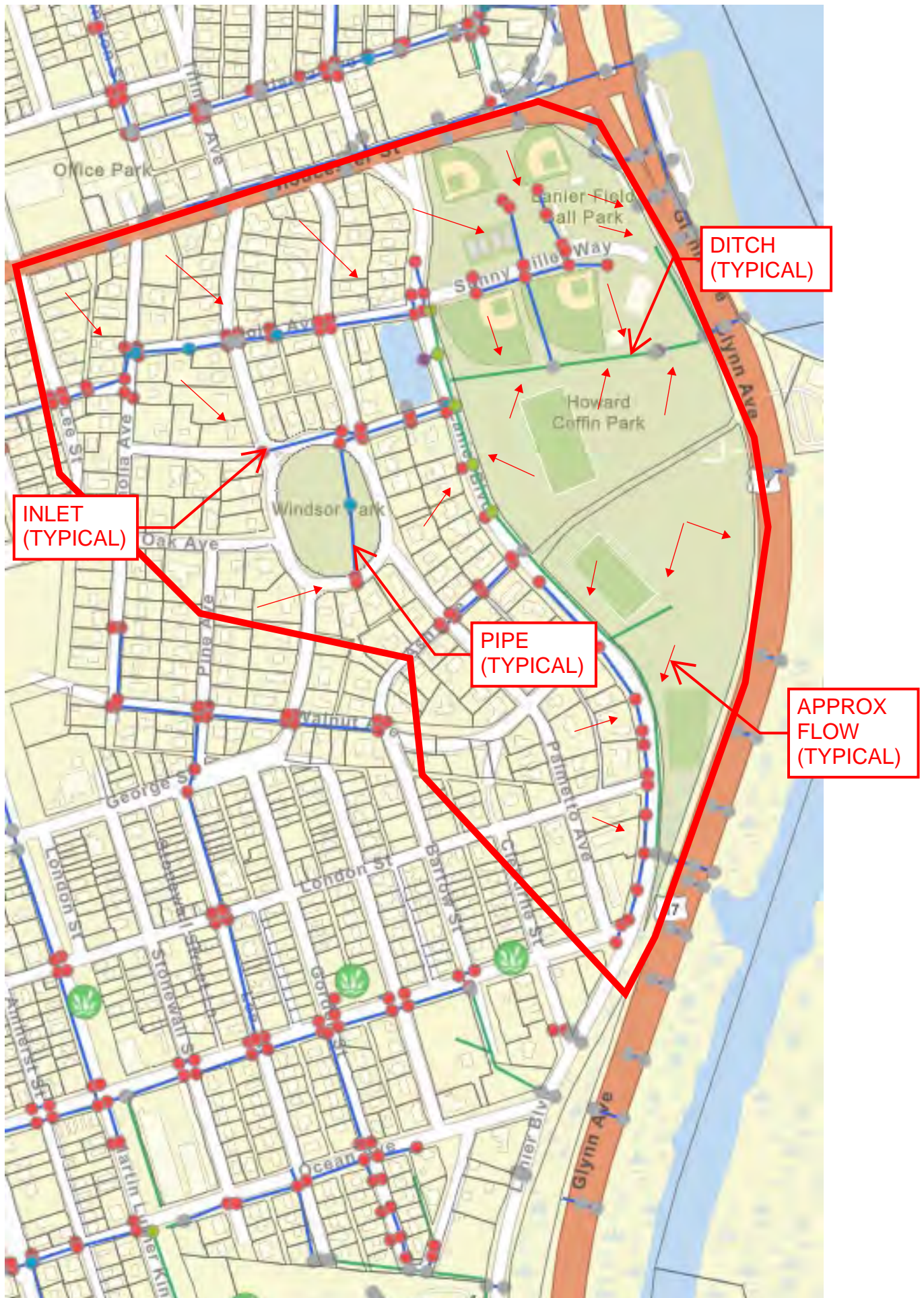


Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, Maxar

ArcGIS Web AppBuilder

Glynn County, GIS | Glynn County GIS Department | Maxar | Esri Community Maps Contributors, Glynn County Georgia, © OpenStreetMap, Microsoft, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau,

EXHIBIT 3





Home (/) / Products (products.html) / Datums (stations.html?type=Datums) /
8677344 St.Simons Island, GA Favorite Stations

[Station Info](#)[Tides/Water Levels](#)[Meteorological Obs.](#)[Phys. Oceanography](#)

Datums for 8677344, St.Simons Island GA

NOTICE: All data values are relative to the NAVD88.

