



**AGENDA
HARBOR AND WATERWAYS BOARD MEETING
THURSDAY, APRIL 25, 2024
5:30 PM
DESTIN CITY HALL ANNEX CHAMBERS**

- 1. CALL TO ORDER/PLEDGE OF ALLEGIANCE/ROLL CALL**
- 2. APPROVAL OF MINUTES**
- 3. NEW BUSINESS**
 - A) Residential Marine Construction application (HWB-001361-2024) at 510 Vera Cruz Drive**
 - B) Draft Article 7, Section 7.03 - Marina Siting**
- 4. DIRECTOR'S REPORT**
 - A) Net Positive Environmental Benefit (NPEB) Fee-Discussion**
- 5. PUBLIC COMMENTS**
- 6. COMMITTEE MEMBER REPORTS**
 - A) William McKissick**
 - B) Richard Hoey**
 - C) Capt. Jim Green**
 - D) Guy Tadlock**
 - E) Capt. Casey Jones**
 - F) Jerod Hayden**
- 7. NEXT MEETING DATE: May 23, 2024**

Any person requiring a special accommodation at this hearing because of a disability or physical impairment should contact the City Clerk at (850) 837-4242 at least 48 hours prior to the hearing. If a person decides to appeal any decision made with respect to any matter considered at such meeting, such person will need a record of the proceeding and for such purpose may need to ensure that a verbatim record of the proceeding is made, which record includes the testimony and evidence upon which the appeal is to be based. (Sec. 286.0105, Florida Statutes)

CITY OF DESTIN – COMMUNITY DEVELOPMENT



AGENDA ITEM

MEETING DATE: April 25, 2024
BOARD/COMMITTEE: Harbor & Waterways Board
TYPE OF AGENDA ITEM: Action Item
OUTLINE NUMBER: 3.A.

TO: Harbor & Waterways Board

THRU: Louis Zunguze, Interim City Manager
Kimberly Kopp, City Attorney
Steve O'Connor, Principal Planner

FROM: Tina Deater, Planner

DATE: April 18, 2024

SUBJECT: Residential Marine Construction application (HWB-001361-2024) at 510 Vera Cruz Drive

I. BACKGROUND: LDL Marine Contractors, on behalf of Vera C LLC, has applied for Harbor and Waterways Board review for the replacement of an existing dock with a new marginal dock along ninety (90) feet of shoreline, which will extend into the canal by no more than six (6) feet. The total square footage over water of the proposed dock is approximately 487 square feet.

Project Details: The applicant seeks a recommendation of approval from the Harbor and Waterways Board for a Residential Marine Construction project proposing a dock with:

Total Square Feet:	487
Total Number of Piers or Docks:	1 Dock
Total Length:	90' along shoreline, no more than 6' into the canal
Total Slip Density:	1
Located in the Destin Harbor:	Yes

The new dock is replacing an existing dock, relocating the existing jet ski lift, and removing an existing boat lift. It will have a pivoting jet ski lift, to allow the vessel to be stored over the dock when not in use.

II. DISCUSSION: The applicant requests Harbor and Waterways Board review for residential marine construction located at 510 Vera Cruz Drive, on a canal of Destin Harbor.

The Harbor and Waterways Board is being asked to review the proposed marine project per Land Development Code **Section 11.05.01 - General regulations; prohibitions** and **Section 11.05.02 – Permitting procedures**. Below are Staff’s findings with respect to **Section 11.05.01** and **Section 11.05.02**; items not applicable to this project are marked “Not Applicable.”

11.05.01. General regulations; prohibitions. *This article establishes and regulates procedures and standards by which the City controls and regulates development, construction and activities within and contiguous to the Harbor and waterways of Destin. The following regulations and prohibitions shall apply to the Harbor and waterways of Destin:*

A. No person shall construct or add to an existing dock, seawall, bulkhead, mooring or piling, modify an existing submerged land lease, or conditions thereto, or conduct dredge or fill operations in, or contiguous to, the Harbor or waterways of Destin without first obtaining the proper authorization from the appropriate federal, state and City agencies.

***Staff response:** The applicant has submitted for authorization from all appropriate agencies.*

B. The addition or modification of a boat lift or pilings within an existing legal and conforming boat slip shall not require the review of the Harbor and Waterways Board or the City Council. Rather, a copy of the U.S. Army Corps of Engineers permit, DEP permit, and a homeowner's association approval (if applicable) shall accompany a completed application for a building permit, provided no additional slips are created.

***Staff response:** Not applicable.*

C. No fish carcasses and debris shall be discharged into the Harbor or waterways of Destin.

***Staff response:** This regulation applies to all users of the harbor and waterways of Destin and shall be adhered to.*

D. No person who maintains or operates a dock shall allow or permit the disposal of fish carcasses, litter, waste petroleum products or other pollutants into the Harbor or waterways of Destin. Trash disposal receptacles shall be anchored to each dock to ensure compliance with the provisions of this article.

***Staff response:** This regulation applies to all users of the harbor and waterways of Destin and shall be adhered to.*

E. No fuel or oil shall be willfully or knowingly discharged in the Harbor or waterways of Destin. No dock which sells fuel or oil shall be constructed, operated or maintained in the Harbor or waterways of Destin unless an oil abatement plan, in accordance with Coast Guard guidelines, is available at each dock. The Destin Harbor and Waterways Board shall review and recommend approval or disapproval of each oil abatement plan to the City Council, which shall have approval authority. Each existing dock which sells fuel or oil shall develop and have approved an oil abatement plan acceptable to the City. All new docks which sell fuel or oil shall develop and have an approved oil abatement plan, which is acceptable to the City, prior to receiving a building permit from the City.

Staff response: This regulation applies to all users of the harbor and waterways of Destin and shall be adhered to. This is a residential dock; therefore, no fuel or oil will be sold, and an oil abatement plan is not required.

F. No new or existing dock shall be constructed or modified such that the length of any pier as completed is greater than 20 percent of the width of the Harbor or waterway at the place where the pier is located, or out 200 feet, whichever is less, except in Choctawhatchee Bay.

Staff response: The proposed dock complies with this regulation. The canal is approximately 96' feet wide at this location, and the dock will extend a maximum of 6' into the canal.

G. No piling(s) shall be added to the waterward end of any pier which piling(s) would make the total length of the dock more than 200 feet, or 20 percent of the waterway, whichever is less, except in Choctawhatchee Bay.

Staff response: The proposed dock complies with this regulation.

H. No vessel shall be moored or docked on the waterward end of any pier of the maximum legal length, as determined pursuant to subsection F above, for more than 72 hours.

Staff response: This regulation applies to all users of the harbor and waterways of Destin and shall be adhered to.

I. No dock shall be constructed which permits the commercial docking of boats with on-board toilets unless such the dock is equipped with a sewage pump-out.

Staff response: Not applicable.

J. No dock shall be constructed which permits the docking of a live-aboard unless such a vessel has an operable holding tank.

Staff response: This regulation applies to all users of the harbor and waterways of Destin and shall be adhered to.

K. No boat shall be moored in the Harbor or waterways of Destin such that it constitutes a hazard to navigation.

Staff response: This regulation applies to all users of the harbor and waterways of Destin and shall be adhered to.

L. No dock shall be constructed such that it constitutes a hazard to navigation.

Staff response: This regulation applies to all users of the harbor and waterways of Destin and shall be adhered to.

M. Excepting docks connected to uplands zoned SHMU, or those located on

Choctawhatchee Bay, no dock shall be longer than the width, at the mean high-water line, of the lot to which the dock is attached.

Staff response: *Not applicable.*

i. For those docks connected to uplands zoned SHMU, or those located on Choctawhatchee Bay, a dock may be constructed to a length of 1.5 times the width of the property at the mean high-water line, provided the length of the dock does not exceed the maximum length established by paragraphs F and G above.

Staff response: *Not applicable*

ii. For the purpose of this subsection, lots may be combined with neighboring lots. However, no dock may exceed the limitations specified in subsection F above.

Staff response: *Not applicable.*

N. No dock shall be constructed or modified such that slip density exceeds one slip per eight linear feet of waterfront footage except that, on canals, no lot may have more than one slip per 45 linear feet of waterfront. However, all lots riparian to a canal shall be entitled to at least two slips on the canal.

Staff response: *The proposed dock complies with this regulation.*

O. No boat or vessel, entering into, exiting or operating within the Destin Harbor shall operate at such a speed that it would create a wake that endangers other boats or vessels, swimmers or other persons within the Destin Harbor, or would contribute to any adjacent land erosion.

Staff response: *This regulation applies to all users of the harbor and waterways of Destin and shall be adhered to.*

P. No heated or cooled water may be emitted into the Harbor, waterways, or the Harbor canals other than from a boat.

Staff response: *This regulation applies to all users of the harbor and waterways of Destin and shall be adhered to.*

Q. No pier shall extend more than six feet into a canal right-of-way.

Staff response: *The proposed dock complies with this regulation.*

R. No discharge of water shall contain phosphorous or any other substance likely to cause a violation of the water quality standards specified in Chapter 17-302, Florida Administrative Code.

Staff response: *This regulation applies to all users of the harbor and waterways of Destin and shall be adhered to.*

S. No dock or vessel shall be placed within the 25-foot setback of a property line without providing prior written notification to the adjoining landowners and requesting their response. Any objections received from the adjoining property owners will be considered by the Harbor and Waterways Board in their recommendations to the City Council.

Per Land Development Code **Section 11.05.02 K.**, in water bodies of less than 100 feet in width, owners of property on the opposing shore to the proposed construction shall be provided with written notification of the proposed construction. Any objections received will be provided to the Harbor and Waterways Board and the City Council.

***Staff response:** Staff sent the attached Property Owner's Notice on March 21, 2024.*

T. No dock shall unreasonably interfere with the riparian rights of others.

***Staff response:** Staff sent the attached Property Owner's Notice on March 21, 2024. As proposed, the riparian rights of others are not interfered with.*

U. No dock of 100 feet or longer shall be constructed unless a white navigation/security night-light is installed at the furthest point seaward on said dock and such light is to be illuminated continuously from dusk to dawn every night of the year. All existing docks 100 feet or longer shall install and operate a navigation/security light pursuant to this subsection. Each light shall be installed within 90 days after adoption of this Code.

***Staff response:** Not applicable.*

V. No commercially operated boat docking facilities shall be permitted or operated unless equipped with firefighting facilities as specified by the City.

***Staff response:** Not applicable.*

W. No construction shall be allowed which violates any provision of the Standard Building Code, as adopted by the City.

***Staff response:** Applicant must obtain an approved Marine Construction Permit prior to any construction.*

X. No electrical or water service upon any dock shall be installed unless a permit is obtained from the Planning Department and Building Department for that service.

***Staff response:** Applicant must obtain an approved Marine Construction Permit prior to any construction.*

Y. No person, while operating a boat within the waterways of Destin shall allow or permit the disposal of fish carcasses, litter, waste, petroleum products or other pollutants into the Harbor or waterways of Destin from such boats.

***Staff response:** This regulation applies to all users of the harbor and waterways of Destin and shall be adhered to.*

Z. No lot, or multi-contiguous lots, with less than 50 feet of waterfront footage shall be allowed for individual docks, unless they are parallel to the shoreline. However, docks may be allowed under the provisions of subsection 11.05.01.M.2.

Staff response: Not applicable.

Pursuant to **Section 11.05.03, Land Development Code (LDC)**, all construction shall be inspected by the City Building Inspector for compliance with applicable building codes. The applicant shall be responsible for the condition and repair of permitted docks and failure to maintain said docks in a safe condition shall constitute grounds for revocation of the permit.

PUBLIC COMMENT:

Staff have received no comments from the public to date.

- A. **Link to Strategic Goals / Objectives:** 4) Enhanced quality of life and safety for families.
- B. **Effect on Budget (EOB):** N/A
- C. **Level of Service (LOS):** N/A
- D. **Legislative Sponsor:**

III. CONCLUSION: The applicant requests Harbor and Waterways Board approval for a residential marine construction project located at 510 Vera Cruz Drive. Additionally, the applicant provided a receipt of submittal from the Florida Department of Environmental Protection (FDEP), Self-Certification File No: 0446116001EE.

City Staff reviewed the application and determined that the plans comply with **LDC Section 11.05.00, Marina Siting**, and the Coastal Management Element of the City's Comprehensive Plan (**Coastal Management Element Policy 6-1.1.6**).

IV. RECOMMENDED MOTION: I move that the Harbor and Waterways Board recommend approval of the marine construction project proposed at 510 Vera Cruz Drive, for the replacement of an existing dock with a new marginal dock along ninety (90) feet of shoreline, which will extend into the canal by no more than six (6) feet, and is approximately 487 square feet over water, with the following conditions:

1. **All applicable Federal or State approvals shall be submitted with the Marine Construction Permit application; and**
2. **All regulations of the City's Marina Siting LDC Section 11.05.00 shall be adhered to and followed at all times.**

ALTERNATIVE MOTION:

I move that the Harbor and Waterways Board deny the proposed marine construction project at 510 Vera Cruz Drive.

Attachments:

1. 1 - Site Plan

ITEM # 2024-80

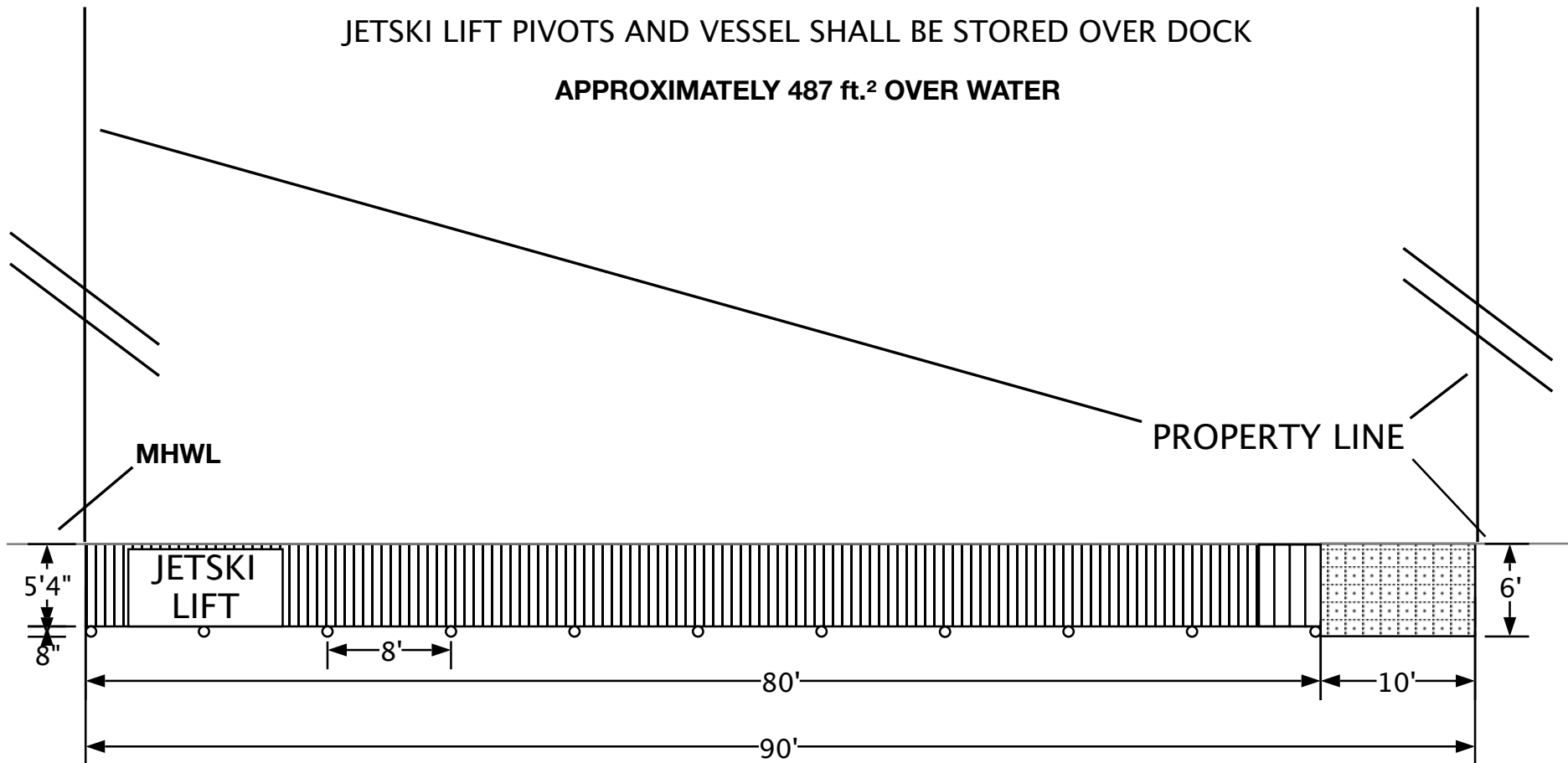
2. 2 - Dock Details
3. 3 - FDEP SelfCertification Receipt
4. 4 - Property Owner Notice

JOLLY RESIDENCE
510 VERA CRUZE

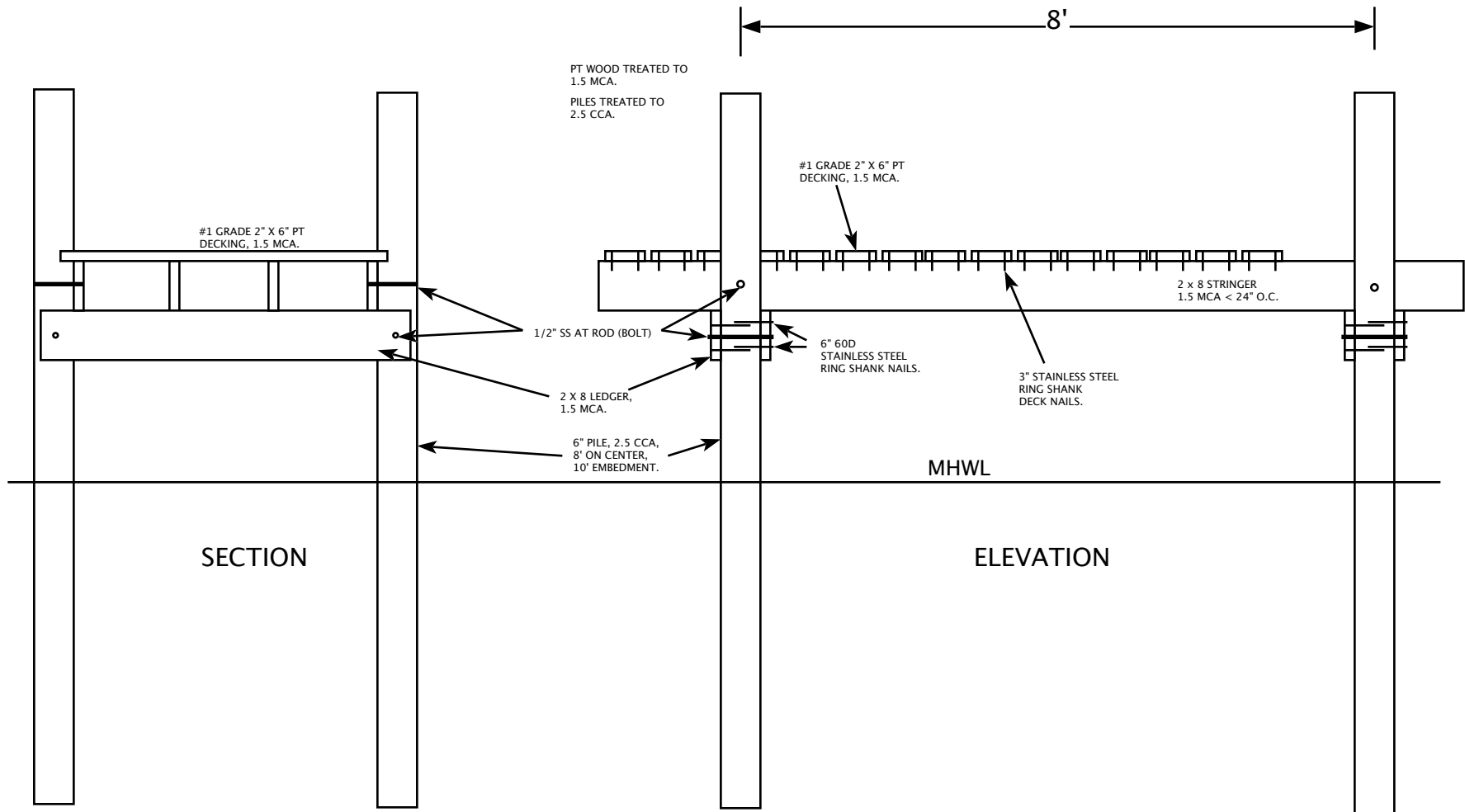
SCALE 1" = 10'




JETSKI LIFT PIVOTS AND VESSEL SHALL BE STORED OVER DOCK
APPROXIMATELY 487 ft.² OVER WATER




DOCK SECTION AND ELEVATION DETAIL



L D & L MARINE CONTRACTORS
297 W. MIRACLE STRP. PKWY
MARY ESTHER, FL. 32569
(Chuck LoBello) 585 3003 / chuckldl@cox.net
(Clay Duhon) 585 5557 / c3d1@cox.net
MARINE CONTRACTOR LIC. NO. 11071-0600564

From: no-reply@dep.state.fl.us 
Subject: FDEP ERP Self-Certification Receipt
Date: March 6, 2024 at 2:13 PM
To: idlmarineprojects@gmail.com
Cc: ERP.SELFCERTS@DEP.STATE.FL.US, SPGP@USACE.ARMY.MIL, NMFS.SER.PROGRAMMATICREVIEW@NOAA.GOV, <401_WQC_NOTIFICATIONS@usace.army.mil> 401_WQC_NOTIFICATIONS@USACE.ARMY.MIL, NWD_ERP_APPLICATIONS@FLORIDADEP.GOV



<p>Mail Attachment </p>	<p>FLORIDA DEPARTMENT OF Environmental Protection</p>	<p>Ron DeSantis Governor Jeanette Nuñez Lt. Governor Shawn Hamilton Secretary</p>
<p>Bob Martinez Center 2600 Blair Stone Road Tallahassee, Florida 32399-2400</p>		

Receipt for Submission

**SELF-CERTIFICATION FOR A PROJECT AT A
PRIVATE, RESIDENTIAL SINGLE-FAMILY DOCK**

03/06/2024

Self-Certification File No.: **0446116001EE**

File Name: **510 Vera Cruz Dr Destin, FL 32541 - Self-Certification Modify (General)**

Dear **Chuck LeBello**: On **03/06/2024** you used the Florida Department of Environmental Protection's electronic Self Certification Process to certify compliance with the terms and conditions of the Single-Family Dock ERP Exemption Self Certification Process for a project at private, single-family residence located at:

LAT - Degrees: **30** Minutes: **23** Seconds: **6.6091**
LONG - Degrees: **-86** Minutes: **29** Seconds: **51.1107**
SITE ADDRESS: **510 Vera Cruz Dr Destin, FL 32541**
COUNTY: **Okaloosa**

For:
Daniel Joly
510 Vera Cruz Dr. Destin, FL 32541

You have certified that the project you propose to construct at the above location meets all the conditions of the Self-Certification Process. A project that is built in conformance to those conditions (attached for reference) will:

1. Qualify for a regulatory exemption under Section 403.813(1)(b) of the Florida Statutes (F.S.) and Chapter 62-330, Florida Administrative Code (F.A.C.). As such, it is exempt from the need to obtain a DEP Environmental Resource Permit.;
2. Qualify for Consent by Rule or Letter of Consent (as applicable) under Chapter 253, F.S. and Chapter 18-21, F.A.C. (and Chapter 258, F.S. and Chapter 18-20, F.A.C., if applicable), when the project is located on submerged lands owned by the State of Florida.

Your Self-Certification is based solely on the information you provided under this process and applies only to the statutes and rules in effect when your certification was completed. The certification is effective only for the specific project proposed, and only if the project is constructed, operated, and maintained in conformance with all the terms, conditions, and limitations stated in the Self-Certification Process. In addition, any substantial modifications in your plans should be submitted to the Department for review, as changes may result in a permit being required.

You have acknowledged that this Self Certification will automatically expire if:

1. Construction of the project is not completed within one year from the self-certification date;
2. site conditions materially change;
3. the terms, conditions, and limitations of the Self Certification are not followed; or
4. the governing statutes or rules are amended before construction of the project.

Completion of the Self Certification constitutes your authorization for Department or Corps personnel to enter the property for purposes of inspecting for compliance.

Receipt of this Self-Certification constitutes authorization to use sovereignty/state-owned submerged lands, as required by rule 18-21.005, F.A.C.

The authorization must be visibly posted during all construction activities.

In waters that are accessible to manatees, obtain information on your mandatory Manatee Protection sign by [clicking here](#).

FEDERAL STATE PROGRAMMATIC GENERAL PERMIT (SPGP)

You have certified that the project you propose to construct at the above location meets all the conditions of the SPGP Self-Certification Process and will be built in conformance to those conditions (attached for reference). Your proposed activity as certified is in compliance with the SPGP program. U.S. Army Corps of Engineers (Corps) Specific conditions apply to your project, attached. **No further permitting for this activity is required by the Corps. Although the construction period for works authorized by Department of the Army permits is finite, the permit itself, with its limitations, does not expire.**

Notifications to the Corps. For all authorizations under this SPGP VI-R1, including Self-Certifications, the Permittee shall provide the following notifications to the Corps:

1. Commencement Notification. Within 10 days before the date of initiating the work authorized by this permit or for each phase of the authorized project, the Permittee shall provide a written notification of the date of commencement of authorized work to the Corps
2. Corps Self-Certification Statement of Compliance form. Within 60 days of completion of the work authorized by this permit, the Permittee shall complete the "Self-Certification Statement of Compliance" form (attached) and submit it to the Corps. In the event that the completed work deviates in any manner from the authorized work, the Permittee shall describe the deviations between the work authorized by this permit and the work as constructed on the "Self-Certification Statement of Compliance" form. The description of any deviations on the "Self-Certification Statement of Compliance" form does not constitute approval of any deviations by the Corps.
3. Permit Transfer. When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. To validate the transfer of this permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date the enclosed form.
4. Reporting Address. The Permittee shall submit all reports, notifications, documentation, and correspondence required by the general and special conditions of this permit to the following address.
 - a. For standard mail: U.S. Army Corps of Engineers, Regulatory Division, Enforcement Section, P.O. Box 4970, Jacksonville, FL, 32232-0019.
 - b. For electronic mail: SAJ-RD-Enforcement@usace.army.mil (not to exceed 10 MB). The Permittee shall reference this permit number, SAJ-2015-2575 on all submittals.

This SPGP Self-Certification is based solely on the information you provided under this process and applies only to the statutes and rules in effect when your certification was completed. You have recognized that your certification is effective only for the specific project proposed, and provided the project is constructed, operated, and maintained in conformance with all the terms, conditions, and limitations stated in the SPGP Self-Certification Process. This Self-Certification will not apply if any substantial modifications are made to the project. You agree to contact the Department for review of any plans to construct additional structures or to modify the project, as changes may result in a permit being required.

You have acknowledged that this Self-Certification will automatically expire if:

1. construction of the project is not completed by midnight, July 27, 2026, unless construction commenced or a contract to construct was executed before July 27, 2026, in which case the time limit for completing the work authorized by the SPGP ends at midnight, July 27, 2027. However, in no case can construction continue for more than one year beyond the Self-Certification date;
2. site conditions materially change;
3. the terms, conditions, and limitations of the Self-Certification are not followed; or
4. the governing statutes or rules are amended before construction of the project.

Completion of the Self-Certification constitutes your authorization for Department or Corps personnel to enter the property for purposes of inspecting for compliance.

If you have any questions, please contact your local Department District Office. Contact information can be found at: https://floridadep.gov/sites/default/files/SLERC_contacts_web_map_01-2017_0.pdf.

For further information, contact the Corps directly at: <https://www.saj.usace.army.mil/Missions/Regulatory.aspx>. When referring to your project, please use the SPGP Self-Certification file number listed above.

Authority for review - an agreement with the U.S. Army Corps of Engineers entitled Coordination Agreement between the U. S. Army Corps of Engineers (Jacksonville District) and the Florida Department of Environmental Protection State Programmatic General Permit, Section 10 of the Rivers and Harbor Act of 1899 and Section 404 of the Clean Water Act.

ADDITIONAL INFORMATION

This Self-Certification Process does not relieve you from the responsibility of obtaining other permits or authorizations from other agencies (federal, state, Water Management District, or local) that may be required for the project. Failure to obtain all applicable authorizations prior to construction of the project may result in enforcement.

If you have any questions or issues with the attached documents, please contact your local Department District Office:
Northwest District
NWD_ERP_Applications@FloridaDEP.gov

Sincerely,
Florida Department of Environmental Protection.

Attachments:

FDEP Terms and Conditions
SPGP Terms and Conditions
Project Design Criteria



5d2c691a5f6f1e151ff41ed37713
e5f.pdf



3358ea7185647a3dd83e68b2a6
31e.pdf



ProjectDesignCriteria_1_01.pdf





Community Development Planning Division

4100 Indian Bayou Trail | Destin, FL 32541 | Phone: 850-654-1119 | Email: planning@cityofdestin.com

March 21, 2024

Subject: Notification of Harbor & Waterways Board (HWB) Application Submittal for Residential Marine Construction – 510 Vera Cruz Dr.

Dear Property Owner:

This letter is to notify you of a proposed marine construction project at **510 Vera Cruz Dr.** The Marine Construction application requires Harbor & Waterways Board review and recommendation. **The Application will be heard by the Harbor & Waterways Board at 5:30 p.m. at the Destin City Hall Annex, 4100 Indian Bayou Trail on Thursday, April 25, 2024.**

As an owner of property located near this project, *Destin Land Development Code (LDC) Sections 2.17.00 & 11.05.01.S* require a written notice providing you with the following information. This project proposes new marine construction within twenty-five (25) feet of your property line, or your property is located across a waterbody from the proposed construction and the waterbody is less than one hundred (100) feet in width. Therefore, The City is requesting your input on the matter specifically. If you would like to provide any comments you may respond by sending an email to the email address listed below, or by appearing before the Harbor & Waterways Board.

This notice is for informational purposes only and no action is required of you. However, citizens are encouraged to provide a response to the email address provided below.

1. Name of Owner: Vera C LLC
2. Name of Agent: Charles Lobello, of LD&L Marine Contractors
3. Address of Project: 510 Vera Cruz Dr.
4. Parcel ID Number: 00-2S-24-2186-000F-0820
5. Project Description: The application includes the replacement of an existing dock with a new marginal dock along ninety (90) feet of shoreline, which will extend into the canal by no more than six (6) feet. The total square footage over water of the proposed dock is ± 487 square feet.
6. Location of Application Package: To request that a digital copy of the application package be sent to you, please call the City Clerk at (850) 837-4242 or fill out a Public Records Request (PRR) online: <http://www.cityofdestin.com/forms.aspx?fid=121>



If you have any questions or concerns regarding this letter, please do not hesitate to contact us at (850) 654-1119 or via email at planning@cityofdestin.com.

Sincerely,

Tina Deater

Tina Deater, AICP
Planner

CC: Louis Zunguze, MURP, Community Development Director
Cindy Runyon, Administrative Assistant
Planning Division
Project File



CITY OF DESTIN – COMMUNITY DEVELOPMENT



AGENDA ITEM

MEETING DATE: April 25, 2024
BOARD/COMMITTEE: Harbor & Waterways Board
TYPE OF AGENDA ITEM: Action Item
OUTLINE NUMBER: 3.B.

TO: Harbor & Waterways Board

THRU: Louis Zunguze, Interim City Manager
 Kimberly Kopp, City Attorney
 Steve O'Connor, Principal Planner

FROM: Daniel Butler, Senior Planner

DATE: April 18, 2024

SUBJECT: Draft Article 7, Section 7.03 - Marina Siting

I. BACKGROUND: On April 5, 2021, Staff brought the Scope of Work and Budget to completely rewrite the **Land Development Code (LDC)** for approval to the City Council, both of which were approved unanimously. Since that time, Staff has worked with the 3TP Consultants to move forward diligently and systematically with drafting the new LDC. This work to date has involved the following:

- **Review of Comprehensive Plan Policies**
- **Developing Planning Areas and their associated Intent Statements**
- **Review of the LDC text chapter by chapter**

II. DISCUSSION: The LDC Rewrite Project is a complete reorganization and update to the development standards and regulations for the City of Destin. Currently, the **Marina Siting** section is located in *Article 11 – Coastal Management and Conservation*.

The reorganization of the regulations has taken all procedural processes and placed them in *Article 2 – Administration*. Meaning, all marine projects' application review and approval processes by the **Harbor and Waterways Board (HWB)** and **City Council** (if applicable) is proposed to be located there, as discussed with the **HWB** in April 2023. On the other hand, the specific development standards are proposed to be placed in *Section 7.02 – Marina Siting of Article 7 – Resource Conservation & Protection*.

Section 7.02 – Marina Siting

This section focuses on the proposed Marina Siting specific regulations and development

standards. The attached *Section 7.02* lists all the development standards that an applicant must meet when proposing a residential or commercial dock. The language included in the proposed *Marina Siting Section 7.02* is significantly less than what is currently in *11.05.00 – Marina Siting* due to the reorganization of the LDC, i.e:

- a.) relocating the application and reviewing procedures from the current Marina Siting
- b.) regulations to *Article 2 - Administration*, and removing the language that is more appropriately located within the Code of Ordinances.

The intent of the report is to find out from the HWB if there are any elements or regulations the Board considers to be missing or need to be improved for stronger regulations or clarity regarding the development of marine facilities. This can include new requirements to meet state or federal regulations for marine facilities, such as fuel abatement plans, max length, slip densities, etc.

April 25, 2024 Update:

Following the March 28, 2024 HWB meeting, Board Member Richard Hoey sent Staff his mark-ups of the previously provided materials (Attachment 4 of this packet). Below, Staff has detailed each mark-up, while providing discussion as needed:

Mark-Up 1: The language ‘**greater than 1,000 square feet**’ is proposed to be added to the criteria in which a HWB and City Council hearing would be required for a marine construction project. However, the previous direction provided to Staff has been that any project that qualifies for FDEP Self-Certification does not require a HWB hearing. Currently, the Florida Department of Environmental Protection (FDEP) considers any project less than 1,000 square feet Self-Certifiable. Adding this language could potentially conflict with the marine construction category criteria (*LDC Rewrite Section 2.08.02*), shall the FDEP ever alter the Self-Certification requirements.

Mark-Up 2: The language ‘**is connected to the uplands**’ is proposed to be added to the maximum allowable dock length subsection. While this language has been incorporated into the draft Marina Siting section, Staff would like to discuss the board’s intent behind this language.

Mark-Up 3: The language ‘**For marginal docks, ten (10) feet of setback is required without providing prior written notification to the adjoining landowners**’ is proposed to be added to the noticing requirements. The previous direction provided to Staff was any project that requires HWB/CC review would be required to provide certified mail to adjacent property owners and owners on the opposing shoreline for waterbodies less than 100’ in width. Requiring written notification for marginal docks (most, if not all of which, are self-certifiable), would be in conflict with the updated noticing requirements, located in *LDC Rewrite Section 2.02.03*.

Mark-Up 4: The language ‘**copy of the online Permit Request Electronic Submission Receipt**’ is suggested to be added to the Building Permit requirements for a marine construction project. Staff has already relocated any mention of process or building permit requirements to Article 2. More specifically, *LDC Rewrite Section 2.14.03.E.3* requires all applicable state and federal approvals be submitted when applying for a building permit, which is more stringent than the language provided. Therefore, Staff

has not made this revision.

Mark-Up 5: The language ‘**setbacks from property lines**’ is proposed to be added to the site plan requirements for a marine construction permit application, and Staff has added this language.

A. Link to Strategic Goals / Objectives: #2. Enhanced quality of life and safety for families

#3. Economic development and revitalization

#4. Effective, efficient, and aesthetically pleasing infrastructure

#6 A green and sustainable environment.

B. Effect on Budget (EOB): Budget for this work is already approved.

C. Level of Service (LOS): Develop and implement processes for consistent and streamlined application of codes and procedures.

D. Legislative Sponsor:

III. CONCLUSION: Staff is seeking a positive recommendation of the proposed development regulations for marine facilities as presented in **Section 7.02 – Marina Siting** of the draft **Article 7 of the LDC**. Any recommendations the Board provides will be incorporated into a report for the **Local Planning Agency (LPA)** and **City Council's** consideration and review before going back forward with the final draft development.

STAFF RECOMMENDATION: Staff recommends the Harbor & Waterways Board forward a positive recommendation to City Council for the proposed Marina Siting language.

IV. RECOMMENDED MOTION: I move that the Harbor & Waterways Board recommend City Council approve the proposed language of **Section 7.02 – Marina Siting** of the Draft **Article 7 – Resource Conservation & Protection** as presented.

ALTERNATE MOTION: I move that the Harbor & Waterways Board recommend City Council approve the proposed language of **Section 7.02 – Marina Siting** of the Draft **Article 7 – Resource Conservation & Protection** with the following additional regulations ().

Attachments:

1. 1. Marina Siting DRAFT - Article 7 - Section 7.02
2. 2. Ordinance 20-06-LC Marina Siting DRAFT - With comments
3. 3. Article 2 - Administration - Section 2.08
4. 4. Article 2 - Administration - Section 2.02.03
5. 5. Article 2 - Administration - Section 2.14.03
6. 6. Hoey Marina Siting Mark-Ups

DRAFT

City of Destin, FL - Land Development Code

- a. If such lands are not adjacent to the development site, land to be set aside shall be of such quantity and quality to provide a viable habitat as documented in the study required by this Section.
- b. A conservation easement shall be recorded by the applicant for all land, including wetlands, which are to be preserved as a condition or a requirement of a development approval.
- C. Marine Turtle Conservation Zone.
 1. These regulations are intended to accomplish the following:
 - a. Protect marine turtle hatchlings from the adverse effects of artificial lighting.
 - b. Provide overall improvement in nesting habitat degraded by light pollution.
 - c. Increase successful nesting activities and production of hatchlings on the beaches located within the City of Destin.
 2. All new coastal construction seaward of the Coastal Construction Control Line (CCCL) in the Marine Turtle Conservation Zone shall comply with the outdoor lighting standards outlined in the City's Design Manual.
 3. Existing artificial light fixtures that are replaced for any reason shall comply with this Section.
 4. The following activities are prohibited within a Marine Turtle Conservation Zone:
 - a. The use of laser source light or any similar high intensity light for outdoor advertising.
 - b. The operation of searchlights or beacons.
 - c. All other outside light sources shall comply with this Code.

SECTION 7.02 MARINA SITING

SECTION 7.02.01 PURPOSE

- A. This Section establishes and regulates standards by which the City controls and regulates development, construction, and activities within and contiguous to the Harbor and waterways of Destin.

SECTION 7.02.02 GENERAL REGULATIONS

- A. The requirement of a Harbor and Waterways Board (HWB) application, and any applicable public hearings, shall be in accordance with **Section 2.08.03** of this Code.
- B. All marine construction projects shall provide the City with the applicable homeowner's association (if applicable), State, and Federal approvals at the time of building permit submittal.
- C. No dock of 100 feet or longer shall be constructed unless a white navigation/security night-light is installed at the furthest point seaward on said dock.
 1. All navigation/security night-lights shall be illuminated continuously from dusk to dawn every night of the year.
 2. All existing docks 100 feet or longer shall install and operate a navigation/security light pursuant to this subsection.
 - a. Each light shall be installed within 90 days after adoption of this Code.
- D. No utility services shall be installed upon any dock without a permit obtained from the City.
- E. Aerators or circulation devices may be required as determined by the City when it is determined that the water circulation is deemed to be impacted negatively by the proposed facilities.
- F. Development classified as Class 3, per **Section 2.08.03** of this Code, shall be denied if the City Council determines that the proposed development does not meet the criteria outlined in this Section, and further, if the proposed development is averse to the public's interest. Listed below are the criteria for Class 3 Development:

City of Destin, FL - Land Development Code

- 1. Land use compatibility
 - a. The applicant shall demonstrate that the proposed development, including its proposed scale and intensity, traffic-generating characteristics, and off-site impacts are compatible and harmonious with adjacent land uses and will not adversely impact land use activities in the immediate vicinity.
- 2. Proper use of mitigative infrastructure
 - a. The applicant shall demonstrate the proposed development and site plan have been designed to incorporate mitigative techniques needed to prevent adverse impacts to surface waters.
- 3. Hazardous waste
 - a. The proposed development shall not generate hazardous waste or require the use of hazardous materials in its operation without the use of city-approved mitigative techniques designed to prevent any adverse impacts to adjacent surface waters. The development shall include best management principles and practices.

SECTION 7.02.03 COMMERCIAL REGULATIONS

- A. Commercial marine businesses located within the city that rent or operate passenger vessels must provide designated docking facilities, whether privately owned or leased.
- B. All commercial docks shall be designed with at least one (1) sewage pump out station for public use. Such sewage pump out station shall be operable and maintained.
- C. All commercial docks shall be designed with the necessary firefighting facilities, as specified by the City or Destin Fire Control.

SECTION 7.02.04 DIMENSIONAL AND DENSITY LIMITATIONS

- A. Length
 - 1. The following table includes the maximum dock length allowed for any new dock construction or modifications. For the purposes of this subsection, lots may be combined with neighboring lots, however no dock may exceed the limitations outlined in this Section:

Dock Location	Maximum Length Allowed
Any waterfront property not adjacent to Choctawhatchee Bay or zoned South Harbor Mixed Use (SHMU)	The width of the lot at the mean high-water line, or 20% of the width of the adjacent waterway at the place the pier is connected to the uplands, whichever is less.
Waterfront property with uplands zoned South Harbor Mixed Use (SHMU)	1.5 times the width of the lot at the mean high-water line, or 20% of the width of the adjacent waterway at the place the pier is connected to the uplands, whichever is less.
Waterfront property adjacent to Choctawhatchee Bay.	1.5 times the width of the lot at the mean high-water line, or 200 feet, whichever is less.
Waterfront Property with less than 50 feet of waterfront shoreline.	No individual dock is allowed, unless parallel to the shoreline (marginal dock). Marginal docks shall not be wider than six (6) feet. Docks may be allowed if lots are combined with

DRAFT

City of Destin, FL - Land Development Code

	neighboring lots in accordance with Section 7.02.04.A.
--	--

- B. No pier shall extend more than six (6) feet into a canal right-of-way.
- C. Density
 - 1. No dock shall be constructed or modified such that slip density exceeds one (1) slip per eight (8) linear feet of waterfrontage.
 - 2. Docks along canals shall not have more than one (1) slip per 45 linear feet of waterfrontage.
 - 3. Lots that are riparian to a canal shall be entitled to at least two (2) slips on the canal.

SECTION 7.03 ARCHEOLOGICAL AND HISTORICAL RESOURCE PROTECTION

SECTION 7.03.01 PURPOSE

- A. The Florida Department of State, Division of Historic Resources has identified six sites within Destin of historic significance. Such sites have been identified and documented as being significant in American history, architecture, archaeology, engineering, or culture. They reflect the prehistoric occupation and historical development of the nation, state, and local community. Their protection and preservation, therefore, is essential.