Elevations on NAVD88

Station: 8677344, St.Simons Island, GA

Status: Accepted (Sep 27 2011)

Units: Feet

Control Station: 8670870 Fort Pulaski, GA

T.M.: 75

Epoch: (/datum_options.html#NTDE) 1983-2001

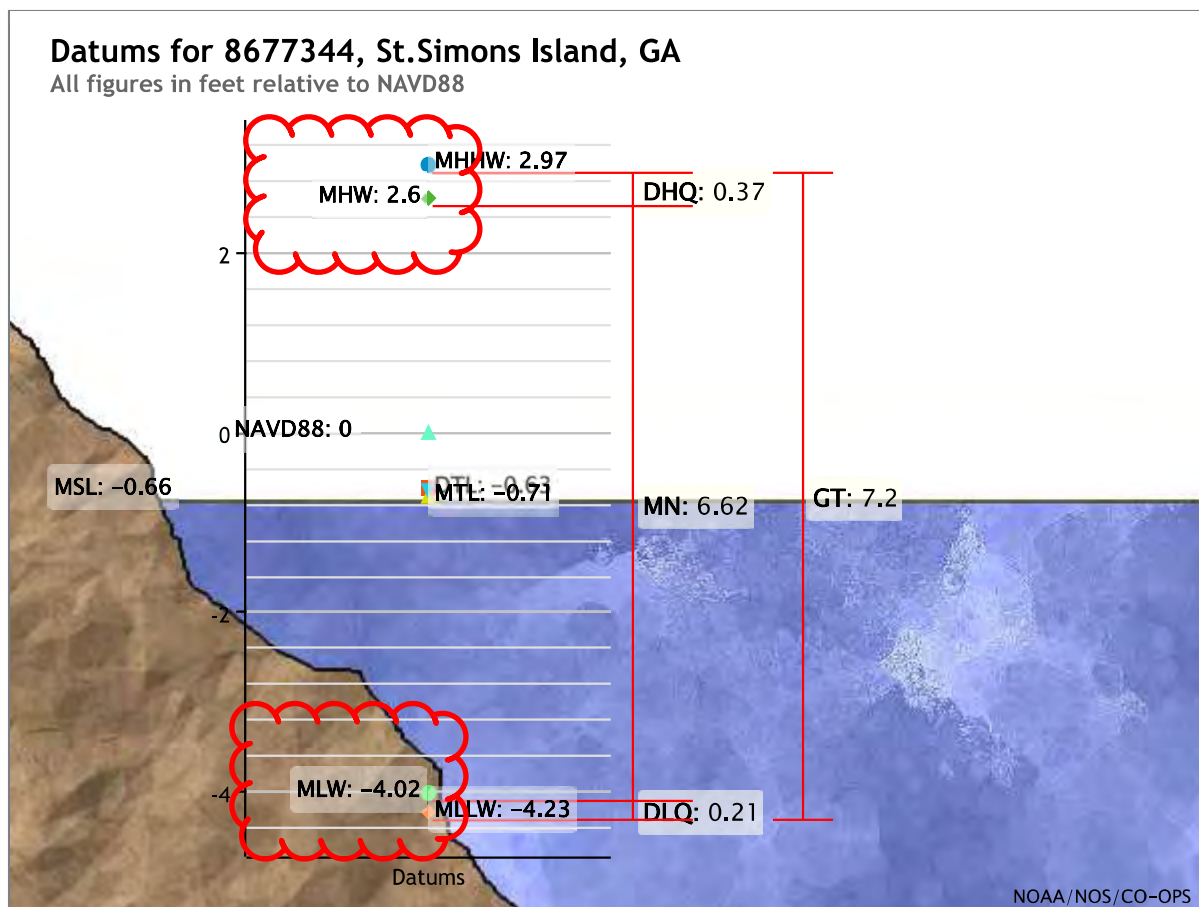
Datum: NAVD88

Datum	Value	Description
MHHW (/datum_options.html#MHHW)	2.97	Mean Higher-High Water
MHW (/datum_options.html#MHW)	2.60	Mean High Water
MTL (/datum_options.html#MTL)	-0.71	Mean Tide Level
MSL (/datum_options.html#MSL)	-0.66	Mean Sea Level
DTL (/datum_options.html#DTL)	-0.63	Mean Diurnal Tide Level
MLW (/datum_options.html#MLW)	-4.02	Mean Low Water
MLLW (/datum_options.html#MLLW)	-4.23	Mean Lower-Low Water
NAVD88 (/datum_options.html)	0.00	North American Vertical Datum of 1988
STND (/datum_options.html#STND)	-5.93	Station Datum
GT (/datum_options.html#GT)	7.20	Great Diurnal Range
MN (/datum_options.html#MN)	6.62	Mean Range of Tide
DHQ (/datum_options.html#DHQ)	0.37	Mean Diurnal High Water Inequality
DLQ (/datum_options.html#DLQ)	0.21	Mean Diurnal Low Water Inequality

Datum	Value	Description
HWI (/datum_options.html#HWI)	0.74	Greenwich High Water Interval (in hours)
LWI (/datum_options.html#LWI)	7.16	Greenwich Low Water Interval (in hours)
Max Tide (/datum_options.html#MAXTIDE)	5.39	Highest Observed Tide
Max Tide Date & Time (/datum_options.html#MAXTIDEDT)	07/22/2001 02:12	Highest Observed Tide Date & Time
Min Tide (/datum_options.html#MINTIDE)	-7.50	Lowest Observed Tide
Min Tide Date & Time (/datum_options.html#MINTIDEDT)	03/08/2008 20:00	Lowest Observed Tide Date & Time
HAT (/datum_options.html#HAT)	5.06	Highest Astronomical Tide
HAT Date & Time	10/09/2033 13:24	HAT Date and Time
LAT (/datum_options.html#LAT)	-6.19	Lowest Astronomical Tide
LAT Date & Time	01/14/2036 07:42	LAT Date and Time