SECTION 7.03.02 PRESERVATION OF HISTORICAL STRUCTURES, SITES, AND RESOURCES

- A. Any time a proposed development may impact a historic or archeological site within the City, as deemed by the State, the following subsections of this Section shall apply. It shall be the responsibility of the owner/applicant to coordinate with all federal, state, and local agencies to determine if the proposed development may impact such identified sites within the City.
 - 1. Historic structures shall be exempt from the provisions of the Florida Building Code if any modification, repair, or restoration activity would jeopardize their historical integrity.
 - 2. Land alteration or development of land where such would contribute to the destruction of historic resources shall be prohibited.
 - 3. A project classified as a development of regional impact (DRI) shall contain a description of historical or archaeological sites within the proposed development and suggested mitigation measures for such resources if present. DRIs shall be submitted to the Compliance and Review Section in the Florida Department of State's Bureau of Historic Preservation.
 - 4. For any proposed development activity on a historic site previously identified in this Section, all Development Order applications (if applicable) or Building Permit applications shall include an archeological and historic review summary, provided by the applicant. Such review summary shall be reviewed and approved by the City and Florida Department of State, Division of Historical Resources.
 - 5. If valuable archaeological or historical resources are previously known to exist, development approval shall be conditioned upon performance of an archaeological salvage excavation plan approved by the City and the Florida Department of State, Division of Historical Resources.
 - a. If artifacts of known or suspected historical significance are found on the site, any further land disturbing activities shall cease pending an evaluation by Florida Department of State, Division of Historical Resources.
 - 6. The City shall prepare reports describing any developments that discovered, impacted, or removed any historic or archeological artifacts or sites within the City when such events occur.

ORDINANCE NO. 20-06-LC

AN ORDINANCE OF THE CITY OF DESTIN, FLORIDA AMENDING SECTION 11.05.00 OF THE LAND DEVELOPMENT CODE; AMENDING REGULATIONS FOR MARINA SITING; PROVIDING FOR FINDINGS OF FACT; PROVIDING FOR INCORPORATION INTO THE LAND DEVELOPMENT CODE; PROVIDING FOR CONFLICTING PROVISIONS; PROVIDING FOR SEVERABILITY; AND PROVIDING FOR AN EFFECTIVE DATE.

SECTION 1. AUTHORITY.

The authority for enactment of this Ordinance is Article 1, Section 1.01 (b) of the City Charter, Section 166.021, Florida Statutes and Chapter 163, Part II, Florida Statutes.

SECTION 2. FINDINGS OF FACT.

WHEREAS, the City Council in providing for the health, safety and welfare of its citizens finds that the City should modify the regulations for marina siting; and

WHEREAS, the City Council has determined that this ordinance is consistent with the adopted comprehensive plan and is in the best interests of the City and its citizens; and

WHEREAS, a public hearing has been conducted after due public notice by the Local Planning Agency and its recommendations reported to the City Council; and

WHEREAS, a public hearing has been conducted by the City Council after due public notice.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF DESTIN, FLORIDA, AS FOLLOWS:

NOTE: Language in all sections of this ordinance that is ~~strike-thru~~ is language proposed to be deleted, underline language is language to be added, language that is not in strike-thru or underlined is not to be changed. The symbol * represents sections of the Land Development Code that have been skipped and remain unchanged.**

SECTION 3. AMENDMENT OF LAND DEVELOPMENT CODE SECTION 11.05.00.

Section 11.05.00 of the Land Development Code is hereby amended as follows:

11.05.00. - Marina siting.

Section 7.02.01 11.05.01. *General regulations; prohibitions.* This article establishes and regulates procedures and standards by which the City controls and regulates development, construction and activities within and contiguous to the Harbor and waterways of Destin. The following regulations and prohibitions shall apply to the Harbor and waterways of Destin:

Section 2.08

No person shall construct or add to an existing dock, seawall, bulkhead, mooring or piling, modify an existing submerged land lease, or conditions thereto, or conduct dredge or fill operations in, or contiguous to, the Harbor or waterways of Destin without first obtaining the proper authorization from the appropriate federal, state and City agencies.

B. All new commercial docks, marinas, upland cuts, and proposed single-family marine construction projects of 1000 square feet or more shall require approval from the Harbor and Waterways Board and City Council. The addition or modification of a boat lift or pilings within an existing legal and conforming boat slip shall not require the review of the Harbor and Waterways Board or the City Council. Rather, a copy of the U.S. Army Corps of Engineers permit, DEP permit, and a homeowner's association approval (if applicable) shall accompany a completed application for a building permit, provided no additional slips are created.

Section 2.08 & Section 7.02.02

Move to Code of Ordinances

C. No fish carcasses and debris shall be discharged into the Harbor or waterways of Destin.

Move to Code of Ordinances

D. No person who maintains or operates a dock shall allow or permit the disposal of fish carcasses, litter, waste petroleum products or other pollutants into the Harbor or waterways of Destin. Trash disposal receptacles shall be anchored to each dock to ensure compliance with the provisions of this article.

Move to Code of Ordinances and to Section 2.13.04 - Fuel Abatement Location TBD

E. No fuel or oil shall be willfully or knowingly discharged in the Harbor or waterways of Destin. No dock which sells fuel or oil shall be constructed, operated or maintained in the Harbor or waterways of Destin unless an oil abatement plan, in accordance with Coast Guard guidelines, is available at each dock. The Destin Harbor and Waterways Board shall review and recommend approval or disapproval of each oil abatement plan to the City Council, which shall have approval authority. Each existing dock which sells fuel or oil shall develop and have approved an oil abatement plan acceptable to the City. All new docks which sell fuel or oil shall develop and have an approved oil abatement plan, which is acceptable to the City, prior to receiving a building permit from the City.

Section 7.02.04

F. No new or existing dock shall be constructed or modified such that the length of any pier as completed is greater than 20 percent of the width of the Harbor or waterway at the place where the pier is located, or out 200 feet, whichever is less, except in Choctawhatchee Bay.

Section 7.02.04

G. No piling(s) shall be added to the waterward end of any pier which piling(s) would make the total length of the dock more than 200 feet, or 20 percent of the waterway, whichever is less, except in Choctawhatchee Bay.

Move to Code of Ordinances

H. No vessel shall be moored or docked on the waterward end of any pier of the maximum legal length, as determined pursuant to subsection F above, for more than 72 hours.

Section 7.02.03

I. No dock shall be constructed which permits the commercial docking of boats with on-board toilets unless such the dock is equipped with a sewage pump-out.

Move to Code of Ordinances

J. No dock shall be constructed which permits the docking of a live-aboard unless such vessel has an operable holding tank.

Move to Code of Ordinances

K. No boat shall be moored in the Harbor or waterways of Destin such that constitutes a hazard to navigation.

Removed

L. No dock shall be constructed such that it constitutes a hazard to navigation.

Section 7.02.04

M. Excepting docks connected to uplands zoned SHMU, or those located on Choctawhatchee Bay, no dock shall be longer than the width, at the mean high-water line, of the lot to which the dock is attached.

- Section 7.02.04** 1. For those docks connected to uplands zoned SHMU, or those located on Choctawhatchee Bay, a dock may be constructed to a length of 1.5 times the width of the property at the mean high-water line, provided the length of the dock not exceed the maximum length established by paragraphs F and G above.
2. For the purpose of this subsection, lots may be combined with neighboring lots. However, no dock may exceed the limitations specified in subsection F above.
- Section 7.02.04** N. No dock shall be constructed or modified such that slip density exceeds one slip per eight linear feet of waterfront footage except that, on canals, no lot may have more than one slip per 45 linear feet of waterfront. However, all lots riparian to a canal shall be entitled to at least two slips on the canal.
- Move to Code of Ordinances** O. No boat or vessel, entering into, exiting or operating within the Destin Harbor shall operate at such speed that would create a wake that endangers other boats or vessels, swimmers or other persons within the Destin Harbor, or would contribute to any adjacent land erosion.
- Move to Code of Ordinances** P. No heated or cooled water may be emitted into the Harbor, waterways, or the Harbor canals other than from a boat.
- Section 7.02.04** Q. No pier shall extend more than six feet into a canal right-of-way.
- Move to Code of Ordinances** R. No discharge of water shall contain phosphorous or any other substance likely to cause a violation of the water quality standards specified in Chapter 17-302, Florida Administrative Code.
- Section 2.02.03.** S. No dock or vessel shall be placed within the 25-foot setback of a property line without providing prior written notification to the adjoining landowners. ~~and requesting their response.~~ Any objections received from the adjoining property owners will be considered by the Harbor and Waterways Board in their recommendations to the City Council.
- Section 2.08.03** T. No dock shall unreasonably interfere with the riparian rights of others. Any objections received from the adjoining property owners will be considered by the Harbor and Waterways Board in their recommendations to the City Council.
- Section 7.02.02** U. No dock of 100 feet or longer shall be constructed unless a white navigation/security night-light is installed at the furthest point seaward on said dock and such light is to be illuminated continuously from dusk to dawn every night of the year. All existing docks 100 feet or longer shall install and operate a navigation/security light pursuant to this subsection. Each light shall be installed within 90 days after adoption of this Code.
- Section 7.02.03** V. No commercially operated boat docking facilities shall be permitted or operated unless equipped with firefighting facilities as specified by the City.
- Section 2.08.05** W. No construction shall be allowed which violates any provision of the Standard Building Code, as adopted by the City.
- Section 7.02.02** X. No electrical or water service upon any dock shall be installed unless a permit is obtained from the Planning Department and Building Department for that service.
- Move to Code of Ordinances** Y. No person, while operating a boat within the or waterways of Destin shall allow or permit the disposal of fish carcasses, litter, waste, petroleum products or other pollutants into the Harbor or waterways of Destin from such boats.
- Section 7.02.04** Z. No lot, or multi-contiguous lots, with less than 50 feet of waterfront footage shall be allowed individual docks, unless they are parallel to the shoreline. However, docks may be allowed under the provisions of subsection 11.05.01.M.2. Any objections received from the adjoining property

owners will be considered by the Harbor and Waterways Board in their recommendations to the City Council.

Section 7.02.03 X. Commercial marine businesses located in South Harbor Mixed Use (SHMU) and/or Calhoun Mixed Use (CMU), that operate or rent passenger vessels must provide designated docking facilities, whether privately owned or leased.

Section 2.14.03 11.05.02. *Permitting procedures.* The following procedures shall be adhered to by persons desiring to construct a new dock or add to, alter or remodel, add riprap to, or reconstruct an existing dock:

- A. Persons desiring to construct a new dock or add to, alter, remodel, add riprap to, or reconstruct an existing dock shall apply for and obtain a permit and other authorization from the City prior to construction.
- B. Each applicant shall designate the location of his property on the or waterways of Destin and attach this to the building permit application and must complete the City application form(s).
- C. Application shall be made by filing with the City, the City's permit application form and a copy of the joint application form used by the United States Army Corps of Engineers, and the Florida Department of Environmental Protection, the requirements of which are expressly adopted herein as they existed on the effective date of this Code, and as they are hereafter amended by said respective agencies.
- D. A building permit shall be obtained from the City prior to beginning construction, in accordance with City ordinances.
- E. If the dock is to have more than two slips for commercial use or for use by persons other than the owner, the applicant/owner shall supply a certified copy, from the Okaloosa County Tax Appraiser, of all names, addresses, and property I.D. numbers of the owners of adjacent waterfront property.
- F. ~~City Staff~~ ~~The Harbor and Waterways Board~~ shall review all timely received applications. Applications that meet the requirement of 11.05.01.B will be reviewed at the next regularly scheduled Harbor and Waterways Board meeting. The City Council shall take final action on the application within 30 days of receipt of all state and federal permits and the Board's recommendation.
- G. Marinas having ten or more slips and/or non-residential docking facilities shall require a public hearing before the City Council prior to approval. A marina having ten or more slips and/or non-residential docking facilities shall be denied if the City Council determines that the proposed development does not meet the criteria outlined in this section and, further if the proposed development is adverse to the public's interest.

Criteria for marinas and/or non-residential docking facilities:

- 1. Land use compatibility. The applicant shall demonstrate that the proposed development, including its proposed scale and intensity, traffic-generating characteristics, and off-site impacts are compatible and harmonious with adjacent land use and will not adversely impact land use activities in the immediate vicinity. The proposed development shall meet or exceed the requirements outlined in Article 7.12.00, City's Land Development Code.

Section 7.02.02

2. Proper use of mitigative infrastructure. The applicant shall demonstrate the proposed development and site plan have been designed to incorporate mitigative techniques needed to prevent adverse impacts to surface waters. The proposed development shall meet or exceed the requirements outlined in Article 10.03.00, City's Land Development Code.

Section 7.02.02

3. Hazardous waste. The proposed development shall not generate hazardous waste or require use of hazardous materials in its operation without use of city-approved mitigative techniques designed to prevent any adverse impacts to adjacent surface waters. The development shall include best management principles and practices and must comply with the requirements outlined in Article 11.09.00, City's Land Development Code.

H. Building permits must be obtained within one year of final approval by the City Council or the approval expires and must be resubmitted for reconsideration by both the Harbor and Waterways Board and City Council. The project will be subject to all current regulations of the City.

Section 2.08.05

I. The application must be signed by the title of record owner(s) or any long-term lessee of the abutting upland property.

K. Applications for permission for dock or upland cut construction shall include scaled drawings, ~~prepared and certified by a land surveyor or architect, if requested by the Harbors and Waterways Board at the public hearing,~~ and said plans shall include at a minimum:

1. Boundary Survey or Plat, to include:

i. Location of the mean high-water line

ii. Linear feet of water frontage

Section 2.14.03

2. Accurate measurements for depth and width in several locations in the vicinity of the proposed dock, in addition to:

i. Linear feet and/or total square footage of the proposed project

ii. Boathouse height, if applicable

iii. Identification of environmentally sensitive areas, if applicable (i.e., sea grasses)

3. Accurate location of the applicant's shoreline, and the opposing shoreline with corresponding measurements, if applicable (i.e., Destin Harbor, Joe's Bayou, Indian Bayou)

4. Riparian lines setbacks (i.e., 25' adjacent property lines)

5. Other site-specific information.

Section 2.02.03

K. In water bodies of less than 100 feet in width, owners of property on the opposing shore to the proposed construction shall be provided with written notification of the proposed construction. Any objections received will be provided to the Harbor and Waterways Board and the City Council.

Section 7.02.02

L. Where multiple slips extend from the shore and on multiple-slip docks and for any slip in a canal, aerators or circulation devices shall be required as determined by the City. Such devices shall be required where it is determined that circulation is deemed to be interfered with by the proposed facilities.

M. Shorelines shall require protection from erosion as determined by the City.

N. A net positive environmental benefit (NPEB), equal to 25 percent of the cost of construction shall be made to the City of Destin by the applicant prior to issuance of a building permit for each construction project authorized by this Article, which is located within the Destin Harbor.

O. No permit shall be issued by the City until the applicant obtains all authorizations and permits from federal and state agencies, and until the required NPEB funds are paid, if applicable.

P. All applicants shall apply to the City and must receive preliminary approval for the proposed construction prior to taking any other action. Preliminary approval shall be considered for projects meeting the criteria outlined in 11.05.01.B by the City Council after review and recommendations of the Harbor and Waterways Board. If the application is for joint ownership of a dock, the applicant must obtain written permission from all title of record owners and long-term lessees of the abutting upland property. Upon approval of all appropriate federal and state agencies, final approval from the City Council shall be obtained before a permit is issued.

Q. The following procedures shall apply to transferring permits:

1. The permit is not transferable without the written consent of the City, which consent shall not be unreasonably withheld. The City Manager, or his designee, shall determine transferability upon recommendation of the Board. The decision may be appealed to the City Council.

2. Whenever, during a construction project, a permittee transfers title of record to the abutting upland property or leases that property by long-term lease, a request by the original permittee shall be made to the City to transfer the permit. Forms for this purpose may be obtained from the City. Failure to apply for such a transfer within 30 days from the date the abutting upland property is sold or conveyed by long-term lease will result in an additional fee being charged to the original permittee by the City.

3. At the time of transfer, all construction shall be inspected for compliance with the City's minimum plumbing, electrical and structural requirements and for compliance with the conditions of the existing permit. Fees for said inspections are set forth in Article 18 of this Code. All deficiencies shall be corrected prior to final transfer of the dock.

R. All construction in the Harbor and waterways of Destin shall require a permit from the City.

S. The applicant shall be responsible for personal injury or property damage which arises from construction and use of the project to the extent provided by common law.

T. The City shall retain the right to revoke any permit issued under this Article if the health, safety or welfare of any person or property is in jeopardy, or for any other good cause. If the applicant fails to remove such structure within the time specified upon revocation of the permit, the City shall have the right to immediately remove the same at the cost and expense of the applicant. Good cause shall include, but not be limited to, violation of any permit conditions, or any provision of this Article.

U. Upon completion of a dock, or other structure requiring a construction permit, a final inspection shall be conducted by the City. After the final inspection is complete, a certificate of occupancy will be issued which shall be a permanent permit for such dock or structure.

Section 2.14.03

Remove

Section 2.14.03

Remove

V. The addition or modification of an upland cut shall require the review of the Harbor and Waterways Board and City Council. A copy of the U.S. Army Corps of Engineers permit, DEP permit, and a homeowner's association approval (if applicable) shall be required at the time of permit issuance. The project will be subject to all current regulations of the City, and must meet the minimum side setback requirements for said zoning districts.

Section 2.02.03

W. Written notice shall be provided to adjacent property owners in accordance with Article 2.17.00, Land Development Code.

11.05.03. *Inspection and repairs.* All construction shall be inspected by the City Building Inspector for compliance with applicable building codes. The permittee shall be responsible for the condition and repair of permitted docks and failure to maintain said docks in a safe condition shall constitute grounds for revocation of the permit.

Section 2.14.03

11.05.04. *Permit revocation.* The City reserves full right, power and authority to revoke a permit at any time for good cause. In the event that permittee fails to remove said structure within the time specified upon revocation of the permit, the City shall have the right to immediately remove same at the cost and expense of the permittee. Good cause shall include, but not be limited to, violation of any permit condition, or any provision of this ordinance.

Move to Code of Ordinances

11.05.05. *Liveaboards.* Except in an emergency, no person(s) shall live aboard any boat in Harbor and waterways of Destin for a period exceeding 48 hours without notifying the Code Compliance Department Environmental Officer, or other City official as designated by the City Manager, and receiving a registration permit. In cases of an emergency, such notification shall be given to the Code Compliance Department Environmental Officer within three hours after the immediate emergency situation ceases. Proof that each live-aboard boat has an operable holding tank must be furnished to the Code Compliance Department Environmental Officer at time of notification. All liveaboards must comply with all applicable regulations of the U.S. Coast Guard, Florida Marine Patrol, and City of Destin.

Section 2.14.03

11.05.06. *Joint ownership docks.* Permits may be granted for joint ownership of a dock at the common riparian boundary, subject to the following conditions:

- A. No permits shall be granted to persons other than the title of record owner or long-term lessee of the abutting upland property.
- B. The permit application must be signed by the owner of record or long-term lessee of all abutting upland property having access to the facility.
- C. The permit shall provide that all parties shall have equal rights under the permit and shall be held jointly responsible for compliance with all rules, regulations and conditions set forth in the permit and this ordinance.
- D. The regulations for setbacks apply to joint ownership docks with the exception that docks may be extended over the common property lines.

Section 2.14.03

11.05.07. *Permit for maintenance and cosmetic improvements.* The City Manager, or his designee, may issue permits within the Harbor and waterways of Destin for which maintenance or cosmetic improvement is accomplished to existing facilities. No permit shall be issued for facilities which do not conform to the standard Harbor drawings and the adopted marina siting requirements.

Remove

11.05.08. *Registration of structures.* All existing docks, seawalls and bulkheads located within the Harbor and waterways of Destin shall be registered with the City as follows:

- A. The title of record or long-term lessee of all existing structures at the time of adoption of this ordinance shall register such structure with the City within 90 days after adoption of this ordinance.
- B. Each structure shall be re-registered upon any change in ownership or long-term lessee of the abutting upland property.
- C. The City shall be notified upon the expiration of an existing long-term lease by the title of record owner of the abutting upland property.
- D. The City shall be notified by the title of record owner and long-term lessee of the abutting upland property upon the destruction of 50 percent of the replacement value of the structure. The City shall maintain a registration of all docks, seawalls and bulkheads located within the Destin Harbor.

11.05.09. *Exceptions.* Exceptions from the provisions of Section 11.05.01 are as follows:

Section 2.11.03.D

- A. The Board of Adjustment may approve an exception for docks and pilings to be extended beyond the limits allowed in paragraphs M and N of Section 11.05.01 provided that, in addition to the criteria listed in Section 2.25.03.G, the following criteria is also met:
 - 1. That site-specific environmental conditions would impede placement of slips near or next to the shoreline.
 - 2. That site specific environmental conditions exist that prohibit dredging.
 - 3. That the proposed layout of the dock and pilings does not create a hazard to navigation.
 - 4. That no additional slips are obtained than would otherwise fit into a dock of the maximum size allowed without the exception.
- B. Properties located in the South Harbor Mixed Use zoning district ~~that propose development under Tier 1 or 2 development standards~~ are exempt from the provisions prescribed in paragraphs F, G, M and N of Section 11.05.01 provided they meet all of the following criteria:

Section 2.11.03

- 1. An approved submerged land lease from FDEP is submitted.
- 2. An approval from the Army Corps of Engineers stating that the length of docks and pilings will not create a risk to navigation is submitted.
- 3. This provision only applies to properties with only non-residential uses and mixed uses that contain non-residential uses and short-term residential uses.
- 4. This provision does not apply to developments that contain long-term residential uses.
- 5. A minimum ten percent of the total number of the slips in the project are set aside for fare carrying boats and that another minimum ten percent of the total slips are set aside for transient boats that are open to the public (to promote non-automobile travel). "Project" as used herein shall mean the entire number of slips tied to the uplands and not the total number of slips past 200 feet from the uplands. A minimum of 50 percent of the transient slips must be reserved for non-rental users. The remainder of the total ten percent may be reserved for short-term rental users. A loading and unloading area or slip must be reserved for use by a water taxi. This area or slip must be clearly marked by signage stating that it is reserved for the water taxi.
- 6. For Tier 1 developments, all of the requirements listed in Section 7.09.03.F.7 must be met.

C. Properties located in the Calhoun Mixed Use zoning district ~~that propose development under Tier 1 or 2 development standards~~ are exempt from the provisions prescribed in paragraphs M and N of Section 11.05.01 provided they meet all of the following criteria:

1. An approved submerged land lease from FDEP is submitted.
2. An approval from the Army Corps of Engineers stating that the length of docks and pilings will not create a risk to navigation is submitted.
3. A minimum ten percent of the total number of the slips in the project are set aside for fare carrying boats and that another minimum ten percent of the total slips are set aside for transient boats that are open to the public (to promote non-automobile travel). "Project" as used herein shall mean the entire number of slips tied to the uplands and not the total number of slips past 200 feet from the uplands. A minimum of 50 percent of the transient slips must be reserved for non-rental users. The remainder of the total ten percent may be reserved for short-term rental users. A loading and unloading area or slip must be reserved for use by a water taxi. This area or slip must be clearly marked by signage stating that it is reserved for the water taxi.
4. For Tier 1 developments, all of the requirements listed in Section 7.09.03.F.7 must be met.

Section 2.11.03

Nonconformities 11.05.10. *Reconstruction of existing facilities.* For existing facilities which are damaged by accidents, vandalism, ordinary wear and tear or acts of God, the provisions of paragraphs F, G, M, and N of Section 11.05.01 shall not be applicable to reconstruction so long as the damaged facilities are reconstructed in the same or lesser dimensions and so long as the construction permit is applied for from the City within six months of the sustaining damage.

Move to the new Citation Authority 11.05.11. *Penalties.* Any person found in violation of this article shall be punished by a fine not exceeding \$500.00 or imprisoned for a term not exceeding 60 days or by both such fine and imprisonment. Each day any violation of any provision of this Code continues shall constitute a separate offense.

(Ord. No. 152.40, § 3, 8-6-01; Ord. No. 05-13-LC, § 13, 8-22-05; Ord. No. 07-21-LC, §§ 17, 18, 5-7-07; Ord. No. 07-46-LC, § 3, 12-17-07; Ord. No. 09-01-LC, § 3, 2-17-09)

Editor's note— As of June 1, 1997, this section (§ 11.05.04 excepted) is superseded by Ord. No. 87.1 (codified as City Code Ch. 5, art. III). See appendix B hereto.

SECTION 4. INCORPORATION INTO LAND DEVELOPMENT CODE. This ordinance shall be incorporated into the City of Destin's Land Development Code and any section or paragraph number or letter and any heading may be changed or modified as necessary to effectuate the foregoing.

SECTION 5. CONFLICTING PROVISIONS. Special Acts of the Florida Legislature applicable to the incorporated area of the City of Destin, City Ordinances and City Resolutions, or parts, thereof, in conflict with the provisions of this ordinance are hereby superseded by this ordinance to the extent of such conflict.

SECTION 6. SEVERABILITY. If any section, phase, sentence, or portion of this Ordinance is, for any reason, held invalid or unconstitutional by any court of competent jurisdiction, such portion shall be

deemed a separate, distinct, and independent provision, and such holding shall not affect the validity of the remaining portions thereof.

SECTION 7. EFFECTIVE DATE. This ordinance shall become effective upon its adoption by the City Council and signature by the Mayor.

ADOPTED THIS _____ DAY OF _____, 2020.

By: _____
Gary Jarvis, Mayor

ATTEST:

The form and legal sufficiency of the foregoing has been reviewed and approved by the City Land Use Attorney.

Rey Bailey, City Clerk

Kimberly Kopp, City Land Use Attorney

First Reading: _____
Second Reading: _____

SECTION 2.08 PROCEDURES FOR HARBOR AND WATERWAYS BOARD REVIEW

SECTION 2.08.01 PURPOSE AND INTENT

- A. Marine construction in Destin requires compliance with the Marina Siting in **Section X.XX.XX**, and may require review by the Harbor and Waterways Board (HWB) and or City Council, to preserve and protect one of Destin's premier natural resources, the Destin Harbor and waterways that fall within the City's jurisdiction.
- B. The bodies of water and waterways under the jurisdiction of the City of Destin for the purposes of enforcement of this Code are:
 1. The Destin Harbor
 2. The canals of Holiday Isle
 3. Indian Bayou (If the upland property is within the city limits)
 4. Joe's Bayou
 5. Marler Bayou
 6. Choctawhatchee Bay (If the upland property is within the city limits)

SECTION 2.08.02 MARINE CONSTRUCTION CLASSIFICATIONS

- A. Marine Construction Classification Categories: The following includes the three categories and category criteria:
 1. Category 1: Marine Construction projects shall be considered Category 1 if the following criteria applies:
 - a. Residential docks eligible for self-certification from Florida Department of Environmental Protection (FDEP)
 - b. Boat lifts in existing slips
 - c. Upland slips
 - d. Sea walls that are upland of the declared mean high water line
 - e. Seawall that are waterward of the declared mean high water line
 2. Category 2: Marine Construction projects shall be considered Category 2 if any of the following criteria applies:
 - a. Residential docks not qualifying for FDEP self-certification,
 - b. Residential docks with 3-9 slips,
 - c. Residential docks requiring U.S. Army Corps of Engineers (USACE) approval
 - d. Residential docks proposed within twenty-five feet (25') of any established or implied riparian setback from adjacent properties
 3. Category 3: Marine Construction projects shall be considered Category 3 if any of the following criteria applies:
 - a. Residential docks with 10 or more slips
 - b. Commercial docks
 - c. Oil abatement plans
 - d. Dredge and/or Fill requests
 1. Application Materials require proof of submittal to State and Federal agencies as applicable.
 2. Proposed dredge and fill requires a Marine Construction Permit review and shall have State and Federal approvals at time of Marine Construction permit application submittal.

SECTION 2.08.03 HARBOR AND WATERWAYS BOARD REVIEW

City of Destin, FL - Land Development Code

- A. Category 1 Marine construction applications do not require Harbor and Waterways Board review and are reviewed through a building or marine construction permit application as outlined in [Section 2.08.05](#).
- B. All marine construction applications deemed Category 2 shall require submittal of a Harbor and Waterways Board application.
 - 1. Category 2 and 3 applications are reviewed by the HWB during a public hearing for recommendation to City Council.
 - 2. A complete application must be received a minimum of 30 days prior to the Harbor and Waterways Board meeting.
 - a. Applications will not be scheduled for a meeting until all required materials have been received.
 - 3. All objections received before the will be forwarded to the HWB prior to the public hearing.
 - 4. All objections heard during a public Hearing of the HWB will be forwarded to City Council.
- C. All marine construction applications deemed Category 3 shall require review by the Harbor and Waterways Board for recommendation to City Council for review at a Public Hearing.

SECTION 2.08.04 CITY COUNCIL REVIEW

- A. All marine construction applications deemed Category 2 or 3 shall require review and approval by City Council prior to the issuance of any building permits and the start of construction.
 - 1. Category 2 applications will be reviewed by City Council on the Consent Agenda for regularly scheduled council meetings.
 - 2. Category 3 applications will be reviewed by City Council during a publicly noticed public hearing per [Sections 2.02.03. and 2.15](#).
- B. The City Council shall approve, approve with conditions, or deny the application at the next available regularly scheduled City Council meeting.
- C. All objections received before the public hearing will be forwarded to the City Council prior to the scheduled meeting.

SECTION 2.08.05 MARINE CONSTRUCTION PERMITS

- A. All marine construction permits must be obtained within one (1) year of final approval by the City Council.
 - 1. If construction permits are not obtained within one (1) year, the proposed construction must be reconsidered by both the Harbor and Waterways Board and City Council.
- B. Approval of all applicable State or Federal permits are required at the time of marine construction permit application submittal.
- C. The project will be subject to all current regulations of the city at the time of permit submittal.
- D. Marine Construction permits must be obtained in accordance with [Section 2.14.03](#).

DRAFT

City of Destin, FL - Land Development Code

- A. Applications for development review shall be available through the Community Development Department.
- B. A completed application shall be signed by all owners, or their agent, of the property subject to the proposed development plan.
 - 1. Signatures by other parties will be accepted with notarized proof of authorization by the owners.
 - 2. In the case of corporate ownership, the authorized signature shall be accompanied by a letter showing proof of the authorized individual role or office in the corporation on the corporate letterhead.
- C. All preliminary and final development plans submitted shall conform to the standards outlined in the City of Destin's Development and Subdivision checklists in the Design Manual and submitted electronically.

SECTION 2.02.03 NOTICE

- A. Written notice:
 - 1. Written notice shall be provided to owners of property within 300 feet, or as specifically identified below, for land subject to development related applications that must be considered and approved by the:
 - a. Board of Adjustment,
 - b. Local Planning Agency,
 - c. Harbor and Waterways Board
 - 1. Written notice with Certified mail shall only be provided to:
 - (i) Adjacent property owners
 - (ii) Owners of property on the opposing shore for water bodies less than 100 feet in width
 - d. City Council
 - e. City Manager or designee
 - f. Community Development Director
 - 2. The written notice shall include, at a minimum, the following:
 - a. The name of the owner of the property,
 - b. The name of the authorized agent (if applicable),
 - c. The address of the subject property or tax parcel identification number if an address has not been issued for the property,
 - d. Project description,
 - e. Location map of the subject property, and
 - f. A statement informing the public of the location where the proposed application package can be viewed, unless otherwise provided in Florida Statutes.
 - 3. The failure of any person to receive notice shall not invalidate an action if a good faith effort was made to comply with the notice requirements of this code.
- B. Sign notice posted on property:
 - 1. All applications which require a public hearing, or involve the development of land shall post a sign on the subject property with the following exceptions:
 - a. Development Order Exemption

City of Destin, FL - Land Development Code

- b. Simple Development Order or Deviation
- c. Lot Split
- d. Change of Use
- e. Code Text Amendment
2. The sign shall meet the following requirements:
 - a. The placement on the subject property shall be a maximum of five feet from the adjacent right-of-way, and clearly visible and legible from the right-of-way.
 - b. The minimum size of the sign shall be 24 inches by 36 inches.
 - c. The sign shall clearly indicate the following:
 1. Project Name or Number
 2. Applicant's or Agent's name
 3. Emergency contact phone number of the responsible party for said development site who is available 24 hours a day, seven days a week.
 3. The sign must remain on-site until final approval and shall be removed within five days of approval.
 4. A sign for Commercial, Industrial, or Multi-family developments shall be posted prior to construction until a Certificate of Occupancy or Certificate of Completion is issued and shall be removed within five days of issuance.
 - a. This sign shall meet the requirements listed above in **Section 2.02.03.B.2.**
- C. Notice Procedures for Public Hearings
 1. All public hearings and public meetings shall be held at regularly scheduled times and days, as indicated by the City.
 2. Workshops may be held at other times deemed appropriate.
 - a. Workshops may be held without advertising.
 3. All public hearings require a published advertisement in a newspaper of general paid circulation, interest and readership within the city.
 - a. The advertisement will include;
 1. An identification of who is holding the hearing or meeting.
 2. The date, time, and place.
 3. General subject of the hearing or meeting.
 4. The location where copies of the proposed matter may be reviewed; and
 5. The advertisement will encourage the public to provide written and/or verbal comments on the matters under consideration.
 - b. The first published notice of public hearing or meeting shall appear ten (10) to twenty-one (21) days prior to the date of the hearing or meeting.
 - c. The second published notice of public hearing shall appear five (5) to eight (8) days prior to the hearing or meeting.
 4. Notice of all public hearings shall also be posted on the City of Destin website not less than ten days prior to the hearing or meeting.
 5. All noticed public hearings or meetings will be posted in a conspicuous place in city hall at least seven days prior to the hearing or meeting.
 6. Notice will be given to the appropriate media representatives at least twenty-four (24) hours before all public hearings, public meetings and workshops.

DRAFT

City of Destin, FL - Land Development Code

- a. Workshops may be held without the seven-day notice.
7. A ten (10) day advance notice must be provided to any person, group, agency, or government that registers to receive notices for any public hearing or meeting, or workshop.
 - a. The group, agency, or government receiving the advanced notice is responsible for notifying their members of the particulars involved.
8. The City Council may, by a two-thirds vote, enact an emergency ordinance without complying with the requirements of **Section 2.02.03.C**.
 - a. Emergency enactment procedures for land use plans adopted shall be pursuant to F.S. pt. II, ch. 163.
 - b. Exceptions: No emergency ordinance or resolution shall be enacted that;
 1. Establishes or amends any Future Land Use or Zoning map designation of a parcel or parcels of land.
 2. Changes the permitted, conditional, or prohibited uses within a zoning district.
9. Comprehensive Plan, Land Development Code, or the Official Zoning Map amendments require the following additional notice requirements;
 - a. The notice shall be sent at least 30 days prior to the first public hearing state.
 - b. The substance of the proposed ordinance as it affects that property owner.
 - c. The time and place for one or more public hearings on such ordinance.
 - d. Ordinances involving a parcel or parcels of land less than ten contiguous acres;
 1. The City shall mail a notice to all real property owners whose land will be re-designated by enactment of the ordinance.
 - (i) The latest ad valorem tax records will be utilized for mailing addresses of affected property owners.
 - e. Ordinances involving a parcel or parcels of land greater than ten contiguous acres;
 1. The City Council shall hold two advertised public hearings on the proposed ordinances.
 2. The second public hearing shall be held at least ten days after the first public hearing.

SECTION 2.02.04 STAFF REPORTS

- A. All applications and process regulated by this Article that must be reviewed by a City Committee, Board, or City Council shall have a Staff Report developed for consideration.
- B. The Staff report shall be prepared by Community Development Department Staff.
- C. The Staff Report shall include but is not limited to the following, if applicable;
 1. Characteristics of the site and surrounding area;
 - a. Important natural and manmade features
 - b. The size and accessibility of the site and
 - c. Surrounding land uses
 2. Impact on level of service standards (LOS)
 3. The nature of the proposed development;
 - a. Land use types
 - b. Density or intensity
 - c. Placement of proposed buildings, improvements, and impervious ground cover on the site
 - d. Location, type, and method of maintenance of open space and public use areas, if any

City of Destin, FL - Land Development Code

1. The applicant is issued an order approving any special exception, or variance, from the Board of Adjustment.
- D. A 12-month construction trailer permit may be issued for a lot during active construction of a permanent structure on such lot.
 1. The construction trailer shall be removed within two weeks following the issuance of a Certificate of Occupancy or Certificate of Completion.
 2. The renewal of a 12-month permit shall be at the discretion of the City Manager or their designee.
- E. All construction involving the paving or increasing of impervious coverage of properties requires a building permit subject to approval by the City Engineer or designee.
- F. Marine Construction permits are required for docks, piers, boathouses, bulkheads and seawalls, and dredge and fill operations, which are allowed in all zoning districts and shall follow review procedures in **Section 2.13.04**.
 1. Commercial docks are only allowed on properties that allow for commercial uses. Applications for marine construction shall follow the requirements and procedures outlined in **Section 2.13.04**.
 2. Approvals by other concerned agencies are required for all structures in or adjacent to the water.

SECTION 2.14.03 MARINE CONSTRUCTION PERMITS

- A. Marine construction projects are required to be reviewed in accordance with **Section 2.08** prior to obtaining a marine construction permit, if applicable.
- B. All categories of marine construction are required to obtain a building permit from the city.
- C. Any recommendation for approval or approval by the Harbor and Waterways Board or City Council does not exempt the applicant from the requirement of obtaining a building permit or other approvals or authorizations from the city and/or other state and federal agencies.
- D. All applicable State and Federal approvals or authorizations shall be submitted with all Marine Construction permits.
 1. Any application without these approvals will be incomplete and the City will hold off on reviewing the application until these approvals are submitted.
- E. Permitting Procedures: The following procedures shall be adhered to by any applicant proposing to construct a new dock or alter, remodel, add riprap to, or reconstruct an existing dock in the Harbor or waterways of Destin shall require a permit from the city:
 1. Persons desiring to construct a new dock or alter, remodel, add riprap to, or reconstruct an existing dock shall apply for and obtain a permit and appropriate approvals as identified in **Section 2.08** of this Article, from the city prior to construction.
 2. Each application shall be complete and include all required supplemental items as indicated in the City of Destin's application checklists.
 3. All marine construction permit applications shall contain all required documents, including state and federal approval as necessary or applicable. Permit applications for marine construction shall include, but are not limited to, the following:
 - a. A Boundary Survey or Plat, to include:
 1. Location of the mean high-water line (MHWL)

City of Destin, FL - Land Development Code

2. Linear feet of water frontage
 - b. Accurate measurements for depth and width in several locations in the vicinity of the proposed dock, in addition to:
 1. Linear feet and/or total square footage of the proposed project
 2. Boathouse height, if applicable
 3. Identification of environmentally sensitive areas, if applicable (i.e. sea grasses)
 - c. Accurate location of applicant's shoreline, and the opposing shoreline with corresponding measurements, if applicable (i.e. Destin Harbor, Joe's Bayou, Indian Bayou)
 - d. Riparian setbacks from property lines.
 - e. Other site-specific information.
- F. Proposed projects located within the Destin Harbor and adjacent canals require a Net Positive Environmental Benefit (NPEB) fee, equal to twenty-five (25) percent of the cost of construction paid to the City of Destin by the applicant prior to issuance of a Marine Construction or Building Permit.
1. No permit will be issued until the required NPEB funds are paid, if applicable.
- G. Upon completion of a dock, or other structure requiring a construction permit, a final inspection shall be conducted by the city. After the final inspection is complete, a certificate of completion will be issued for such dock or structure.
- H. Joint ownership docks: Permits may be granted for joint ownership of a dock at the common riparian boundary for two adjacent property owners, subject to the following conditions:
1. No permits shall be granted to persons other than the title of record owners of the abutting upland properties.
 2. The permit application must be signed by the owners of record of all abutting upland properties having access to the facility.
 3. The permit shall provide that all parties shall have equal rights under the permit and shall be held jointly responsible for compliance with all rules, regulations and conditions set forth in the permit and this Code.
 4. The regulations for setbacks apply to joint ownership docks with the exception that docks may be extended over the common property lines or implied riparian line.
- I. The City may issue permits for maintenance or cosmetic improvement to existing and previously approved docks or marine facilities.
1. No permit shall be issued for maintenance or cosmetic improvements to docks or marina facilities which propose to repair or replace more than 50% a non-conforming dock or marina facility.
 2. Any proposed repairs to a non-conforming dock or marine facility that exceed 50% of the square footage of the dock or marine facility shall be brought into conformance.
 3. Any dock that is required to come into conformance shall follow the appropriate approval process identified in **Section 2.08**.
- J. All construction shall be inspected by the City Building Inspector for compliance with applicable building codes.
1. The permittee shall be responsible for the condition and repair of permitted docks and failure to maintain said docks in a safe condition shall constitute grounds for revocation of the permit.

DRAFT

City of Destin, FL - Land Development Code

- K. The city reserves full right, power, and authority to revoke a permit at any time for good cause.
 - 1. In the event that the permittee fails to remove said structure within the time specified upon revocation of the permit, the city shall have the right to immediately remove the structure or structures, at the cost and expense of the permittee.
 - 2. Good cause shall include, but not be limited to, violation of any permit condition, or any provision of this ordinance.
- L. Dredging and filling requires, recommendation by the Harbor and Waterways Board, and approvals by the City Council and concerned agencies are required.

SECTION 2.14.04 INSPECTIONS AND CERTIFICATES OF OCCUPANCY

- A. All permits issued by the Community Development Department through the Building Division shall have inspections completed according to the specific requirements of the permit or as required by the Florida Building Code.
- B. Certificate of Occupancy and Certificate of Completion requirement:
 - 1. Builders and/or developers shall obtain a Certificate of Occupancy or Certificate of Completion as appropriate prior to using any building, structure or infrastructure for business, residential or other uses in which the public health, safety and welfare are involved.
 - 2. A Certificate of Occupancy or Certificate of Completion shall be obtained from the Community Development Department for all buildings and structures for which utility service is required.
 - 3. No building or structure within the city for which utility service is required shall be occupied or used without first obtaining a certificate of occupancy or certificate of completion from the city.

SECTION 2.14.05 SURVEYS FOR CERTAIN WORK

- A. A foundation survey shall be submitted to the Community Development Department after the foundation inspection has been completed and before vertical construction commences for structures involving habitable space, and either a;
 - 1. Poured foundation
 - 2. Pile foundation showing;
 - a. Location of all piles
 - b. Finished Floor Elevation
 - c. Placement of lowest structural member
 - d. Placement of all exterior decks
- B. The foundation survey shall be prepared by or under the direct supervision of a registered land surveyor and certified by same.
- C. All surveys shall utilize NAD83 Florida State Planes, North Zone, US Foot.
- D. Vertical construction shall not commence before approval of the foundation survey by the Community Development Department.
 - 1. Any work undertaken prior to submission and approval of the foundation survey shall be done at the builder's risk and remediated if the foundation survey is found to be out of compliance.
 - 2. A revised site plan may be submitted for review and;

Recommended changes to 11.05.00 Marina siting.

11.05.01B. New and commercial docks, marinas, upland cuts, and proposed single-family marine construction projects of greater than 1000 square feet shall require approval from the Harbor and Waterways Board and City Council.

Note: Exempt new dock construction is limited to 1000 square feet or less.

11.05.01F. No new or existing dock shall be constructed or modified such that the length of any pier as completed is greater than 20 percent of the width of the Harbor or waterway at the place where the pier is connected to the uplands, or out 200 feet, whichever is less, except in Choctawhatchee Bay.

11.05.01S. No Dock or Vessel shall be placed within the 25-foot setback of the property line without providing prior written notification to the adjoining landowners. For Marginal Dock 10 feet of setback is required without providing prior written notification to the adjoining landowners.

11.05.02C. Application shall be made by filing with the City, the City's permit application form and a copy of the online Permit Request Electronic Submission Receipt or a copy of the joint application form used by the United States Army Corps of Engineers, and the Florida Department of Environmental Protection.

Note: The Agenda Item list of changes jumped over 11.05.02J. There is 2 11.05.02K's

11.05.02J 4. Riparian setbacks from property lines.

City of Destin
 Department of Public Works & Emergency Management
 Power Costs for 725 Gulf Shore Drive (Harbor Pump)
 for Harbor & Waterways Board

Month-Year ending	Cost	Comments
Jan-18	\$147.87	
Feb-18	\$851.08	
Mar-18	\$134.09	
Apr-18	\$161.04	
May-18	\$322.13	
Jun-18	\$50.53	
Jul-18	\$750.77	
Aug-18	\$891.18	
Sep-18	\$1,149.82	
Oct-18	\$1,700.75	
Nov-18	\$1,729.54	
Dec-18	\$50.53	
Jan-19	\$50.10	
Feb-19	\$50.10	
Mar-19	\$1,251.65	
Apr-19	\$2,040.52	
May-19	\$2,428.89	
Jun-19	\$2,870.56	
Jul-19	\$2,614.16	
Aug-19	\$2,620.81	
Sep-19	\$2,788.46	
Oct-19	\$2,772.09	
Nov-19	\$342.59	Broken U-joint on drive shaft
Dec-19	\$469.00	
Jan-20	\$194.22	
Feb-20	\$0.00	
Mar-20	\$207.32	
Apr-20	\$26.46	
May-20	\$4,845.65	
Jun-20	\$0.00	
Jul-20	\$382.34	
Aug-20	\$1,513.25	
Sep-20	\$2,471.52	
Oct-20	\$0.00	
Nov-20	\$0.00	
Dec-20	\$0.00	
Jan-21	\$1,981.20	
Feb-21	\$193.82	
Mar-21	\$1,029.55	
Apr-21	\$0.00	Pump down due to mechanical failure
May-21	\$0.00	Pump down due to mechanical failure
Jun-21	\$0.00	Pump down due to mechanical failure, PO 21116 (Breakdown & Inspection)
Jul-21	\$0.00	Pump down due to mechanical failure
Aug-21	\$0.00	Auxiliary Pump rented, pump still down
Sep-21	\$0.00	Pump down due to mechanical failure
Oct-21	\$0.00	PO 21149 (Complete rebuild)
Nov-21	\$0.00	Pump back in Service, run extended hours
Dec-21	\$0.00	Pump back in Service
Jan-22	\$0.00	Sporatic Power Outages, Overloads
Feb-22	\$0.00	
Mar-22	\$0.00	VFD Installed
Apr-22	x	
May-22	x	Power Issues with FPL
Jun-22	x	Billing Issues with FPL
Jul-22	x	Contactore Coil bad

City of Destin

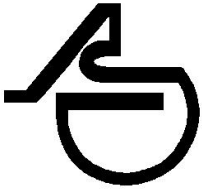
Department of Public Works & Emergency Management

Power Costs for 725 Gulf Shore Drive (Harbor Pump)

for Harbor & Waterways Board

Month-Year ending	Cost	Comments
Aug-22	\$6,465.60	Overload Issues, Third leg burned through
Sep-22	\$901.10	
Oct-22	\$3,387.79	
Nov-22	\$6,838.09	
Dec-22	\$5,562.03	
Jan-23	\$2,109.37	
Feb-23	\$2,297.66	
Mar-23	\$4,694.21	
Apr-23	\$4,137.30	
May-23	\$3,865.65	
Jun-23	\$3,807.50	
Jul-23	\$3,789.67	
Aug-23	\$3,722.27	
Sep-23	\$3,884.44	
Oct-23	\$2,570.34	
Nov-23	\$2,250.96	
Dec-23	\$2,232.13	

Analytical Services Corporation



NELAP Laboratory Certification # E81384

921 Hospital Drive

Niceville, Florida 32578

(850) 678-5313 * FAX (850) 678-5063



Certificate of Analysis

Client Report For: City of Destin
Attention:
Client Address: 4200 Indian Bayou Trail
Destin, FL 32541

Report Date: April 04, 2024
LAB ID: AS24MAR27-011

Comment:

These test results meet all NELAC requirements for those parameters which require accreditation. Any exceptions or deviations from NELAC protocol are noted in this report. Any samples collected by Analytical Services Corporation personnel are done according to the latest revision of SOP-001/01. Any questions concerning this report should be directed to the person signing this report at (850) 678-5313, Analytical Services Corporation, 921 Hospital Drive, Niceville, Florida 32578. The test results in this report relate only to those specific samples listed.

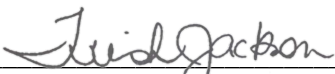
A statement of estimated uncertainty of test results is available on request. Analyses performed in the field are not regulated by the NELAC standards

Results for solid sample are calculated and reported on a dry weight basis unless otherwise noted.

Results contained within this report relate only to the samples referenced in this report.

This report may not be reproduced except in full with written approval from the laboratory.

Destin Harbor

Approved By: 
Trish Jackson, President

Date: 04/04/2024

Analytical Services Corporation
 921 Hospital Drive, Niceville Florida 32578
 (850) 678-5313 F: (850) 678-5063

Client: City of Destin
Lab ID: AS24MAR27-011-001
Recv By: Riley Bell
Recv Dt: 3/27/2024 2:45 PM

Client Sample ID: 1A
Collection Date: 3/27/2024 12:20 PM
Matrix: AQUEOUS-Saline
Sampler: Natalie Sullivan

Analyses

Enterococci in Water by SM 9230 D

SM 9230 D (2013) Enterolert **Batch: A-040124-005** **Run: 1**

	<u>Result</u>	<u>Detection</u>	<u>Reporting</u>	<u>Qual</u>	<u>Unit</u>
		<u>Limit</u>	<u>Limit</u>		
Enterococci	10.0	1	1		#org/100ml
Dilution Factor	1				
Analyzed By	NS				
Analysis Date/Time	03/27/2024 15:50				

Fecal Coliforms

SM 9221 E (2014) **Batch: A-040124-003** **Run: 1**

	<u>Result</u>	<u>Detection</u>	<u>Reporting</u>	<u>Qual</u>	<u>Unit</u>
		<u>Limit</u>	<u>Limit</u>		
Fecal Coliforms	7.8	1.8	1.8		MPN/100 mL
Analyzed By	RB				
Analysis Date/Time	03/27/2024 15:00				

Total Coliforms

SM 9221 B (2014) **Batch: A-040124-004** **Run: 1**

	<u>Result</u>	<u>Detection</u>	<u>Reporting</u>	<u>Qual</u>	<u>Unit</u>
		<u>Limit</u>	<u>Limit</u>		
Total Coliforms	79	1.8	1.8		MPN/100 mL
Dilution Factor	1				
Analyzed By	RB				
Analysis Date/Time	03/27/2024 15:00				

Carb. Biochemical Oxygen Demand (CBOD) 5 Day

SM 5210 B (2016) **Batch: A-040124-006** **Run: 1**

	<u>Result</u>	<u>Detection</u>	<u>Reporting</u>	<u>Qual</u>	<u>Unit</u>
		<u>Limit</u>	<u>Limit</u>		
Carbonaceous Biochemical Oxygen Demand	1	1	1		mg/L
Dilution Factor	1				
Analyzed By	RB				
Analysis Date/Time	03/28/2024 11:00				

Analytical Services Corporation
 921 Hospital Drive, Niceville Florida 32578
 (850) 678-5313 F: (850) 678-5063

Client: City of Destin
Lab ID: AS24MAR27-011-002
Recv By: Riley Bell
Recv Dt: 3/27/2024 2:45 PM

Client Sample ID: 1C
Collection Date: 3/27/2024 12:06 PM
Matrix: AQUEOUS-Saline
Sampler: Natalie Sullivan

Analyses

Enterococci in Water by SM 9230 D

SM 9230 D (2013) Enterolert **Batch: A-040124-005** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Enterococci	20.0	1	1		#org/100ml
Dilution Factor	1				
Analyzed By	NS				
Analysis Date/Time	03/27/2024 15:50				

Fecal Coliforms

SM 9221 E (2014) **Batch: A-040124-003** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Fecal Coliforms	11	1.8	1.8		MPN/100 mL
Analyzed By	RB				
Analysis Date/Time	03/27/2024 15:00				

Total Coliforms

SM 9221 B (2014) **Batch: A-040124-004** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Total Coliforms	170	1.8	1.8		MPN/100 mL
Dilution Factor	1				
Analyzed By	RB				
Analysis Date/Time	03/27/2024 15:00				

Carb. Biochemical Oxygen Demand (CBOD) 5 Day

SM 5210 B (2016) **Batch: A-040124-006** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Carbonaceous Biochemical Oxygen Demand	1	1	1	U	mg/L
Dilution Factor	1				
Analyzed By	RB				
Analysis Date/Time	03/28/2024 11:00				

Analytical Services Corporation
 921 Hospital Drive, Niceville Florida 32578
 (850) 678-5313 F: (850) 678-5063

Client: City of Destin
Lab ID: AS24MAR27-011-003
Recv By: Riley Bell
Recv Dt: 3/27/2024 2:45 PM

Client Sample ID: 2
Collection Date: 3/27/2024 12:00 PM
Matrix: AQUEOUS-Saline
Sampler: Natalie Sullivan

Analyses

Enterococci in Water by SM 9230 D

SM 9230 D (2013) Enterolert **Batch: A-040124-005** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Enterococci	1	1	1	U	#org/100ml
Dilution Factor	1				
Analyzed By	NS				
Analysis Date/Time	03/27/2024 15:50				

Fecal Coliforms

SM 9221 E (2014) **Batch: A-040124-003** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Fecal Coliforms	4.0	1.8	1.8		MPN/100 mL
Analyzed By	RB				
Analysis Date/Time	03/27/2024 15:00				

Total Coliforms

SM 9221 B (2014) **Batch: A-040124-004** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Total Coliforms	94	1.8	1.8		MPN/100 mL
Dilution Factor	1				
Analyzed By	RB				
Analysis Date/Time	03/27/2024 15:00				

Carb. Biochemical Oxygen Demand (CBOD) 5 Day

SM 5210 B (2016) **Batch: A-040124-006** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Carbonaceous Biochemical Oxygen Demand	1	1	1	U	mg/L
Dilution Factor	1				
Analyzed By	RB				
Analysis Date/Time	03/28/2024 11:00				

Analytical Services Corporation
 921 Hospital Drive, Niceville Florida 32578
 (850) 678-5313 F: (850) 678-5063

Client: City of Destin
Lab ID: AS24MAR27-011-004
Recv By: Riley Bell
Recv Dt: 3/27/2024 2:45 PM

Client Sample ID: 12A
Collection Date: 3/27/2024 11:45 AM
Matrix: AQUEOUS-Saline
Sampler: Natalie Sullivan

Analyses

Enterococci in Water by SM 9230 D

SM 9230 D (2013) Enterolert **Batch: A-040124-005** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Enterococci	10.0	1	1		#org/100ml
Dilution Factor	1				
Analyzed By	NS				
Analysis Date/Time	03/27/2024 15:50				

Fecal Coliforms

SM 9221 E (2014) **Batch: A-040124-003** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Fecal Coliforms	9.2	1.8	1.8		MPN/100 mL
Analyzed By	RB				
Analysis Date/Time	03/27/2024 15:00				

Total Coliforms

SM 9221 B (2014) **Batch: A-040124-004** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Total Coliforms	>1600	1.8	1.8		MPN/100 mL
Dilution Factor	1				
Analyzed By	RB				
Analysis Date/Time	03/27/2024 15:00				

Carb. Biochemical Oxygen Demand (CBOD) 5 Day

SM 5210 B (2016) **Batch: A-040124-006** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Carbonaceous Biochemical Oxygen Demand	2	1	1		mg/L
Dilution Factor	1				
Analyzed By	RB				
Analysis Date/Time	03/28/2024 11:00				

Analytical Services Corporation
 921 Hospital Drive, Niceville Florida 32578
 (850) 678-5313 F: (850) 678-5063

Client: City of Destin
Lab ID: AS24MAR27-011-005
Recv By: Riley Bell
Recv Dt: 3/27/2024 2:45 PM

Client Sample ID: 11A
Collection Date: 3/27/2024 11:15 AM
Matrix: AQUEOUS-Saline
Sampler: Natalie Sullivan

Analyses

Enterococci in Water by SM 9230 D

SM 9230 D (2013) Enterolert **Batch: A-040124-005** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Enterococci	1	1	1	U	#org/100ml
Dilution Factor	1				
Analyzed By	NS				
Analysis Date/Time	03/27/2024 15:50				

Fecal Coliforms

SM 9221 E (2014) **Batch: A-040124-003** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Fecal Coliforms	4.5	1.8	1.8		MPN/100 mL
Analyzed By	RB				
Analysis Date/Time	03/27/2024 15:00				

Total Coliforms

SM 9221 B (2014) **Batch: A-040124-004** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Total Coliforms	23	1.8	1.8		MPN/100 mL
Dilution Factor	1				
Analyzed By	RB				
Analysis Date/Time	03/27/2024 15:00				

Carb. Biochemical Oxygen Demand (CBOD) 5 Day

SM 5210 B (2016) **Batch: A-040124-006** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Carbonaceous Biochemical Oxygen Demand	1	1	1	U	mg/L
Dilution Factor	1				
Analyzed By	RB				
Analysis Date/Time	03/28/2024 11:00				

Analytical Services Corporation
 921 Hospital Drive, Niceville Florida 32578
 (850) 678-5313 F: (850) 678-5063

Client: City of Destin
Lab ID: AS24MAR27-011-006
Recv By: Riley Bell
Recv Dt: 3/27/2024 2:45 PM

Client Sample ID: 4B
Collection Date: 3/27/2024 11:27 AM
Matrix: AQUEOUS-Saline
Sampler: Natalie Sullivan

Analyses

Enterococci in Water by SM 9230 D

SM 9230 D (2013) Enterolert **Batch: A-040124-005** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Enterococci	1	1	1	U	#org/100ml
Dilution Factor	1				
Analyzed By	NS				
Analysis Date/Time	03/27/2024 15:50				

Fecal Coliforms

SM 9221 E (2014) **Batch: A-040124-003** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Fecal Coliforms	49	1.8	1.8		MPN/100 mL
Analyzed By	RB				
Analysis Date/Time	03/27/2024 15:00				

Total Coliforms

SM 9221 B (2014) **Batch: A-040124-004** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Total Coliforms	110	1.8	1.8		MPN/100 mL
Dilution Factor	1				
Analyzed By	RB				
Analysis Date/Time	03/27/2024 15:00				

Carb. Biochemical Oxygen Demand (CBOD) 5 Day

SM 5210 B (2016) **Batch: A-040124-006** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Carbonaceous Biochemical Oxygen Demand	2	1	1		mg/L
Dilution Factor	1				
Analyzed By	RB				
Analysis Date/Time	03/28/2024 11:00				

Analytical Services Corporation
 921 Hospital Drive, Niceville Florida 32578
 (850) 678-5313 F: (850) 678-5063

Client: City of Destin
Lab ID: AS24MAR27-011-007
Recv By: Riley Bell
Recv Dt: 3/27/2024 2:45 PM

Client Sample ID: 6B
Collection Date: 3/27/2024 10:55 AM
Matrix: AQUEOUS-Saline
Sampler: Natalie Sullivan

Analyses

Enterococci in Water by SM 9230 D

SM 9230 D (2013) Enterolert **Batch: A-040124-005** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Enterococci	10.0	1	1		#org/100ml
Dilution Factor	1				
Analyzed By	NS				
Analysis Date/Time	03/27/2024 15:50				

Fecal Coliforms

SM 9221 E (2014) **Batch: A-040124-003** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Fecal Coliforms	22	1.8	1.8		MPN/100 mL
Analyzed By	RB				
Analysis Date/Time	03/27/2024 15:00				

Total Coliforms

SM 9221 B (2014) **Batch: A-040124-004** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Total Coliforms	79	1.8	1.8		MPN/100 mL
Dilution Factor	1				
Analyzed By	RB				
Analysis Date/Time	03/27/2024 15:00				

Carb. Biochemical Oxygen Demand (CBOD) 5 Day

SM 5210 B (2016) **Batch: A-040124-006** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Carbonaceous Biochemical Oxygen Demand	1	1	1		mg/L
Dilution Factor	1				
Analyzed By	RB				
Analysis Date/Time	03/28/2024 11:00				

Analytical Services Corporation
 921 Hospital Drive, Niceville Florida 32578
 (850) 678-5313 F: (850) 678-5063

Client: City of Destin
Lab ID: AS24MAR27-011-008
Recv By: Riley Bell
Recv Dt: 3/27/2024 2:45 PM

Client Sample ID: 7
Collection Date: 3/27/2024 10:40 AM
Matrix: AQUEOUS-Saline
Sampler: Natalie Sullivan

Analyses

Enterococci in Water by SM 9230 D

SM 9230 D (2013) Enterolert **Batch: A-040124-005** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Enterococci	1	1	1	U	#org/100ml
Dilution Factor	1				
Analyzed By	NS				
Analysis Date/Time	03/27/2024 15:50				

Fecal Coliforms

SM 9221 E (2014) **Batch: A-040124-003** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Fecal Coliforms	33	1.8	1.8		MPN/100 mL
Analyzed By	RB				
Analysis Date/Time	03/27/2024 15:00				

Total Coliforms

SM 9221 B (2014) **Batch: A-040124-004** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Total Coliforms	130	1.8	1.8		MPN/100 mL
Dilution Factor	1				
Analyzed By	RB				
Analysis Date/Time	03/27/2024 15:00				

Carb. Biochemical Oxygen Demand (CBOD) 5 Day

SM 5210 B (2016) **Batch: A-040124-006** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Carbonaceous Biochemical Oxygen Demand	1	1	1	U	mg/L
Dilution Factor	1				
Analyzed By	RB				
Analysis Date/Time	03/28/2024 11:00				

Data Qualifier	Qualifier Definition
B	Results based upon colony counts outside the acceptable range. Applies to microbiological tests and specifically to membrane filter colony counts. It is to be used if the colony count is generated from a plate in which the total number of colonies is outside the method indicated ideal range.
D	Measurement was made in the field.
E	Extra samples were taken at composite stations
G	Analyte was detected in both the sample and the associated field, equipment, or trip blank.
H	Value based on field kit determination; results may not be accurate.
I	The reported value is between the laboratory MDL and the laboratory PQL.
J	This qualifier is used when a QC sample does not meet the requirements in the method (ie: duplicate, spike, or control). There will always be a comment explained in the details. Laboratory does not feel that the sample results are compromised.
K	Off-scale low. Actual value is known to be less than the value given.
L	Off-scale high. Actual value is known to be greater than value given.
M	Chemical Analysis: Presence of material is verified but not quantified; the actual value is less than the value given. The reported value shall be the laboratory practical quantitation limit. Species: Male sex
N	Presumptive evidence of presence of material
O	Sampled, but analysis was lost during sample preparation or sample analysis
Q	Sample is either received or analyzed after the holding time. An explanation will be included if the laboratory is at fault.
R	Significant rain in the past 48 hours.
S	Secchi disk visible to bottom of waterbody. The value reported is the depth of the waterbody at the location of the Secchi disk measurement.
T	Value reported is less than the laboratory method detection limit. The value is reported for informational purposes, only and shall not be used in statistical analysis.
U	Compound was analyzed for but not detected.
V	Analyte was detected in both the sample and the associated method blank.
Y	Laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
Z	Too many colonies were present for accurate counting (TNTC), the numeric value shall be estimated from the highest dilution factor (smallest sample volume) used for the test and reported with the qualifier code.
?	Data is rejected and should not be used. Some or all of the quality control data for the analyte were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
*	Not analyzed due to interference.
!	Data deviates from historically established concentration ranges.
•	Not analyzed due to high chlorine content or matrix interference

For more detailed information see: Florida Administrative Code rule chapter 62-160 Table 62-160.700.
 History–New 1-1-91, Amended 2-4-93, 2-27-94, Formerly 17-160.700, Amended 3-24-96, 4-9-02, 6-8-04, 12-3-08, 7-30-14.

Analytical Services Corporation
 921 Hospital Drive * Niceville, FL 32578
 (850) 678-5313 * Fax (850) 678-5063
 nicevillelab@hotmail.com

AS 24MAR 27-01 RECORD
CHAIN OF CUSTODY RECORD

27490

Company Name/Client Name <i>City of Destin</i>		Project Name <i>Destin Harbor</i>		Sample #	Container #	Date Required
Company Address		Lab Dispose <input type="checkbox"/> Return to Client <input type="checkbox"/> Other <input type="checkbox"/>		Check if Rush	Special Instructions	
City, State, Zip		Analysis Requested		P.O.#	Preservative Codes	
Send Report To: <i>Tracy Williams</i>		Preservatives		Field Data		A - Ammonium Chloride C - Cool Only H - Hydrochloric Acid M - Monochloroacetic Acid N - Nitric Acid OH - Sodium Hydroxide S - Sulfuric Acid T - Sodium Thiosulfate Z - Zinc Acetate
Copy To DEP / DOH (circle one)		Containers		Free CL2	Total CL2	
Yes <input type="checkbox"/> No <input type="checkbox"/>		Analysis Requested		Temp		Container Codes
Phone # <i>8508424834</i>	Fax #	Analysis Requested		Free CL2		V - VOA vial G - glass P - plastic M - micro bag/cup O - Other
Fax Results Yes <input type="checkbox"/> No <input type="checkbox"/>		Analysis Requested		Total CL2		
Email Address Yes <input type="checkbox"/> No <input type="checkbox"/>		Analysis Requested		pH		
Sampling		Analysis Requested		pH		
Date	Time	Type	Matrix	Sample Site (Be Specific)		
<i>3/27</i>	<i>1720</i>	<i>X</i>	<i>X</i>	<i>1A</i>		
<i>1230</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>1C</i>		
<i>1200</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>2</i>		
<i>1145</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>12A</i>		
<i>1115</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>11A</i>		
<i>1127</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>4B</i>		
<i>1055</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>6B</i>		
<i>1040</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>7</i>		
Sampled By & Title <i>MUSTIE SULLIVAN</i>		Date / Time <i>3/27</i>				
Received By		Date / Time				
Received By		Date / Time				
Received By		Date / Time				
Received In Lab By <i>Riley Bell</i>		Date / Time <i>3/27 1445</i>				
Remarks		Temperature at °C Received In Lab: <i>6.0° Corrected</i>				
Shipped Via <i>UPS BUS HAND FED EX OTHER</i>		Date / Time				
Relinquished By <i>MUSTIE SULLIVAN</i>		Date / Time <i>3/27/24</i>				
Relinquished By		Date / Time				
Relinquished By		Date / Time				

18 April 2023 Author: T. Jackson

Distribution: Original - LAB Yellow - CLIENT

County	Waterbody	Station #	Date (month/day/year)	Month	Day	Year
Okaloosa	CBA Destin-1	1	1/8/2023	1	8	2023
Okaloosa	CBA Destin-2	1	1/8/2023	1	8	2023
Okaloosa	CBA Destin-3	1	1/8/2023	1	8	2023
Okaloosa	CBA Destin-4	1	1/8/2023	1	8	2023
Okaloosa	CBA Ft. Walton Beach-9	1	1/24/2023	1	24	2023
Okaloosa	CBA Ft. Walton Beach-10	1	1/24/2023	1	24	2023
Okaloosa	CBA Ft. Walton Beach-9	1	3/1/2023	3	1	2023
Okaloosa	CBA Ft. Walton Beach-10	1	3/1/2023	3	1	2023
Okaloosa	CBA Destin-1	1	3/9/2023	3	9	2023
Okaloosa	CBA Destin-2	1	3/9/2023	3	9	2023
Okaloosa	CBA Destin-3	1	3/9/2023	3	9	2023
Okaloosa	CBA Destin-4	1	3/9/2023	3	9	2023
Okaloosa	CBA Ft. Walton Beach-9	1	3/21/2023	3	21	2023
Okaloosa	CBA Ft. Walton Beach-10	1	3/21/2023	3	21	2023
Okaloosa	CBA Destin-1	1	3/30/2023	3	30	2023
Okaloosa	CBA Destin-2	1	3/30/2023	3	30	2023
Okaloosa	CBA Destin-3	1	3/30/2023	3	30	2023
Okaloosa	CBA Destin-4	1	3/30/2023	3	30	2023
Okaloosa	CBA Ft. Walton Beach-9	1	4/24/2023	4	24	2023
Okaloosa	CBA Ft. Walton Beach-10	1	4/24/2023	4	24	2023
Okaloosa	CBA Destin-1	1	4/28/2023	4	28	2023
Okaloosa	CBA Destin-2	1	4/28/2023	4	28	2023
Okaloosa	CBA Destin-3	1	4/28/2023	4	28	2023
Okaloosa	CBA Destin-4	1	4/28/2023	4	28	2023
Okaloosa	CBA Ft. Walton Beach-9	1	5/22/2023	5	22	2023
Okaloosa	CBA Ft. Walton Beach-10	1	5/22/2023	5	22	2023
Okaloosa	CBA Destin-1	1	5/25/2023	5	25	2023
Okaloosa	CBA Destin-2	1	5/25/2023	5	25	2023
Okaloosa	CBA Destin-3	1	5/25/2023	5	25	2023
Okaloosa	CBA Destin-4	1	5/25/2023	5	25	2023
Okaloosa	CBA Ft. Walton Beach-9	1	6/27/2023	6	27	2023
Okaloosa	CBA Ft. Walton Beach-10	1	6/27/2023	6	27	2023
Okaloosa	CBA Destin-1	1	6/28/2023	6	28	2023
Okaloosa	CBA Destin-2	1	6/28/2023	6	28	2023
Okaloosa	CBA Destin-3	1	6/28/2023	6	28	2023
Okaloosa	CBA Destin-4	1	6/28/2023	6	28	2023
Okaloosa	CBA Ft. Walton Beach-9	1	7/25/2023	7	25	2023
Okaloosa	CBA Ft. Walton Beach-10	1	7/25/2023	7	25	2023
Okaloosa	CBA Destin-1	1	7/27/2023	7	27	2023
Okaloosa	CBA Destin-2	1	7/27/2023	7	27	2023
Okaloosa	CBA Destin-3	1	7/27/2023	7	27	2023
Okaloosa	CBA Destin-4	1	7/27/2023	7	27	2023
Okaloosa	CBA Ft. Walton Beach-9	1	8/22/2023	8	22	2023
Okaloosa	CBA Ft. Walton Beach-10	1	8/22/2023	8	22	2023

Okaloosa	CBA Destin-1	1	8/23/2023	8	23	2023
Okaloosa	CBA Destin-2	1	8/23/2023	8	23	2023
Okaloosa	CBA Destin-3	1	8/23/2023	8	23	2023
Okaloosa	CBA Destin-4	1	8/23/2023	8	23	2023
Okaloosa	CBA Destin-1	1	9/22/2023	9	22	2023
Okaloosa	CBA Destin-2	1	9/22/2023	9	22	2023
Okaloosa	CBA Destin-3	1	9/22/2023	9	22	2023
Okaloosa	CBA Destin-4	1	9/22/2023	9	22	2023
Okaloosa	CBA Ft. Walton Beach-9	1	9/26/2023	9	26	2023
Okaloosa	CBA Ft. Walton Beach-10	1	9/26/2023	9	26	2023
Okaloosa	CBA Destin-1	1	10/17/2023	10	17	2023
Okaloosa	CBA Destin-2	1	10/17/2023	10	17	2023
Okaloosa	CBA Destin-3	1	10/17/2023	10	17	2023
Okaloosa	CBA Destin-4	1	10/17/2023	10	17	2023
Okaloosa	CBA Ft. Walton Beach-10	1	10/17/2023	10	17	2023
Okaloosa	CBA Ft. Walton Beach-9	1	10/17/2023	10	17	2023
Okaloosa	CBA Ft. Walton Beach-10	1	11/27/2023	11	27	2023
Okaloosa	CBA Ft. Walton Beach-9	1	11/27/2023	11	27	2023
Okaloosa	CBA Destin-1	1	11/29/2023	11	29	2023
Okaloosa	CBA Destin-2	1	11/29/2023	11	29	2023
Okaloosa	CBA Destin-3	1	11/29/2023	11	29	2023
Okaloosa	CBA Destin-4	1	11/29/2023	11	29	2023
Okaloosa	CBA Destin-1	1	12/13/2023	12	13	2023
Okaloosa	CBA Destin-2	1	12/13/2023	12	13	2023
Okaloosa	CBA Destin-3	1	12/13/2023	12	13	2023
Okaloosa	CBA Destin-4	1	12/13/2023	12	13	2023
Okaloosa	CBA Ft. Walton Beach-10	1	12/19/2023	12	19	2023
Okaloosa	CBA Ft. Walton Beach-9	1	12/19/2023	12	19	2023
Okaloosa	CBA Ft. Walton Beach-9	1	1/22/2024	1	22	2024
Okaloosa	CBA Ft. Walton Beach-10	1	1/22/2024	1	22	2024
Okaloosa	CBA Destin-1	1	1/24/2024	1	24	2024
Okaloosa	CBA Destin-2	1	1/24/2024	1	24	2024
Okaloosa	CBA Destin-3	1	1/24/2024	1	24	2024
Okaloosa	CBA Destin-4	1	1/24/2024	1	24	2024
Okaloosa	CBA Ft. Walton Beach-9	1	2/19/2024	2	1	2024
Okaloosa	CBA Ft. Walton Beach-10	1	2/19/2024	2	1	2024
Okaloosa	CBA Destin-1	1	2/22/2024	2	22	2024
Okaloosa	CBA Destin-2	1	2/22/2024	2	22	2024
Okaloosa	CBA Destin-3	1	2/22/2024	2	22	2024
Okaloosa	CBA Destin-4	1	2/22/2024	2	22	2024
Okaloosa	CBA Ft. Walton Beach-9	1	3/25/2024	3	25	2024
Okaloosa	CBA Ft. Walton Beach-10	1	3/25/2024	3	25	2024
Okaloosa	CBA Destin-1	1	3/27/2024	3	27	2024
Okaloosa	CBA Destin-2	1	3/27/2024	3	27	2024
Okaloosa	CBA Destin-3	1	3/27/2024	3	27	2024
Okaloosa	CBA Destin-4	1	3/27/2024	3	27	2024

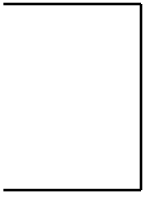
time (24hr)	temperature (surface) (°F)	temperature (bottom) (°F)	Dissolved oxygen % (surface) (% sat)	Dissolved oxygen % (bottom) (% sat)	dissolved oxygen (surface) (mg/L)	dissolved oxygen (bottom) (mg/L)	specific conductivity mS/cm (surface)
11:12	60.8	62.7	102.6	118.7	8.65	9.75	40.46
12:00	62.5	63.1	91.7	97.4	7.67	7.96	36.609
12:17	63.3	63.2	98.5	98.5	8.07	8.01	38.8
11:41	60.5	60.3	101.6	101.4	8.68	8.68	38.154
12:20	57.9	65	105.4	110.8	9.19	8.51	40.6
12:00	59	65	91.3	84.5	7.88	6.48	41.2
10:00	73.2	68.9	105	91.6	7.92	6.8	24
10:20	74	69.1	107.5	95	8.06	7.01	36
10:17	70.6	73.8	93.2	95.1	7.23	7.02	35.388
11:06	72	73	92	92.8	7.13	7.09	32.011
11:18	73.4	73.3	90.8	90	6.92	6.8	33.318
11:41	70.9	70.9	97.4	98.4	7.66	7.43	31.404
9:30	56.5	60.86	101.4	95.8	9.01	7.09	38.4
9:55	57.1	70.3	103.9	107.1	9.15	7.8	38.7
13:05	67.8	67.7	107.9	107.3	8.77	8.72	31.77
14:34	69.5	67	101.9	100.4	8.11	8.31	29.57
15:04	69.6	69.7	105.7	114.2	8.43	9.14	30.295
14:07	68.7	68.6	103.9	104.5	8.41	8.47	29.9
9:15	70.2	73.8	100.7	77.2	7.86	5.37	34.425
9:35	69	74.3	101.5	93.6	7.95	6.48	36.74
12:12	74.6	74	103.8	105.5	7.8	7.99	33.352
11:54	73.9	73.6	97.6	94.1	7.4	7.12	32.952
11:43	73.2	73.2	96.1	92.1	7.36	7	31.844
11:27	72.7	73.1	97.6	98.4	7.51	7.72	32.661
9:27	80.1	80	103.5	84.6	7.04	5.53	40.962
9:39	82.2	80.6	102.5	80.2	6.9	5.39	42.175
11:55	77.5	77.5	108.4	119.6	7.85	9.22	36.157
11:34	78.5	78.4	95	92.2	6.85	6.61	33.442
11:15	80.2	79.2	93.6	89.1	6.61	6.35	34.895
10:56	76.9	76.9	98.1	97.8	7.14	7.12	35.868
9:05	84.7	81.2	96.8	93.1	6.28	6.07	46.103
9:24	85.2	84.2	107.8	89.7	6.96	5.7	46.174
13:55	89.1	87.6	113.1	108.9	7.24	7.01	38.333
12:17	87.9	87.3	102.2	91.5	6.72	6	35.623
12:03	89	88.2	102.3	102.9	6.62	6.66	37.245
11:45	87.8	86.7	107.4	106.3	7.29	7.23	27.283
8:50	84.8	81.7	104.7	70	7.15	4.35	32.24
9:00	84.7	82	100.7	46	6.87	2.95	32.827
12:06	88	87.6	101.5	106.1	6.97	7.21	22.625
11:40	86.8	86.9	102	71.9	7.2	5.01	18.834
11:34	86.6	87.9	100.6	90.3	7.07	6.15	20.395
11:11	87.2	86.7	103.5	103.7	7.35	7.42	15.792
9:00	87	88.7	100.6	94.7	6.61	5.73	36.92
10:15	87.4	87.8	110.4	49.1	6.98	2.94	46.877

11:35	88.6	88.6	99.1	101.2	6.63	6.77	28.987
11:16	89.2	88.9	98.6	96.2	6.61	6.47	26.807
11:05	88.9	88.3	92.1	59	6.2	3.95	26.953
10:53	87.7	87.5	99.5	99.8	6.78	6.81	26.127
12:23	82.3	82.3	97.9	105.2	6.62	7.13	41.256
12:03	81.5	80.4	87.8	92.8	6.04	6.43	38.733
11:49	82.8	80.5	94.4	86.7	6.38	5.96	40.181
11:29	81.1	81.1	99.9	99.8	6.81	6.81	42.12
9:23	82.04	85.1	103.6	83.4	6.87	5.25	46.643
9:40	82.56	85.46	110.3	94.5	7.29	5.92	47.549
11:27	67.1	67.5	102.8	107	7.92	8.21	45.852
11:47	67.3	66.7	89.1	93	6.91	7.17	43.624
11:59	64.6	67.1	95.9	95.1	7.75	7.3	40.983
12:21	70.3	70	104.3	107.5	7.75	7.99	46.345
9:40	69.3	69.8	105.1	106.3	7.8	7.9	47.952
9:22	68.6	69.1	103.6	104.1	7.75	7.75	48.475
10:02	62.7	63.1	104.1	101	8.26	8.02	48.361
9:48	63.3	67.4	105.2	96	8.27	7.18	49.118
11:30	58.3	58.3	115.1	108	9.71	9.4	46.365
11:05	55.3	55.3	90.17	101.4	8.2	8.95	37.87
10:44	57.5	58.3	94.2	103.6	8.25	8.77	41.67
10:16	57.2	55.9	102.1	104.7	8.85	9.15	4.359
12:11	54.8	55.4	108.2	108.3	9.89	9.72	37.953
12:33	54.7	53.4	95.5	100.7	9.24	9.49	24.141
12:47	54.6	56.2	101.4	97.3	9.55	8.83	31.701
13:11	54.2		108.3		9.89		39.881
11:00	54.2	54.3	104.5	102.6	9.33	9.15	43.98
10:49	54.5	58.5	106.7	103.5	9.48	8.7	44.409
10:59	45.6	45.9	105.7	106.3	10.75	10.71	39.57
11:15	48.4	57.3	107.8	111.2	10.47	9.31	41.874
11:13	52.1		105.6		10.05		36.501
10:47	53.6	49.3	104.4	103.4	10.02	10.23	30.001
10:35	51.4	49.8	103.2	102.4	10.03	10.04	33.732
10:20	53.9	53.9	104.1	105.5	9.68	9.81	36.415
11:00	53.2	61	103.6	96.5	10.11	7.7	26.777
11:10	52.4	61	102.9	84.5	10.1	7.01	27.72
11:25	60.4	60.4	122.5	116.3	10.8	10.39	28.372
11:00	59.6	59.3	122	117.5	11.01	10.71	26.373
10:49	58.6	58	118.1	114.6	10.73	10.53	27.235
10:36	57.5	57.5	112.7	109.6	10.51	10.26	25.874
9:32	64.1	64.5	102	96.9	8.6	7.63	31.549
9:44	64.4	65.5	101.2	89.3	8.46	6.38	32.228
11:17	64.6	64.6	100.7	100.4	8.63	8.61	26.405
10:39	65	64.5	90	91.3	7.73	7.84	23.335
10:27	64.7	64.3	90.8	90.2	7.86	7.75	23.631
10:10	64.2	64.2	101.9	101.5	8.76	8.73	26.797

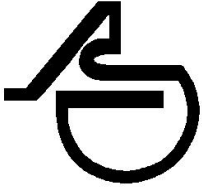
specific conductivity mS/cm (bottom)	salinity (surface) (ppt)	salinity (bottom) (ppt)	pH (surface)	pH (bottom)	Turbidity (Surface) (NTU)	Turbidity (Bottom) (NTU)	depth (surface) (ft)	depth (bottom) (ft)
43.56	25.91	28.15	8.36	8.5	0.6	0.36	1.5	4.48
42.773	23.22	27.57	7.99	8.33	1.05	5.5	1.53	5.472
41.9	24.73	27.02	8.25	8.25	0.7	2.1	1.5	5
38.161	24.28	24.29	8.42	8.42	0.43	0.46	1.56	4.057
51.8	25.95	34.09	8.16	8.15	-0.4	0.3	1.6	10.7
51.4	26.39	33.84	8.11	8.02	-0.4	7.1	1.35	14.3
32.9	23.98	32.86	8.04	8	0.6	0.3	1.5	10.5
50.4	22.76	33.1	8.05	8.03	-0.5	0.2	1.5	13.5
39.9	22.34	25.44	8.1	8.11	0	0.77	1.52	6.988
32.627	19.99	20.41	7.86	7.98	1.02	1.33	1.65	5.015
34.031	20.87	21.39	8.02	8.05	1.19	1.15	1.65	5.439
31.402	19.58	19.58	8.18	8.18	0.49	0.54	1.49	4.461
48.9	24.4	32.98	8.13	8.17	-0.3	0.7	2.15	10.5
50.1	24.61	32.9	8.17	8.24	-0.2	5.3	1.5	11.5
31.78	18.87	19.85	8.05	8.09	0.27	0.37	1.4	4.019
29.897	18.39	18.51	7.73	7.97	1.14	4.11	1.42	3.647
31.37	18.82	19.55	8.02	8.1	0.81	1.41	1.52	5.531
29.94	8.09	18.59	8.09	8.1	0.52	0.51	1.5	3.536
53.12	21.66	35.04	8.06	7.96	-0.08	0.16	1.5	10.5
58.361	23.24	35.14	8.08	7.98	-0.08	0.65	1.5	9.5
33.646	20.9	21.11	8.03	8.05	-0.08	0.09	1.54	5.358
34.192	20.63	21.49	7.94	7.94	0.52	3.28	1.57	4.908
34.444	19.82	21.66	7.91	7.94	0.44	0.68	1.43	5.388
32.289	20.42	20.4	7.96	7.94	0.09	-0.02	1.49	3.554
51.274	26.14	33.61	7.98	7.87	-0.06	0.11	1.641	9.211
52.61	27	34.61	7.89	7.89	0.85	10.08	1.8	12.6
36.734	22.81	23.25	7.93	8.13	0.83	0.88	1.5	3.5
35.184	20.91	22.13	7.54	6.66	1.31	7.74	1.5	5.5
35.503	21.91	22.34	7.61	7.64	1.5	10.53	1.5	6.5
35.88	22.62	22.63	7.7	7.72	0.77	0.8	1.5	4
51.749	29.78	33.86	7.96	8.04	0.19	0.55	1.5	10.5
49.2	29.81	32.46	8.02	7.97	0.16	8.28	1.5	11.5
42.45	24.17	27.12	8.16	8.1	0.43	2.04	1.44	5.567
38.563	22.29	24.37	8	7.85	0.42	6.19	1.492	6.415
39.005	23.5	24.67	7.91	7.93	1.1	6.35	1.45	5.05
28.975	16.65	17.8	8.05	8.05	0.21	0.05	1.565	4.009
50.95	20	33.34	8.13	7.96	0.36	4	1.5	9
51.23	20.43	33.57	8.09	7.82	0.38	1.65	1.5	9.25
27.285	13.54	16.67	8.12	8.16	0.39	0.46	1.473	4.538
23.34	11.09	14.01	8.15	7.55	0.9	15.35	1.492	5.425
23.999	12.07	14.5	8.13	7.76	0.81	2.5	1.538	6.022
16.4278	9.15	9.47	8.16	8.18	0.5	0.68	1.532	3.814
54.966	23.28	36.23	8.07	8.08	0.15	0.8	1.5	8.25
54.418	30.3	35.84	8.13	7.88	1.14	2.83	1.5	8.5

29.435	17.77	18.06	8.12	8.16	0.82	0.94	1.583	3.531
26.913	16.28	16.36	8.05	8.02	2.26	3.22	1.566	4.004
27.42	16.39	16.7	7.97	7.7	3.89	13.44	1.514	5.391
26.333	15.85	15.99	8.1	8.1	1.1	1.36	1.595	3.601
41.335	26.35	26.4	7.82	7.89	0.44	0.55	1.451	5.036
39.361	24.57	25.04	7.46	7.61	1.78	3.7	1.5	4.511
41.363	25.57	26.46	7.72	7.73	1.83	1.91	1.582	4.897
42.113	26.98	26.97	7.77	7.77	1.22	1.14	1.443	4.006
51.38	30.12	33.64	8.16	8.12	-0.22	0.85	1.5	10
51.2	30.87	33.46	8.18	8.15	-0.15	1.4	1.5	9
46.05	29.79	29.91	8.15	8.19	0.14	0.19	1.53	4.482
46.743	28.17	30.45	7.82	8.19	1.44	6.03	1.54	4.152
46.402	26.36	30.25	7.82	8.13	2.1	2.41	1.59	4.182
46.396	30.13	30.17	8.17	8.17	-0.29	-0.26	1.42	2.983
48.585	31.28	31.76	7.81	7.88	0.36	1.29	1.5	6.5
48.881	31.7	31.99	7.85	7.88	0.5	0.86	1.5	8.5
48.526	31.62	31.74	7.8	7.82	0.96	-0.2	1.5	6
51.492	32.16	33.86	7.71	7.69	-0.26	-0.2	1.5	8.75
46.58	30.12	30.25	7.93	7.89	-0.2	-0.15	2.15	3.85
44.762	24.1	28.85	7.3	7.76	1.17	0.66	1.63	4.041
45.966	26.77	29.83	7.6	7.8	0.78	0.69	1.97	5.011
44.008	27.94	28.28	7.74	7.77	-0.12	0.06	1.57	3.157
40.063	24.08	25.57	7.76	7.78	0.57	0.09	1.59	4.461
34.206	14.55	21.5	7.27	7.66	1.94	0.55	1.45	3.754
35.257	19.96	22.22	7.57	7.6	0.6	0.47	1.55	4.437
	25.43		7.86		1.89		1.53	
44.24	28.33	28.55	8.2	8.17	-0.07	-0.09	1.5	4.5
47.1	28.64	30.65	8.23	8.21	0.01	0.09	1.5	7.5
40.543	24.98	25.26	8.14	8.15	0.75	0.66	1.5	7
49.65	26.69	32.46	8.18	8.17	0.66	0.5	1.5	5.75
	23.03		8.1		0.73		1.501	
35.919	18.56	22.59	7.8	8.07	1.76	2.74	1.511	4.905
36.366	21.08	22.83	7.99	8.06	1.08	1.03	1.481	4.496
36.408	23	23	8.07	8.07	0.75	0.75	1.55	3.005
48.37	16.42	31.4	8.18	8.09	1.24	0.6	1.5	6.5
41.3	17.07	27.22	8.21	8	0.9	0.67	1.5	6.1
29.881	17.54	18.54	8.26	8.29	0.98	1.51	1.507	3.695
27.606	16.38	17.02	8.23	8.3	1.28	8.22	1.541	3.936
28.744	16.76	17.79	8.23	8.27	1.89	1.83	1.501	4.563
25.875	15.85	15.85	8.21	8.21	1.45	1.35	1.508	3.078
46.873	19.75	30.57	8.04	8.08	0.33	0.13	1.5	8.8
50.241	20.51	33.11	8	7.96	0.09	4.56	1.5	10.5
26.408	16.21	16.21	7.92	7.93	0.93	11.9	1.641	6.688
26.6	14.16	16.34	7.43	7.69	1.04	1.74	1.477	5.199
26.766	14.31	16.46	7.42	7.65	1.06	1.8	1.544	5.063
26.799	16.48	16.48	7.94	7.92	0.85	0.85	1.567	3.584

--	--	--	--	--	--	--	--	--



Analytical Services Corporation



NELAP Laboratory Certification # E81384

921 Hospital Drive

Niceville, Florida 32578

(850) 678-5313 * FAX (850) 678-5063



Certificate of Analysis

Client Report For: City of Destin
Attention:
Client Address: 4200 Indian Bayou Trail
Destin, FL 32541

Report Date: August 07, 2023
LAB ID: AS23AUG02-013

Comment:

These test results meet all NELAC requirements for those parameters which require accreditation. Any exceptions or deviations from NELAC protocol are noted in this report. Any samples collected by Analytical Services Corporation personnel are done according to the latest revision of SOP-001/01. Any questions concerning this report should be directed to the person signing this report at (850) 678-5313, Analytical Services Corporation, 921 Hospital Drive, Niceville, Florida 32578. The test results in this report relate only to those specific samples listed.