Tidal Datum Analysis Periods

11/01/1999 - 10/31/2008



Showing datums for

8677344 St.Simons Island, GA

Datum

NAVD88



Data Units ☒ Feet

☐ Meters

Epoch ☒ Present (1983-2001)

☐ Superseded (1960-1978)

Submit

Show nearby stations

Products available at 8677344 St.Simons Island, GA

TIDES/WATER LEVELS

Water Levels

NOAA Tide Predictions (</noaatidepredictions.html?id=8677344>)

Harmonic Constituents (</harcon.html?id=8677344>)

Sea Level Trends

Datums (</datums.html?id=8677344>)

Bench Mark Sheets (</benchmarks.html?id=8677344>)

Extreme Water Levels (/est/est_station.shtml?stnid=8677344)

Reports (</reports.html?id=8677344>)

METEOROLOGICAL/OTHER

Meteorological Observations

Water Temp/Conductivity

PORTS®

This station is not a member of PORTS®

OPERATIONAL FORECAST SYSTEMS

This station is not a member of OFS

INFORMATION

Station Home Page (</stationhome.html?id=8677344>)

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Regional Information

* Region : Contiguous United States

Horizontal Information

	Source	Target
Reference Frame:	NAD83(2011)	NAD83(2011)
Coord. System:	Geographic (Longitude, Latitude)	Geographic (Longitude, Latitude)
Unit:	meter (m)	meter (m)
Zone:	AL E - 0101	AL E - 0101

☒ Vertical Information

	Source	Target
Reference Frame:	MHW	NAVD 88
Unit:	foot (U.S. Survey) (US_ft)	foot (U.S. Survey) (US_ft)
	<input checked="" type="radio"/> Height <input type="radio"/> Sounding <input type="checkbox"/> GEOID model: GEOID18	<input checked="" type="radio"/> Height <input type="radio"/> Sounding <input type="checkbox"/> GEOID model: GEOID18

[Point Conversion](#)
[ASCII File Conversion](#)

Input

Latitude:
e.g. 33.7586 or 33 45 30.9600

Longitude:
e.g. -118.7691 or -118 46 8.7600

Height:
e.g. 3.037

☐ to DMS

Output

Latitude:

Longitude:

Height:

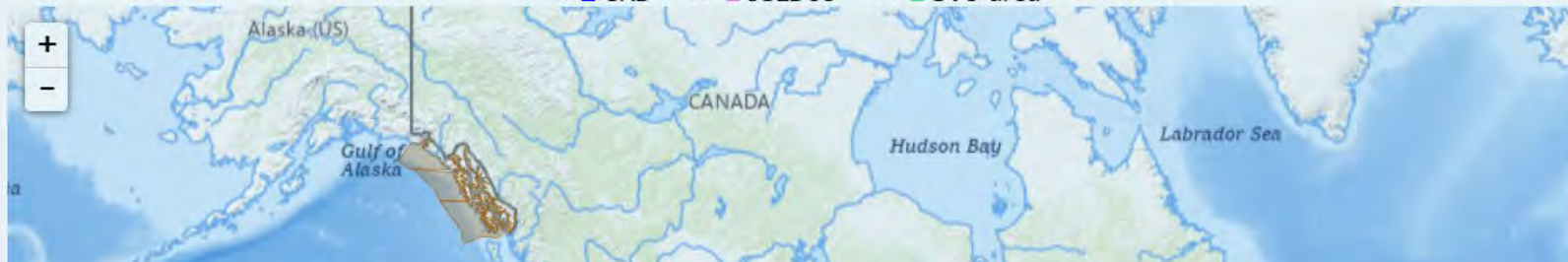
Vertical Uncertainty: ☒ 1 sigma ☐ 95% Confidence

Vertical Uncertainty (+/-): 0.242 US_ft

☐ Add Observation Vertical Uncertainty

Vertical_Area: FLGAeastbays31_8301:1:3

☒ Valid Tidal area
 ☒ Non-Tidal area
 ☒ Non-Valid area
☒ CRD
 ☒ IGLD85
 ☒ SVU area



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Regional Information

* Region : Contiguous United States

Horizontal Information

	Source	Target
Reference Frame:	NAD83(2011)	NAD83(2011)
Coor. System:	Geographic (Longitude, Latitude)	Geographic (Longitude, Latitude)
Unit:	meter (m)	meter (m)
Zone:	AL E - 0101	AL E - 0101

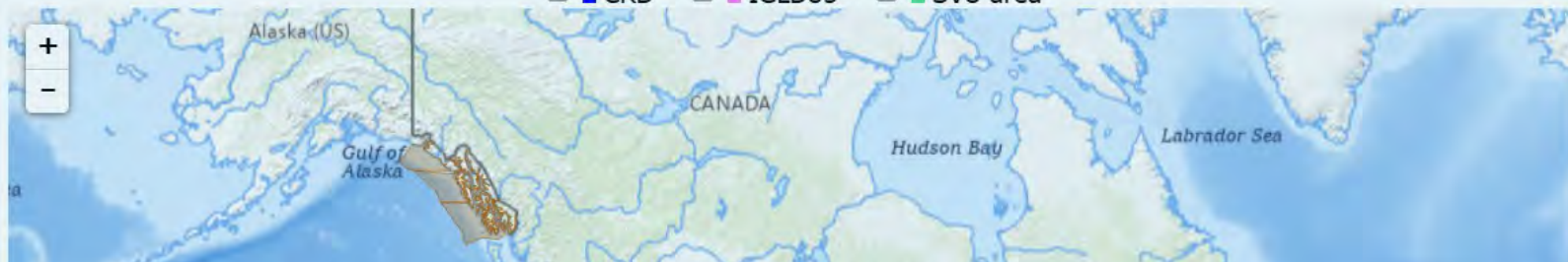
☒ Vertical Information

	Source	Target
Reference Frame:	MLW	NAVD 88
Unit:	foot (U.S. Survey) (US_ft)	foot (U.S. Survey) (US_ft)
	<input checked="" type="radio"/> Height <input type="radio"/> Sounding <input type="checkbox"/> GEOID model: GEOID18	<input checked="" type="radio"/> Height <input type="radio"/> Sounding <input type="checkbox"/> GEOID model: GEOID18

[Point Conversion](#)
[ASCII File Conversion](#)

Input		Output	
Latitude:	31.129482 <small>e.g. 33.7586 or 33 45 30.9600</small>	Latitude:	31.1294820000
Longitude:	-81.418312 <small>e.g. -118.7691 or -118 46 8.7600</small>	Longitude:	-81.4183120000
Height:	0 <small>e.g. 3.037</small>	Height:	-4.026
<input type="checkbox"/> to DMS <input checked="" type="radio"/> 1 sigma <input type="radio"/> 95% Confidence <input type="checkbox"/> Add Observation Vertical Uncertainty		Vertical Uncertainty (+/-): 0.26 US_ft	
Vertical_Area: FLGAeastbays31_8301:1:3			