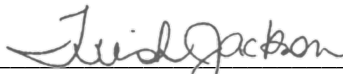
A statement of estimated uncertainty of test results is available on request. Analyses performed in the field are not regulated by the NELAC standards

Results for solid sample are calculated and reported on a dry weight basis unless otherwise noted.

Results contained within this report relate only to the samples referenced in this report.

This report may not be reproduced except in full with written approval from the laboratory.

Destin Harbor

Approved By: 
Trish Jackson, President

Date: 08/07/2023

Analytical Services Corporation
 921 Hospital Drive, Niceville Florida 32578
 (850) 678-5313 F: (850) 678-5063

Client: City of Destin
Lab ID: AS23AUG02-013-001
Recv By: Noah Cahill
Recv Dt: 8/2/2023 1:13 PM

Client Sample ID: 1A
Collection Date: 8/2/2023 11:39 AM
Matrix: AQUEOUS-Saline
Sampler: Riley Bell

Analyses

Fecal Coliforms

SM 9221 E

Batch: A-080723-002

Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Fecal Coliforms	6.8	1.8	1.8		MPN/100 mL
Analyzed By	NC				
Analysis Date/Time	08/02/2023 13:35				

Total Coliforms

SM 9221 B

Batch: A-080723-001

Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Total Coliforms	170	1.8	1.8		MPN/100 mL
Dilution Factor	1				
Analyzed By	NC				
Analysis Date/Time	08/02/2023 13:35				

Analytical Services Corporation
 921 Hospital Drive, Niceville Florida 32578
 (850) 678-5313 F: (850) 678-5063

Client: City of Destin
Lab ID: AS23AUG02-013-002
Recv By: Noah Cahill
Recv Dt: 8/2/2023 1:13 PM

Client Sample ID: 1C
Collection Date: 8/2/2023 11:26 AM
Matrix: AQUEOUS-Saline
Sampler: Riley Bell

Analyses

Fecal Coliforms

SM 9221 E

Batch: A-080723-002 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Fecal Coliforms	7..8	1.8	1.8		MPN/100 mL
Analyzed By	NC				
Analysis Date/Time	08/02/2023 13:35				

Total Coliforms

SM 9221 B

Batch: A-080723-001 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Total Coliforms	21	1.8	1.8		MPN/100 mL
Dilution Factor	1				
Analyzed By	NC				
Analysis Date/Time	08/02/2023 13:35				

Analytical Services Corporation
 921 Hospital Drive, Niceville Florida 32578
 (850) 678-5313 F: (850) 678-5063

Client: City of Destin
Lab ID: AS23AUG02-013-003
Recv By: Noah Cahill
Recv Dt: 8/2/2023 1:13 PM

Client Sample ID: 2
Collection Date: 8/2/2023 11:18 AM
Matrix: AQUEOUS-Saline
Sampler: Riley Bell

Analyses

Fecal Coliforms

SM 9221 E

Batch: A-080723-002 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Fecal Coliforms	110	1.8	1.8		MPN/100 mL
Analyzed By	NC				
Analysis Date/Time	08/02/2023 13:35				

Total Coliforms

SM 9221 B

Batch: A-080723-001 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Total Coliforms	920	1.8	1.8		MPN/100 mL
Dilution Factor	1				
Analyzed By	NC				
Analysis Date/Time	08/02/2023 13:35				

Analytical Services Corporation
 921 Hospital Drive, Niceville Florida 32578
 (850) 678-5313 F: (850) 678-5063

Client: City of Destin
Lab ID: AS23AUG02-013-004
Recv By: Noah Cahill
Recv Dt: 8/2/2023 1:13 PM

Client Sample ID: 12A
Collection Date: 8/2/2023 11:00 AM
Matrix: AQUEOUS-Saline
Sampler: Riley Bell

Analyses

Fecal Coliforms

SM 9221 E

Batch: A-080723-002 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Fecal Coliforms	7.8	1.8	1.8		MPN/100 mL
Analyzed By	NC				
Analysis Date/Time	08/02/2023 13:35				

Total Coliforms

SM 9221 B

Batch: A-080723-001 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Total Coliforms	49	1.8	1.8		MPN/100 mL
Dilution Factor	1				
Analyzed By	NC				
Analysis Date/Time	08/02/2023 13:35				

Analytical Services Corporation
 921 Hospital Drive, Niceville Florida 32578
 (850) 678-5313 F: (850) 678-5063

Client: City of Destin
Lab ID: AS23AUG02-013-005
Recv By: Noah Cahill
Recv Dt: 8/2/2023 1:13 PM

Client Sample ID: 11A
Collection Date: 8/2/2023 10:17 AM
Matrix: AQUEOUS-Saline
Sampler: Riley Bell

Analyses

Fecal Coliforms

SM 9221 E

Batch: A-080723-002 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Fecal Coliforms	1.8	1.8	1.8	U	MPN/100 mL
Analyzed By	NC				
Analysis Date/Time	08/02/2023 13:35				

Total Coliforms

SM 9221 B

Batch: A-080723-001 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Total Coliforms	46	1.8	1.8		MPN/100 mL
Dilution Factor	1				
Analyzed By	NC				
Analysis Date/Time	08/02/2023 13:35				

Analytical Services Corporation
 921 Hospital Drive, Niceville Florida 32578
 (850) 678-5313 F: (850) 678-5063

Client: City of Destin
Lab ID: AS23AUG02-013-006
Recv By: Noah Cahill
Recv Dt: 8/2/2023 1:13 PM

Client Sample ID: 4B
Collection Date: 8/2/2023 10:43 AM
Matrix: AQUEOUS-Saline
Sampler: Riley Bell

Analyses

Fecal Coliforms

SM 9221 E

Batch: A-080723-002 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Fecal Coliforms	7.8	1.8	1.8		MPN/100 mL
Analyzed By	NC				
Analysis Date/Time	08/02/2023 13:35				

Total Coliforms

SM 9221 B

Batch: A-080723-001 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Total Coliforms	79	1.8	1.8		MPN/100 mL
Dilution Factor	1				
Analyzed By	NC				
Analysis Date/Time	08/02/2023 13:35				

Analytical Services Corporation
 921 Hospital Drive, Niceville Florida 32578
 (850) 678-5313 F: (850) 678-5063

Client: City of Destin
Lab ID: AS23AUG02-013-007
Recv By: Noah Cahill
Recv Dt: 8/2/2023 1:13 PM

Client Sample ID: 6B
Collection Date: 8/2/2023 9:55 AM
Matrix: AQUEOUS-Saline
Sampler: Riley Bell

Analyses

Fecal Coliforms

SM 9221 E

Batch: A-080723-002 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Fecal Coliforms	13	1.8	1.8		MPN/100 mL
Analyzed By	NC				
Analysis Date/Time	08/02/2023 13:35				

Total Coliforms

SM 9221 B

Batch: A-080723-001 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Total Coliforms	70	1.8	1.8		MPN/100 mL
Dilution Factor	1				
Analyzed By	NC				
Analysis Date/Time	08/02/2023 13:35				

Analytical Services Corporation
 921 Hospital Drive, Niceville Florida 32578
 (850) 678-5313 F: (850) 678-5063

Client: City of Destin
Lab ID: AS23AUG02-013-008
Recv By: Noah Cahill
Recv Dt: 8/2/2023 1:13 PM

Client Sample ID: 7
Collection Date: 8/2/2023 9:39 AM
Matrix: AQUEOUS-Saline
Sampler: Riley Bell

Analyses

Fecal Coliforms

SM 9221 E

Batch: A-080723-002 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Fecal Coliforms	920	1.8	1.8		MPN/100 mL
Analyzed By	NC				
Analysis Date/Time	08/02/2023 13:35				

Total Coliforms

SM 9221 B

Batch: A-080723-001 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Total Coliforms	1600	1.8	1.8		MPN/100 mL
Dilution Factor	1				
Analyzed By	NC				
Analysis Date/Time	08/02/2023 13:35				

Analytical Services Corporation
 921 Hospital Drive, Niceville Florida 32578
 (850) 678-5313 F: (850) 678-5063

Client: City of Destin
Lab ID: AS23AUG02-013-009
Recv By: Noah Cahill
Recv Dt: 8/2/2023 1:13 PM

Client Sample ID: 11A-Duplicate
Collection Date: 8/2/2023 10:17 AM
Matrix: AQUEOUS-Saline
Sampler: Riley Bell

Analyses

Fecal Coliforms

SM 9221 E

Batch: A-080723-002 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Fecal Coliforms	2.0	1.8	1.8		MPN/100 mL
Analyzed By	NC				
Analysis Date/Time	08/02/2023 13:35				

Total Coliforms

SM 9221 B

Batch: A-080723-001 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Total Coliforms	170	1.8	1.8		MPN/100 mL
Dilution Factor	1				
Analyzed By	NC				
Analysis Date/Time	08/02/2023 13:35				

Data Qualifier	Qualifier Definition
B	Results based upon colony counts outside the acceptable range. Applies to microbiological tests and specifically to membrane filter colony counts. It is to be used if the colony count is generated from a plate in which the total number of colonies is outside the method indicated ideal range.
D	Measurement was made in the field.
E	Extra samples were taken at composite stations
G	Analyte was detected in both the sample and the associated field, equipment, or trip blank.
H	Value based on field kit determination; results may not be accurate.
I	The reported value is between the laboratory MDL and the laboratory PQL.
J	This qualifier is used when a QC sample does not meet the requirements in the method (ie: duplicate, spike, or control). There will always be a comment explained in the details. Laboratory does not feel that the sample results are compromised.
K	Off-scale low. Actual value is known to be less than the value given.
L	Off-scale high. Actual value is known to be greater than value given.
M	Chemical Analysis: Presence of material is verified but not quantified; the actual value is less than the value given. The reported value shall be the laboratory practical quantitation limit. Species: Male sex
N	Presumptive evidence of presence of material
O	Sampled, but analysis was lost during sample preparation or sample analysis
Q	Sample is either received or analyzed after the holding time. An explanation will be included if the laboratory is at fault.
R	Significant rain in the past 48 hours.
S	Secchi disk visible to bottom of waterbody. The value reported is the depth of the waterbody at the location of the Secchi disk measurement.
T	Value reported is less than the laboratory method detection limit. The value is reported for informational purposes, only and shall not be used in statistical analysis.
U	Compound was analyzed for but not detected.
V	Analyte was detected in both the sample and the associated method blank.
Y	Laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
Z	Too many colonies were present for accurate counting (TNTC), the numeric value shall be estimated from the highest dilution factor (smallest sample volume) used for the test and reported with the qualifier code.
?	Data is rejected and should not be used. Some or all of the quality control data for the analyte were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
*	Not analyzed due to interference.
!	Data deviates from historically established concentration ranges.
•	Not analyzed due to high chlorine content or matrix interference

For more detailed information see: Florida Administrative Code rule chapter 62-160 Table 62-160.700.
 History–New 1-1-91, Amended 2-4-93, 2-27-94, Formerly 17-160.700, Amended 3-24-96, 4-9-02, 6-8-04, 12-3-08, 7-30-14.

Analytical Services Corporation
 921 Hospital Drive * Niceville, FL 32578
 (850) 678-5313 * Fax (850) 678-5063
 nicevillelab@hotmail.com

AS23AUG162013
CHAIN OF CUSTODY RECORD

26197

Company Name/ Client Name: City of Destin
 Company Address: _____
 City, State, Zip: _____

Project Name: Destin Harbor
 Lab Dispose
 Return to Client
 Other

Sample # _____
 Container # _____
 Check if Rush _____
 Date Required _____
 Special Instructions _____

Send Report To: Troy Williams
 Copy To DEP / DOH (circle one) _____
 Email Address Yes No
 Yes No

Analysis Requested
 Preservatives _____
 Containers _____

P.O.# _____
 Field Data
 Preservative Codes
 A - Ammonium Chloride
 C - Cool Only
 H - Hydrochloric Acid
 M - Monochloroacetic Acid
 N - Nitric Acid
 OH - Sodium Hydroxide
 S - Sulfuric Acid
 T - Sodium Thiosulfate
 Z - Zinc Acetate

Phone # 8508421834 Fax # _____
 Fax Results Yes _____ No _____

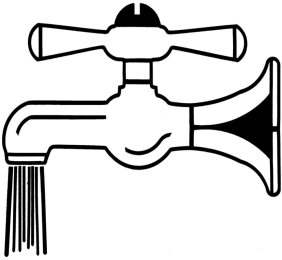
Analysis Requested
 CBOD
 Chlorophyll A
 TP
 NH3
 Cl-
 TKN, NO2, NO3
 Total/Specul men

Temp _____ Free Temp _____ Total Temp _____
 Cl2 _____ Cl2 _____ pH _____

Date	Time	Type	Matrix	Sample Site (Be Specific)	#	CONTAINERS	Analysis Requested	Analysis Requested	Temp	Free Cl2	Total Cl2	pH	Container Codes	Remarks	Requisitioned By	Date / Time	Requisitioned By	Date / Time	Shipped Via	Temperature at °C Received in Lab:	Corrected			
															Requisitioned By	Date / Time	Requisitioned By	Date / Time	UPS	BUS	FED EX	OTHER	Measured	
8/21/23	1139	X	X	IA	5										Rivins Bell	8/21/23	Rivins Bell	1313						
	1126	X	X	1C	5																			
	1118	X	X	2	5																			
	1100	X	X	12A	5																			
	1014	X	X	11A (Duo)	5																			
	043	X	X	4R	5																			
	0935	X	X	6B	5																			
	0939	X	X	7	5																			

Distribution: Original - LAB Yellow - CLIENT

The Water Spigot, Inc.



NELAC Laboratory Certification #E81105
5806 East Hwy. 22 * Panama City, Florida 32404
(850) 871-1900 * Fax (850)871-9303
trishj-waterspigot@comcast.net



Certificate of Analysis

Client Report For: City of Destin
Attention:
Client Address: 4200 Indian Bayou Trail
Destin, FL 32541

Report Date: September 06, 2023
LAB ID: WS23AUG02-031

Comment:

These test results meet all NELAC requirements for those parameters which require accreditation. Any exceptions or deviations from NELAC protocol are noted in this report. Any samples collected by Water Spigot personnel are done according to the latest revision of SOP-001/01. Any questions concerning this report should be directed to the person signing this report at (850) 871-1900, The Water Spigot, Inc., 5806 East Highway 22, Panama City, FL 32404. The test results in this report relate only to those specific samples listed.

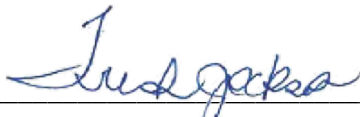
A statement of estimated uncertainty of test results is available on request. Analyses performed in the field are not regulated by the NELAC standards.

Results for solid sample are calculated and reported on a dry weight basis unless otherwise noted.

Results contained within this report relate only to the samples referenced in this report.

This report may not be reproduced except in full with written approval from the laboratory.

Approved By: _____


Trish Jackson, President

Date: 09-06-2023

The Water Spigot
 5806 East Hwy. 22 Panama City, FL. 32404
 (850) 871-1900 F: (850) 871-9303
 NELAC Laboratory Certification: E81105

Client: City of Destin
Lab ID: WS23AUG02-031-001
Recv By: Ellen Peel
Recv Dt: 8/2/2023 15:32

Client Sample ID: Destin Harbor #1A
Collection Date: 8/2/2023 11:39
Matrix: AQUEOUS-Other
Sampler: RB

Analyses

Ammonia as N

EPA 350.1

Batch: W-080823-011 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Ammonia as N	0.05	0.05	0.25	U	mg/L as N
Dilution Factor	1				
Analyzed By	ZD				
Analysis Date/Time	08/15/2023 13:46				

Carb. Biochemical Oxygen Demand (CBOD) 5 Day

SM 5210 B

Batch: W-080823-005 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Carbonaceous Biochemical Oxygen Demand	3	1	1		mg/L
Dilution Factor	1				
Prep By	LW				
Prep Date/Time	08/03/2023 11:00				
Analyzed By	LW				
Analysis Date/Time	08/03/2023 11:00				

Chloride

SM 4500-CL-E (2011)

Batch: W-081023-023 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Chloride	11000	1000	4000		mg/L
Dilution Factor	1000				
Prep By	cec				
Prep Date/Time	08/11/2023 15:00				
Analyzed By	cec				
Analysis Date/Time	08/11/2023 15:00				

Chlorophyll-A

SM 10200 H

Batch: W-082123-009 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Chlorophyll-a	4.8	0.1	0.2		ug/L
Dilution Factor	1				
Prep By	MLJ				
Prep Date/Time	08/03/2023 12:40				
Analyzed By	MLJ				

The Water Spigot
 5806 East Hwy. 22 Panama City, FL. 32404
 (850) 871-1900 F: (850) 871-9303
 NELAC Laboratory Certification: E81105

Client: City of Destin **Client Sample ID:** Destin Harbor #1A
Lab ID: WS23AUG02-031-001 **Collection Date:** 8/2/2023 11:39
Recv By: Ellen Peel **Matrix:** AQUEOUS-Other
Recv Dt: 8/2/2023 15:32 **Sampler:** RB

Analyses

Chlorophyll-A **SM 10200 H** **Batch: W-082123-009 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Analysis Date/Time	08/22/2023 10:09				

Nitrate and Nitrite **EPA 353.2** **Batch: W-081623-015 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Nitrate/Nitrite as N	0.1	0.1	0.5	U	mg/L
Dilution Factor	1				
Prep By	cec				
Prep Date/Time	08/17/2023 11:50				
Analyzed By	cec				
Analysis Date/Time	08/17/2023 11:50				

Phosphorus, Total **EPA 365.1** **Batch: W-080723-023 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Phosphorus-total	0.003	0.003	0.015	U	mg/L
Dilution Factor	1				
Prep By	LB				
Prep Date/Time	08/08/2023 08:30				
Analyzed By	LB				
Analysis Date/Time	08/08/2023 15:07				

Total Kjeldahl Nitrogen **EPA 351.2** **Batch: W-080823-010 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Total Kjeldahl Nitrogen	0.257	0.25	1	I	mg/L as N
Dilution Factor	1				
Prep By	ZD				
Prep Date/Time	08/09/2023 12:08				
Analyzed By	ZD				
Analysis Date/Time	08/15/2023 11:17				

The Water Spigot
 5806 East Hwy. 22 Panama City, FL. 32404
 (850) 871-1900 F: (850) 871-9303
 NELAC Laboratory Certification: E81105

Client: City of Destin **Client Sample ID:** Destin Harbor #1C
Lab ID: WS23AUG02-031-002 **Collection Date:** 8/2/2023 11:26
Recv By: Ellen Peel **Matrix:** AQUEOUS-Other
Recv Dt: 8/2/2023 15:32 **Sampler:** RB

Analyses

Ammonia as N **EPA 350.1** **Batch: W-080823-011** **Run: 1**

	<u>Result</u>	<u>Detection</u> <u>Limit</u>	<u>Reporting</u> <u>Limit</u>	<u>Qual</u>	<u>Unit</u>
Ammonia as N	0.050	0.05	0.25	I	mg/L as N
Dilution Factor	1				
Analyzed By	ZD				
Analysis Date/Time	08/15/2023 13:46				

Carb. Biochemical Oxygen Demand (CBOD) 5 Day **SM 5210 B** **Batch: W-080823-005** **Run: 1**

	<u>Result</u>	<u>Detection</u> <u>Limit</u>	<u>Reporting</u> <u>Limit</u>	<u>Qual</u>	<u>Unit</u>
Carbonaceous Biochemical Oxygen Demand	1.7	1	1		mg/L
Dilution Factor	1				
Prep By	LW				
Prep Date/Time	08/03/2023 11:00				
Analyzed By	LW				
Analysis Date/Time	08/03/2023 11:00				

Chloride **SM 4500-CL-E (2011)** **Batch: W-081023-023** **Run: 1**

	<u>Result</u>	<u>Detection</u> <u>Limit</u>	<u>Reporting</u> <u>Limit</u>	<u>Qual</u>	<u>Unit</u>
Chloride	11000	1000	4000		mg/L
Dilution Factor	1000				
Prep By	cec				
Prep Date/Time	08/11/2023 15:00				
Analyzed By	cec				
Analysis Date/Time	08/11/2023 15:00				

Chlorophyll-A **SM 10200 H** **Batch: W-082123-009** **Run: 1**

	<u>Result</u>	<u>Detection</u> <u>Limit</u>	<u>Reporting</u> <u>Limit</u>	<u>Qual</u>	<u>Unit</u>
Chlorophyll-a	4.3	0.1	0.2		ug/L
Dilution Factor	1				
Prep By	MLJ				
Prep Date/Time	08/03/2023 12:40				
Analyzed By	MLJ				
Analysis Date/Time	08/22/2023 10:09				

The Water Spigot
 5806 East Hwy. 22 Panama City, FL. 32404
 (850) 871-1900 F: (850) 871-9303
 NELAC Laboratory Certification: E81105

Client: City of Destin **Client Sample ID:** Destin Harbor #1C
Lab ID: WS23AUG02-031-002 **Collection Date:** 8/2/2023 11:26
Recv By: Ellen Peel **Matrix:** AQUEOUS-Other
Recv Dt: 8/2/2023 15:32 **Sampler:** RB

Analyses

Nitrate and Nitrite

EPA 353.2

Batch: W-081623-015 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Nitrate/Nitrite as N	0.1	0.1	0.5	U	mg/L
Dilution Factor	1				
Prep By	cec				
Prep Date/Time	08/17/2023 11:50				
Analyzed By	cec				
Analysis Date/Time	08/17/2023 11:50				

Phosphorus, Total

EPA 365.1

Batch: W-080723-023 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Phosphorus-total	0.014	0.003	0.015	I	mg/L
Dilution Factor	1				
Prep By	LB				
Prep Date/Time	08/08/2023 08:30				
Analyzed By	LB				
Analysis Date/Time	08/08/2023 15:07				

Total Kjeldahl Nitrogen

EPA 351.2

Batch: W-080823-010 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Total Kjeldahl Nitrogen	1.81	0.25	1		mg/L as N
Dilution Factor	1				
Prep By	ZD				
Prep Date/Time	08/09/2023 12:08				
Analyzed By	ZD				
Analysis Date/Time	08/15/2023 11:17				

The Water Spigot
 5806 East Hwy. 22 Panama City, FL. 32404
 (850) 871-1900 F: (850) 871-9303
 NELAC Laboratory Certification: E81105

Client: City of Destin **Client Sample ID:** Destin Harbor #2
Lab ID: WS23AUG02-031-003 **Collection Date:** 8/2/2023 11:18
Recv By: Ellen Peel **Matrix:** AQUEOUS-Other
Recv Dt: 8/2/2023 15:32 **Sampler:** RB

Analyses

Ammonia as N **EPA 350.1** **Batch: W-080823-011** **Run: 1**

	<u>Result</u>	<u>Detection</u> <u>Limit</u>	<u>Reporting</u> <u>Limit</u>	<u>Qual</u>	<u>Unit</u>
Ammonia as N	0.05	0.05	0.25	U	mg/L as N
Dilution Factor	1				
Analyzed By	ZD				
Analysis Date/Time	08/15/2023 13:46				

Carb. Biochemical Oxygen Demand (CBOD) 5 Day **SM 5210 B** **Batch: W-080823-005** **Run: 1**

	<u>Result</u>	<u>Detection</u> <u>Limit</u>	<u>Reporting</u> <u>Limit</u>	<u>Qual</u>	<u>Unit</u>
Carbonaceous Biochemical Oxygen Demand	1.5	1	1		mg/L
Dilution Factor	1				
Prep By	LW				
Prep Date/Time	08/03/2023 11:00				
Analyzed By	LW				
Analysis Date/Time	08/03/2023 11:00				

Chloride **SM 4500-CL-E (2011)** **Batch: W-081023-023** **Run: 1**

	<u>Result</u>	<u>Detection</u> <u>Limit</u>	<u>Reporting</u> <u>Limit</u>	<u>Qual</u>	<u>Unit</u>
Chloride	17000	1000	4000		mg/L
Dilution Factor	1000				
Prep By	cec				
Prep Date/Time	08/11/2023 15:00				
Analyzed By	cec				
Analysis Date/Time	08/11/2023 15:00				

Chlorophyll-A **SM 10200 H** **Batch: W-082123-009** **Run: 1**

	<u>Result</u>	<u>Detection</u> <u>Limit</u>	<u>Reporting</u> <u>Limit</u>	<u>Qual</u>	<u>Unit</u>
Chlorophyll-a	3.5	0.1	0.2		ug/L
Dilution Factor	1				
Prep By	MLJ				
Prep Date/Time	08/03/2023 12:40				
Analyzed By	MLJ				
Analysis Date/Time	08/22/2023 10:09				

The Water Spigot
 5806 East Hwy. 22 Panama City, FL. 32404
 (850) 871-1900 F: (850) 871-9303
 NELAC Laboratory Certification: E81105

Client: City of Destin **Client Sample ID:** Destin Harbor #2
Lab ID: WS23AUG02-031-003 **Collection Date:** 8/2/2023 11:18
Recv By: Ellen Peel **Matrix:** AQUEOUS-Other
Recv Dt: 8/2/2023 15:32 **Sampler:** RB

Analyses

Nitrate and Nitrite

EPA 353.2

Batch: W-081623-015 Run: 1

	<u>Result</u>	<u>Detection</u> <u>Limit</u>	<u>Reporting</u> <u>Limit</u>	<u>Qual</u>	<u>Unit</u>
Nitrate/Nitrite as N	0.1	0.1	0.5	U	mg/L
Dilution Factor	1				
Prep By	cec				
Prep Date/Time	08/17/2023 11:50				
Analyzed By	cec				
Analysis Date/Time	08/17/2023 11:50				

Phosphorus, Total

EPA 365.1

Batch: W-080723-023 Run: 1

	<u>Result</u>	<u>Detection</u> <u>Limit</u>	<u>Reporting</u> <u>Limit</u>	<u>Qual</u>	<u>Unit</u>
Phosphorus-total	0.010	0.003	0.015	I	mg/L
Dilution Factor	1				
Prep By	LB				
Prep Date/Time	08/08/2023 08:30				
Analyzed By	LB				
Analysis Date/Time	08/08/2023 15:07				

Total Kjeldahl Nitrogen

EPA 351.2

Batch: W-080823-010 Run: 1

	<u>Result</u>	<u>Detection</u> <u>Limit</u>	<u>Reporting</u> <u>Limit</u>	<u>Qual</u>	<u>Unit</u>
Total Kjeldahl Nitrogen	2.20	0.25	1		mg/L as N
Dilution Factor	1				
Prep By	ZD				
Prep Date/Time	08/09/2023 12:08				
Analyzed By	ZD				
Analysis Date/Time	08/15/2023 11:17				

The Water Spigot
 5806 East Hwy. 22 Panama City, FL. 32404
 (850) 871-1900 F: (850) 871-9303
 NELAC Laboratory Certification: E81105

Client: City of Destin **Client Sample ID:** Destin Harbor #12A
Lab ID: WS23AUG02-031-004 **Collection Date:** 8/2/2023 11:00
Recv By: Ellen Peel **Matrix:** AQUEOUS-Other
Recv Dt: 8/2/2023 15:32 **Sampler:** RB

Analyses

Ammonia as N **EPA 350.1** **Batch: W-080823-011** **Run: 1**

	<u>Result</u>	<u>Detection</u> <u>Limit</u>	<u>Reporting</u> <u>Limit</u>	<u>Qual</u>	<u>Unit</u>
Ammonia as N	0.05	0.05	0.25	U	mg/L as N
Dilution Factor	1				
Analyzed By	ZD				
Analysis Date/Time	08/15/2023 13:46				

Carb. Biochemical Oxygen Demand (CBOD) 5 Day **SM 5210 B** **Batch: W-080823-005** **Run: 1**

	<u>Result</u>	<u>Detection</u> <u>Limit</u>	<u>Reporting</u> <u>Limit</u>	<u>Qual</u>	<u>Unit</u>
Carbonaceous Biochemical Oxygen Demand	1.8	1	1		mg/L
Dilution Factor	1				
Prep By	LW				
Prep Date/Time	08/03/2023 11:00				
Analyzed By	LW				
Analysis Date/Time	08/03/2023 11:00				

Chloride **SM 4500-CL-E (2011)** **Batch: W-081023-023** **Run: 1**

	<u>Result</u>	<u>Detection</u> <u>Limit</u>	<u>Reporting</u> <u>Limit</u>	<u>Qual</u>	<u>Unit</u>
Chloride	11000	1000	4000		mg/L
Dilution Factor	1000				
Prep By	cec				
Prep Date/Time	08/11/2023 15:00				
Analyzed By	cec				
Analysis Date/Time	08/11/2023 15:00				

Chlorophyll-A **SM 10200 H** **Batch: W-082123-009** **Run: 1**

	<u>Result</u>	<u>Detection</u> <u>Limit</u>	<u>Reporting</u> <u>Limit</u>	<u>Qual</u>	<u>Unit</u>
Chlorophyll-a	4.1	0.1	0.2		ug/L
Dilution Factor	1				
Prep By	MLJ				
Prep Date/Time	08/03/2023 12:40				
Analyzed By	MLJ				
Analysis Date/Time	08/22/2023 10:09				

The Water Spigot
 5806 East Hwy. 22 Panama City, FL. 32404
 (850) 871-1900 F: (850) 871-9303
 NELAC Laboratory Certification: E81105

Client: City of Destin **Client Sample ID:** Destin Harbor #12A
Lab ID: WS23AUG02-031-004 **Collection Date:** 8/2/2023 11:00
Recv By: Ellen Peel **Matrix:** AQUEOUS-Other
Recv Dt: 8/2/2023 15:32 **Sampler:** RB

Analyses

Nitrate and Nitrite

EPA 353.2

Batch: W-081623-015 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Nitrate/Nitrite as N	0.1	0.1	0.5	U	mg/L
Dilution Factor	1				
Prep By	cec				
Prep Date/Time	08/17/2023 11:50				
Analyzed By	cec				
Analysis Date/Time	08/17/2023 11:50				

Phosphorus, Total

EPA 365.1

Batch: W-080723-023 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Phosphorus-total	0.018	0.003	0.015		mg/L
Dilution Factor	1				
Prep By	LB				
Prep Date/Time	08/08/2023 08:30				
Analyzed By	LB				
Analysis Date/Time	08/08/2023 15:07				

Total Kjeldahl Nitrogen

EPA 351.2

Batch: W-080823-010 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Total Kjeldahl Nitrogen	0.851	0.25	1	I	mg/L as N
Dilution Factor	1				
Prep By	ZD				
Prep Date/Time	08/09/2023 12:08				
Analyzed By	ZD				
Analysis Date/Time	08/15/2023 11:17				

The Water Spigot
 5806 East Hwy. 22 Panama City, FL. 32404
 (850) 871-1900 F: (850) 871-9303
 NELAC Laboratory Certification: E81105

Client: City of Destin **Client Sample ID:** Destin Harbor #11A
Lab ID: WS23AUG02-031-005 **Collection Date:** 8/2/2023 10:17
Recv By: Ellen Peel **Matrix:** AQUEOUS-Other
Recv Dt: 8/2/2023 15:32 **Sampler:** RB

Analyses

Ammonia as N **EPA 350.1** **Batch: W-080823-011** **Run: 1**

	<u>Result</u>	<u>Detection</u> <u>Limit</u>	<u>Reporting</u> <u>Limit</u>	<u>Qual</u>	<u>Unit</u>
Ammonia as N	0.102	0.05	0.25	I	mg/L as N
Dilution Factor	1				
Analyzed By	ZD				
Analysis Date/Time	08/15/2023 13:46				

Carb. Biochemical Oxygen Demand (CBOD) 5 Day **SM 5210 B** **Batch: W-080823-005** **Run: 1**

	<u>Result</u>	<u>Detection</u> <u>Limit</u>	<u>Reporting</u> <u>Limit</u>	<u>Qual</u>	<u>Unit</u>
Carbonaceous Biochemical Oxygen Demand	2	1	1		mg/L
Dilution Factor	1				
Prep By	LW				
Prep Date/Time	08/03/2023 11:00				
Analyzed By	LW				
Analysis Date/Time	08/03/2023 11:00				

Chloride **SM 4500-CL-E (2011)** **Batch: W-081023-023** **Run: 1**

	<u>Result</u>	<u>Detection</u> <u>Limit</u>	<u>Reporting</u> <u>Limit</u>	<u>Qual</u>	<u>Unit</u>
Chloride	14000	1	4		mg/L
Dilution Factor	1000				
Prep By	cec				
Prep Date/Time	08/11/2023 15:00				
Analyzed By	cec				
Analysis Date/Time	08/11/2023 15:00				

Chlorophyll-A **SM 10200 H** **Batch: W-082123-009** **Run: 1**

	<u>Result</u>	<u>Detection</u> <u>Limit</u>	<u>Reporting</u> <u>Limit</u>	<u>Qual</u>	<u>Unit</u>
Chlorophyll-a	1.5	0.1	0.2		ug/L
Dilution Factor	1				
Prep By	MLJ				
Prep Date/Time	08/03/2023 12:40				
Analyzed By	MLJ				
Analysis Date/Time	08/22/2023 10:09				

The Water Spigot
 5806 East Hwy. 22 Panama City, FL. 32404
 (850) 871-1900 F: (850) 871-9303
 NELAC Laboratory Certification: E81105

Client: City of Destin **Client Sample ID:** Destin Harbor #11A
Lab ID: WS23AUG02-031-005 **Collection Date:** 8/2/2023 10:17
Recv By: Ellen Peel **Matrix:** AQUEOUS-Other
Recv Dt: 8/2/2023 15:32 **Sampler:** RB

Analyses

Nitrate and Nitrite

EPA 353.2

Batch: W-081623-015 Run: 1

	<u>Result</u>	<u>Detection</u> <u>Limit</u>	<u>Reporting</u> <u>Limit</u>	<u>Qual</u>	<u>Unit</u>
Nitrate/Nitrite as N	0.1	0.1	0.5	U	mg/L
Dilution Factor	1				
Prep By	cec				
Prep Date/Time	08/17/2023 11:50				
Analyzed By	cec				
Analysis Date/Time	08/17/2023 11:50				

Phosphorus, Total

EPA 365.1

Batch: W-080723-023 Run: 1

	<u>Result</u>	<u>Detection</u> <u>Limit</u>	<u>Reporting</u> <u>Limit</u>	<u>Qual</u>	<u>Unit</u>
Phosphorus-total	0.037	0.003	0.015		mg/L
Dilution Factor	1				
Prep By	LB				
Prep Date/Time	08/08/2023 08:30				
Analyzed By	LB				
Analysis Date/Time	08/08/2023 15:07				

Total Kjeldahl Nitrogen

EPA 351.2

Batch: W-080823-010 Run: 1

	<u>Result</u>	<u>Detection</u> <u>Limit</u>	<u>Reporting</u> <u>Limit</u>	<u>Qual</u>	<u>Unit</u>
Total Kjeldahl Nitrogen	0.25	0.25	1	U	mg/L as N
Dilution Factor	1				
Prep By	ZD				
Prep Date/Time	08/09/2023 12:08				
Analyzed By	ZD				
Analysis Date/Time	08/15/2023 11:17				

The Water Spigot
 5806 East Hwy. 22 Panama City, FL. 32404
 (850) 871-1900 F: (850) 871-9303
 NELAC Laboratory Certification: E81105

Client: City of Destin **Client Sample ID:** Destin Harbor #4B
Lab ID: WS23AUG02-031-006 **Collection Date:** 8/2/2023 10:43
Recv By: Ellen Peel **Matrix:** AQUEOUS-Other
Recv Dt: 8/2/2023 15:32 **Sampler:** RB

Analyses

Ammonia as N **EPA 350.1** **Batch: W-080823-011** **Run: 1**

	<u>Result</u>	<u>Detection</u> <u>Limit</u>	<u>Reporting</u> <u>Limit</u>	<u>Qual</u>	<u>Unit</u>
Ammonia as N	0.05	0.05	0.25	U	mg/L as N
Dilution Factor	1				
Analyzed By	ZD				
Analysis Date/Time	08/15/2023 13:46				

Carb. Biochemical Oxygen Demand (CBOD) 5 Day **SM 5210 B** **Batch: W-080823-005** **Run: 1**

	<u>Result</u>	<u>Detection</u> <u>Limit</u>	<u>Reporting</u> <u>Limit</u>	<u>Qual</u>	<u>Unit</u>
Carbonaceous Biochemical Oxygen Demand	1.8	1	1		mg/L
Dilution Factor	1				
Prep By	LW				
Prep Date/Time	08/03/2023 11:00				
Analyzed By	LW				
Analysis Date/Time	08/03/2023 11:00				

Chloride **SM 4500-CL-E (2011)** **Batch: W-081023-023** **Run: 1**

	<u>Result</u>	<u>Detection</u> <u>Limit</u>	<u>Reporting</u> <u>Limit</u>	<u>Qual</u>	<u>Unit</u>
Chloride	11000	1000	4000		mg/L
Dilution Factor	1000				
Prep By	cec				
Prep Date/Time	08/11/2023 15:00				
Analyzed By	cec				
Analysis Date/Time	08/11/2023 15:00				

Chlorophyll-A **SM 10200 H** **Batch: W-082123-009** **Run: 1**

	<u>Result</u>	<u>Detection</u> <u>Limit</u>	<u>Reporting</u> <u>Limit</u>	<u>Qual</u>	<u>Unit</u>
Chlorophyll-a	2.9	0.1	0.2		ug/L
Dilution Factor	1				
Prep By	MLJ				
Prep Date/Time	08/03/2023 12:40				
Analyzed By	MLJ				
Analysis Date/Time	08/22/2023 10:09				

The Water Spigot
 5806 East Hwy. 22 Panama City, FL. 32404
 (850) 871-1900 F: (850) 871-9303
 NELAC Laboratory Certification: E81105

Client: City of Destin **Client Sample ID:** Destin Harbor #4B
Lab ID: WS23AUG02-031-006 **Collection Date:** 8/2/2023 10:43
Recv By: Ellen Peel **Matrix:** AQUEOUS-Other
Recv Dt: 8/2/2023 15:32 **Sampler:** RB

Analyses

Nitrate and Nitrite

EPA 353.2

Batch: W-081623-015 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Nitrate/Nitrite as N	0.1	0.1	0.5	U	mg/L
Dilution Factor	1				
Prep By	cec				
Prep Date/Time	08/17/2023 11:50				
Analyzed By	cec				
Analysis Date/Time	08/17/2023 11:50				

Phosphorus, Total

EPA 365.1

Batch: W-080723-023 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Phosphorus-total	0.004	0.003	0.015	I	mg/L
Dilution Factor	1				
Prep By	LB				
Prep Date/Time	08/08/2023 08:30				
Analyzed By	LB				
Analysis Date/Time	08/08/2023 15:07				

Total Kjeldahl Nitrogen

EPA 351.2

Batch: W-080823-010 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Total Kjeldahl Nitrogen	0.329	0.25	1	I	mg/L as N
Dilution Factor	1				
Prep By	ZD				
Prep Date/Time	08/09/2023 12:08				
Analyzed By	ZD				
Analysis Date/Time	08/15/2023 11:17				

The Water Spigot
 5806 East Hwy. 22 Panama City, FL. 32404
 (850) 871-1900 F: (850) 871-9303
 NELAC Laboratory Certification: E81105

Client: City of Destin **Client Sample ID:** Destin Harbor #6B
Lab ID: WS23AUG02-031-007 **Collection Date:** 8/2/2023 09:55
Recv By: Ellen Peel **Matrix:** AQUEOUS-Other
Recv Dt: 8/2/2023 15:32 **Sampler:** RB

Analyses

Ammonia as N **EPA 350.1** **Batch: W-080823-011** **Run: 1**

	<u>Result</u>	<u>Detection</u> <u>Limit</u>	<u>Reporting</u> <u>Limit</u>	<u>Qual</u>	<u>Unit</u>
Ammonia as N	0.100	0.05	0.25	I	mg/L as N
Dilution Factor	1				
Analyzed By	ZD				
Analysis Date/Time	08/15/2023 13:46				

Carb. Biochemical Oxygen Demand (CBOD) 5 Day **SM 5210 B** **Batch: W-080823-005** **Run: 1**

	<u>Result</u>	<u>Detection</u> <u>Limit</u>	<u>Reporting</u> <u>Limit</u>	<u>Qual</u>	<u>Unit</u>
Carbonaceous Biochemical Oxygen Demand	1.8	1	1		mg/L
Dilution Factor	1				
Prep By	LW				
Prep Date/Time	08/03/2023 11:00				
Analyzed By	LW				
Analysis Date/Time	08/03/2023 11:00				

Chloride **SM 4500-CL-E (2011)** **Batch: W-081023-023** **Run: 1**

	<u>Result</u>	<u>Detection</u> <u>Limit</u>	<u>Reporting</u> <u>Limit</u>	<u>Qual</u>	<u>Unit</u>
Chloride	13000	1000	4000		mg/L
Dilution Factor	1000				
Prep By	cec				
Prep Date/Time	08/11/2023 15:00				
Analyzed By	cec				
Analysis Date/Time	08/11/2023 15:00				

Chlorophyll-A **SM 10200 H** **Batch: W-082123-009** **Run: 1**

	<u>Result</u>	<u>Detection</u> <u>Limit</u>	<u>Reporting</u> <u>Limit</u>	<u>Qual</u>	<u>Unit</u>
Chlorophyll-a	4.3	0.1	0.2		ug/L
Dilution Factor	1				
Prep By	MLJ				
Prep Date/Time	08/03/2023 12:40				
Analyzed By	MLJ				
Analysis Date/Time	08/22/2023 10:09				

The Water Spigot
 5806 East Hwy. 22 Panama City, FL. 32404
 (850) 871-1900 F: (850) 871-9303
 NELAC Laboratory Certification: E81105

Client: City of Destin **Client Sample ID:** Destin Harbor #6B
Lab ID: WS23AUG02-031-007 **Collection Date:** 8/2/2023 09:55
Recv By: Ellen Peel **Matrix:** AQUEOUS-Other
Recv Dt: 8/2/2023 15:32 **Sampler:** RB

Analyses

Nitrate and Nitrite

EPA 353.2

Batch: W-081623-015 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Nitrate/Nitrite as N	0.1	0.1	0.5	U	mg/L
Dilution Factor	1				
Prep By	cec				
Prep Date/Time	08/17/2023 11:50				
Analyzed By	cec				
Analysis Date/Time	08/17/2023 11:50				

Phosphorus, Total

EPA 365.1

Batch: W-080723-023 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Phosphorus-total	0.028	0.003	0.015		mg/L
Dilution Factor	1				
Prep By	LB				
Prep Date/Time	08/08/2023 08:30				
Analyzed By	LB				
Analysis Date/Time	08/08/2023 15:07				

Total Kjeldahl Nitrogen

EPA 351.2

Batch: W-080823-010 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Total Kjeldahl Nitrogen	0.252	0.25	1	I	mg/L as N
Dilution Factor	1				
Prep By	ZD				
Prep Date/Time	08/09/2023 12:08				
Analyzed By	ZD				
Analysis Date/Time	08/15/2023 11:17				

The Water Spigot
 5806 East Hwy. 22 Panama City, FL. 32404
 (850) 871-1900 F: (850) 871-9303
 NELAC Laboratory Certification: E81105

Client: City of Destin **Client Sample ID:** Destin Harbor #7
Lab ID: WS23AUG02-031-008 **Collection Date:** 8/2/2023 09:39
Recv By: Ellen Peel **Matrix:** AQUEOUS-Other
Recv Dt: 8/2/2023 15:32 **Sampler:** RB

Analyses

Ammonia as N **EPA 350.1** **Batch: W-080823-011** **Run: 1**

	<u>Result</u>	<u>Detection</u> <u>Limit</u>	<u>Reporting</u> <u>Limit</u>	<u>Qual</u>	<u>Unit</u>
Ammonia as N	0.05	0.05	0.25	U	mg/L as N
Dilution Factor	1				
Analyzed By	ZD				
Analysis Date/Time	08/15/2023 13:46				

Carb. Biochemical Oxygen Demand (CBOD) 5 Day **SM 5210 B** **Batch: W-080823-005** **Run: 1**

	<u>Result</u>	<u>Detection</u> <u>Limit</u>	<u>Reporting</u> <u>Limit</u>	<u>Qual</u>	<u>Unit</u>
Carbonaceous Biochemical Oxygen Demand	5	1	1		mg/L
Dilution Factor	1				
Prep By	LW				
Prep Date/Time	08/03/2023 11:00				
Analyzed By	LW				
Analysis Date/Time	08/03/2023 11:00				

Chloride **SM 4500-CL-E (2011)** **Batch: W-081023-023** **Run: 1**

	<u>Result</u>	<u>Detection</u> <u>Limit</u>	<u>Reporting</u> <u>Limit</u>	<u>Qual</u>	<u>Unit</u>
Chloride	11000	1000	4000		mg/L
Dilution Factor	1000				
Prep By	cec				
Prep Date/Time	08/11/2023 15:00				
Analyzed By	cec				
Analysis Date/Time	08/11/2023 15:00				

Chlorophyll-A **SM 10200 H** **Batch: W-082123-009** **Run: 1**

	<u>Result</u>	<u>Detection</u> <u>Limit</u>	<u>Reporting</u> <u>Limit</u>	<u>Qual</u>	<u>Unit</u>
Chlorophyll-a	4.9	0.1	0.2		ug/L
Dilution Factor	1				
Prep By	MLJ				
Prep Date/Time	08/03/2023 12:40				
Analyzed By	MLJ				
Analysis Date/Time	08/22/2023 10:09				

The Water Spigot
 5806 East Hwy. 22 Panama City, FL. 32404
 (850) 871-1900 F: (850) 871-9303
 NELAC Laboratory Certification: E81105

Client: City of Destin **Client Sample ID:** Destin Harbor #7
Lab ID: WS23AUG02-031-008 **Collection Date:** 8/2/2023 09:39
Recv By: Ellen Peel **Matrix:** AQUEOUS-Other
Recv Dt: 8/2/2023 15:32 **Sampler:** RB

Analyses

Nitrate and Nitrite

EPA 353.2

Batch: W-081623-015 Run: 1

	<u>Result</u>	<u>Detection</u> <u>Limit</u>	<u>Reporting</u> <u>Limit</u>	<u>Qual</u>	<u>Unit</u>
Nitrate/Nitrite as N	0.1	0.1	0.5	U	mg/L
Dilution Factor	1				
Prep By	cec				
Prep Date/Time	08/17/2023 11:50				
Analyzed By	cec				
Analysis Date/Time	08/17/2023 11:50				

Phosphorus, Total

EPA 365.1

Batch: W-080723-023 Run: 1

	<u>Result</u>	<u>Detection</u> <u>Limit</u>	<u>Reporting</u> <u>Limit</u>	<u>Qual</u>	<u>Unit</u>
Phosphorus-total	0.013	0.003	0.015	I	mg/L
Dilution Factor	1				
Prep By	LB				
Prep Date/Time	08/08/2023 08:30				
Analyzed By	LB				
Analysis Date/Time	08/08/2023 15:07				

Total Kjeldahl Nitrogen

EPA 351.2

Batch: W-080823-010 Run: 1

	<u>Result</u>	<u>Detection</u> <u>Limit</u>	<u>Reporting</u> <u>Limit</u>	<u>Qual</u>	<u>Unit</u>
Total Kjeldahl Nitrogen	0.25	0.25	1	U	mg/L as N
Dilution Factor	1				
Prep By	ZD				
Prep Date/Time	08/09/2023 12:08				
Analyzed By	ZD				
Analysis Date/Time	08/15/2023 11:17				

The Water Spigot

5806 East Hwy. 22 Panama City, FL. 32404

(850) 871-1900 F: (850) 871-9303

NELAC Laboratory Certification: E81105

Data Qualifier	Qualifier Definition
B	Results based upon colony counts outside the acceptable range. Applies to microbiological tests and specifically to membrane filter colony counts. It is to be used if the colony count is generated from a plate in which the total number of colonies is outside the method indicated ideal range.
D	Measurement was made in the field.
E	Extra samples were taken at composite stations
G	Analyte was detected in both the sample and the associated field, equipment, or trip blank.
H	Value based on field kit determination; results may not be accurate.
I	The reported value is between the laboratory MDL and the laboratory PQL.
J	This qualifier is used when a QC sample does not meet the requirements in the method (ie: duplicate, spike, or control). There will always be a comment explained in the details. Laboratory does not feel that the sample results are compromised.
K	Off-scale low. Actual value is known to be less than the value given.
L	Off-scale high. Actual value is known to be greater than value given.
M	Chemical Analysis: Presence of material is verified but not quantified; the actual value is less than the value given. The reported value shall be the laboratory practical quantitation limit. Species: Male sex
N	Presumptive evidence of presence of material
O	Sampled, but analysis was lost during sample preparation or sample analysis
Q	Sample is either received or analyzed after the holding time. An explanation will be included if the laboratory is at fault.
R	Significant rain in the past 48 hours.
S	Secchi disk visible to bottom of waterbody. The value reported is the depth of the waterbody at the location of the Secchi disk measurement.
T	Value reported is less than the laboratory method detection limit. The value is reported for informational purposes, only and shall not be used in statistical analysis.
U	Compound was analyzed for but not detected.
V	Analyte was detected in both the sample and the associated method blank.
Y	Laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
Z	Too many colonies were present for accurate counting (TNTC), the numeric value shall be estimated from the highest dilution factor (smallest sample volume) used for the test and reported with the qualifier code.
?	Data is rejected and should not be used. Some or all of the quality control data for the analyte were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
*	Not analyzed due to interference.
!	Data deviates from historically established concentration ranges.
•	Not analyzed due to high chlorine content or matrix interference

For more detailed information see: Florida Administrative Code rule chapter 62-160 Table 62-160.700.

History–New 1-1-91, Amended 2-4-93, 2-27-94, Formerly 17-160.700, Amended 3-24-96, 4-9-02, 6-8-04, 12-3-08, 7-30-14.

The Water Spigot Chain of Custody Transfer Record
 15080223-174/183

Client: Analytical Services
 921 Hospital Dr.
 Niceville, FL 32578

Destin Harbor
 Parameters Requested: August-031

Sampling Date	Time	Sampler	Matrix	Sample Location	Grab	Composite	Parameters Requested						Comments		
							CBOD	Chlorophyll A	TP	NH3	Cl ⁻	TKN		NO2	NO3
8/2/23	1139	RB	SW	1A	X		0723-009	010	0223-020	024	0223-031	032	031	0314	
	1120			1C	X			010				032			
	1118			2	X			011				032			
	1100			124	X			012				032			
	1017			11A	X			013				034			
	1043			4B	X			014				034			
	0955			6B	X			015				037			
	0939			7	X			016				038			
								017				039			
								018				040			
								019							

Relinquished By: Riley Bell
 Date: 8/2/23 Time: 1320

Received By: C Rudy
 Date: 8/2/23 Time: 1532

Relinquished By: C Rudy
 Date: 8/2/23 Time: 1532

Received By: M. Rao
 Date: 8/2/23 Time: 1532 CST

Comments:
 Asc will run Total / Feas

done
 CR

The Water Spigot
 5806 East Hwy. 22 Panama City, FL. 32404
 (850) 871-1900 F: (850) 871-9303
 NELAC Laboratory Certification: E81105

Analytical Services Corporation
 921 Hospital Drive * Niceville, FL 32578
 (850) 678-5313 * Fax (850) 678-5063
 nicevillelab@hotmail.com

CHAIN OF CUSTODY RECORD

26197

Company Name/Client Name City of Destin		Project Name Destin Harbor		Sample #
Company Address		Lab Dispose <input type="checkbox"/> Return to Client <input type="checkbox"/> Other <input type="checkbox"/>		Container #
City, State, Zip		Date Required		
Send Report To: Troy Williams		Special Instructions		
Copy To DEP / DOH (circle one) Yes <input type="checkbox"/> No <input type="checkbox"/>		P.O.#		
Email Address <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>		Field Data		Preservative Codes
Phone # 8508421834	Fax #	Analysis Requested		A - Ammonium Chloride C - Cool Only H - Hydrochloric Acid M - Monochloroacetic Acid N - Nitric Acid OH - Sodium Hydroxide S - Sulfuric Acid T - Sodium Thiosulfate Z - Zinc Acetate
Fax Results Yes <input type="checkbox"/> No <input type="checkbox"/>		Temp		Free CL2 Total CL2 pH
Sampling		Analysis Requested		Container Codes
Date	Time	Analysis Requested		V - VOA vial G - glass P - plastic M - micro bag/cup O - Other
8/21/23	1139	CBOD		
	1126	Chlorophyll A		
	1118	TP		
	1100	NH3		
	1014	Cl ⁻		
	043	TKN, NO ₂ , NO ₃		
	0955	Total Fecal MPN		
	0939			
Sampled By & Title Rivus Bell		Date / Time 8/21/23 1313		
Received By		Reinquisitioned By		
Received By		Reinquisitioned By		
Received By		Reinquisitioned By		
Received In Lab By Nick Cullin		Temperature at °C Received in Lab: DT-8530: Infrared Thermometer #682743 Measured 11.5 Corrected 1.3		

18 April 2023 Author: T. Jackson

Distribution: Original - LAB Yellow - CLIENT

The Water Spigot

5806 East Hwy. 22 Panama City, FL. 32404

(850) 871-1900 F: (850) 871-9303

NELAC Laboratory Certification: E81105

City of Destin
DESTIN HARBOR

DATE: 8/2/23
2/1/2023

SITE ID	# CONTAINERS	MATERIAL CODE	VOLUME	ID #	REMARKS
1A	1	PE	0.25 gal	-017	
	1	PE	0.25 gal	-011	
	2	PE	2 L	0223-033+034	Chlorophyll A
	1	Colitag Sterile	120 ml	-004	
2A	1	PE	0.25 gal		
	1	PE	0.25 gal		
	2	PE	2 L		Chlorophyll A
	1	Colitag Sterile	120 ml		
1C	1	PE	0.25 gal	024	
	1	PE	0.25 gal	015	
	2	PE	2 L	0223-040+038	Chlorophyll A
	1	Colitag Sterile	120 ml	006	
2	1	PE	0.25 gal	-017	
	1	PE	0.25 gal	-019	
	2	PE	2 L	-032+031	Chlorophyll A
	1	Colitag Sterile	120 ml	-003	
12A	1	PE	0.25 gal	-021	
	1	PE	0.25 gal	-023	
	2	PE	2 L	0223-026+025	Chlorophyll A
	1	Colitag Sterile	120 ml	001	
11A	1	PE	0.25 gal	-016	-016
	1	PE	0.25 gal	-020	-020
	2	PE	2 L	0223-029+030	Chlorophyll A
	1	Colitag Sterile	120 ml	-002 (DUP) -048	
4B	1	PE	0.25 gal	-022	
	1	PE	0.25 gal	-018	
	2	PE	2 L	0223-035+036	Chlorophyll A
	1	Colitag Sterile	120 ml	-005	
6B	1	PE	0.25 gal	-014	
	1	PE	0.25 gal	-010	
	2	PE	2 L	0223-027+028	Chlorophyll A
	1	Colitag Sterile	120 ml	-008	
7A	1	PE	0.25 gal	-013	
	1	PE	0.25 gal	-009	
	2	PE	2 L	0223-037+039	Chlorophyll A
	1	Colitag Sterile	120 ml	-007	
2C **	1	PE	0.25 gal		
	1	PE	0.25 gal		
	2	PE	2 L		Chlorophyll A
	1	Colitag Sterile	120 ml		

The Water Spigot

5806 East Hwy. 22 Panama City, FL. 32404

(850) 871-1900 F: (850) 871-9303

NELAC Laboratory Certification: E81105

DATE: _____ DESTIN HARBOR WORKSHEET SAMPLER: _____

MONITOR SITE	Map Location (GPS)	Secchi Depth (FT)	WATER DEPTH (FT)	WATER COLUMN	Measurement Time	Measurement Depth	WATER TEMP (C°)	DO (mg/L)	Salinity (ppt)	SAMPLE TIME	REMARKS
1B	N 30° 23.442'	DOWN 13'	13'	Top	0953	0.5'	30.10	6.47	16.36	0955	NE 02 WIND: BARO: 30.04 cond. 45616
	W 86° 29.785'	UP 7.5'		Mid	0952	6.5	29.67	6.27	18.20		
	AVERAGE	0950		13	29.30	6.26	27.17				
4B	N 30° 23.421'	DOWN 14.5'	14.5'	Top	1040	0.5'	31.01	7.00	16.82	1043	NO1 WIND: BARO: 30.03 conductivity 36015
	W 86° 30.331'	UP 6		Mid	1039	5	31.68	6.91	19.37		
	AVERAGE	1038		13.5	31.71	6.79	19.85				
1A	N 30° 23.636'	DOWN 3.5'	3.5'	Top	1136	0.5'	31.90	6.43	17.70	1139	NO1 WIND: BARO: 30.03 Cond. 32785
	W 86° 30.785'	UP 3.5'		Mid	1135	3.0	31.90	6.30	17.58		
	AVERAGE	1134		3.5	31.89	5.89	17.73				
2C**	N 30° 23.196'	DOWN		Top		0.5'					WIND:
	W 86° 29.451'	UP		Mid							BARO:
	AVERAGE			Bottom							NOT SAMPLED**

The Water Spigot

5806 East Hwy. 22 Panama City, FL. 32404

(850) 871-1900 F: (850) 871-9303

NELAC Laboratory Certification: E81105

SAMPLER:

DESTIN HARBOR WORKSHEET

MONITOR SITE	Map Location (GPS)	Secchi Depth (FT)	WATER DEPTH (FT)	WATER COLUMN	Measurement Time	Measurement Depth	WATER TEMP (C°)	DO (mg/L)	Salinity (ppt)	SAMPLE TIME	REMARKS
7 1A	N 30° 23.220'	DOWN 9'	9'	Top	0936	0.5'	29.18	6.12	24.00	0939	N 03 WIND BARO: 30.04 Conductivity 48439
	W 86° 28.703'	UP 58'		Mid	0935	4'	28.85	6.28	27.18		
		AVERAGE		Bottom	0934	8'	28.61	6.01 92.8	28.47		
11A 1C	N 30° 23.221'	DOWN 8'	8'	Top	1014	0.5'	29.78	5.72	16.86	1017	N 02 WIND BARO: 30.04 Conductivity 32386
	W 86° 29.3057'	UP 5.5'		Mid	1013	6'	29.90	5.56	17.23		
		AVERAGE		Bottom	1012	7'	30.57	5.38	18.00		
2	N 30° 23.391'	DOWN 10.7'	11'	Top	1115	0.5'	31.19	6.41	17.25	1118	N 02 WIND BARO: 30.03 Conductivity 36165
	W 86° 29.308'	UP 5'		Mid	1114	4'	31.40	6.49	18.22		
		AVERAGE		Bottom	1113	10'	31.52	6.54	19.91		
12A	N 30° 23.196'	DOWN 9.8'	10'	Top	1056	0.5'	30.15	5.36	17.08	1100	N 03 30.04 WIND BARO: 30.03 Conductivity 43205
	W 86° 29.451'	UP 5.5'		Mid	1055	6'	31.74	3.17	19.72		
		AVERAGE		Bottom	1054	9'	30.47	21.70	24.95		
1C 11A	N 30° 23.150'	DOWN 15'	15'	Top	1124	0.5'	31.10 31.87	7.27	16.99	1126	N 03 WIND BARO: 30.03 Conductivity 36999
	W 86° 29.743'	UP 5.5'		Mid	1123	4.5'	30.88	7.20	17.4		
		AVERAGE		Bottom	1122	14'	29.23	6.51	20.01		

Analytical Services Corporation



NELAP Laboratory Certification # E81384

921 Hospital Drive

Niceville, Florida 32578

(850) 678-5313 * FAX (850) 678-5063



Certificate of Analysis

Client Report For: Destin Harbor
Attention: Client
Client Address:

Report Date: August 29, 2022
LAB D: AS22AUG01-011

Comment:

These test results meet all NELAC requirements for those parameters which require accreditation. Any exceptions or deviations from NELAC protocol are noted in this report. Any samples collected by Analytical Services Corporation personnel are done according to the latest revision of SOP-001/01. Any questions concerning this report should be directed to the person signing this report at (850) 678-5313, Analytical Services Corporation, 921 Hospital Drive, Niceville, Florida 32578. The test results in this report relate only to those specific samples listed.

A statement of estimated uncertainty of test results is available on request. Analyses performed in the field are not regulated by the NELAC standards

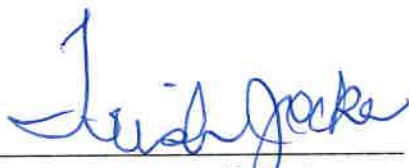
Results for solid sample are calculated and reported on a dry weight basis unless otherwise noted.

Results contained within this report relate only to the samples referenced in this report.

This report may not be reproduced except in full with written approval from the laboratory.

Destin Harbor

Approved By: _____


Trish Jackson, President

Date: _____



Analytical Services Corporation
 921 Hospital Drive, Niceville Florida 32578
 (850) 678-5313 F: (850) 678-5063

Client: Destin Harbor
Lab ID: AS22AUG01-011-001
Recv By: Riley Bell
Recv Dt: 8/1/2022 2:05 PM

Client Sample ID: Point 7
Collection Date: 8/1/2022 10:40 AM
Matrix: AQUEOUS-Saline
Sampler: Cole Crook

Analyses

Fecal Coliforms

SM 9221 E

Batch: A-081122-004 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Fecal Coliforms	1.8	1.8	1.8	U	MPN/100 mL
Analyzed By	CC				
Analysis Date/Time	8/1/22 1500				

Total Coliforms

SM 9221 B

Batch: A-081122-005 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Total Coliforms	17	1.8	1.8		MPN/100 mL
Dilution Factor	1				
Analyzed By	CC				
Analysis Date/Time	8/1/22 1500				

Analytical Services Corporation
 921 Hospital Drive, Niceville Florida 32578
 (850) 678-5313 F: (850) 678-5063

Client: Destin Harbor

Client Sample ID: Point 6B

Lab ID: AS22AUG01-011-002

Collection Date: 8/1/2022 10:56 AM

Recv Ey: Riley Bell

Matrix: AQUEOUS-Saline

Recv Ct: 8/1/2022 2:05 PM

Sampler: Cole Crook

Analyses

Fecal Coliforms

SM 9221 E

Batch: A-081122-004 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Fecal Coliforms	3.6	1.8	1.8		MPN/100 mL
Analyzed By	CC				
Analysis Date/Time	8/1/22 1500				

Total Coliforms

SM 9221 B

Batch: A-081122-005 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Total Coliforms	46	1.8	1.8		MPN/100 mL
Dilution Factor	1				
Analyzed By	CC				
Analysis Date/Time	8/1/22 1500				

Analytical Services Corporation
 921 Hospital Drive, Niceville Florida 32578
 (850) 678-5313 F: (850) 678-5063

Client: Destin Harbor
Lab ID: AS22AUG01-011-003
Recv By: Riley Bell
Recv Dt: 8/1/2022 2:05 PM

Client Sample ID: Point 4B
Collection Date: 8/1/2022 11:08 AM
Matrix: AQUEOUS-Saline
Sampler: Cole Crook

Analyses

Fecal Coliforms

SM 9221 E

Batch: A-081122-004 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Fecal Coliforms	1.8	1.8	1.8	U	MPN/100 mL
Analyzed By	CC				
Analysis Date/Time	8/1/22 1500				

Total Coliforms

SM 9221 B

Batch: A-081122-005 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Total Coliforms	2.0	1.8	1.8		MPN/100 mL
Dilution Factor	1				
Analyzed By	CC				
Analysis Date/Time	8/1/22 1500				

Analytical Services Corporation
 921 Hospital Drive, Niceville Florida 32578
 (850) 678-5313 F: (850) 678-5063

Client: Destin Harbor
Lab ID: AS22AUG01-011-004
Recv By: Riley Bell
Recv Dt: 8/1/2022 2:05 PM

Client Sample ID: Point 11A
Collection Date: 8/1/2022 11:20 AM
Matrix: AQUEOUS-Saline
Sampler: Cole Crook

Analyses

<i>Fecal Coliforms</i>	<i>SM 9221 E</i>	<i>Batch: A-081122-004</i>		<i>Run: 1</i>
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
Fecal Coliforms	2	1.8	1.8	MPN/100 mL
Analyzed By	CC			
Analysis Date/Time	8/1/22 1500			

<i>Total Coliforms</i>	<i>SM 9221 B</i>	<i>Batch: A-081122-005</i>		<i>Run: 1</i>
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
Total Coliforms	13	1.8	1.8	MPN/100 mL
Dilution Factor	1			
Analyzed By	CC			
Analysis Date/Time	8/1/22 1500			

Analytical Services Corporation
 921 Hospital Drive, Niceville Florida 32578
 (850) 678-5313 F: (850) 678-5063

Client: Destin Harbor

Client Sample ID: Point 12A

Lab ID: AS22AUG01-011-005

Collection Date: 8/1/2022 11:46 AM

Recv By: Riley Bell

Matrix: AQUEOUS-Saline

Recv Ct: 8/1/2022 2:05 PM

Sampler: Cole Crook

Analyses

Fecal Coliforms

SM 9221 E

Batch: A-081122-004 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Fecal Coliforms	7.8	1.8	1.8		MPN/100 mL
Analyzed By	CC				
Analysis Date/Time	8/1/22 1500				

Total Coliforms

SM 9221 B

Batch: A-081122-005 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Total Coliforms	350	1.8	1.8		MPN/100 mL
Dilution Factor	1				
Analyzed By	CC				
Analysis Date/Time	8/1/22 1500				

Analytical Services Corporation
 921 Hospital Drive, Niceville Florida 32578
 (850) 678-5313 F: (850) 678-5063

Client: Destin Harbor
Lab ID: AS22AUG01-011-006
Recv By: Riley Bell
Recv Ct: 8/1/2022 2:05 PM

Client Sample ID: Point 2
Collection Date: 8/1/2022 12:05 PM
Matrix: AQUEOUS-Saline
Sampler: Cole Crook

Analyses

Fecal Coliforms

SM 9221 E

Batch: A-081122-004 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Fecal Coliforms	24	1.8	1.8		MPN/100 mL
Analyzed By	CC				
Analysis Date/Time	8/1/22 1500				

Total Coliforms

SM 9221 B

Batch: A-081122-005 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Total Coliforms	>1600	1.8	1.8		MPN/100 mL
Dilution Factor	1				
Analyzed By	CC				
Analysis Date/Time	8/1/22 1500				

Analytical Services Corporation
 921 Hospital Drive, Niceville Florida 32578
 (850) 678-5313 F: (850) 678-5063

Client: Destin Harbor
Lab ID: AS22AUG01-011-007
Recv By: Riley Bell
Recv Dt: 8/1/2022 2:05 PM

Client Sample ID: Point 1C
Collection Date: 8/1/2022 12:15 PM
Matrix: AQUEOUS-Saline
Sampler: Cole Crook

Analyses

Fecal Coliforms

SM 9221 E

Batch: A-081122-004 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Fecal Coliforms	1.8	1.8	1.8		MPN/100 mL
Analyzed By	CC				
Analysis Date/Time	8/1/22 1500				

Total Coliforms

SM 9221 B

Batch: A-081122-005 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Total Coliforms	110	1.8	1.8		MPN/100 mL
Dilution Factor	1				
Analyzed By	CC				
Analysis Date/Time	8/1/22 1500				

Analytical Services Corporation
 921 Hospital Drive, Niceville Florida 32578
 (850) 678-5313 F: (850) 678-5063

Client: Destin Harbor

Client Sample ID: Point 1A

Lab ID: AS22AUG01-011-008

Collection Date: 8/1/2022 12:25 PM

Recv By: Riley Bell

Matrix: AQUEOUS-Saline

Recv Dt: 8/1/2022 2:05 PM

Sampler: Cole Crook

Analyses

Fecal Coliforms

SM 9221 E

Batch: A-081122-004 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Fecal Coliforms	17	1.8	1.8		MPN/100 mL
Analyzed By	CC				
Analysis Date/Time	8/1/22 1500				

Total Coliforms

SM 9221 B

Batch: A-081122-005 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Total Coliforms	79	1.8	1.8		MPN/100 mL
Dilution Factor	1				
Analyzed By	CC				
Analysis Date/Time	8/1/22 1500				

Data Qualifier	Qualifier Definition
B	Results based upon colony counts outside the acceptable range. Applies to microbiological tests and specifically to membrane filter colony counts. It is to be used if the colony count is generated from a plate in which the total number of colonies is outside the method indicated ideal range.
D	Measurement was made in the field.
E	Extra samples were taken at composite stations
G	Analyte was detected in both the sample and the associated field, equipment, or trip blank.
H	Value based on field kit determination; results may not be accurate.
I	The reported value is between the laboratory MDL and the laboratory PQL.
J	This qualifier is used when a QC sample does not meet the requirements in the method (ie: duplicate, spike, or control). There will always be a comment explained in the details. Laboratory does not feel that the sample results are compromised.
K	Off-scale low. Actual value is known to be less than the value given.
L	Off-scale high. Actual value is known to be greater than value given.
M	Chemical Analysis: Presence of material is verified but not quantified; the actual value is less than the value given. The reported value shall be the laboratory practical quantitation limit. Species: Male sex
N	Presumptive evidence of presence of material
O	Sampled, but analysis was lost during sample preparation or sample analysis
Q	Sample is either received or analyzed after the holding time. An explanation will be included if the laboratory is at fault.
R	Significant rain in the past 48 hours.
S	Secchi disk visible to bottom of waterbody. The value reported is the depth of the waterbody at the location of the Secchi disk measurement.
-	Value reported is less than the laboratory method detection limit. The value is reported for informational purposes, only and shall not be used in statistical analysis.
U	Compound was analyzed for but not detected.
V	Analyte was detected in both the sample and the associated method blank.
Y	Laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
Z	Too many colonies were present for accurate counting (TNTC), the numeric value shall be estimated from the highest dilution factor (smallest sample volume) used for the test and reported with the qualifier code.
?	Data is rejected and should not be used. Some or all of the quality control data for the analyte were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
~	Not analyzed due to interference.
	Data deviates from historically established concentration ranges.
*	Not analyzed due to high chlorine content or matrix interference

For more detailed information see: Florida Administrative Code rule chapter 62-160 Table 62-160.700.
 History-New 1-1-91, Amended 2-4-93, 2-27-94, Formerly 17-160.700, Amended 3-24-96, 4-9-02, 6-8-04, 12-3-08, 7-30-14.

MONITOR SITE	Map Location (GPS)	Secchi Depth (FT)	WATER DEPTH (FT)	WATER COLUMN	Measurement Time	Measurement Depth	WATER TEMP (C°)	DO (mg/L)	Salinity (ppt)	SAMPLE TIME	REMARKS
1A	N 30° 23.220'	DOWN	14.4	Top	12:25	0.5'	32.8	5.28	21.57	12:25	WIND: S/4mph BARO: 30.01
	W 86° 28.703'	UP		Mid	12:26	7.2	32.6	4.68	21.71		
	AVERAGE			Bottom	12:27	13.5	32.6	4.84	22.12		
1C	N 30° 23.221'	DOWN	11.9	Top	12:15	0.5'	32	6.03	22.02	12:15	WIND: S/0.8 mph BARO: 30.02
	W 86° 29.3057'	UP		Mid	12:16	6.0	31.9	5.65	25.07		
	AVERAGE			Bottom	12:17	11.0	31.5	5.65	27.14		
2	N 30° 23.391'	DOWN	9.6	Top	12:05	0.5'	31.5	6.00	21.05	12:05	WIND: SE/3.2 mph BARO: 30.01
	W 86° 29.308'	UP		Mid	12:06	4.8	31.9	5.85	25.80		
	AVERAGE			Bottom	12:07	9.0	31.8	5.64	27.14		
12A	N 30° 23.196'	DOWN	6.9	Top	11:46	0.5'	32.0	5.32	22.20	11:46	WIND: S/1.5 mph BARO: 30.02
	W 86° 29.451'	UP		Mid	11:47	3.5	33.1	4.85	24.09		
	AVERAGE			Bottom	11:48	5.5	33.4	4.58	25.00		
11A	N 30° 23.150'	DOWN	6.4	Top	11:20	0.5'	32.5	5.50	24.00	11:20	WIND: S/1.5 mph BARO: 30.02
	W 86° 29.743'	UP		Mid	11:21	3.2	32.6	4.90	23.33		
	AVERAGE			Bottom	11:22	6.0	32.9	4.32	24.38		

MONITOR SITE	Map Location (GPS)	Secchi Depth (FT)	WATER DEPTH (FT)	WATER COLUMN	Measurement Time	Measurement Depth	WATER TEMP (C°)	DO (mg/L)	Salinity (ppt)	SAMPLE TIME	REMARKS
4B	N 30° 23.442'	DOWN	12.6	Top	11:08	0.5'	31.5	5.76	21.08	11:08	WIND: S/3.1 mph BARO: 30.05
	W 86° 29.785'	UP		Mid	11:09	6.3	32.2	5.51	23.95		
		AVERAGE		Bottom	11:10	12.0	21.8	4.83	28.54		
6B	N 30° 23.421'	DOWN	11.2	Top	10:56	0.5'	31.8	5.63	22.6	10:56	WIND: SE/6.5 mph BARO: 30.06
	W 86° 30.331'	UP		Mid	10:57	5.0	32.1	5.4	24.48		
		AVERAGE		Bottom	10:58	10.0	31.3	5.24	28.81		
7	N 30° 23.636'	DOWN	18.4	Top	10:40	0.5'	31	5.68	27.84	10:40	WIND: SE/4.0 mph BARO: 30.09
	W 86° 30.785'	UP		Mid	10:41	9.0	31.4	5.59	25.65		
		AVERAGE		Bottom	10:42	17.0	31.4	5.52	25		
2C**	N 30° 23.196'	DOWN		Top		0.5'					WIND: BARO: NOT SAMPLED**
	W 86° 29.451'	UP		Mid							
		AVERAGE		Bottom							

Analytical Services Corporation

921 Hospital Drive * Niceville, FL 32578
 (850) 678-5313 * Fax (850) 678-5063
 nicevillelab@hotmail.com

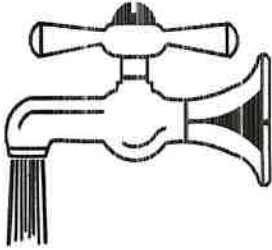
24721

CHAIN OF CUSTODY RECORD

Company Name/ Client Name: City of Destin
 Company Address: _____
 City, State, Zip: _____
 Send Report To: _____
 Copy To DEP / DOH (circle one) Yes No
 Email Address Yes No
 Phone # _____ Fax # _____
 Fax Results Yes No

Sampling	Date	Time	Type	Matrix	Sample Site (Be Specific)	#	F	O	C	O	N	T	A	I	N	E	R	S	Project Name	Sample #	Container #	Date Required
																			Analysis Requested	Field Data	Preservative Codes	
8/11/22	1040		X	X	Point 7														Destin Harbor			
			X	X	Point 6B																	
			X	X	Point 4B																	
			X	X	Point 11A																	
			X	X	Point 12A																	
			X	X	Point 2																	
			X	X	Point 1C																	
			X	X	Point 1A																	
			X	X	Point 1A																	
Relinquished By: <u>Cole Crook</u> Date/Time: <u>8/11/22 1359</u> Relinquished By: _____ Date/Time: _____ Relinquished By: _____ Date/Time: _____ Shipped Via: <u>UPS BUS</u> <u>HAND</u> <u>FED EX</u> <u>OTHER</u> Remarks: _____ Temperature at °C Received in Lab: <u>7.8°C</u> Corrected <u>7.6°C</u>																						

The Water Spigot, Inc.



NELAC Laboratory Certification #E81105
5806 East Hwy. 22 * Panama City, Florida 32404
(850) 871-1900 * Fax (850)871-9303
trishj-waterspigot@comcast.net



Certificate of Analysis

Client Report For: City of Destin
Attention: David Bazylak
Client Address: 4200 Indian Bayou Trail
Destin, FL 32541

Report Date: August 26, 2022
LAB ID: WS22AUG01-031

Comment:

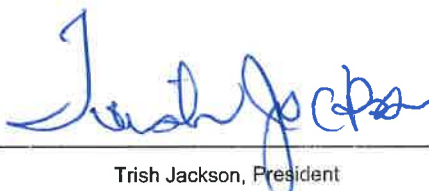
These test results meet all NELAC requirements for those parameters which require accreditation. Any exceptions or deviations from NELAC protocol are noted in this report. Any samples collected by Water Spigot personnel are done according to the latest revision of SOP-001/01. Any questions concerning this report should be directed to the person signing this report at (850) 871-1900, The Water Spigot, Inc., 5806 East Highway 22, Panama City, FL 32404. The test results in this report relate only to those specific samples listed.

A statement of estimated uncertainty of test results is available on request. Analyses performed in the field are not regulated by the NELAC standards.

Results for solid sample are calculated and reported on a dry weight basis unless otherwise noted.

Results contained within this report relate only to the samples referenced in this report.

This report may not be reproduced except in full with written approval from the laboratory.

Approved By: 
Trish Jackson, President

Date: 8/29/2022

The Water Spigot
 5806 East Hwy. 22 Panama City, FL. 32404
 (850) 871-1900 F: (850) 871-9303
 NELAC Laboratory Certification: E81105

Client: City of Destin
Lab ID: WS22AUG01-031-001
Recv By: Ellen Peel
Recv D:: 8/1/2022 15:33

Client Sample ID: Destin Harbor #1A
Collection Date: 8/1/2022 12:25
Matrix: AQUEOUS-Other
Sampler: Mike Bush

Analyses

Dissolved Oxygen (Field)

SM/ 4500-O G

Batch: W-080322-004 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Dissolved Oxygen	5.28	0	0		mg/L
Dilution Factor	1				
Analyzed By	Mike Bush				
Analysis Date/Time	08/01/2022 12:25				

Temperature, water (Field)

SM/ 2550 B

Batch: W-080322-004 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Temperature	32.6	0	0		Deg C
Analyzed By	Mike Bush				
Analysis Date/Time	08/01/2022 12:25				

Ammonia as N

EPA 350.1

Batch: W-080222-008 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Ammonia as N	0.05	0.05	0.25	U	mg/L as N
Dilution Factor	1				
Analyzed By	ZD				
Analysis Date/Time	08/09/2022 10:37				

Carb. Biochemical Oxygen Demand (CBOD) 5 Day

SM/ 5210 B

Batch: W-080922-002 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Carbonaceous Biochemical Oxygen Demand	1.7	1	1		mg/L
Dilution Factor	1				
Prep By	LW				
Prep Date/Time	08/02/2022 12:20				
Analyzed By	LW				
Analysis Date/Time	08/02/2022 12:20				

The Water Spigot
 5806 East Hwy. 22 Panama City, FL. 32404
 (850) 871-1900 F: (850) 871-9303
 NELAC Laboratory Certification: E81105

Client: City of Destin **Client Sample ID:** Destin Harbor #1A
Lab ID: WS22AUG01-031-001 **Collection Date:** 8/1/2022 12:25
Recv By: Ellen Peel **Matrix:** AQUEOUS-Other
Recv Dt: 8/1/2022 15:33 **Sampler:** Mike Bush

Analyses

Chloride *SM 4500-CL-E (2011)* *Batch: W-082422-013 Run: 1*

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Chloride	14000	1000	4000		mg/L
Dilution Factor	1000				
Prep By	cec				
Prep Date/Time	08/24/2022 09:00				
Analyzed By	cec				
Analysis Date/Time	08/24/2022 09:00				

Chlorophyll-A *SM 10200 H* *Batch: W-080222-003 Run: 1*

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Chlorophyll-a	3.8	0.1	0.2		ug/L
Dilution Factor	1				
Prep By	MLJ				
Prep Date/Time	08/02/2022 10:56				
Analyzed By	MLJ				
Analysis Date/Time	08/19/2022 09:49				

Nitrate and Nitrite *EPA 353.2* *Batch: W-080822-012 Run: 1*

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Nitrate/Nitrite as N	0.1	0.1	0.5	U	mg/L
Dilution Factor	1				
Prep By	cec				
Prep Date/Time	08/10/2022 11:30				
Analyzed By	cec				
Analysis Date/Time	08/10/2022 11:30				

Phosphorus, Total *EPA 365.1* *Batch: W-080422-005 Run: 1*

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Phosphorus-total	0.27	0.12	0.6	I	mg/L
Dilution Factor	1				
Prep By	SJ				
Prep Date/Time	08/04/2022 07:00				
Analyzed By	SJ				

The Water Spigot
 5806 East Hwy. 22 Panama City, FL. 32404
 (850) 871-1900 F: (850) 871-9303
 NELAC Laboratory Certification: E81105

Client: City of Destin **Client Sample ID:** Destin Harbor #1A
Lab ID: WS22AUG01-031-001 **Collection Date:** 8/1/2022 12:25
Recv By: Ellen Peel **Matrix:** AQUEOUS-Other
Recv Dt: 8/1/2022 15:33 **Sampler:** Mike Bush

Analyses

Phosphorus, Total **EPA 365.1** **Batch: W-080422-005 Run: 1**

	Result	Detection Limit	Reporting Limit	Qual	Unit
Analysis Date/Time	08/05/2022 13:00				

Total Kjeldahl Nitrogen **EPA 351.2** **Batch: W-080322-008 Run: 1**

	Result	Detection Limit	Reporting Limit	Qual	Unit
Total Kjeldahl Nitrogen	0.546	0.25	1	I	mg/L as N
Dilution Factor	1				
Prep By	ZD				
Prep Date/Time	08/04/2022 13:58				
Analyzed By	ZD				
Analysis Date/Time	08/08/2022 14:55				

The Water Spigot
 5806 East Hwy. 22 Panama City, FL. 32404
 (850) 871-1900 F: (850) 871-9303
 NELAC Laboratory Certification: E81105

Client: City of Destin **Client Sample ID:** Destin Harbor #1C
Lab ID: WS22AUG01-031-002 **Collection Date:** 8/1/2022 12:15
Recv By: Ellen Peel **Matrix:** AQUEOUS-Other
Recv Dt: 8/1/2022 15:33 **Sampler:** Mike Bush

Analyses

Dissolved Oxygen (Field) **SM 4500-O G** **Batch: W-080322-004 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Dissolved Oxygen	6.03	0	0		mg/L
Dilution Factor	1				
Analyzed By	Mike Bush				
Analysis Date/Time	08/01/2022 12:15				

Temperature, water (Field) **SM 2550 B** **Batch: W-080322-004 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Temperature	32.0	0	0		Deg C
Analyzed By	Mike Bush				
Analysis Date/Time	08/01/2022 12:15				

Ammonia as N **EPA 350.1** **Batch: W-080222-008 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Ammonia as N	0.05	0.05	0.25	U	mg/L as N
Dilution Factor	1				
Analyzed By	ZD				
Analysis Date/Time	08/09/2022 10:37				

Carb. Biochemical Oxygen Demand (CBOD) 5 Day **SM 5210 B** **Batch: W-080922-002 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Carbonaceous Biochemical Oxygen Demand	2	1	1		mg/L
Dilution Factor	1				
Prep. By	LW				
Prep. Date/Time	08/02/2022 12:20				
Analyzed By	LW				
Analysis Date/Time	08/02/2022 12:20				

Chloride **SM 4500-CL-E (2011)** **Batch: W-082422-013 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Chloride	14000	1000	4000		mg/L

The Water Spigot
 5806 East Hwy. 22 Panama City, FL. 32404
 (850) 871-1900 F: (850) 871-9303
 NELAC Laboratory Certification: E81105

Client: City of Destin **Client Sample ID:** Destin Harbor #1C
Lab ID: WS22AUG01-031-002 **Collection Date:** 8/1/2022 12:15
Recv By: Ellen Peel **Matrix:** AQUEOUS-Other
Recv Dt: 8/1/2022 15:33 **Sampler:** Mike Bush

Analyses

Chloride **SM 4500-CL-E (2011)** **Batch: W-082422-013 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Dilution Factor	1000				
Prep By	cec				
Prep Date/Time	08/24/2022 09:00				
Analyzed By	cec				
Analysis Date/Time	08/24/2022 09:00				

Chlorophyll-A **SM 10200 H** **Batch: W-080222-003 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Chlorophyll-a	4.0	0.1	0.2		ug/L
Dilution Factor	1				
Prep By	MLJ				
Prep Date/Time	08/02/2022 10:56				
Analyzed By	MLJ				
Analysis Date/Time	08/19/2022 09:49				

Nitrate and Nitrite **EPA 353.2** **Batch: W-080822-012 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Nitrate/Nitrite as N	0.1	0.1	0.5	U	mg/L
Dilution Factor	1				
Prep By	cec				
Prep Date/Time	08/10/2022 11:30				
Analyzed By	cec				
Analysis Date/Time	08/10/2022 11:30				

Phosphorus, Total **EPA 365.1** **Batch: W-080422-005 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Phosphorus-total	0.12	0.12	0.6	U	mg/L
Dilution Factor	1				
Prep By	SJ				
Prep Date/Time	08/04/2022 07:00				
Analyzed By	SJ				

The Water Spigot
 5806 East Hwy. 22 Panama City, FL. 32404
 (850) 871-1900 F: (850) 871-9303
 NELAC Laboratory Certification: E81105

Client: City of Destin **Client Sample ID:** Destin Harbor #1C
Lab ID: WS22AUG01-031-002 **Collection Date:** 8/1/2022 12:15
Recv By: Ellen Peel **Matrix:** AQUEOUS-Other
Recv Dt: 8/1/2022 15:33 **Sampler:** Mike Bush

Analyses

Phosphorus, Total **EPA 365.1** **Batch: W-080422-005 Run: 1**

	<u>Result</u>	<u>Detection</u>	<u>Reporting</u>	<u>Qual</u>	<u>Unit</u>
		<u>Limit</u>	<u>Limit</u>		
Analysis Date/Time	08/05/2022 13:00				