☒ Valid Tidal area
 ☒ Non-Tidal area
 ☒ Non-Valid area
☒ CRD
 ☒ IGLD85
 ☒ SVU area



From: [Dan Bucey](#)
To: [Tobler, Paul](#)
Cc: [Noble, Josh](#); kip_goodbread@emc-eng.com; [Katarina Crumpler](#)
Subject: RE: Howard Coffin Ditch CMPA application
Date: Thursday, April 10, 2025 3:45:31 PM
Attachments: [image001.png](#)
[22-5028.01V CMPA \(Signed JRT 4-9-2025\).pdf](#)
[Responses to Questions from CRD on April 1 2025.pdf](#)

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Paul;
Attached is response to your 4/1/2025 questions from the project engineer and City of Brunswick Engineer. Also attached is revised set of permit drawings depicting minor revisions:

1. The revised project area will remain the same at 2.48 acres. The amount of material to be dredged would increase from the original 2,050 CY to 2,089 CY for a 39 CY increase.
2. The tide gate on the pipe connected to the tidal pond south of Holly Road has been removed
3. The existing pipe at the end of Elm Ave. has an existing headwall. The proposed tide gate will be installed on the existing headwall, so no new headwall at this location.
4. The existing clay pipe at the end of Ash Ave. will be cut back and a new headwall installed landward of CMAA jurisdiction. A tide gate will be installed at this location. Three (3) tide gates total are proposed.

Let me know if you have any other questions to get this project on notice.

Thanks,

Daniel Bucey, PRINCIPAL

41 Park of Commerce Way, Suite 101
Savannah GA, 31405

P 912 443 5896 F 912 443 5898 C 912 659 0988

<http://www.rlandc.com>



From: Tobler, Paul <paul.tobler@dnr.ga.gov>

Sent: Tuesday, April 1, 2025 3:54 PM

To: Dan Bucey <dbucey@rlandc.com>

Cc: Noble, Josh <Josh.Noble@dnr.ga.gov>; kip_goodbread@emc-eng.com; [Katarina Crumpler <Katarina_Crumpler@emc-eng.com>](mailto:Katarina_Crumpler@emc-eng.com)

Subject: RE: Howard Coffin Ditch CMAA application

Dan,

I have reviewed the response and have just a couple more questions. I have listed my questions according to which item in the response letter they are referencing. See below:

- 2a. Why isn't there a tide gate proposed on the Ash Ave. pipe?

- 2c. It is my opinion that dredging the tidal pond would increase capacity in this drainage system for larger than average tides and storm events. Most of the conversations I have had with the City about drainage in this area seem to be based around the idea that increasing capacity in the system is of overarching importance. If you would like to schedule a call to discuss this further, as suggested in your responses, I would be happy to do so.
- 2d. The pipe that is just out of your project area drains 9 inlets along Lanier according to Exhibit 3. Even if this pipe is going to be included in another application and excluded in this one, the possible affects that dredging the ditch that leads to this pipe needs to be considered or discussed in this application at a minimum.
- 3. Exhibit 3 shows a pipe on Ash Ave. This seems to be omitted from this response as well as 2a.
- 5a. I have done a pre-application site visit with the agent for the proposed living shoreline (LSL) on this end of the project area and he told me that the project area for your application would stop at the earthen road/culvert located near the middle of the east-west ditch. Please clarify what is going to be done in the area as it relates to the forthcoming LSL application.
- Please provide the PCN for the NWP3 that has been applied for

I will be out of the office starting tomorrow through April 9. I am happy to discuss any of these items in more detail when I return.

Sincerely,

Paul D. Tobler

Coastal Permit Coordinator

[Coastal Resources Division](#)

Direct: (912) 689-6261

Main: (912) 264-7218

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A division of the

GEORGIA DEPARTMENT OF NATURAL RESOURCES

From: Tobler, Paul

Sent: Monday, March 31, 2025 12:51 PM

To: Dan Bucey <dbucey@rlandc.com>

Cc: Noble, Josh <Josh.Noble@dnr.ga.gov>; kip_goodbread@emc-eng.com; Katarina Crumpler <Katarina_Crumpler@emc-eng.com>

Subject: RE: Howard Coffin Ditch CMPA application

Dan,

I have received the response. I will review and get back to you if anything additional is needed. Let me know if you have any questions in the meantime.