Total Kjeldahl Nitrogen **EPA 351.2** **Batch: W-080322-008 Run: 1**

	<u>Result</u>	<u>Detection</u>	<u>Reporting</u>	<u>Qual</u>	<u>Unit</u>
		<u>Limit</u>	<u>Limit</u>		
Tctal Kjeldahl Nitrogen	0.608	0.25	1	I	mg/L as N
Dilution Factor	1				
Prep By	ZD				
Prep Date/Time	08/04/2022 13:58				
Analyzed By	ZD				
Analysis Date/Time	08/08/2022 14:55				

The Water Spigot
 5806 East Hwy. 22 Panama City, FL. 32404
 (850) 871-1900 F: (850) 871-9303
 NELAC Laboratory Certification: E81105

Client: City of Destin **Client Sample ID:** Destin Harbor #2
Lab ID: WS22AUG01-031-003 **Collection Date:** 8/1/2022 12:05
Recv By: Ellen Peel **Matrix:** AQUEOUS-Other
Recv Dt: 8/1/2022 15:33 **Sampler:** Mike Bush

Analyses

Dissolved Oxygen (Field) **SM 4500-O G** **Batch: W-080322-004 Run: 1**

	Result	Detection Limit	Reporting Limit	Qual	Unit
Dissolved Oxygen	33.75	0	0		mg/L
Dilution Factor	1				
Analyzed By	Mike Bush				
Analysis Date/Time	08/01/2022 12:05				

Temperature, water (Field) **SM 2550 B** **Batch: W-080322-004 Run: 1**

	Result	Detection Limit	Reporting Limit	Qual	Unit
Temperature	31.5	0	0		Deg C
Analyzed By	Mike Bush				
Analysis Date/Time	08/01/2022 12:05				

Ammonia as N **EPA 350.1** **Batch: W-080222-008 Run: 1**

	Result	Detection Limit	Reporting Limit	Qual	Unit
Ammonia as N	0.05	0.05	0.25	U	mg/L as N
Dilution Factor	1				
Analyzed By	ZD				
Analysis Date/Time	08/09/2022 10:37				

Carb. Bicochemical Oxygen Demand (CBOD) 5 Day **SM 5210 B** **Batch: W-080922-002 Run: 1**

	Result	Detection Limit	Reporting Limit	Qual	Unit
Carbonaceous Biochemical Oxygen Demand	3	1	1		mg/L
Dilution Factor	1				
Prep By	LW				
Prep Date/Time	08/02/2022 12:20				
Analyzed By	LW				
Analysis Date/Time	08/02/2022 12:20				

Chloride **SM 4500-CL-E (2011)** **Batch: W-082422-013 Run: 1**

	Result	Detection Limit	Reporting Limit	Qual	Unit
Chloride	15000	1000	4000		mg/L

The Water Spigot
 5806 East Hwy. 22 Panama City, FL. 32404
 (850) 871-1900 F: (850) 871-9303
 NELAC Laboratory Certification: E81105

Client: City of Destin **Client Sample ID:** Destin Harbor #2
Lab ID: WS22AUG01-031-003 **Collection Date:** 8/1/2022 12:05
Recv By: Ellen Peel **Matrix:** AQUEOUS-Other
Recv Dt: 8/1/2022 15:33 **Sampler:** Mike Bush

Analyses

Chloride **SM 4500-CL-E (2011)** **Batch: W-082422-013 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Dilution Factor	1000				
Prep By	cec				
Prep Date/Time	08/24/2022 09:00				
Analyzed By	cec				
Analysis Date/Time	08/24/2022 09:00				

Chlorophyll-A **SM 10200 H** **Batch: W-080222-003 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Ch orophyll-a	2.2	0.1	0.2		ug/L
Dilution Factor	1				
Prep By	MLJ				
Prep Date/Time	08/02/2022 10:56				
Analyzed By	MLJ				
Analysis Date/Time	08/19/2022 09:49				

Nitrate and Nitrite **EPA 353.2** **Batch: W-080822-012 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Nitrate/Nitrite as N	0.1	0.1	0.5	U	mg/L
Dilution Factor	1				
Prep By	cec				
Prep Date/Time	08/10/2022 11:30				
Analyzed By	cec				
Analysis Date/Time	08/10/2022 11:30				

Phosphorus, Total **EPA 365.1** **Batch: W-080422-005 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Phosphorus-total	0.12	0.12	0.6	U	mg/L
Dilution Factor	1				
Prep By	SJ				
Prep Date/Time	08/04/2022 07:00				
Analyzed By	SJ				

The Water Spigot
 5806 East Hwy. 22 Panama City, FL. 32404
 (850) 871-1900 F: (850) 871-9303
 NELAC Laboratory Certification: E81105

Client: City of Destin **Client Sample ID:** Destin Harbor #2
Lab ID: WS22AUG01-031-003 **Collection Date:** 8/1/2022 12:05
Recv By: Ellen Peel **Matrix:** AQUEOUS-Other
Recv Dt: 8/1/2022 15:33 **Sampler:** Mike Bush

Analyses

Phosphorus, Total **EPA 365.1** **Batch: W-080422-005 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Analysis Date/Time	08/05/2022 13:00				

Total Kjeldahl Nitrogen **EPA 351.2** **Batch: W-080322-008 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Total Kjeldahl Nitrogen	0.342	0.25	1	I	mg/L as N
Dilution Factor	1				
Prep By	ZD				
Prep Date/Time	08/04/2022 13:58				
Analyzed By	ZD				
Analysis Date/Time	08/08/2022 14:55				

The Water Spigot
 5806 East Hwy. 22 Panama City, FL. 32404
 (850) 871-1900 F: (850) 871-9303
 NELAC Laboratory Certification: E81105

Client: City of Destin **Client Sample ID:** Destin Harbor #12A
Lab ID: WS22AUG01-031-004 **Collection Date:** 8/1/2022 11:46
Recv By: Ellen Peel **Matrix:** AQUEOUS-Other
Recv Dt: 8/1/2022 15:33 **Sampler:** Mike Bush

Analyses

Dissolved Oxygen (Field) **SM 4500-O G** **Batch: W-080322-004 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Dissolved Oxygen	5.32	0	0		mg/L
Dilution Factor	1				
Analyzed By	Mike Bush				
Analysis Date/Time	08/01/2022 11:46				

Temperature, water (Field) **SM 2550 B** **Batch: W-080322-004 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Temperature	32.0	0	0		Deg C
Analyzed By	Mike Bush				
Analysis Date/Time	08/01/2022 11:46				

Ammonia as N **EPA 350.1** **Batch: W-080222-008 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Ammonia as N	0.05	0.05	0.25	U	mg/L as N
Dilution Factor	1				
Analyzed By	ZD				
Analysis Date/Time	08/09/2022 10:37				

Carb. Biochemical Oxygen Demand (CBOD) 5 Day **SM 5210 B** **Batch: W-080922-002 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Carbonaceous Biochemical Oxygen Demand	2	1	1		mg/L
Dilution Factor	1				
Prep By	LW				
Prep Date/Time	08/02/2022 12:20				
Analyzed By	LW				
Analysis Date/Time	08/02/2022 12:20				

Chloride **SM 4500-CL-E (2011)** **Batch: W-082422-013 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Chloride	16000	1000	4000		mg/L

The Water Spigot
 5806 East Hwy. 22 Panama City, FL. 32404
 (850) 871-1900 F: (850) 871-9303
 NELAC Laboratory Certification: E81105

Client: City of Destin **Client Sample ID:** Destin Harbor #12A
Lab ID: WS22AUG01-031-004 **Collection Date:** 8/1/2022 11:46
Recv By: Ellen Peel **Matrix:** AQUEOUS-Other
Recv Dt: 8/1/2022 15:33 **Sampler:** Mike Bush

Analyses

Chloride **SM 4500-CL-E (2011)** **Batch: W-082422-013 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Dilution Factor	1000				
Prep By	cec				
Prep Date/Time	08/24/2022 09:00				
Analyzed By	cec				
Analysis Date/Time	08/24/2022 09:00				

Chlorophyll-A **SM 10200 H** **Batch: W-080222-003 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Chlorophyll-a	2.1	0.1	0.2		ug/L
Dilution Factor	1				
Prep By	MLJ				
Prep Date/Time	08/02/2022 10:56				
Analyzed By	MLJ				
Analysis Date/Time	08/19/2022 09:49				

Nitrate and Nitrite **EPA 353.2** **Batch: W-080822-012 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Nitrate/Nitrite as N	0.1	0.1	0.5	U	mg/L
Dilution Factor	1				
Prep By	cec				
Prep Date/Time	08/10/2022 11:30				
Analyzed By	cec				
Analysis Date/Time	08/10/2022 11:30				

Phosphorus, Total **EPA 365.1** **Batch: W-080422-005 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Phosphorus-total	0.12	0.12	0.6	U	mg/L
Dilution Factor	1				
Prep By	SJ				
Prep Date/Time	08/04/2022 07:00				
Analyzed By	SJ				

The Water Spigot
 5806 East Hwy. 22 Panama City, FL. 32404
 (850) 871-1900 F: (850) 871-9303
 NELAC Laboratory Certification: E81105

Client: City of Destin **Client Sample ID:** Destin Harbor #12A
Lab ID: WS22AUG01-031-004 **Collection Date:** 8/1/2022 11:46
Recv By: Ellen Peel **Matrix:** AQUEOUS-Other
Recv Dt: 8/1/2022 15:33 **Sampler:** Mike Bush

Analyses

Phosphorus, Total **EPA 365.1** **Batch: W-080422-005 Run: 1**

	<u>Result</u>	<u>Detection</u>	<u>Reporting</u>	<u>Qual</u>	<u>Unit</u>
		<u>Limit</u>	<u>Limit</u>		
Analysis Date/Time	08/05/2022 13:00				

Total Kjeldahl Nitrogen **EPA 351.2** **Batch: W-080322-008 Run: 1**

	<u>Result</u>	<u>Detection</u>	<u>Reporting</u>	<u>Qual</u>	<u>Unit</u>
		<u>Limit</u>	<u>Limit</u>		
Total Kjeldahl Nitrogen	0.358	0.25	1	I	mg/L as N
Dilution Factor	1				
Prep By	ZD				
Prep Date/Time	08/04/2022 13:58				
Analyzed By	ZD				
Analysis Date/Time	08/08/2022 14:55				

The Water Spigot
 5806 East Hwy. 22 Panama City, FL 32404
 (850) 871-1900 F: (850) 871-9303
 NELAC Laboratory Certification: E81105

Client: City of Destin **Client Sample ID:** Destin Harbor #11A
Lab ID: WS22AUG01-031-005 **Collection Date:** 8/1/2022 11:20
Recv By: Ellen Peel **Matrix:** AQUEOUS-Other
Recv Dt: 8/1/2022 15:33 **Sampler:** Mike Bush

Analyses

Dissolved Oxygen (Field) **SM 4500-O G** **Batch: W-080322-004 Run: 1**

	Result	Detection Limit	Reporting Limit	Qual	Unit
Dissolved Oxygen	6.50	0	0		mg/L
Dilution Factor	1				
Analyzed By	Mike Bush				
Analysis Date/Time	08/01/2022 11:20				

Temperature, water (Field) **SM 2550 B** **Batch: W-080322-004 Run: 1**

	Result	Detection Limit	Reporting Limit	Qual	Unit
Temperature	32.5	0	0		Deg C
Analyzed By	Mike Bush				
Analysis Date/Time	08/01/2022 11:20				

Ammonia as N **EPA 350.1** **Batch: W-080222-008 Run: 1**

	Result	Detection Limit	Reporting Limit	Qual	Unit
Ammonia as N	0.05	0.05	0.25	U	mg/L as N
Dilution Factor	1				
Analyzed By	ZD				
Analysis Date/Time	08/09/2022 10:37				

Carb. Bicchemical Oxygen Demand (CBOD) 5 Day **SM 5210 B** **Batch: W-080922-002 Run: 1**

	Result	Detection Limit	Reporting Limit	Qual	Unit
Carbonaceous Biochemical Oxygen Demand	2	1	1		mg/L
Dilution Factor	1				
Prep By	LW				
Prep Date/Time	08/02/2022 12:20				
Analyzed By	LW				
Analysis Date/Time	08/02/2022 12:20				

Chloride **SM 4500-CL-E (2011)** **Batch: W-082422-013 Run: 1**

	Result	Detection Limit	Reporting Limit	Qual	Unit
Chloride	16000	1000	4000		mg/L

The Water Spigot
 5806 East Hwy. 22 Panama City, FL. 32404
 (850) 871-1900 F: (850) 871-9303
 NELAC Laboratory Certification: E81105

Client: City of Destin **Client Sample ID:** Destin Harbor #11A
Lab ID: WS22AUG01-031-005 **Collection Date:** 8/1/2022 11:20
Recv By: Ellen Peel **Matrix:** AQUEOUS-Other
Recv Dt: 8/1/2022 15:33 **Sampler:** Mike Bush

Analyses

Chloride **SM 4500-CL-E (2011)** **Batch: W-082422-013 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Dilution Factor	1000				
Prep By	cec				
Prep Date/Time	08/24/2022 09:00				
Analyzed By	cec				
Analysis Date/Time	08/24/2022 09:00				

Chlorophyll-A **SM 10200 H** **Batch: W-080222-003 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Chlorophyll-a	5.8	0.1	0.2		ug/L
Dilution Factor	1				
Prep By	MLJ				
Prep Date/Time	08/02/2022 10:56				
Analyzed By	MLJ				
Analysis Date/Time	08/19/2022 09:49				

Nitrate and Nitrite **EPA 353.2** **Batch: W-080822-012 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Nitrate/Nitrite as N	0.1	0.1	0.5	U	mg/L
Dilution Factor	1				
Prep By	cec				
Prep Date/Time	08/10/2022 11:30				
Analyzed By	cec				
Analysis Date/Time	08/10/2022 11:30				

Phosphorus, Total **EPA 365.1** **Batch: W-080422-005 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Phosphorus-total	0.12	0.12	0.6	U	mg/L
Dilution Factor	1				
Prep By	SJ				
Prep Date/Time	08/04/2022 07:00				
Analyzed By	SJ				

The Water Spigot
 5806 East Hwy. 22 Panama City, FL. 32404
 (850) 871-1900 F: (850) 871-9303
 NELAC Laboratory Certification: E81105

Client: City of Destin **Client Sample ID:** Destin Harbor #11A
Lab ID: WS22AUG01-031-005 **Collection Date:** 8/1/2022 11:20
Recv By: Ellen Peel **Matrix:** AQUEOUS-Other
Recv Dt: 8/1/2022 15:33 **Sampler:** Mike Bush

Analyses

Phosphorus, Total **EPA 365.1** **Batch: W-080422-005 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Analysis Date/Time	08/05/2022 13:00				

Total Kjeldahl Nitrogen **EPA 351.2** **Batch: W-080322-008 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Total Kjeldahl Nitrogen	0.340	0.25	1	I	mg/L as N
Dilution Factor	1				
Prep By	ZD				
Prep Date/Time	08/04/2022 13:58				
Analyzed By	ZD				
Analysis Date/Time	08/08/2022 14:55				

The Water Spigot
 5806 East Hwy. 22 Panama City, FL. 32404
 (850) 871-1900 F: (850) 871-9303
 NELAC Laboratory Certification: E81105

Client: City of Destin **Client Sample ID:** Destin Harbor #4B
Lab ID: WS22AUG01-031-006 **Collection Date:** 8/1/2022 11:08
Recv By: Ellen Peel **Matrix:** AQUEOUS-Other
Recv Dt: 8/1/2022 15:33 **Sampler:** Mike Bush

Analyses

Dissolved Oxygen (Field) **SM 4500-O G** **Batch: W-080322-004 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Dissolved Oxygen	5.76	0	0		mg/L
Dilution Factor	1				
Analyzed By	Mike Bush				
Analysis Date/Time	08/01/2022 11:08				

Temperature, water (Field) **SM 2550 B** **Batch: W-080322-004 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Temperature	31.5	0	0		Deg C
Analyzed By	Mike Bush				
Analysis Date/Time	08/01/2022 11:08				

Ammonia as N **EPA 350.1** **Batch: W-080422-026 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Ammonia as N	0.05	0.05	0.25	U	mg/L as N
Dilution Factor	1				
Analyzed By	ZD				
Analysis Date/Time	08/09/2022 10:37				

Carb. Biochemical Oxygen Demand (CBOD) 5 Day **SM 5210 B** **Batch: W-080922-002 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Carbonaceous Biochemical Oxygen Demand	2	1	1		mg/L
Dilution Factor	1				
Prep By	LW				
Prep Date/Time	08/02/2022 12:20				
Analyzed By	LW				
Analysis Date/Time	08/02/2022 12:20				

Chloride **SM 4500-CL-E (2011)** **Batch: W-082422-013 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Chloride	15000	1000	4000		mg/L

The Water Spigot
 5806 East Hwy. 22 Panama City, FL 32404
 (850) 871-1900 F: (850) 871-9303
 NELAC Laboratory Certification: E81105

Client: City of Destin **Client Sample ID:** Destin Harbor #4B
Lab ID: WS22AUG01-031-006 **Collection Date:** 8/1/2022 11:08
Recv By: Ellen Peel **Matrix:** AQUEOUS-Other
Recv Dt: 8/1/2022 15:33 **Sampler:** Mike Bush

Analyses

Chloride **SM 4500-CL-E (2011)** **Batch: W-082422-013 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Dilution Factor	1000				
Prep By	cec				
Prep Date/Time	08/24/2022 09:00				
Analyzed By	cec				
Analysis Date/Time	08/24/2022 09:00				

Chlorophyll-A **SM 10200 H** **Batch: W-080222-003 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Chlorophyll-a	2.7	0.1	0.2		ug/L
Dilution Factor	1				
Prep By	MLJ				
Prep Date/Time	08/02/2022 10:56				
Analyzed By	MLJ				
Analysis Date/Time	08/19/2022 09:49				

Nitrate and Nitrite **EPA 353.2** **Batch: W-080822-012 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Nitrate/Nitrite as N	0.1	0.1	0.5	U	mg/L
Dilution Factor	1				
Prep By	cec				
Prep Date/Time	08/10/2022 11:30				
Analyzed By	cec				
Analysis Date/Time	08/10/2022 11:30				

Phosphorus, Total **EPA 365.1** **Batch: W-080422-005 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Phosphorus-total	0.12	0.12	0.6	U	mg/L
Dilution Factor	1				
Prep By	SJ				
Prep Date/Time	08/04/2022 07:00				
Analyzed By	SJ				

The Water Spigot
 5806 East Hwy. 22 Panama City, FL. 32404
 (850) 871-1900 F: (850) 871-9303
 NELAC Laboratory Certification: E81105

Client: City of Destin **Client Sample ID:** Destin Harbor #4B
Lab ID: WS22AUG01-031-006 **Collection Date:** 8/1/2022 11:08
Recv Ey: Ellen Peel **Matrix:** AQUEOUS-Other
Recv Dt: 8/1/2022 15:33 **Sampler:** Mike Bush

Analyses

Phosphorus, Total **EPA 365.1** **Batch: W-080422-005 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Analysis Date/Time	08/05/2022 13:00				

Total Kjeldahl Nitrogen **EPA 351.2** **Batch: W-080322-008 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Total Kjeldahl Nitrogen	0.406	0.25	1	I	mg/L as N
Dilution Factor	1				
Prep By	ZD				
Prep Date/Time	08/04/2022 13:58				
Analyzed By	ZD				
Analysis Date/Time	08/08/2022 14:55				

The Water Spigot
 5806 East Hwy. 22 Panama City, FL. 32404
 (850) 871-1900 F: (850) 871-9303
 NELAC Laboratory Certification: E81105

Client: City of Destin **Client Sample ID:** Destin Harbor #6B
Lab ID: WS22AUG01-031-007 **Collection Date:** 8/1/2022 10:56
Recv By: Ellen Peel **Matrix:** AQUEOUS-Other
Recv Dt: 8/1/2022 15:33 **Sampler:** Mike Bush

Analyses

Dissolved Oxygen (Field) **SM 4500-O G** **Batch: W-080322-004 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Dissolved Oxygen	5.63	0	0		mg/L
Dilution Factor	1				
Analyzed By	Mike Bush				
Analysis Date/Time	08/01/2022 10:56				

Temperature, water (Field) **SM 2550 B** **Batch: W-080322-004 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Temperature	31.8	0	0		Deg C
Analyzed By	Mike Bush				
Analysis Date/Time	08/01/2022 10:56				

Ammonia as N **EPA 350.1** **Batch: W-080422-026 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Ammonia as N	0.05	0.05	0.25	U	mg/L as N
Dilution Factor	1				
Analyzed By	ZD				
Analysis Date/Time	08/09/2022 10:37				

Carb. Biochemical Oxygen Demand (CBOD) 5 Day **SM 5210 B** **Batch: W-080922-002 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Carbonaceous Biochemical Oxygen Demand	1.7	1	1		mg/L
Dilution Factor	1				
Prep By	LW				
Prep Date/Time	08/02/2022 12:20				
Analyzed By	LW				
Analysis Date/Time	08/02/2022 12:20				

Chloride **SM 4500-CL-E (2011)** **Batch: W-082422-013 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Chloride	16000	1000	4000		mg/L

The Water Spigot
 5806 East Hwy. 22 Panama City, FL. 32404
 (850) 871-1900 F: (850) 871-9303
 NELAC Laboratory Certification: E81105

Client: City of Destin **Client Sample ID:** Destin Harbor #6B
Lab ID: WS22AUG01-031-007 **Collection Date:** 8/1/2022 10:56
Recv By: Ellen Peel **Matrix:** AQUEOUS-Other
Recv Dt: 8/1/2022 15:33 **Sampler:** Mike Bush

Analyses

Chloride **SM 4500-CL-E (2011)** **Batch: W-082422-013 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Dilution Factor	1000				
Prep By	cec				
Prep Date/Time	08/24/2022 09:00				
Analyzed By	cec				
Analysis Date/Time	08/24/2022 09:00				

Chlorophyll-A **SM 10200 H** **Batch: W-080222-003 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Chlorophyll-a	3.3	0.1	0.2		ug/L
Dilution Factor	1				
Prep By	MLJ				
Prep Date/Time	08/02/2022 10:56				
Analyzed By	MLJ				
Analysis Date/Time	08/19/2022 09:49				

Nitrate and Nitrite **EPA 353.2** **Batch: W-080822-012 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Nitrate/Nitrite as N	0.1	0.1	0.5	U	mg/L
Dilution Factor	1				
Prep By	cec				
Prep Date/Time	08/10/2022 11:30				
Analyzed By	cec				
Analysis Date/Time	08/10/2022 11:30				

Phosphorus, Total **EPA 365.1** **Batch: W-080422-005 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Phosphorus-total	0.12	0.12	0.6	U	mg/L
Dilution Factor	1				
Prep By	SJ				
Prep Date/Time	08/04/2022 07:00				
Analyzed By	SJ				

The Water Spigot
 5806 East Hwy. 22 Panama City, FL. 32404
 (850) 871-1900 F: (850) 871-9303
 NELAC Laboratory Certification: E81105

Client: City of Destin	Client Sample ID: Destin Harbor #6B
Lab ID: WS22AUG01-031-007	Collection Date: 8/1/2022 10:56
Recv By: Ellen Peel	Matrix: AQUEOUS-Other
Recv Dt: 8/1/2022 15:33	Sampler: Mike Bush

Analyses

Phosphorus, Total	EPA 365.1	Batch: W-080422-005	Run: 1
	<u>Result</u>	<u>Detection</u>	<u>Reporting</u>
		<u>Limit</u>	<u>Limit</u>
Analysis Date/Time	08/05/2022 13:00		
		<u>Qual</u>	<u>Unit</u>

Total Kjeldahl Nitrogen	EPA 351.2	Batch: W-080322-008	Run: 1
	<u>Result</u>	<u>Detection</u>	<u>Reporting</u>
		<u>Limit</u>	<u>Limit</u>
Total Kjeldahl Nitrogen	0.25	0.25	1
Dilution Factor	1		
Prep By	ZD		
Prep Date/Time	08/04/2022 13:58		
Analyzed By	ZD		
Analysis Date/Time	08/08/2022 14:55		
		<u>Qual</u>	<u>Unit</u>
		U	mg/L as N

The Water Spigot
 5806 East Hwy. 22 Panama City, FL 32404
 (850) 871-1900 F: (850) 871-9303
 NELAC Laboratory Certification: E81105

Client: City of Destin **Client Sample ID:** Destin Harbor #7
Lab ID: WS22AUG01-031-008 **Collection Date:** 8/1/2022 10:40
Recv By: Ellen Peel **Matrix:** AQUEOUS-Other
Recv Dt: 8/1/2022 15:33 **Sampler:** Mike Bush

Analyses

Dissolved Oxygen (Field) **SM 4500-O G** **Batch: W-080322-004 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Dissolved Oxygen	5.68	0	0		mg/L
Dilution Factor	1				
Analyzed By	Mike Bush				
Analysis Date/Time	08/01/2022 10:40				

Temperature, water (Field) **SM 2550 B** **Batch: W-080322-004 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Temperature	31.4	0	0		Deg C
Analyzed By	Mike Bush				
Analysis Date/Time	08/01/2022 10:40				

Ammonia as N **EPA 350.1** **Batch: W-080422-026 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Ammonia as N	0.05	0.05	0.25	U	mg/L as N
Dilution Factor	1				
Analyzed By	ZD				
Analysis Date/Time	08/09/2022 10:37				

Carb. Biochemical Oxygen Demand (CBOD) 5 Day **SM 5210 B** **Batch: W-080922-002 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Carbonaceous Biochemical Oxygen Demand	1.8	1	1		mg/L
Dilution Factor	1				
Prep By	LW				
Prep Date/Time	08/02/2022 12:20				
Analyzed By	LW				
Analysis Date/Time	08/02/2022 12:20				

Chloride **SM 4500-CL-E (2011)** **Batch: W-082422-013 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Chloride	17000	1000	4000		mg/L

The Water Spigot
 5806 East Hwy. 22 Panama City, FL. 32404
 (850) 871-1900 F: (850) 871-9303
 NELAC Laboratory Certification: E81105

Client: City of Destin **Client Sample ID:** Destin Harbor #7
Lab ID: WS22AUG01-031-008 **Collection Date:** 8/1/2022 10:40
Recv By: Ellen Peel **Matrix:** AQUEOUS-Other
Recv Dt: 8/1/2022 15:33 **Sampler:** Mike Bush

Analyses

Chloride **SM 4500-CL-E (2011)** **Batch: W-082422-013 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Dilution Factor	1000				
Prep By	cec				
Prep Date/Time	08/24/2022 09:00				
Analyzed By	cec				
Analysis Date/Time	08/24/2022 09:00				

Chlorophyll-A **SM 10200 H** **Batch: W-080222-003 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Chlorophyll-a	2.5	0.1	0.2		ug/L
Dilution Factor	1				
Prep By	MLJ				
Prep Date/Time	08/02/2022 10:56				
Analyzed By	MLJ				
Analysis Date/Time	08/19/2022 09:49				

Nitrate and Nitrite **EPA 353.2** **Batch: W-080822-012 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Nitrate/Nitrite as N	0.1	0.1	0.5	U	mg/L
Dilution Factor	1				
Prep By	cec				
Prep Date/Time	08/10/2022 11:30				
Analyzed By	cec				
Analysis Date/Time	08/10/2022 11:30				

Phosphorus, Total **EPA 365.1** **Batch: W-080422-005 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Phosphorus-total	0.12	0.12	0.6	U	mg/L
Dilution Factor	1				
Prep By	SJ				
Prep Date/Time	08/04/2022 07:00				
Analyzed By	SJ				

The Water Spigot
 5806 East Hwy. 22 Panama City, FL. 32404
 (850) 871-1900 F: (850) 871-9303
 NELAC Laboratory Certification: E81105

Client: City of Destin **Client Sample ID:** Destin Harbor #7
Lab ID: WS22AUG01-031-008 **Collection Date:** 8/1/2022 10:40
Recv By: Ellen Peel **Matrix:** AQUEOUS-Other
Recv Dt: 8/1/2022 15:33 **Sampler:** Mike Bush

Analyses

Phosphorus, Total **EPA 365.1** **Batch: W-080422-005** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Analysis Date/Time	08/05/2022 13:00				

Total Kjeldahl Nitrogen **EPA 351.2** **Batch: W-080322-008** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Total Kjeldahl Nitrogen	0.25	0.25	1	U	mg/L as N
Dilution Factor	1				
Prep By	ZD				
Prep Date/Time	08/04/2022 13:58				
Analyzed By	ZD				
Analysis Date/Time	08/08/2022 14:55				

The Water Spigot
 5806 East Hwy. 22 Panama City, FL. 32404
 (850) 871-1900 F: (850) 871-9303
 NELAC Laboratory Certification: E81105

Data Qualifier	Qualifier Definition
B	Results based upon colony counts outside the acceptable range. Applies to microbiological tests and specifically to membrane filter colony counts. It is to be used if the colony count is generated from a plate in which the total number of colonies is outside the method indicated ideal range.
D	Measurement was made in the field.
E	Extra samples were taken at composite stations
G	Analyte was detected in both the sample and the associated field, equipment, or trip blank.
H	Value based on field kit determination; results may not be accurate.
I	The reported value is between the laboratory MDL and the laboratory PQL.
J	This qualifier is used when a QC sample does not meet the requirements in the method (ie: duplicate, spike, or control). There will always be a comment explained in the details. Laboratory does not feel that the sample results are compromised.
K	Off-scale low. Actual value is known to be less than the value given.
L	Off-scale high. Actual value is known to be greater than value given.
M	Chemical Analysis: Presence of material is verified but not quantified; the actual value is less than the value given. The reported value shall be the laboratory practical quantitation limit. Species: Male sex
N	Presumptive evidence of presence of material
C	Sampled, but analysis was lost during sample preparation or sample analysis
G	Sample is either received or analyzed after the holding time. An explanation will be included if the laboratory is at fault.
R	Significant rain in the past 48 hours.
S	Secchi disk visible to bottom of waterbody. The value reported is the depth of the waterbody at the location of the Secchi disk measurement.
T	Value reported is less than the laboratory method detection limit. The value is reported for informational purposes, only and shall not be used in statistical analysis.
U	Compound was analyzed for but not detected.
V	Analyte was detected in both the sample and the associated method blank.
Y	Laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
Z	Too many colonies were present for accurate counting (TNTC), the numeric value shall be estimated from the highest dilution factor (smallest sample volume) used for the test and reported with the qualifier code.
?	Data is rejected and should not be used. Some or all of the quality control data for the analyte were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
*	Not analyzed due to interference.
!	Data deviates from historically established concentration ranges.
•	Not analyzed due to high chlorine content or matrix interference

For more detailed information see: Florida Administrative Code rule chapter 62-160 Table 62-160.700.
 History—New 1-1-91, Amended 2-4-93, 2-27-94, Formerly 17-160.700, Amended 3-24-96, 4-9-02, 6-8-04, 12-3-08, 7-30-14.

The Water Spigot
 5806 East Hwy. 22 Panama City, FL 32404
 (850) 871-1900 F: (850) 871-9303
 NELAC Laboratory Certification: E81105

The Water Spigot
 5806 E. Hwy. 22 * Panama City, FL 32404
 (850) 871-1900 * Fax (850) 871-9303
 Email: trish@thewaterspigit.com

CHAIN OF CUSTODY RECORD

119499
 AUG01-021

Company Name / Plant The Water Spigot		Project Name DISTRIBUTION WATER QUALITY	Sample # 20080122-8072					
Company Address 5806 East Hwy. 22 Panama City, FL 32404		Lab Dispose <input type="checkbox"/> Return to Client <input type="checkbox"/> Other <input type="checkbox"/>	Container # 20080122-8072					
City, State, Zip Panama City, FL 32404		Check If Rush	Special Instructions					
Send Report To:		P.O. #						
Copy To DEP / DOH (circle one) Yes <input type="checkbox"/> No <input type="checkbox"/>		Field Data						
Email Address:		Preservative Codes A - Ammonium Chloride C - Cool Only H - Hydrochloric Acid M - Monochloroacetic Acid N - Nitric Acid OH - Sodium Hydroxide S - Sulfuric Acid T - Sodium Thiosulfate Z - Zinc Acetate						
Sampling	Type	Matrix	Sample Site (Be Specific)	Date	Time	Temp	Cl2	pH
	C o l l e c t i o n	G l a s s						
12/15	✓	✓	1A	12/15	11:00	22.6		
12/15	✓	✓	1C	12/15	11:00	22.6		
12/15	✓	✓	1B	12/15	11:00	22.6		
12/15	✓	✓	1D	12/15	11:00	22.6		
12/15	✓	✓	1E	12/15	11:00	22.6		
12/15	✓	✓	1F	12/15	11:00	22.6		
12/15	✓	✓	1G	12/15	11:00	22.6		
12/15	✓	✓	1H	12/15	11:00	22.6		
12/15	✓	✓	1I	12/15	11:00	22.6		
12/15	✓	✓	1J	12/15	11:00	22.6		
12/15	✓	✓	1K	12/15	11:00	22.6		
12/15	✓	✓	1L	12/15	11:00	22.6		
12/15	✓	✓	1M	12/15	11:00	22.6		
12/15	✓	✓	1N	12/15	11:00	22.6		
12/15	✓	✓	1O	12/15	11:00	22.6		
12/15	✓	✓	1P	12/15	11:00	22.6		
12/15	✓	✓	1Q	12/15	11:00	22.6		
12/15	✓	✓	1R	12/15	11:00	22.6		
12/15	✓	✓	1S	12/15	11:00	22.6		
12/15	✓	✓	1T	12/15	11:00	22.6		
12/15	✓	✓	1U	12/15	11:00	22.6		
12/15	✓	✓	1V	12/15	11:00	22.6		
12/15	✓	✓	1W	12/15	11:00	22.6		
12/15	✓	✓	1X	12/15	11:00	22.6		
12/15	✓	✓	1Y	12/15	11:00	22.6		
12/15	✓	✓	1Z	12/15	11:00	22.6		
12/15	✓	✓	1AA	12/15	11:00	22.6		
12/15	✓	✓	1AB	12/15	11:00	22.6		
12/15	✓	✓	1AC	12/15	11:00	22.6		
12/15	✓	✓	1AD	12/15	11:00	22.6		
12/15	✓	✓	1AE	12/15	11:00	22.6		
12/15	✓	✓	1AF	12/15	11:00	22.6		
12/15	✓	✓	1AG	12/15	11:00	22.6		
12/15	✓	✓	1AH	12/15	11:00	22.6		
12/15	✓	✓	1AI	12/15	11:00	22.6		
12/15	✓	✓	1AJ	12/15	11:00	22.6		
12/15	✓	✓	1AK	12/15	11:00	22.6		
12/15	✓	✓	1AL	12/15	11:00	22.6		
12/15	✓	✓	1AM	12/15	11:00	22.6		
12/15	✓	✓	1AN	12/15	11:00	22.6		
12/15	✓	✓	1AO	12/15	11:00	22.6		
12/15	✓	✓	1AP	12/15	11:00	22.6		
12/15	✓	✓	1AQ	12/15	11:00	22.6		
12/15	✓	✓	1AR	12/15	11:00	22.6		
12/15	✓	✓	1AS	12/15	11:00	22.6		
12/15	✓	✓	1AT	12/15	11:00	22.6		
12/15	✓	✓	1AU	12/15	11:00	22.6		
12/15	✓	✓	1AV	12/15	11:00	22.6		
12/15	✓	✓	1AW	12/15	11:00	22.6		
12/15	✓	✓	1AX	12/15	11:00	22.6		
12/15	✓	✓	1AY	12/15	11:00	22.6		
12/15	✓	✓	1AZ	12/15	11:00	22.6		
12/15	✓	✓	1BA	12/15	11:00	22.6		
12/15	✓	✓	1BB	12/15	11:00	22.6		
12/15	✓	✓	1BC	12/15	11:00	22.6		
12/15	✓	✓	1BD	12/15	11:00	22.6		
12/15	✓	✓	1BE	12/15	11:00	22.6		
12/15	✓	✓	1BF	12/15	11:00	22.6		
12/15	✓	✓	1BG	12/15	11:00	22.6		
12/15	✓	✓	1BH	12/15	11:00	22.6		
12/15	✓	✓	1BI	12/15	11:00	22.6		
12/15	✓	✓	1BJ	12/15	11:00	22.6		
12/15	✓	✓	1BK	12/15	11:00	22.6		
12/15	✓	✓	1BL	12/15	11:00	22.6		
12/15	✓	✓	1BM	12/15	11:00	22.6		
12/15	✓	✓	1BN	12/15	11:00	22.6		
12/15	✓	✓	1BO	12/15	11:00	22.6		
12/15	✓	✓	1BP	12/15	11:00	22.6		
12/15	✓	✓	1BQ	12/15	11:00	22.6		
12/15	✓	✓	1BR	12/15	11:00	22.6		
12/15	✓	✓	1BS	12/15	11:00	22.6		
12/15	✓	✓	1BT	12/15	11:00	22.6		
12/15	✓	✓	1BU	12/15	11:00	22.6		
12/15	✓	✓	1BV	12/15	11:00	22.6		
12/15	✓	✓	1BW	12/15	11:00	22.6		
12/15	✓	✓	1BX	12/15	11:00	22.6		
12/15	✓	✓	1BY	12/15	11:00	22.6		
12/15	✓	✓	1BZ	12/15	11:00	22.6		
12/15	✓	✓	1CA	12/15	11:00	22.6		
12/15	✓	✓	1CB	12/15	11:00	22.6		
12/15	✓	✓	1CC	12/15	11:00	22.6		
12/15	✓	✓	1CD	12/15	11:00	22.6		
12/15	✓	✓	1CE	12/15	11:00	22.6		
12/15	✓	✓	1CF	12/15	11:00	22.6		
12/15	✓	✓	1CG	12/15	11:00	22.6		
12/15	✓	✓	1CH	12/15	11:00	22.6		
12/15	✓	✓	1CI	12/15	11:00	22.6		
12/15	✓	✓	1CJ	12/15	11:00	22.6		
12/15	✓	✓	1CK	12/15	11:00	22.6		
12/15	✓	✓	1CL	12/15	11:00	22.6		
12/15	✓	✓	1CM	12/15	11:00	22.6		
12/15	✓	✓	1CN	12/15	11:00	22.6		
12/15	✓	✓	1CO	12/15	11:00	22.6		
12/15	✓	✓	1CP	12/15	11:00	22.6		
12/15	✓	✓	1CQ	12/15	11:00	22.6		
12/15	✓	✓	1CR	12/15	11:00	22.6		
12/15	✓	✓	1CS	12/15	11:00	22.6		
12/15	✓	✓	1CT	12/15	11:00	22.6		
12/15	✓	✓	1CU	12/15	11:00	22.6		
12/15	✓	✓	1CV	12/15	11:00	22.6		
12/15	✓	✓	1CW	12/15	11:00	22.6		
12/15	✓	✓	1CX	12/15	11:00	22.6		
12/15	✓	✓	1CY	12/15	11:00	22.6		
12/15	✓	✓	1CZ	12/15	11:00	22.6		
12/15	✓	✓	1DA	12/15	11:00	22.6		
12/15	✓	✓	1DB	12/15	11:00	22.6		
12/15	✓	✓	1DC	12/15	11:00	22.6		
12/15	✓	✓	1DD	12/15	11:00	22.6		
12/15	✓	✓	1DE	12/15	11:00	22.6		
12/15	✓	✓	1DF	12/15	11:00	22.6		
12/15	✓	✓	1DG	12/15	11:00	22.6		
12/15	✓	✓	1DH	12/15	11:00	22.6		
12/15	✓	✓	1DI	12/15	11:00	22.6		
12/15	✓	✓	1DJ	12/15	11:00	22.6		
12/15	✓	✓	1DK	12/15	11:00	22.6		
12/15	✓	✓	1DL	12/15	11:00	22.6		
12/15	✓	✓	1DM	12/15	11:00	22.6		
12/15	✓	✓	1DN	12/15	11:00	22.6		
12/15	✓	✓	1DO	12/15	11:00	22.6		
12/15	✓	✓	1DP	12/15	11:00	22.6		
12/15	✓	✓	1DQ	12/15	11:00	22.6		
12/15	✓	✓	1DR	12/15	11:00	22.6		
12/15	✓	✓	1DS	12/15	11:00	22.6		
12/15	✓	✓	1DT	12/15	11:00	22.6		
12/15	✓	✓	1DU	12/15	11:00	22.6		
12/15	✓	✓	1DV	12/15	11:00	22.6		
12/15	✓	✓	1DW	12/15	11:00	22.6		
12/15	✓	✓	1DX	12/15	11:00	22.6		
12/15	✓	✓	1DY	12/15	11:00	22.6		
12/15	✓	✓	1DZ	12/15	11:00	22.6		
12/15	✓	✓	1EA	12/15	11:00	22.6		
12/15	✓	✓	1EB	12/15	11:00	22.6		
12/15	✓	✓	1EC	12/15	11:00	22.6		
12/15	✓	✓	1ED	12/15	11:00	22.6		
12/15	✓	✓	1EE	12/15	11:00	22.6		
12/15	✓	✓	1EF	12/15	11:00	22.6		
12/15	✓	✓	1EG	12/15	11:00	22.6		
12/15	✓	✓	1EH	12/15	11:00	22.6		
12/15	✓	✓	1EI	12/15	11:00	22.6		
12/15	✓	✓	1EJ</					

The water Spigot

5806 E. Hwy. 22 * Panama City, FL 32404
 (850) 871-1900 * Fax (850) 871-9303
 Email: trish@thewaterspigit.com

119499

Aug 01-031 X

CHAIN OF CUSTODY RECORD

Company Name / Plant <i>City of Destin</i>		Project Name <i>DESTIN Harbor - QUANTITY</i>		Sample # <i>580132-60/92</i>					
Company Address		Lab Dispose <input type="checkbox"/> Return to Client <input type="checkbox"/> Other <input type="checkbox"/>		Container #					
City, State, Zip		Send Report To:		Check If Rush					
Copy To DEP / DOH (circle one)		Phone #:		Special Instructions					
Yes <input type="checkbox"/> No <input type="checkbox"/>		P.O. #							
Email Address:		Analysis Requested							
Sampling	Date	Time	Type	Matrix		Sample Site (Be Specific)	Field Data	Preservative Codes	
				C o m p	W a t e r				
	8-1-22	1225				1A	Temp. CL2 pH	A - Ammonium Chloride	
		1215				1C		C - Cool Only	
		1205				2		H - Hydrochloric Acid	
		1116				12A		M - Monochloroacetic Acid	
		1120				11A		N - Nitric Acid	
		1108				4B		OH - Sodium Hydroxide	
		1056				6B		S - Sulfuric Acid	
		1010				7		T - Sodium Thiosulfate	
								Z - Zinc Acetate	
								Container Codes	
								V - VOA vial	
								G - glass	
								P - plastic	
								M - micro bag/cup	
								O - Other	
Relinquished By		Date / Time		Date / Time		Date / Time		Date / Time	
Relinquished By		Date / Time		Date / Time		Date / Time		Date / Time	
Relinquished By		Date / Time		Date / Time		Date / Time		Date / Time	
Shipped VIA		Date / Time		Date / Time		Date / Time		Date / Time	
Remarks		Temp. Received in Lab: Measured		Temp. Received in Lab: Corrected		Temp. Received in Lab: Measured		Temp. Received in Lab: Corrected	

Analytical Services Corporation



NELAP Laboratory Certification # E81384

921 Hospital Drive

Niceville, Florida 32578

(850) 678-5313 * FAX (850) 678-5063



Certificate of Analysis

Client Report For: City of Destin
Attention: David Bazylak
Client Address: 4200 Indian Bayou Trail
Destin, FL 32541

Report Date: April 12, 2021
LAB ID: AS21MAR22-001

Comment:

These test results meet all NELAC requirements for those parameters which require accreditation. Any exceptions or deviations from NELAC protocol are noted in this report. Any samples collected by Analytical Services Corporation personnel are done according to the latest revision of SOP-001/01. Any questions concerning this report should be directed to the person signing this report at (850) 678-5313, Analytical Services Corporation, 921 Hospital Drive, Niceville, Florida 32578. The test results in this report relate only to those specific samples listed.

A statement of estimated uncertainty of test results is available on request. Analyses performed in the field are not regulated by the NELAC standards

Results for solid sample are calculated and reported on a dry weight basis unless otherwise noted.

Results contained within this report relate only to the samples referenced in this report.

This report may not be reproduced except in full with written approval from the laboratory.

DESTIN HARBOR 2ND QUARTER

Approved By: Trish Jackson
Trish Jackson, President

Date: 04/12/21

Client: City of Destin
Lab ID: AS21MAR22-001-001
Recv By: Gabrielle Johnson
Recv Dt: 3/22/2021 12:30 PM

Client Sample ID: 1A
Collection Date: 3/22/2021 9:28 AM
Matrix: AQUEOUS-Saline
Sampler: GJ/RG

Analyses

Dissolved Oxygen (Field)

SM 4500-O G

Batch: Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Dissolved Oxygen	9.62	0	0		mg/L

Salinity (Field)

SM 2520 B

Batch: Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Salinity	19.73	1	2		ppt

Temperature, water (Field)

SM 2550 B

Batch: Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Temperature	20.0	0	0		Deg C

Fecal Coliforms

SM 9221 E

Batch: A-032921-006

Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Fecal Coliforms	110	1.8	1.8		MPN/100 mL
Analyzed By	AH				
Analysis Date/Time	03/22/21 14:20				

Total Coliforms

SM 9221 B

Batch: A-032921-007

Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Total Coliforms	1600	1.8	1.8		MPN/100 mL
Dilution Factor	1				
Analyzed By	AH				
Analysis Date/Time	03/22/21 14:20				

Ammonia as N

EPA 350.1

Batch: A-040821-003

Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Lab_Cert_Number	E81105				
Ammonia as N	0.05	0.05	0.25	U	mg/L as N
Dilution Factor	1				
Analyzed By	ZD				
Analysis Date/Time	04/05/21 14:26				

Chloride

SM 4500-CL-E

Batch: A-040821-007

Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Chloride	10000	1000	4000		mg/L

Client: City of Destin
Lab ID: AS21MAR22-001-001
Recv By: Gabrielle Johnson
Recv Dt: 3/22/2021 12:30 PM

Client Sample ID: 1A
Collection Date: 3/22/2021 9:28 AM
Matrix: AQUEOUS-Saline
Sampler: GJ/RG

Analyses

Chloride	SM 4500-CL-E	Batch: A-040821-007		Run: 1
	<u>Result</u>	<u>Detection</u>	<u>Reporting</u>	<u>Qual</u>
		<u>Limit</u>	<u>Limit</u>	<u>Unit</u>
Dilution Factor	1000			
Analyzed By	KCB			
Analysis Date/Time	03/23/21 13:00			

Chlorophyll-A	SM 10200 H	Batch: A-040821-009		Run: 1
	<u>Result</u>	<u>Detection</u>	<u>Reporting</u>	<u>Qual</u>
		<u>Limit</u>	<u>Limit</u>	<u>Unit</u>
Chlorophyll-a	4.8	0.1	0.2	ug/L
Dilution Factor	1			
Analyzed By	MLJ			
Analysis Date/Time	04/06/21 09:55			
Lab_Cert_Number	E81105			

Nitrate and Nitrite	EPA 353.2	Batch: A-040821-016		Run: 1
	<u>Result</u>	<u>Detection</u>	<u>Reporting</u>	<u>Qual</u>
		<u>Limit</u>	<u>Limit</u>	<u>Unit</u>
Lab_Cert_Number	E81105			
Nitrate/Nitrite as N	0.1	0.1	0.5	U mg/L
Dilution Factor	1			
Analyzed By	CEC			
Analysis Date/Time	03/31/21 09:57			

Phosphorus, Total	EPA 365.1	Batch: Run: 1		
	<u>Result</u>	<u>Detection</u>	<u>Reporting</u>	<u>Qual</u>
		<u>Limit</u>	<u>Limit</u>	<u>Unit</u>
Lab_Cert_Number	E81105			
Phosphorus-total	0.003	0.003	0.015	U mg/L
Dilution Factor	1			
Analyzed By	KCB			
Analysis Date/Time	04/09/21 13:30			

Total Kjeldahl Nitrogen	EPA 351.2	Batch: A-040821-021		Run: 1
	<u>Result</u>	<u>Detection</u>	<u>Reporting</u>	<u>Qual</u>
		<u>Limit</u>	<u>Limit</u>	<u>Unit</u>
Lab_Cert_Number	E81105			
Total Kjeldahl Nitrogen	0.97	0.2	1	I mg/L as N
Dilution Factor	1			
Analyzed By	ZD			
Analysis Date/Time	03/31/21 13:19			

Analytical Services Corporation
 921 Hospital Drive, Niceville Florida 32578
 (850) 678-5313 F: (850) 678-5063

Client: City of Destin
Lab ID: AS21MAR22-001-001
Recv By: Gabrielle Johnson
Recv Dt: 3/22/2021 12:30 PM

Client Sample ID: 1A
Collection Date: 3/22/2021 9:28 AM
Matrix: AQUEOUS-Saline
Sampler: GJ/RG

Analyses

Carb. Biochemical Oxygen Demand (CBOD) 5 Day

SM 5210 B

Batch: A-040821-029 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Carbonaceous Biochemical Oxygen Demand	2.1	1	2		mg/L
Dilution Factor	1				
Analyzed By	AH				
Analysis Date/Time	03/23/21 14:00				

Nitrite as N

SM 4500-NO2 B

Batch: A-032621-005 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Nitrite as N	0.004	0.004	0.02	U	mg/L
Dilution Factor	1				
Analyzed By	GJ				
Analysis Date/Time	03/24/21 09:15				

Client: City of Destin
Lab ID: AS21MAR22-001-002
Recv By: Gabrielle Johnson
Recv Dt: 3/22/2021 12:30 PM

Client Sample ID: 1C
Collection Date: 3/22/2021 9:45 AM
Matrix: AQUEOUS-Saline
Sampler: GJ/RG

Analyses

<i>Dissolved Oxygen (Field)</i>	<i>SM 4500-O G</i>	<i>Batch: Run: 1</i>		
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
Dissolved Oxygen	10.91	0	0	mg/L

<i>Salinity (Field)</i>	<i>SM 2520 B</i>	<i>Batch: Run: 1</i>		
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
Salinity	24.67	1	2	ppt

<i>Temperature, water (Field)</i>	<i>SM 2550 B</i>	<i>Batch: Run: 1</i>		
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
Temperature	19.0	0	0	Deg C

<i>Fecal Coliforms</i>	<i>SM 9221 E</i>	<i>Batch: A-032921-006</i>			<i>Run: 1</i>
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Fecal Coliforms	22	1.8	1.8		MPN/100 mL
Analyzed By	AH				
Analysis Date/Time	03/22/21 14:20				

<i>Total Coliforms</i>	<i>SM 9221 B</i>	<i>Batch: A-032921-007</i>			<i>Run: 1</i>
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Total Coliforms	540	1.8	1.8		MPN/100 mL
Dilution Factor	1				
Analyzed By	AH				
Analysis Date/Time	03/22/21 14:20				

<i>Ammonia as N</i>	<i>EPA 350.1</i>	<i>Batch: A-040821-003</i>			<i>Run: 1</i>
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Lab_Cert_Number	E81105				
Ammonia as N	0.05	0.05	0.25	U	mg/L as N
Dilution Factor	1				
Analyzed By	ZD				
Analysis Date/Time	04/05/21 14:26				

<i>Chloride</i>	<i>SM 4500-CL-E</i>	<i>Batch: A-040821-007</i>			<i>Run: 1</i>
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Chloride	10000	1000	4000		mg/L
Dilution Factor	1000				

Analytical Services Corporation
 921 Hospital Drive, Niceville Florida 32578
 (850) 678-5313 F: (850) 678-5063

Client: City of Destin
Lab ID: AS21MAR22-001-002
Recv By: Gabrielle Johnson
Recv Dt: 3/22/2021 12:30 PM

Client Sample ID: 1C
Collection Date: 3/22/2021 9:45 AM
Matrix: AQUEOUS-Saline
Sampler: GJ/RG

Analyses

Chloride **SM 4500-CL-E** **Batch: A-040821-007** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Analyzed By	KCB				
Analysis Date/Time	03/23/21 13:00				

Chlorophyll-A **SM 10200 H** **Batch: A-040821-009** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Chlorophyll-a	3.6	0.1	0.2		ug/L
Dilution Factor	1				
Analyzed By	MLJ				
Analysis Date/Time	04/06/21 09:55				
Lab_Cert_Number	E81105				

Nitrate and Nitrite **EPA 353.2** **Batch: A-040821-016** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Lab_Cert_Number	E81105				
Nitrate/Nitrite as N	0.1	0.1	0.5	U	mg/L
Dilution Factor	1				
Analyzed By	CEC				
Analysis Date/Time	03/31/21 09:57				

Phosphorus, Total **EPA 365.1** **Batch: A-040821-021** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Lab_Cert_Number	E81105				
Phosphorus-total	0.003	0.003	0.015	U	mg/L
Dilution Factor	1				
Analyzed By	KCB				
Analysis Date/Time	04/09/21 13:30				

Total Kjeldahl Nitrogen **EPA 351.2** **Batch: A-040821-021** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Lab_Cert_Number	E81105				
Total Kjeldahl Nitrogen	0.34	0.2	1	I	mg/L as N
Dilution Factor	1				
Analyzed By	ZD				
Analysis Date/Time	03/31/21 13:19				

Analytical Services Corporation
 921 Hospital Drive, Niceville Florida 32578
 (850) 678-5313 F: (850) 678-5063

Client: City of Destin
Lab ID: AS21MAR22-001-002
Recv By: Gabrielle Johnson
Recv Dt: 3/22/2021 12:30 PM

Client Sample ID: 1C
Collection Date: 3/22/2021 9:45 AM
Matrix: AQUEOUS-Saline
Sampler: GJ/RG

Analyses

Carb. Biochemical Oxygen Demand (CBOD) 5 Day

SM 5210 B

Batch: A-040821-029 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Carbonaceous Biochemical Oxygen Demand	1	1	2	U	mg/L
Dilution Factor	1				
Analyzed By	AH				
Analysis Date/Time	03/23/21 14:00				

Nitrite as N

SM 4500-NO2 B

Batch: A-032621-005 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Nitrite as N	0.004	0.004	0.02	U	mg/L
Dilution Factor	1				
Analyzed By	GJ				
Analysis Date/Time	03/24/21 09:15				

Client: City of Destin
Lab ID: AS21MAR22-001-003
Recv By: Gabrielle Johnson
Recv Dt: 3/22/2021 12:30 PM

Client Sample ID: 2
Collection Date: 3/22/2021 9:56 AM
Matrix: AQUEOUS-Saline
Sampler: GJ/RG

Analyses

<i>Dissolved Oxygen (Field)</i>	<i>SM 4500-O G</i>	<i>Batch: Run: 1</i>		
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
Dissolved Oxygen	10.54	0	0	mg/L

<i>Salinity (Field)</i>	<i>SM 2520 B</i>	<i>Batch: Run: 1</i>		
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
Salinity	23.37	1	2	ppt

<i>Temperature, water (Field)</i>	<i>SM 2550 B</i>	<i>Batch: Run: 1</i>		
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
Temperature	19.0	0	0	Deg C

<i>Fecal Coliforms</i>	<i>SM 9221 E</i>	<i>Batch: A-032921-006 Run: 1</i>		
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
Fecal Coliforms	13	1.8	1.8	MPN/100 mL
Analyzed By	AH			
Analysis Date/Time	03/22/21 14:20			

<i>Total Coliforms</i>	<i>SM 9221 B</i>	<i>Batch: A-032921-007 Run: 1</i>		
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
Total Coliforms	240	1.8	1.8	MPN/100 mL
Dilution Factor	1			
Analyzed By	AH			
Analysis Date/Time	03/22/21 14:20			

<i>Ammonia as N</i>	<i>EPA 350.1</i>	<i>Batch: A-040821-003 Run: 1</i>		
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
Lab_Cert_Number	E81105			
Ammonia as N	0.05	0.05	0.25	U mg/L as N
Dilution Factor	1			
Analyzed By	ZD			
Analysis Date/Time	04/05/21 14:26			

<i>Chloride</i>	<i>SM 4500-CL-E</i>	<i>Batch: A-040821-007 Run: 1</i>		
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
Chloride	11000	1000	4000	mg/L
Dilution Factor	1000			

Analytical Services Corporation
 921 Hospital Drive, Niceville Florida 32578
 (850) 678-5313 F: (850) 678-5063

Client: City of Destin
Lab ID: AS21MAR22-001-003
Recv By: Gabrielle Johnson
Recv Dt: 3/22/2021 12:30 PM

Client Sample ID: 2
Collection Date: 3/22/2021 9:56 AM
Matrix: AQUEOUS-Saline
Sampler: GJ/RG

Analyses

Chloride **SM 4500-CL-E** **Batch: A-040821-007** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Analyzed By	KCB				
Analysis Date/Time	03/23/21 13:00				

Chlorophyll-A **SM 10200 H** **Batch: A-040821-009** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Chlorophyll-a	3.1	0.1	0.2		ug/L
Dilution Factor	1				
Analyzed By	MLJ				
Analysis Date/Time	04/06/21 09:55				
Lab_Cert_Number	E81105				

Nitrate and Nitrite **EPA 353.2** **Batch: A-040821-016** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Lab_Cert_Number	E81105				
Nitrate/Nitrite as N	0.1	0.1	0.5	U	mg/L
Dilution Factor	1				
Analyzed By	CEC				
Analysis Date/Time	03/31/21 09:57				

Phosphorus, Total **EPA 365.1** **Batch: Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Lab_Cert_Number	E81105				
Phosphorus-total	0.003	0.003	0.015	U	mg/L
Dilution Factor	1				
Analyzed By	KCB				
Analysis Date/Time	04/09/21 13:30				

Total Kjeldahl Nitrogen **EPA 351.2** **Batch: A-040821-021** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Lab_Cert_Number	E81105				
Total Kjeldahl Nitrogen	0.2	0.2	1	U	mg/L as N
Dilution Factor	1				
Analyzed By	ZD				
Analysis Date/Time	03/31/21 13:19				

Analytical Services Corporation
 921 Hospital Drive, Niceville Florida 32578
 (850) 678-5313 F: (850) 678-5063

Client: City of Destin
Lab ID: AS21MAR22-001-003
Recv By: Gabrielle Johnson
Recv Dt: 3/22/2021 12:30 PM

Client Sample ID: 2
Collection Date: 3/22/2021 9:56 AM
Matrix: AQUEOUS-Saline
Sampler: GJ/RG

Analyses

Carb. Biochemical Oxygen Demand (CBOD) 5 Day

SM 5210 B

Batch: A-040821-029 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Carbonaceous Biochemical Oxygen Demand	1.0	1	2	I	mg/L
Dilution Factor	1				
Analyzed By	AH				
Analysis Date/Time	03/23/21 14:00				

Nitrite as N

SM 4500-NO2 B

Batch: A-032621-005 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Nitrite as N	0.004	0.004	0.02	U	mg/L
Dilution Factor	1				
Analyzed By	GJ				
Analysis Date/Time	03/24/21 09:15				

Client: City of Destin
Lab ID: AS21MAR22-001-004
Recv By: Gabrielle Johnson
Recv Dt: 3/22/2021 12:30 PM

Client Sample ID: 12A
Collection Date: 3/22/2021 10:13 AM
Matrix: AQUEOUS-Saline
Sampler: GJ/RG

Analyses

<i>Dissolved Oxygen (Field)</i>	<i>SM 4500-O G</i>	<i>Batch: Run: 1</i>		
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
Dissolved Oxygen	8.32	0	0	mg/L

<i>Salinity (Field)</i>	<i>SM 2520 B</i>	<i>Batch: Run: 1</i>		
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
Salinity	22.17	1	2	ppt

<i>Temperature, water (Field)</i>	<i>SM 2550 B</i>	<i>Batch: Run: 1</i>		
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
Temperature	19.0	0	0	Deg C

<i>Fecal Coliforms</i>	<i>SM 9221 E</i>	<i>Batch: A-032921-006</i>			<i>Run: 1</i>
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Fecal Coliforms	1.8	1.8	1.8	U	MPN/100 mL
Analyzed By	AH				
Analysis Date/Time	03/22/21 14:20				

<i>Total Coliforms</i>	<i>SM 9221 B</i>	<i>Batch: A-032921-007</i>			<i>Run: 1</i>
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Total Coliforms	240	1.8	1.8		MPN/100 mL
Dilution Factor	1				
Analyzed By	AH				
Analysis Date/Time	03/22/21 14:20				

<i>Ammonia as N</i>	<i>EPA 350.1</i>	<i>Batch: A-040821-003</i>			<i>Run: 1</i>
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Lab_Cert_Number	E81105				
Ammonia as N	0.05	0.05	0.25	U	mg/L as N
Dilution Factor	1				
Analyzed By	ZD				
Analysis Date/Time	04/05/21 14:26				

<i>Chloride</i>	<i>SM 4500-CL-E</i>	<i>Batch: A-040821-007</i>			<i>Run: 1</i>
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Chloride	10000	1000	4000		mg/L
Dilution Factor	1000				

Client: City of Destin
Lab ID: AS21MAR22-001-004
Recv By: Gabrielle Johnson
Recv Dt: 3/22/2021 12:30 PM

Client Sample ID: 12A
Collection Date: 3/22/2021 10:13 AM
Matrix: AQUEOUS-Saline
Sampler: GJ/RG

Analyses

Chloride **SM 4500-CL-E** **Batch: A-040821-007** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Analyzed By	KCB				
Analysis Date/Time	03/23/21 13:00				

Chlorophyll-A **SM 10200 H** **Batch: A-040821-009** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Chlorophyll-a	1.4	0.1	0.2		ug/L
Dilution Factor	1				
Analyzed By	MLJ				
Analysis Date/Time	04/06/21 09:55				
Lab_Cert_Number	E81105				

Nitrate and Nitrite **EPA 353.2** **Batch: A-040821-016** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Lab_Cert_Number	E81105				
Nitrate/Nitrite as N	0.1	0.1	0.5	U	mg/L
Dilution Factor	1				
Analyzed By	CEC				
Analysis Date/Time	03/31/21 09:57				

Phosphorus, Total **EPA 365.1** **Batch: Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Lab_Cert_Number	E81105				
Phosphorus-total	0.003	0.003	0.015	U	mg/L
Dilution Factor	1				
Analyzed By	KCB				
Analysis Date/Time	04/09/21 13:30				

Total Kjeldahl Nitrogen **EPA 351.2** **Batch: A-040821-021** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Lab_Cert_Number	E81105				
Total Kjeldahl Nitrogen	0.2	0.2	1	U	mg/L as N
Dilution Factor	1				
Analyzed By	ZD				
Analysis Date/Time	03/31/21 13:19				

Analytical Services Corporation
 921 Hospital Drive, Niceville Florida 32578
 (850) 678-5313 F: (850) 678-5063

Client: City of Destin
Lab ID: AS21MAR22-001-004
Recv By: Gabrielle Johnson
Recv Dt: 3/22/2021 12:30 PM

Client Sample ID: 12A
Collection Date: 3/22/2021 10:13 AM
Matrix: AQUEOUS-Saline
Sampler: GJ/RG

Analyses

Carb. Biochemical Oxygen Demand (CBOD) 5 Day

SM 5210 B

Batch: A-040821-029 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Carbonaceous Biochemical Oxygen Demand	1	1	2	U	mg/L
Dilution Factor	1				
Analyzed By	AH				
Analysis Date/Time	03/23/21 14:00				

Nitrite as N

SM 4500-NO2 B

Batch: A-032621-005 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Nitrite as N	0.004	0.004	0.02	U	mg/L
Dilution Factor	1				
Analyzed By	GJ				
Analysis Date/Time	03/24/21 09:15				

Client: City of Destin
Lab ID: AS21MAR22-001-005
Recv By: Gabrielle Johnson
Recv Dt: 3/22/2021 12:30 PM

Client Sample ID: 11A
Collection Date: 3/22/2021 10:30 AM
Matrix: AQUEOUS-Saline
Sampler: GJ/RG

Analyses

<i>Dissolved Oxygen (Field)</i>	<i>SM 4500-O G</i>	<i>Batch: Run: 1</i>			
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Dissolved Oxygen	11.11	0	0		mg/L

<i>Salinity (Field)</i>	<i>SM 2520 B</i>	<i>Batch: Run: 1</i>			
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Salinity	23.23	1	2		ppt

<i>Temperature, water (Field)</i>	<i>SM 2550 B</i>	<i>Batch: Run: 1</i>			
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Temperature	18.0	0	0		Deg C

<i>Fecal Coliforms</i>	<i>SM 9221 E</i>	<i>Batch: A-032921-006</i>			<i>Run: 1</i>
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Fecal Coliforms	1.8	1.8	1.8	U	MPN/100 mL
Analyzed By	AH				
Analysis Date/Time	03/22/21 14:20				

<i>Total Coliforms</i>	<i>SM 9221 B</i>	<i>Batch: A-032921-007</i>			<i>Run: 1</i>
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Total Coliforms	110	1.8	1.8		MPN/100 mL
Dilution Factor	1				
Analyzed By	AH				
Analysis Date/Time	03/22/21 14:20				

<i>Ammonia as N</i>	<i>EPA 350.1</i>	<i>Batch: A-040821-003</i>			<i>Run: 1</i>
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Lab_Cert_Number	E81105				
Ammonia as N	0.05	0.05	0.25	U	mg/L as N
Dilution Factor	1				
Analyzed By	ZD				
Analysis Date/Time	04/05/21 14:26				

<i>Chloride</i>	<i>SM 4500-CL-E</i>	<i>Batch: A-040821-007</i>			<i>Run: 1</i>
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Chloride	12000	1000	4000		mg/L
Dilution Factor	1000				

Client: City of Destin
Lab ID: AS21MAR22-001-005
Recv By: Gabrielle Johnson
Recv Dt: 3/22/2021 12:30 PM

Client Sample ID: 11A
Collection Date: 3/22/2021 10:30 AM
Matrix: AQUEOUS-Saline
Sampler: GJ/RG

Analyses

Chloride	SM 4500-CL-E	Batch: A-040821-007		Run: 1
	<u>Result</u>	<u>Detection</u>	<u>Reporting</u>	<u>Qual</u>
		<u>Limit</u>	<u>Limit</u>	<u>Unit</u>
Analyzed By	KCB			
Analysis Date/Time	03/23/21 13:00			

Chlorophyll-A	SM 10200 H	Batch: A-040821-009		Run: 1
	<u>Result</u>	<u>Detection</u>	<u>Reporting</u>	<u>Qual</u>
		<u>Limit</u>	<u>Limit</u>	<u>Unit</u>
Chlorophyll-a	2.3	0.1	0.2	ug/L
Dilution Factor	1			
Analyzed By	MLJ			
Analysis Date/Time	04/06/21 09:55			
Lab_Cert_Number	E81105			

Nitrate and Nitrite	EPA 353.2	Batch: A-040821-016		Run: 1
	<u>Result</u>	<u>Detection</u>	<u>Reporting</u>	<u>Qual</u>
		<u>Limit</u>	<u>Limit</u>	<u>Unit</u>
Lab_Cert_Number	E81105			
Nitrate/Nitrite as N	0.1	0.1	0.5	U mg/L
Dilution Factor	1			
Analyzed By	CEC			
Analysis Date/Time	03/31/21 09:57			

Phosphorus, Total	EPA 365.1	Batch: Run: 1		
	<u>Result</u>	<u>Detection</u>	<u>Reporting</u>	<u>Qual</u>
		<u>Limit</u>	<u>Limit</u>	<u>Unit</u>
Lab_Cert_Number	E81105			
Phosphorus-total	0.003	0.003	0.015	U mg/L
Dilution Factor	1			
Analyzed By	KCB			
Analysis Date/Time	04/09/21 13:30			

Total Kjeldahl Nitrogen	EPA 351.2	Batch: A-040821-021		Run: 1
	<u>Result</u>	<u>Detection</u>	<u>Reporting</u>	<u>Qual</u>
		<u>Limit</u>	<u>Limit</u>	<u>Unit</u>
Lab_Cert_Number	E81105			
Total Kjeldahl Nitrogen	0.2	0.2	1	U mg/L as N
Dilution Factor	1			
Analyzed By	ZD			
Analysis Date/Time	03/31/21 13:19			

Analytical Services Corporation
 921 Hospital Drive, Niceville Florida 32578
 (850) 678-5313 F: (850) 678-5063

Client: City of Destin
Lab ID: AS21MAR22-001-005
Recv By: Gabrielle Johnson
Recv Dt: 3/22/2021 12:30 PM

Client Sample ID: 11A
Collection Date: 3/22/2021 10:30 AM
Matrix: AQUEOUS-Saline
Sampler: GJ/RG

Analyses

Carb. Biochemical Oxygen Demand (CBOD) 5 Day

SM 5210 B

Batch: A-040821-029 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Carbonaceous Biochemical Oxygen Demand	1	1	2	U	mg/L
Dilution Factor	1				
Analyzed By	AH				
Analysis Date/Time	03/23/21 14:00				

Nitrite as N

SM 4500-NO2 B

Batch: A-032621-005 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Nitrite as N	0.004	0.004	0.02	U	mg/L
Dilution Factor	1				
Analyzed By	GJ				
Analysis Date/Time	03/24/21 09:15				

Client: City of Destin
Lab ID: AS21MAR22-001-006
Recv By: Gabrielle Johnson
Recv Dt: 3/22/2021 12:30 PM

Client Sample ID: 4B
Collection Date: 3/22/2021 10:44 AM
Matrix: AQUEOUS-Saline
Sampler: GJ/RG

Analyses

<i>Dissolved Oxygen (Field)</i>	<i>SM 4500-O G</i>	<i>Batch: Run: 1</i>		
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
Dissolved Oxygen	9.16	0	0	mg/L

<i>Salinity (Field)</i>	<i>SM 2520 B</i>	<i>Batch: Run: 1</i>		
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
Salinity	22.07	1	2	ppt

<i>Temperature, water (Field)</i>	<i>SM 2550 B</i>	<i>Batch: Run: 1</i>		
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
Temperature	20.0	0	0	Deg C

<i>Fecal Coliforms</i>	<i>SM 9221 E</i>	<i>Batch: A-032921-006 Run: 1</i>		
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
Fecal Coliforms	7.8	1.8	1.8	MPN/100 mL
Analyzed By	AH			
Analysis Date/Time	03/22/21 14:20			

<i>Total Coliforms</i>	<i>SM 9221 B</i>	<i>Batch: A-032921-007 Run: 1</i>		
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
Total Coliforms	79	1.8	1.8	MPN/100 mL
Dilution Factor	1			
Analyzed By	AH			
Analysis Date/Time	03/22/21 14:20			

<i>Ammonia as N</i>	<i>EPA 350.1</i>	<i>Batch: A-040821-003 Run: 1</i>		
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
Lab_Cert_Number	E81105			
Ammonia as N	0.05	0.05	0.25	U mg/L as N
Dilution Factor	1			
Analyzed By	ZD			
Analysis Date/Time	04/05/21 14:26			

<i>Chloride</i>	<i>SM 4500-CL-E</i>	<i>Batch: A-040821-007 Run: 1</i>		
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
Chloride	11000	1000	4000	mg/L
Dilution Factor	1000			

Client: City of Destin
Lab ID: AS21MAR22-001-006
Recv By: Gabrielle Johnson
Recv Dt: 3/22/2021 12:30 PM

Client Sample ID: 4B
Collection Date: 3/22/2021 10:44 AM
Matrix: AQUEOUS-Saline
Sampler: GJ/RG

Analyses

Chloride **SM 4500-CL-E** **Batch: A-040821-007** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Analyzed By	KCB				
Analysis Date/Time	03/23/21 13:00				

Chlorophyll-A **SM 10200 H** **Batch: A-040821-009** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Chlorophyll-a	2.2	0.1	0.2		ug/L
Dilution Factor	1				
Analyzed By	MLJ				
Analysis Date/Time	04/06/21 09:55				
Lab_Cert_Number	E81105				

Nitrate and Nitrite **EPA 353.2** **Batch: A-040821-016** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Lab_Cert_Number	E81105				
Nitrate/Nitrite as N	0.1	0.1	0.5	U	mg/L
Dilution Factor	1				
Analyzed By	CEC				
Analysis Date/Time	03/31/21 09:57				

Phosphorus, Total **EPA 365.1** **Batch: Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Lab_Cert_Number	E81105				
Phosphorus-total	0.003	0.003	0.015	U	mg/L
Dilution Factor	1				
Analyzed By	KCB				
Analysis Date/Time	04/09/21 13:30				

Total Kjeldahl Nitrogen **EPA 351.2** **Batch: A-040821-021** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Lab_Cert_Number	E81105				
Total Kjeldahl Nitrogen	0.2	0.2	1	U	mg/L as N
Dilution Factor	1				
Analyzed By	ZD				
Analysis Date/Time	03/31/21 13:19				

Analytical Services Corporation
 921 Hospital Drive, Niceville Florida 32578
 (850) 678-5313 F: (850) 678-5063

Client: City of Destin
Lab ID: AS21MAR22-001-006
Recv By: Gabrielle Johnson
Recv Dt: 3/22/2021 12:30 PM

Client Sample ID: 4B
Collection Date: 3/22/2021 10:44 AM
Matrix: AQUEOUS-Saline
Sampler: GJ/RG

Analyses

Carb. Biochemical Oxygen Demand (CBOD) 5 Day

SM 5210 B

Batch: A-040821-029 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Carbonaceous Biochemical Oxygen Demand	1	1	2	U	mg/L
Dilution Factor	1				
Analyzed By	AH				
Analysis Date/Time	03/23/21 14:00				

Nitrite as N

SM 4500-NO2 B

Batch: A-032621-005 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Nitrite as N	0.004	0.004	0.02	U	mg/L
Dilution Factor	1				
Analyzed By	GJ				
Analysis Date/Time	03/24/21 09:15				

Analytical Services Corporation
 921 Hospital Drive, Niceville Florida 32578
 (850) 678-5313 F: (850) 678-5063

Client: City of Destin
Lab ID: AS21MAR22-001-007
Recv By: Gabrielle Johnson
Recv Dt: 3/22/2021 12:30 PM

Client Sample ID: 6B
Collection Date: 3/22/2021 11:03 AM
Matrix: AQUEOUS-Saline
Sampler: GJ/RG

Analyses

<i>Dissolved Oxygen (Field)</i>	<i>SM 4500-O G</i>	<i>Batch: Run: 1</i>		
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
Dissolved Oxygen	11.02	0	0	mg/L

<i>Salinity (Field)</i>	<i>SM 2520 B</i>	<i>Batch: Run: 1</i>		
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
Salinity	21.2	1	2	ppt

<i>Temperature, water (Field)</i>	<i>SM 2550 B</i>	<i>Batch: Run: 1</i>		
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
Temperature	19.0	0	0	Deg C

<i>Fecal Coliforms</i>	<i>SM 9221 E</i>	<i>Batch: A-032921-006 Run: 1</i>		
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
Fecal Coliforms	210	1.8	1.8	MPN/100 mL
Analyzed By	AH			
Analysis Date/Time	03/22/21 14:20			

<i>Total Coliforms</i>	<i>SM 9221 B</i>	<i>Batch: A-032921-007 Run: 1</i>		
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
Total Coliforms	49	1.8	1.8	MPN/100 mL
Dilution Factor	1			
Analyzed By	AH			
Analysis Date/Time	03/22/21 14:20			

<i>Ammonia as N</i>	<i>EPA 350.1</i>	<i>Batch: A-040821-003 Run: 1</i>		
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
Lab_Cert_Number	E81105			
Ammonia as N	0.05	0.05	0.25	U mg/L as N
Dilution Factor	1			
Analyzed By	ZD			
Analysis Date/Time	04/05/21 14:26			

Client: City of Destin
Lab ID: AS21MAR22-001-007
Recv By: Gabrielle Johnson
Recv Dt: 3/22/2021 12:30 PM

Client Sample ID: 6B
Collection Date: 3/22/2021 11:03 AM
Matrix: AQUEOUS-Saline
Sampler: GJ/RG

Analyses

Chloride	SM 4500-CL-E	Batch: A-040821-007		Run: 1
	Result	Detection Limit	Reporting Limit	Qual Unit
Chloride	11000	1000	4000	mg/L
	Result Comment: Sample too high in Chloride per mg/L to accurately spike. All other OCs passed.			
Dilution Factor	1000			
Analyzed By	KCB			
Analysis Date/Time	03/23/21 13:00			

Chlorophyll-A	SM 10200 H	Batch: A-040821-009		Run: 1
	Result	Detection Limit	Reporting Limit	Qual Unit
Chlorophyll-a	2.0	0.1	0.2	ug/L
Dilution Factor	1			
Analyzed By	MLJ			
Analysis Date/Time	04/06/21 09:55			
Lab_Cert_Number	E81105			

Nitrate and Nitrite	EPA 353.2	Batch: A-040821-016		Run: 1
	Result	Detection Limit	Reporting Limit	Qual Unit
Lab_Cert_Number	E81105			
Nitrate/Nitrite as N	0.1	0.1	0.5	U mg/L
Dilution Factor	1			
Analyzed By	CEC			
Analysis Date/Time	03/31/21 09:57			

Phosphorus, Total	EPA 365.1	Batch: Run: 1		
	Result	Detection Limit	Reporting Limit	Qual Unit
Lab_Cert_Number	E81105			
Phosphorus-total	0.003	0.003	0.015	U mg/L
Dilution Factor	1			
Analyzed By	KCB			
Analysis Date/Time	04/09/21 13:30			

Total Kjeldahl Nitrogen	EPA 351.2	Batch: A-040821-021		Run: 1
	Result	Detection Limit	Reporting Limit	Qual Unit
Lab_Cert_Number	E81105			
Total Kjeldahl Nitrogen	0.2	0.2	1	U mg/L as N
Dilution Factor	1			
Analyzed By	ZD			

Analytical Services Corporation
 921 Hospital Drive, Niceville Florida 32578
 (850) 678-5313 F: (850) 678-5063

Client: City of Destin
Lab ID: AS21MAR22-001-007
Recv By: Gabrielle Johnson
Recv Dt: 3/22/2021 12:30 PM

Client Sample ID: 6B
Collection Date: 3/22/2021 11:03 AM
Matrix: AQUEOUS-Saline
Sampler: GJ/RG

Analyses

Total Kjeldahl Nitrogen	EPA 351.2	Batch: A-040821-021	Run: 1
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>
		<u>Qual</u>	<u>Unit</u>
Analysis Date/Time	03/31/21 13:19		

Carb. Biochemical Oxygen Demand (CBOD) 5 Day	SM 5210 B	Batch: A-040821-029	Run: 1
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>
		<u>Qual</u>	<u>Unit</u>
Carbonaceous Biochemical Oxygen Demand	1.0	1	2
Dilution Factor	1		
Analyzed By	AH		
Analysis Date/Time	03/23/21 14:00		

Nitrite as N	SM 4500-NO2 B	Batch: A-032621-005	Run: 1
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>
		<u>Qual</u>	<u>Unit</u>
Nitrite as N	0.004	0.004	0.02
Dilution Factor	1		
Analyzed By	GJ		
Analysis Date/Time	03/24/21 09:15		

Client: City of Destin
Lab ID: AS21MAR22-001-008
Recv By: Gabrielle Johnson
Recv Dt: 3/22/2021 12:30 PM

Client Sample ID: 7
Collection Date: 3/22/2021 11:13 AM
Matrix: AQUEOUS-Saline
Sampler: GJ/RG

Analyses

<i>Dissolved Oxygen (Field)</i>	<i>SM 4500-O G</i>	<i>Batch: Run: 1</i>			
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Dissolved Oxygen		0	0		mg/L

<i>Salinity (Field)</i>	<i>SM 2520 B</i>	<i>Batch: Run: 1</i>			
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Salinity	20.13	1	2		ppt

<i>Temperature, water (Field)</i>	<i>SM 2550 B</i>	<i>Batch: Run: 1</i>			
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Temperature	18.3	0	0		Deg C

<i>Fecal Coliforms</i>	<i>SM 9221 E</i>	<i>Batch: A-032921-006</i>			<i>Run: 1</i>
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Fecal Coliforms	2.0	1.8	1.8		MPN/100 mL
Analyzed By	AH				
Analysis Date/Time	03/22/21 14:20				

<i>Total Coliforms</i>	<i>SM 9221 B</i>	<i>Batch: A-032921-007</i>			<i>Run: 1</i>
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Total Coliforms	33	1.8	1.8		MPN/100 mL
Dilution Factor	1				
Analyzed By	AH				
Analysis Date/Time	03/22/21 14:20				

<i>Ammonia as N</i>	<i>EPA 350.1</i>	<i>Batch: A-040821-003</i>			<i>Run: 1</i>
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Lab_Cert_Number	E81105				
Ammonia as N	0.05	0.05	0.25	U	mg/L as N
Dilution Factor	1				
Analyzed By	ZD				
Analysis Date/Time	04/05/21 14:26				

<i>Chloride</i>	<i>SM 4500-CL-E</i>	<i>Batch: A-040821-007</i>			<i>Run: 1</i>
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Chloride	9900	1000	4000		mg/L
Dilution Factor	1000				

Client: City of Destin
Lab ID: AS21MAR22-001-008
Recv By: Gabrielle Johnson
Recv Dt: 3/22/2021 12:30 PM

Client Sample ID: 7
Collection Date: 3/22/2021 11:13 AM
Matrix: AQUEOUS-Saline
Sampler: GJ/RG

Analyses

Chloride **SM 4500-CL-E** **Batch: A-040821-007** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Analyzed By	KCB				
Analysis Date/Time	03/23/21 13:00				

Chlorophyll-A **SM 10200 H** **Batch: A-040821-009** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Chlorophyll-a	1.9	0.1	0.2		ug/L
Dilution Factor	1				
Analyzed By	MLJ				
Analysis Date/Time	04/06/21 09:55				
Lab_Cert_Number	E81105				

Nitrate and Nitrite **EPA 353.2** **Batch: A-040821-016** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Lab_Cert_Number	E81105				
Nitrate/Nitrite as N	0.1	0.1	0.5	U	mg/L
Dilution Factor	1				
Analyzed By	CEC				
Analysis Date/Time	03/31/21 09:57				

Phosphorus, Total **EPA 365.1** **Batch: Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Lab_Cert_Number	E81105				
Phosphorus-total	0.003	0.003	0.015	U	mg/L
Dilution Factor	1				
Analyzed By	KCB				
Analysis Date/Time	04/09/21 13:30				

Total Kjeldahl Nitrogen **EPA 351.2** **Batch: A-040821-021** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Lab_Cert_Number	E81105				
Total Kjeldahl Nitrogen	0.2	0.2	1	U	mg/L as N
Dilution Factor	1				
Analyzed By	ZD				
Analysis Date/Time	03/31/21 13:19				

Analytical Services Corporation
 921 Hospital Drive, Niceville Florida 32578
 (850) 678-5313 F: (850) 678-5063

Client: City of Destin
Lab ID: AS21MAR22-001-008
Recv By: Gabrielle Johnson
Recv Dt: 3/22/2021 12:30 PM

Client Sample ID: 7
Collection Date: 3/22/2021 11:13 AM
Matrix: AQUEOUS-Saline
Sampler: GJ/RG

Analyses

Carb. Biochemical Oxygen Demand (CBOD) 5 Day

SM 5210 B

Batch: A-040821-029 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Carbonaceous Biochemical Oxygen Demand	1.3	1	2	I	mg/L
Dilution Factor	1				
Analyzed By	AH				
Analysis Date/Time	03/23/21 14:00				

Nitrite as N

SM 4500-NO2 B

Batch: A-032621-005 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Nitrite as N	0.004	0.004	0.02	U	mg/L
Dilution Factor	1				
Analyzed By	GJ				
Analysis Date/Time	03/24/21 09:15				

Data Qualifier	Qualifier Definition
B	Results based upon colony counts outside the acceptable range. Applies to microbiological tests and specifically to membrane filter colony counts. It is to be used if the colony count is generated from a plate in which the total number of colonies is outside the method indicated ideal range.
D	Measurement was made in the field.
E	Extra samples were taken at composite stations
G	Analyte was detected in both the sample and the associated field, equipment, or trip blank.
H	Value based on field kit determination; results may not be accurate.
I	The reported value is between the laboratory MDL and the laboratory PQL.
J	This qualifier is used when a QC sample does not meet the requirements in the method (ie: duplicate, spike, or control). There will always be a comment explained in the details. Laboratory does not feel that the sample results are compromised.
K	Off-scale low. Actual value is known to be less than the value given.
L	Off-scale high. Actual value is known to be greater than value given.
M	Chemical Analysis: Presence of material is verified but not quantified; the actual value is less than the value given. The reported value shall be the laboratory practical quantitation limit. Species: Male sex
N	Presumptive evidence of presence of material
O	Sampled, but analysis was lost during sample preparation or sample analysis
Q	Sample is either received or analyzed after the holding time. An explanation will be included if the laboratory is at fault.
R	Significant rain in the past 48 hours.
S	Secchi disk visible to bottom of waterbody. The value reported is the depth of the waterbody at the location of the Secchi disk measurement.
T	Value reported is less than the laboratory method detection limit. The value is reported for informational purposes, only and shall not be used in statistical analysis.
U	Compound was analyzed for but not detected.
V	Analyte was detected in both the sample and the associated method blank.
Y	Laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
Z	Too many colonies were present for accurate counting (TNTC), the numeric value shall be estimated from the highest dilution factor (smallest sample volume) used for the test and reported with the qualifier code.
?	Data is rejected and should not be used. Some or all of the quality control data for the analyte were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
*	Not analyzed due to interference.
!	Data deviates from historically established concentration ranges.
•	Not analyzed due to high chlorine content or matrix interference

For more detailed information see: Florida Administrative Code rule chapter 62-160 Table 62-160.700.
 History–New 1-1-91, Amended 2-4-93, 2-27-94, Formerly 17-160.700, Amended 3-24-96, 4-9-02, 6-8-04, 12-3-08, 7-30-14.