Sincerely,

Paul D. Tobler

Coastal Permit Coordinator

[Coastal Resources Division](#)

Direct: (912) 689-6261

Main: (912) 264-7218

Howard Coffin Park Drainage Improvements

Response to CRD RAI Request received via email of 4/1/2025

2a. Why isn't there a tide gate proposed on the Ash Ave. pipe?

The existing pipe was not known at the time of the survey and was covered in material approximately 15" below the surface.

The pipe has been located, and the invert elevation was determined by the survey crew. The existing pipe is a 15" diameter clay pipe. A new headwall and tide gate has been added to the permit exhibits on sheet 8. The proposed location is landward of CMPA jurisdiction.

The applicable volume calculations have been updated.

A profile detail has been provided on sheet 17.

2c. It is my opinion that dredging the tidal pond would increase capacity in this drainage system for larger than average tides and storm events. Most of the conversations I have had with the City about drainage in this area seem to be based around the idea that increasing capacity in the system is of overarching importance. If you would like to schedule a call to discuss this further, as suggested in your responses, I would be happy to do so.

We have reviewed the pond at a low tide stage for which the pond had drained as much as possible and was not flowing. The pond will not drain any lower than the invert of the existing pipe. Dredging material located below the existing pipe invert elevation will not increase capacity.

There is a small area of sediment build-up in the pond near the outfall which is slightly higher than the pipe invert, however, removal of the material would not result in an increased storage capacity that would make a noticeable difference.

In our opinion, the cost of removal of sediment in this area would not return a notable benefit to the adjacent properties or overall drainage system.

2d. The pipe that is just out of your project area drains 9 inlets along Lanier according to Exhibit 3. Even if this pipe is going to be included in another application and excluded in this one, the possible affects that dredging the ditch that leads to this pipe needs to be considered or discussed in this application at a minimum

The intent of this project is to increase the capacity of the existing silted in ditch back to its original capacity and to provide a positive flow of stormwater from the north to the south. The basin area draining into the ditch is not being increased. The existing ditch section is not being widened from its original section in order to convey more stormwater.

There are no planned hardscapes or improvements for this project which generate an increase in flows associated with stormwater runoff.

The referenced cross drain to the south is affected by tides controlled by the outfall located to the east which runs under Highway 17.

3. Exhibit 3 shows a pipe on Ash Ave. This seems to be omitted from this response as well as 2a.

The existing pipe was not known at the time of the survey and was covered in material approximately 15" below the surface.

The pipe has been located, and the invert elevation was determined by the survey crew. The existing pipe is a 15" diameter clay pipe. A new headwall and tide gate has been added to the permit exhibits on sheet 8. The proposed location is landward of CMPA jurisdiction.

The applicable volume calculations have been updated.

A profile detail has been provided on sheet 17.

5a. I have done a pre-application site visit with the agent for the proposed living shoreline (LSL) on this end of the project area and he told me that the project area for your application would stop at the earthen road/culvert located near the middle of the east-west ditch. Please clarify what is going to be done in the area as it relates to the forthcoming LSL application.

The LSL project on the east end of the ditch will include a natural, living shoreline bank stabilization on both sides of the ditch between the access road and US Hwy 17. The bank stabilization will also encompass the ends of the existing pipe under the access road on both sides. Additionally, the bank stabilization will include approx. 100 ft on the west side of the access road adjacent to the existing JWSC water production facility.

The LSL project application may also include a request to relocate the three existing water utility carrier pipes. The pipes are currently aerial

crossings through the ditch. If relocated, they would be directionally drilled under the ditch.

The reason for the separation of these projects is timing. There was no available funding, and the LSL project was not in our plans at the time that this ditch maintenance project was initiated. The LSL project will take several months for design and permitting.

The applicant does not want to rush the design of that project to include it with this ditch maintenance, furthermore, the applicant requests not to delay this ditch maintenance project to wait on the LSL project.

The applicant is interested in progressing with this ditch maintenance project as quickly as possible.

Please provide the PCN for the NWP3 that has been applied for

The PCN for use of NWP 3(b) and NWP 7 has not yet been submitted pending revisions related to CRD request for additional information. A copy of the PCN will be provided to CRD and EPD once submitted.

Additional comment:

The previously submitted CMPA exhibits depicted a new headwall and tide gate to be installed on an existing pipe off the end of Elm Street (sheet 6). The revised CMPA exhibit shows the existing headwall to remain which will allow for the proposed tide gate to be attached therefore the previously proposed headwall has been omitted.