PERMIT NO. 46270899

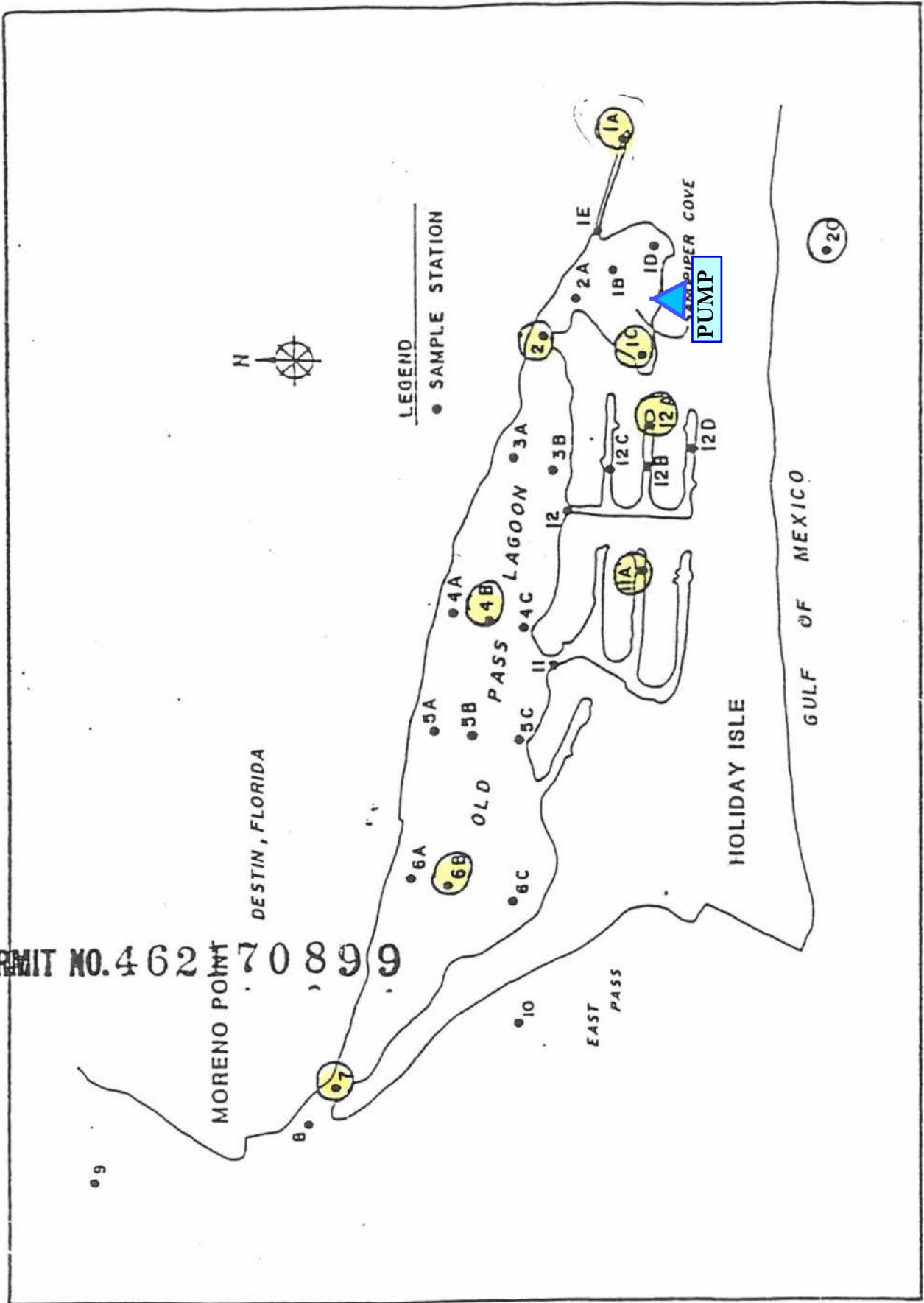


Figure 1: Location of Monitoring Stations.

Analytical Services Corporation



NELAP Laboratory Certification # E81384

921 Hospital Drive

Niceville, Florida 32578

(850) 678-5313 * FAX (850) 678-5063



Certificate of Analysis

Client Report For: City of Destin
Attention: David Bazylak
Client Address: 4200 Indian Bayou Trail
Destin, FL 32541

Report Date: April 12, 2021
LAB ID: AS21MAR22-001

Comment:

These test results meet all NELAC requirements for those parameters which require accreditation. Any exceptions or deviations from NELAC protocol are noted in this report. Any samples collected by Analytical Services Corporation personnel are done according to the latest revision of SOP-001/01. Any questions concerning this report should be directed to the person signing this report at (850) 678-5313, Analytical Services Corporation, 921 Hospital Drive, Niceville, Florida 32578. The test results in this report relate only to those specific samples listed.

A statement of estimated uncertainty of test results is available on request. Analyses performed in the field are not regulated by the NELAC standards

Results for solid sample are calculated and reported on a dry weight basis unless otherwise noted.

Results contained within this report relate only to the samples referenced in this report.

This report may not be reproduced except in full with written approval from the laboratory.

DESTIN HARBOR 2ND QUARTER

Approved By: Trish Jackson
Trish Jackson, President

Date: 04/12/21

Client: City of Destin
Lab ID: AS21MAR22-001-001
Recv By: Gabrielle Johnson
Recv Dt: 3/22/2021 12:30 PM

Client Sample ID: 1A
Collection Date: 3/22/2021 9:28 AM
Matrix: AQUEOUS-Saline
Sampler: GJ/RG

Analyses

<i>Dissolved Oxygen (Field)</i>	<i>SM 4500-O G</i>	<i>Batch: Run: 1</i>		
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
Dissolved Oxygen	9.62	0	0	mg/L

<i>Salinity (Field)</i>	<i>SM 2520 B</i>	<i>Batch: Run: 1</i>		
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
Salinity	19.73	1	2	ppt

<i>Temperature, water (Field)</i>	<i>SM 2550 B</i>	<i>Batch: Run: 1</i>		
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
Temperature	20.0	0	0	Deg C

<i>Fecal Coliforms</i>	<i>SM 9221 E</i>	<i>Batch: A-032921-006</i>		<i>Run: 1</i>
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
Fecal Coliforms	110	1.8	1.8	MPN/100 mL
Analyzed By	AH			
Analysis Date/Time	03/22/21 14:20			

<i>Total Coliforms</i>	<i>SM 9221 B</i>	<i>Batch: A-032921-007</i>		<i>Run: 1</i>
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
Total Coliforms	1600	1.8	1.8	MPN/100 mL
Dilution Factor	1			
Analyzed By	AH			
Analysis Date/Time	03/22/21 14:20			

<i>Ammonia as N</i>	<i>EPA 350.1</i>	<i>Batch: A-040821-003</i>		<i>Run: 1</i>
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
Lab_Cert_Number	E81105			
Ammonia as N	0.05	0.05	0.25	U mg/L as N
Dilution Factor	1			
Analyzed By	ZD			
Analysis Date/Time	04/05/21 14:26			

<i>Chloride</i>	<i>SM 4500-CL-E</i>	<i>Batch: A-040821-007</i>		<i>Run: 1</i>
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
Chloride	10000	1000	4000	mg/L

Client: City of Destin
Lab ID: AS21MAR22-001-001
Recv By: Gabrielle Johnson
Recv Dt: 3/22/2021 12:30 PM

Client Sample ID: 1A
Collection Date: 3/22/2021 9:28 AM
Matrix: AQUEOUS-Saline
Sampler: GJ/RG

Analyses

Chloride	SM 4500-CL-E	Batch: A-040821-007		Run: 1
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
				<u>Unit</u>
Dilution Factor	1000			
Analyzed By	KCB			
Analysis Date/Time	03/23/21 13:00			

Chlorophyll-A	SM 10200 H	Batch: A-040821-009		Run: 1
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
				<u>Unit</u>
Chlorophyll-a	4.8	0.1	0.2	ug/L
Dilution Factor	1			
Analyzed By	MLJ			
Analysis Date/Time	04/06/21 09:55			
Lab_Cert_Number	E81105			

Nitrate and Nitrite	EPA 353.2	Batch: A-040821-016		Run: 1
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
				<u>Unit</u>
Lab_Cert_Number	E81105			
Nitrate/Nitrite as N	0.1	0.1	0.5	U mg/L
Dilution Factor	1			
Analyzed By	CEC			
Analysis Date/Time	03/31/21 09:57			

Phosphorus, Total	EPA 365.1	Batch: Run: 1		
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
				<u>Unit</u>
Lab_Cert_Number	E81105			
Phosphorus-total	0.003	0.003	0.015	U mg/L
Dilution Factor	1			
Analyzed By	KCB			
Analysis Date/Time	04/09/21 13:30			

Total Kjeldahl Nitrogen	EPA 351.2	Batch: A-040821-021		Run: 1
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
				<u>Unit</u>
Lab_Cert_Number	E81105			
Total Kjeldahl Nitrogen	0.97	0.2	1	I mg/L as N
Dilution Factor	1			
Analyzed By	ZD			
Analysis Date/Time	03/31/21 13:19			

Analytical Services Corporation
 921 Hospital Drive, Niceville Florida 32578
 (850) 678-5313 F: (850) 678-5063

Client: City of Destin
Lab ID: AS21MAR22-001-001
Recv By: Gabrielle Johnson
Recv Dt: 3/22/2021 12:30 PM

Client Sample ID: 1A
Collection Date: 3/22/2021 9:28 AM
Matrix: AQUEOUS-Saline
Sampler: GJ/RG

Analyses

Carb. Biochemical Oxygen Demand (CBOD) 5 Day

SM 5210 B

Batch: A-040821-029 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Carbonaceous Biochemical Oxygen Demand	2.1	1	2		mg/L
Dilution Factor	1				
Analyzed By	AH				
Analysis Date/Time	03/23/21 14:00				

Nitrite as N

SM 4500-NO2 B

Batch: A-032621-005 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Nitrite as N	0.004	0.004	0.02	U	mg/L
Dilution Factor	1				
Analyzed By	GJ				
Analysis Date/Time	03/24/21 09:15				

Client: City of Destin
Lab ID: AS21MAR22-001-002
Recv By: Gabrielle Johnson
Recv Dt: 3/22/2021 12:30 PM

Client Sample ID: 1C
Collection Date: 3/22/2021 9:45 AM
Matrix: AQUEOUS-Saline
Sampler: GJ/RG

Analyses

<i>Dissolved Oxygen (Field)</i>	<i>SM 4500-O G</i>	<i>Batch: Run: 1</i>			
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Dissolved Oxygen	10.91	0	0		mg/L

<i>Salinity (Field)</i>	<i>SM 2520 B</i>	<i>Batch: Run: 1</i>			
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Salinity	24.67	1	2		ppt

<i>Temperature, water (Field)</i>	<i>SM 2550 B</i>	<i>Batch: Run: 1</i>			
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Temperature	19.0	0	0		Deg C

<i>Fecal Coliforms</i>	<i>SM 9221 E</i>	<i>Batch: A-032921-006</i>			<i>Run: 1</i>
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Fecal Coliforms	22	1.8	1.8		MPN/100 mL
Analyzed By	AH				
Analysis Date/Time	03/22/21 14:20				

<i>Total Coliforms</i>	<i>SM 9221 B</i>	<i>Batch: A-032921-007</i>			<i>Run: 1</i>
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Total Coliforms	540	1.8	1.8		MPN/100 mL
Dilution Factor	1				
Analyzed By	AH				
Analysis Date/Time	03/22/21 14:20				

<i>Ammonia as N</i>	<i>EPA 350.1</i>	<i>Batch: A-040821-003</i>			<i>Run: 1</i>
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Lab_Cert_Number	E81105				
Ammonia as N	0.05	0.05	0.25	U	mg/L as N
Dilution Factor	1				
Analyzed By	ZD				
Analysis Date/Time	04/05/21 14:26				

<i>Chloride</i>	<i>SM 4500-CL-E</i>	<i>Batch: A-040821-007</i>			<i>Run: 1</i>
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Chloride	10000	1000	4000		mg/L
Dilution Factor	1000				

Client: City of Destin
Lab ID: AS21MAR22-001-002
Recv By: Gabrielle Johnson
Recv Dt: 3/22/2021 12:30 PM

Client Sample ID: 1C
Collection Date: 3/22/2021 9:45 AM
Matrix: AQUEOUS-Saline
Sampler: GJ/RG

Analyses

Chloride **SM 4500-CL-E** **Batch: A-040821-007** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Analyzed By	KCB				
Analysis Date/Time	03/23/21 13:00				

Chlorophyll-A **SM 10200 H** **Batch: A-040821-009** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Chlorophyll-a	3.6	0.1	0.2		ug/L
Dilution Factor	1				
Analyzed By	MLJ				
Analysis Date/Time	04/06/21 09:55				
Lab_Cert_Number	E81105				

Nitrate and Nitrite **EPA 353.2** **Batch: A-040821-016** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Lab_Cert_Number	E81105				
Nitrate/Nitrite as N	0.1	0.1	0.5	U	mg/L
Dilution Factor	1				
Analyzed By	CEC				
Analysis Date/Time	03/31/21 09:57				

Phosphorus, Total **EPA 365.1** **Batch: Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Lab_Cert_Number	E81105				
Phosphorus-total	0.003	0.003	0.015	U	mg/L
Dilution Factor	1				
Analyzed By	KCB				
Analysis Date/Time	04/09/21 13:30				

Total Kjeldahl Nitrogen **EPA 351.2** **Batch: A-040821-021** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Lab_Cert_Number	E81105				
Total Kjeldahl Nitrogen	0.34	0.2	1	I	mg/L as N
Dilution Factor	1				
Analyzed By	ZD				
Analysis Date/Time	03/31/21 13:19				

Analytical Services Corporation
 921 Hospital Drive, Niceville Florida 32578
 (850) 678-5313 F: (850) 678-5063

Client: City of Destin
Lab ID: AS21MAR22-001-002
Recv By: Gabrielle Johnson
Recv Dt: 3/22/2021 12:30 PM

Client Sample ID: 1C
Collection Date: 3/22/2021 9:45 AM
Matrix: AQUEOUS-Saline
Sampler: GJ/RG

Analyses

Carb. Biochemical Oxygen Demand (CBOD) 5 Day

SM 5210 B

Batch: A-040821-029 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Carbonaceous Biochemical Oxygen Demand	1	1	2	U	mg/L
Dilution Factor	1				
Analyzed By	AH				
Analysis Date/Time	03/23/21 14:00				

Nitrite as N

SM 4500-NO2 B

Batch: A-032621-005 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Nitrite as N	0.004	0.004	0.02	U	mg/L
Dilution Factor	1				
Analyzed By	GJ				
Analysis Date/Time	03/24/21 09:15				

Client: City of Destin
Lab ID: AS21MAR22-001-003
Recv By: Gabrielle Johnson
Recv Dt: 3/22/2021 12:30 PM

Client Sample ID: 2
Collection Date: 3/22/2021 9:56 AM
Matrix: AQUEOUS-Saline
Sampler: GJ/RG

Analyses

<i>Dissolved Oxygen (Field)</i>	<i>SM 4500-O G</i>	<i>Batch: Run: 1</i>			
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Dissolved Oxygen	10.54	0	0		mg/L

<i>Salinity (Field)</i>	<i>SM 2520 B</i>	<i>Batch: Run: 1</i>			
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Salinity	23.37	1	2		ppt

<i>Temperature, water (Field)</i>	<i>SM 2550 B</i>	<i>Batch: Run: 1</i>			
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Temperature	19.0	0	0		Deg C

<i>Fecal Coliforms</i>	<i>SM 9221 E</i>	<i>Batch: A-032921-006</i>			<i>Run: 1</i>
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Fecal Coliforms	13	1.8	1.8		MPN/100 mL
Analyzed By	AH				
Analysis Date/Time	03/22/21 14:20				

<i>Total Coliforms</i>	<i>SM 9221 B</i>	<i>Batch: A-032921-007</i>			<i>Run: 1</i>
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Total Coliforms	240	1.8	1.8		MPN/100 mL
Dilution Factor	1				
Analyzed By	AH				
Analysis Date/Time	03/22/21 14:20				

<i>Ammonia as N</i>	<i>EPA 350.1</i>	<i>Batch: A-040821-003</i>			<i>Run: 1</i>
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Lab_Cert_Number	E81105				
Ammonia as N	0.05	0.05	0.25	U	mg/L as N
Dilution Factor	1				
Analyzed By	ZD				
Analysis Date/Time	04/05/21 14:26				

<i>Chloride</i>	<i>SM 4500-CL-E</i>	<i>Batch: A-040821-007</i>			<i>Run: 1</i>
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Chloride	11000	1000	4000		mg/L
Dilution Factor	1000				

Client: City of Destin
Lab ID: AS21MAR22-001-003
Recv By: Gabrielle Johnson
Recv Dt: 3/22/2021 12:30 PM

Client Sample ID: 2
Collection Date: 3/22/2021 9:56 AM
Matrix: AQUEOUS-Saline
Sampler: GJ/RG

Analyses

Chloride **SM 4500-CL-E** **Batch: A-040821-007** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Analyzed By	KCB				
Analysis Date/Time	03/23/21 13:00				

Chlorophyll-A **SM 10200 H** **Batch: A-040821-009** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Chlorophyll-a	3.1	0.1	0.2		ug/L
Dilution Factor	1				
Analyzed By	MLJ				
Analysis Date/Time	04/06/21 09:55				
Lab_Cert_Number	E81105				

Nitrate and Nitrite **EPA 353.2** **Batch: A-040821-016** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Lab_Cert_Number	E81105				
Nitrate/Nitrite as N	0.1	0.1	0.5	U	mg/L
Dilution Factor	1				
Analyzed By	CEC				
Analysis Date/Time	03/31/21 09:57				

Phosphorus, Total **EPA 365.1** **Batch: Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Lab_Cert_Number	E81105				
Phosphorus-total	0.003	0.003	0.015	U	mg/L
Dilution Factor	1				
Analyzed By	KCB				
Analysis Date/Time	04/09/21 13:30				

Total Kjeldahl Nitrogen **EPA 351.2** **Batch: A-040821-021** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Lab_Cert_Number	E81105				
Total Kjeldahl Nitrogen	0.2	0.2	1	U	mg/L as N
Dilution Factor	1				
Analyzed By	ZD				
Analysis Date/Time	03/31/21 13:19				

Analytical Services Corporation
 921 Hospital Drive, Niceville Florida 32578
 (850) 678-5313 F: (850) 678-5063

Client: City of Destin
Lab ID: AS21MAR22-001-003
Recv By: Gabrielle Johnson
Recv Dt: 3/22/2021 12:30 PM

Client Sample ID: 2
Collection Date: 3/22/2021 9:56 AM
Matrix: AQUEOUS-Saline
Sampler: GJ/RG

Analyses

Carb. Biochemical Oxygen Demand (CBOD) 5 Day

SM 5210 B

Batch: A-040821-029 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Carbonaceous Biochemical Oxygen Demand	1.0	1	2	I	mg/L
Dilution Factor	1				
Analyzed By	AH				
Analysis Date/Time	03/23/21 14:00				

Nitrite as N

SM 4500-NO2 B

Batch: A-032621-005 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Nitrite as N	0.004	0.004	0.02	U	mg/L
Dilution Factor	1				
Analyzed By	GJ				
Analysis Date/Time	03/24/21 09:15				

Client: City of Destin
Lab ID: AS21MAR22-001-004
Recv By: Gabrielle Johnson
Recv Dt: 3/22/2021 12:30 PM

Client Sample ID: 12A
Collection Date: 3/22/2021 10:13 AM
Matrix: AQUEOUS-Saline
Sampler: GJ/RG

Analyses

<i>Dissolved Oxygen (Field)</i>	<i>SM 4500-O G</i>	<i>Batch: Run: 1</i>		
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
Dissolved Oxygen	8.32	0	0	mg/L

<i>Salinity (Field)</i>	<i>SM 2520 B</i>	<i>Batch: Run: 1</i>		
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
Salinity	22.17	1	2	ppt

<i>Temperature, water (Field)</i>	<i>SM 2550 B</i>	<i>Batch: Run: 1</i>		
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
Temperature	19.0	0	0	Deg C

<i>Fecal Coliforms</i>	<i>SM 9221 E</i>	<i>Batch: A-032921-006</i>			<i>Run: 1</i>
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Fecal Coliforms	1.8	1.8	1.8	U	MPN/100 mL
Analyzed By	AH				
Analysis Date/Time	03/22/21 14:20				

<i>Total Coliforms</i>	<i>SM 9221 B</i>	<i>Batch: A-032921-007</i>			<i>Run: 1</i>
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Total Coliforms	240	1.8	1.8		MPN/100 mL
Dilution Factor	1				
Analyzed By	AH				
Analysis Date/Time	03/22/21 14:20				

<i>Ammonia as N</i>	<i>EPA 350.1</i>	<i>Batch: A-040821-003</i>			<i>Run: 1</i>
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Lab_Cert_Number	E81105				
Ammonia as N	0.05	0.05	0.25	U	mg/L as N
Dilution Factor	1				
Analyzed By	ZD				
Analysis Date/Time	04/05/21 14:26				

<i>Chloride</i>	<i>SM 4500-CL-E</i>	<i>Batch: A-040821-007</i>			<i>Run: 1</i>
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Chloride	10000	1000	4000		mg/L
Dilution Factor	1000				

Client: City of Destin
Lab ID: AS21MAR22-001-004
Recv By: Gabrielle Johnson
Recv Dt: 3/22/2021 12:30 PM

Client Sample ID: 12A
Collection Date: 3/22/2021 10:13 AM
Matrix: AQUEOUS-Saline
Sampler: GJ/RG

Analyses

Chloride **SM 4500-CL-E** **Batch: A-040821-007** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Analyzed By	KCB				
Analysis Date/Time	03/23/21 13:00				

Chlorophyll-A **SM 10200 H** **Batch: A-040821-009** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Chlorophyll-a	1.4	0.1	0.2		ug/L
Dilution Factor	1				
Analyzed By	MLJ				
Analysis Date/Time	04/06/21 09:55				
Lab_Cert_Number	E81105				

Nitrate and Nitrite **EPA 353.2** **Batch: A-040821-016** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Lab_Cert_Number	E81105				
Nitrate/Nitrite as N	0.1	0.1	0.5	U	mg/L
Dilution Factor	1				
Analyzed By	CEC				
Analysis Date/Time	03/31/21 09:57				

Phosphorus, Total **EPA 365.1** **Batch: Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Lab_Cert_Number	E81105				
Phosphorus-total	0.003	0.003	0.015	U	mg/L
Dilution Factor	1				
Analyzed By	KCB				
Analysis Date/Time	04/09/21 13:30				

Total Kjeldahl Nitrogen **EPA 351.2** **Batch: A-040821-021** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Lab_Cert_Number	E81105				
Total Kjeldahl Nitrogen	0.2	0.2	1	U	mg/L as N
Dilution Factor	1				
Analyzed By	ZD				
Analysis Date/Time	03/31/21 13:19				

Analytical Services Corporation
 921 Hospital Drive, Niceville Florida 32578
 (850) 678-5313 F: (850) 678-5063

Client: City of Destin
Lab ID: AS21MAR22-001-004
Recv By: Gabrielle Johnson
Recv Dt: 3/22/2021 12:30 PM

Client Sample ID: 12A
Collection Date: 3/22/2021 10:13 AM
Matrix: AQUEOUS-Saline
Sampler: GJ/RG

Analyses

Carb. Biochemical Oxygen Demand (CBOD) 5 Day

SM 5210 B

Batch: A-040821-029 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Carbonaceous Biochemical Oxygen Demand	1	1	2	U	mg/L
Dilution Factor	1				
Analyzed By	AH				
Analysis Date/Time	03/23/21 14:00				

Nitrite as N

SM 4500-NO2 B

Batch: A-032621-005 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Nitrite as N	0.004	0.004	0.02	U	mg/L
Dilution Factor	1				
Analyzed By	GJ				
Analysis Date/Time	03/24/21 09:15				

Client: City of Destin
Lab ID: AS21MAR22-001-005
Recv By: Gabrielle Johnson
Recv Dt: 3/22/2021 12:30 PM

Client Sample ID: 11A
Collection Date: 3/22/2021 10:30 AM
Matrix: AQUEOUS-Saline
Sampler: GJ/RG

Analyses

<i>Dissolved Oxygen (Field)</i>	SM 4500-O G	Batch: Run: 1			
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Dissolved Oxygen	11.11	0	0		mg/L

<i>Salinity (Field)</i>	SM 2520 B	Batch: Run: 1			
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Salinity	23.23	1	2		ppt

<i>Temperature, water (Field)</i>	SM 2550 B	Batch: Run: 1			
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Temperature	18.0	0	0		Deg C

<i>Fecal Coliforms</i>	SM 9221 E	Batch: A-032921-006			Run: 1
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Fecal Coliforms	1.8	1.8	1.8	U	MPN/100 mL
Analyzed By	AH				
Analysis Date/Time	03/22/21 14:20				

<i>Total Coliforms</i>	SM 9221 B	Batch: A-032921-007			Run: 1
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Total Coliforms	110	1.8	1.8		MPN/100 mL
Dilution Factor	1				
Analyzed By	AH				
Analysis Date/Time	03/22/21 14:20				

<i>Ammonia as N</i>	EPA 350.1	Batch: A-040821-003			Run: 1
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Lab_Cert_Number	E81105				
Ammonia as N	0.05	0.05	0.25	U	mg/L as N
Dilution Factor	1				
Analyzed By	ZD				
Analysis Date/Time	04/05/21 14:26				

<i>Chloride</i>	SM 4500-CL-E	Batch: A-040821-007			Run: 1
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Chloride	12000	1000	4000		mg/L
Dilution Factor	1000				

Client: City of Destin
Lab ID: AS21MAR22-001-005
Recv By: Gabrielle Johnson
Recv Dt: 3/22/2021 12:30 PM

Client Sample ID: 11A
Collection Date: 3/22/2021 10:30 AM
Matrix: AQUEOUS-Saline
Sampler: GJ/RG

Analyses

Chloride	SM 4500-CL-E	Batch: A-040821-007		Run: 1
	<u>Result</u>	<u>Detection</u>	<u>Reporting</u>	<u>Qual</u>
		<u>Limit</u>	<u>Limit</u>	<u>Unit</u>
Analyzed By	KCB			
Analysis Date/Time	03/23/21 13:00			

Chlorophyll-A	SM 10200 H	Batch: A-040821-009		Run: 1
	<u>Result</u>	<u>Detection</u>	<u>Reporting</u>	<u>Qual</u>
		<u>Limit</u>	<u>Limit</u>	<u>Unit</u>
Chlorophyll-a	2.3	0.1	0.2	ug/L
Dilution Factor	1			
Analyzed By	MLJ			
Analysis Date/Time	04/06/21 09:55			
Lab_Cert_Number	E81105			

Nitrate and Nitrite	EPA 353.2	Batch: A-040821-016		Run: 1
	<u>Result</u>	<u>Detection</u>	<u>Reporting</u>	<u>Qual</u>
		<u>Limit</u>	<u>Limit</u>	<u>Unit</u>
Lab_Cert_Number	E81105			
Nitrate/Nitrite as N	0.1	0.1	0.5	U mg/L
Dilution Factor	1			
Analyzed By	CEC			
Analysis Date/Time	03/31/21 09:57			

Phosphorus, Total	EPA 365.1	Batch: Run: 1		
	<u>Result</u>	<u>Detection</u>	<u>Reporting</u>	<u>Qual</u>
		<u>Limit</u>	<u>Limit</u>	<u>Unit</u>
Lab_Cert_Number	E81105			
Phosphorus-total	0.003	0.003	0.015	U mg/L
Dilution Factor	1			
Analyzed By	KCB			
Analysis Date/Time	04/09/21 13:30			

Total Kjeldahl Nitrogen	EPA 351.2	Batch: A-040821-021		Run: 1
	<u>Result</u>	<u>Detection</u>	<u>Reporting</u>	<u>Qual</u>
		<u>Limit</u>	<u>Limit</u>	<u>Unit</u>
Lab_Cert_Number	E81105			
Total Kjeldahl Nitrogen	0.2	0.2	1	U mg/L as N
Dilution Factor	1			
Analyzed By	ZD			
Analysis Date/Time	03/31/21 13:19			

Analytical Services Corporation
 921 Hospital Drive, Niceville Florida 32578
 (850) 678-5313 F: (850) 678-5063

Client: City of Destin
Lab ID: AS21MAR22-001-005
Recv By: Gabrielle Johnson
Recv Dt: 3/22/2021 12:30 PM

Client Sample ID: 11A
Collection Date: 3/22/2021 10:30 AM
Matrix: AQUEOUS-Saline
Sampler: GJ/RG

Analyses

Carb. Biochemical Oxygen Demand (CBOD) 5 Day

SM 5210 B

Batch: A-040821-029 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Carbonaceous Biochemical Oxygen Demand	1	1	2	U	mg/L
Dilution Factor	1				
Analyzed By	AH				
Analysis Date/Time	03/23/21 14:00				

Nitrite as N

SM 4500-NO2 B

Batch: A-032621-005 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Nitrite as N	0.004	0.004	0.02	U	mg/L
Dilution Factor	1				
Analyzed By	GJ				
Analysis Date/Time	03/24/21 09:15				

Client: City of Destin
Lab ID: AS21MAR22-001-006
Recv By: Gabrielle Johnson
Recv Dt: 3/22/2021 12:30 PM

Client Sample ID: 4B
Collection Date: 3/22/2021 10:44 AM
Matrix: AQUEOUS-Saline
Sampler: GJ/RG

Analyses

<i>Dissolved Oxygen (Field)</i>	<i>SM 4500-O G</i>	<i>Batch: Run: 1</i>		
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
Dissolved Oxygen	9.16	0	0	mg/L

<i>Salinity (Field)</i>	<i>SM 2520 B</i>	<i>Batch: Run: 1</i>		
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
Salinity	22.07	1	2	ppt

<i>Temperature, water (Field)</i>	<i>SM 2550 B</i>	<i>Batch: Run: 1</i>		
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
Temperature	20.0	0	0	Deg C

<i>Fecal Coliforms</i>	<i>SM 9221 E</i>	<i>Batch: A-032921-006</i>			<i>Run: 1</i>
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Fecal Coliforms	7.8	1.8	1.8		MPN/100 mL
Analyzed By	AH				
Analysis Date/Time	03/22/21 14:20				

<i>Total Coliforms</i>	<i>SM 9221 B</i>	<i>Batch: A-032921-007</i>			<i>Run: 1</i>
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Total Coliforms	79	1.8	1.8		MPN/100 mL
Dilution Factor	1				
Analyzed By	AH				
Analysis Date/Time	03/22/21 14:20				

<i>Ammonia as N</i>	<i>EPA 350.1</i>	<i>Batch: A-040821-003</i>			<i>Run: 1</i>
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Lab_Cert_Number	E81105				
Ammonia as N	0.05	0.05	0.25	U	mg/L as N
Dilution Factor	1				
Analyzed By	ZD				
Analysis Date/Time	04/05/21 14:26				

<i>Chloride</i>	<i>SM 4500-CL-E</i>	<i>Batch: A-040821-007</i>			<i>Run: 1</i>
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Chloride	11000	1000	4000		mg/L
Dilution Factor	1000				

Client: City of Destin
Lab ID: AS21MAR22-001-006
Recv By: Gabrielle Johnson
Recv Dt: 3/22/2021 12:30 PM

Client Sample ID: 4B
Collection Date: 3/22/2021 10:44 AM
Matrix: AQUEOUS-Saline
Sampler: GJ/RG

Analyses

Chloride	SM 4500-CL-E	Batch: A-040821-007		Run: 1
	<u>Result</u>	<u>Detection</u>	<u>Reporting</u>	<u>Qual</u>
		<u>Limit</u>	<u>Limit</u>	<u>Unit</u>
Analyzed By	KCB			
Analysis Date/Time	03/23/21 13:00			

Chlorophyll-A	SM 10200 H	Batch: A-040821-009		Run: 1
	<u>Result</u>	<u>Detection</u>	<u>Reporting</u>	<u>Qual</u>
		<u>Limit</u>	<u>Limit</u>	<u>Unit</u>
Chlorophyll-a	2.2	0.1	0.2	ug/L
Dilution Factor	1			
Analyzed By	MLJ			
Analysis Date/Time	04/06/21 09:55			
Lab_Cert_Number	E81105			

Nitrate and Nitrite	EPA 353.2	Batch: A-040821-016		Run: 1
	<u>Result</u>	<u>Detection</u>	<u>Reporting</u>	<u>Qual</u>
		<u>Limit</u>	<u>Limit</u>	<u>Unit</u>
Lab_Cert_Number	E81105			
Nitrate/Nitrite as N	0.1	0.1	0.5	U mg/L
Dilution Factor	1			
Analyzed By	CEC			
Analysis Date/Time	03/31/21 09:57			

Phosphorus, Total	EPA 365.1	Batch: Run: 1		
	<u>Result</u>	<u>Detection</u>	<u>Reporting</u>	<u>Qual</u>
		<u>Limit</u>	<u>Limit</u>	<u>Unit</u>
Lab_Cert_Number	E81105			
Phosphorus-total	0.003	0.003	0.015	U mg/L
Dilution Factor	1			
Analyzed By	KCB			
Analysis Date/Time	04/09/21 13:30			

Total Kjeldahl Nitrogen	EPA 351.2	Batch: A-040821-021		Run: 1
	<u>Result</u>	<u>Detection</u>	<u>Reporting</u>	<u>Qual</u>
		<u>Limit</u>	<u>Limit</u>	<u>Unit</u>
Lab_Cert_Number	E81105			
Total Kjeldahl Nitrogen	0.2	0.2	1	U mg/L as N
Dilution Factor	1			
Analyzed By	ZD			
Analysis Date/Time	03/31/21 13:19			

Analytical Services Corporation
 921 Hospital Drive, Niceville Florida 32578
 (850) 678-5313 F: (850) 678-5063

Client: City of Destin
Lab ID: AS21MAR22-001-006
Recv By: Gabrielle Johnson
Recv Dt: 3/22/2021 12:30 PM

Client Sample ID: 4B
Collection Date: 3/22/2021 10:44 AM
Matrix: AQUEOUS-Saline
Sampler: GJ/RG

Analyses

Carb. Biochemical Oxygen Demand (CBOD) 5 Day

SM 5210 B

Batch: A-040821-029 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Carbonaceous Biochemical Oxygen Demand	1	1	2	U	mg/L
Dilution Factor	1				
Analyzed By	AH				
Analysis Date/Time	03/23/21 14:00				

Nitrite as N

SM 4500-NO2 B

Batch: A-032621-005 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Nitrite as N	0.004	0.004	0.02	U	mg/L
Dilution Factor	1				
Analyzed By	GJ				
Analysis Date/Time	03/24/21 09:15				

Analytical Services Corporation
 921 Hospital Drive, Niceville Florida 32578
 (850) 678-5313 F: (850) 678-5063

Client: City of Destin
Lab ID: AS21MAR22-001-007
Recv By: Gabrielle Johnson
Recv Dt: 3/22/2021 12:30 PM

Client Sample ID: 6B
Collection Date: 3/22/2021 11:03 AM
Matrix: AQUEOUS-Saline
Sampler: GJ/RG

Analyses

Dissolved Oxygen (Field) **SM 4500-O G** **Batch: Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Dissolved Oxygen	11.02	0	0		mg/L

Salinity (Field) **SM 2520 B** **Batch: Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Salinity	21.2	1	2		ppt

Temperature, water (Field) **SM 2550 B** **Batch: Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Temperature	19.0	0	0		Deg C

Fecal Coliforms **SM 9221 E** **Batch: A-032921-006 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Fecal Coliforms	210	1.8	1.8		MPN/100 mL
Analyzed By	AH				
Analysis Date/Time	03/22/21 14:20				

Total Coliforms **SM 9221 B** **Batch: A-032921-007 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Total Coliforms	49	1.8	1.8		MPN/100 mL
Dilution Factor	1				
Analyzed By	AH				
Analysis Date/Time	03/22/21 14:20				

Ammonia as N **EPA 350.1** **Batch: A-040821-003 Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Lab_Cert_Number	E81105				
Ammonia as N	0.05	0.05	0.25	U	mg/L as N
Dilution Factor	1				
Analyzed By	ZD				
Analysis Date/Time	04/05/21 14:26				

Client: City of Destin
Lab ID: AS21MAR22-001-007
Recv By: Gabrielle Johnson
Recv Dt: 3/22/2021 12:30 PM

Client Sample ID: 6B
Collection Date: 3/22/2021 11:03 AM
Matrix: AQUEOUS-Saline
Sampler: GJ/RG

Analyses

Chloride	SM 4500-CL-E	Batch: A-040821-007		Run: 1
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
				<u>Unit</u>
Chloride	11000	1000	4000	mg/L
	Result Comment: Sample too high in Chloride per mg/L to accurately spike. All other OCs passed.			
Dilution Factor	1000			
Analyzed By	KCB			
Analysis Date/Time	03/23/21 13:00			

Chlorophyll-A	SM 10200 H	Batch: A-040821-009		Run: 1
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
				<u>Unit</u>
Chlorophyll-a	2.0	0.1	0.2	ug/L
Dilution Factor	1			
Analyzed By	MLJ			
Analysis Date/Time	04/06/21 09:55			
Lab_Cert_Number	E81105			

Nitrate and Nitrite	EPA 353.2	Batch: A-040821-016		Run: 1
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
				<u>Unit</u>
Lab_Cert_Number	E81105			
Nitrate/Nitrite as N	0.1	0.1	0.5	U mg/L
Dilution Factor	1			
Analyzed By	CEC			
Analysis Date/Time	03/31/21 09:57			

Phosphorus, Total	EPA 365.1	Batch: Run: 1		
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
				<u>Unit</u>
Lab_Cert_Number	E81105			
Phosphorus-total	0.003	0.003	0.015	U mg/L
Dilution Factor	1			
Analyzed By	KCB			
Analysis Date/Time	04/09/21 13:30			

Total Kjeldahl Nitrogen	EPA 351.2	Batch: A-040821-021		Run: 1
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
				<u>Unit</u>
Lab_Cert_Number	E81105			
Total Kjeldahl Nitrogen	0.2	0.2	1	U mg/L as N
Dilution Factor	1			
Analyzed By	ZD			

Analytical Services Corporation
 921 Hospital Drive, Niceville Florida 32578
 (850) 678-5313 F: (850) 678-5063

Client: City of Destin
Lab ID: AS21MAR22-001-007
Recv By: Gabrielle Johnson
Recv Dt: 3/22/2021 12:30 PM

Client Sample ID: 6B
Collection Date: 3/22/2021 11:03 AM
Matrix: AQUEOUS-Saline
Sampler: GJ/RG

Analyses

Total Kjeldahl Nitrogen	EPA 351.2	Batch: A-040821-021	Run: 1
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>
		<u>Qual</u>	<u>Unit</u>
Analysis Date/Time	03/31/21 13:19		

Carb. Biochemical Oxygen Demand (CBOD) 5 Day	SM 5210 B	Batch: A-040821-029	Run: 1
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>
		<u>Qual</u>	<u>Unit</u>
Carbonaceous Biochemical Oxygen Demand	1.0	1	2
Dilution Factor	1		
Analyzed By	AH		
Analysis Date/Time	03/23/21 14:00		

Nitrite as N	SM 4500-NO2 B	Batch: A-032621-005	Run: 1
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>
		<u>Qual</u>	<u>Unit</u>
Nitrite as N	0.004	0.004	0.02
Dilution Factor	1		
Analyzed By	GJ		
Analysis Date/Time	03/24/21 09:15		

Client: City of Destin
Lab ID: AS21MAR22-001-008
Recv By: Gabrielle Johnson
Recv Dt: 3/22/2021 12:30 PM

Client Sample ID: 7
Collection Date: 3/22/2021 11:13 AM
Matrix: AQUEOUS-Saline
Sampler: GJ/RG

Analyses

<i>Dissolved Oxygen (Field)</i>	<i>SM 4500-O G</i>	<i>Batch: Run: 1</i>		
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
Dissolved Oxygen		0	0	mg/L

<i>Salinity (Field)</i>	<i>SM 2520 B</i>	<i>Batch: Run: 1</i>		
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
Salinity	20.13	1	2	ppt

<i>Temperature, water (Field)</i>	<i>SM 2550 B</i>	<i>Batch: Run: 1</i>		
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
Temperature	18.3	0	0	Deg C

<i>Fecal Coliforms</i>	<i>SM 9221 E</i>	<i>Batch: A-032921-006 Run: 1</i>		
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
Fecal Coliforms	2.0	1.8	1.8	MPN/100 mL
Analyzed By	AH			
Analysis Date/Time	03/22/21 14:20			

<i>Total Coliforms</i>	<i>SM 9221 B</i>	<i>Batch: A-032921-007 Run: 1</i>		
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
Total Coliforms	33	1.8	1.8	MPN/100 mL
Dilution Factor	1			
Analyzed By	AH			
Analysis Date/Time	03/22/21 14:20			

<i>Ammonia as N</i>	<i>EPA 350.1</i>	<i>Batch: A-040821-003 Run: 1</i>		
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
Lab_Cert_Number	E81105			
Ammonia as N	0.05	0.05	0.25	U mg/L as N
Dilution Factor	1			
Analyzed By	ZD			
Analysis Date/Time	04/05/21 14:26			

<i>Chloride</i>	<i>SM 4500-CL-E</i>	<i>Batch: A-040821-007 Run: 1</i>		
	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>
Chloride	9900	1000	4000	mg/L
Dilution Factor	1000			

Client: City of Destin
Lab ID: AS21MAR22-001-008
Recv By: Gabrielle Johnson
Recv Dt: 3/22/2021 12:30 PM

Client Sample ID: 7
Collection Date: 3/22/2021 11:13 AM
Matrix: AQUEOUS-Saline
Sampler: GJ/RG

Analyses

Chloride **SM 4500-CL-E** **Batch: A-040821-007** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Analyzed By	KCB				
Analysis Date/Time	03/23/21 13:00				

Chlorophyll-A **SM 10200 H** **Batch: A-040821-009** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Chlorophyll-a	1.9	0.1	0.2		ug/L
Dilution Factor	1				
Analyzed By	MLJ				
Analysis Date/Time	04/06/21 09:55				
Lab_Cert_Number	E81105				

Nitrate and Nitrite **EPA 353.2** **Batch: A-040821-016** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Lab_Cert_Number	E81105				
Nitrate/Nitrite as N	0.1	0.1	0.5	U	mg/L
Dilution Factor	1				
Analyzed By	CEC				
Analysis Date/Time	03/31/21 09:57				

Phosphorus, Total **EPA 365.1** **Batch: A-040821-021** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Lab_Cert_Number	E81105				
Phosphorus-total	0.003	0.003	0.015	U	mg/L
Dilution Factor	1				
Analyzed By	KCB				
Analysis Date/Time	04/09/21 13:30				

Total Kjeldahl Nitrogen **EPA 351.2** **Batch: A-040821-021** **Run: 1**

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Lab_Cert_Number	E81105				
Total Kjeldahl Nitrogen	0.2	0.2	1	U	mg/L as N
Dilution Factor	1				
Analyzed By	ZD				
Analysis Date/Time	03/31/21 13:19				

Analytical Services Corporation
 921 Hospital Drive, Niceville Florida 32578
 (850) 678-5313 F: (850) 678-5063

Client: City of Destin
Lab ID: AS21MAR22-001-008
Recv By: Gabrielle Johnson
Recv Dt: 3/22/2021 12:30 PM

Client Sample ID: 7
Collection Date: 3/22/2021 11:13 AM
Matrix: AQUEOUS-Saline
Sampler: GJ/RG

Analyses

Carb. Biochemical Oxygen Demand (CBOD) 5 Day

SM 5210 B

Batch: A-040821-029 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Carbonaceous Biochemical Oxygen Demand	1.3	1	2	I	mg/L
Dilution Factor	1				
Analyzed By	AH				
Analysis Date/Time	03/23/21 14:00				

Nitrite as N

SM 4500-NO2 B

Batch: A-032621-005 Run: 1

	<u>Result</u>	<u>Detection Limit</u>	<u>Reporting Limit</u>	<u>Qual</u>	<u>Unit</u>
Nitrite as N	0.004	0.004	0.02	U	mg/L
Dilution Factor	1				
Analyzed By	GJ				
Analysis Date/Time	03/24/21 09:15				

Data Qualifier	Qualifier Definition
B	Results based upon colony counts outside the acceptable range. Applies to microbiological tests and specifically to membrane filter colony counts. It is to be used if the colony count is generated from a plate in which the total number of colonies is outside the method indicated ideal range.
D	Measurement was made in the field.
E	Extra samples were taken at composite stations
G	Analyte was detected in both the sample and the associated field, equipment, or trip blank.
H	Value based on field kit determination; results may not be accurate.
I	The reported value is between the laboratory MDL and the laboratory PQL.
J	This qualifier is used when a QC sample does not meet the requirements in the method (ie: duplicate, spike, or control). There will always be a comment explained in the details. Laboratory does not feel that the sample results are compromised.
K	Off-scale low. Actual value is known to be less than the value given.
L	Off-scale high. Actual value is known to be greater than value given.
M	Chemical Analysis: Presence of material is verified but not quantified; the actual value is less than the value given. The reported value shall be the laboratory practical quantitation limit. Species: Male sex
N	Presumptive evidence of presence of material
O	Sampled, but analysis was lost during sample preparation or sample analysis
Q	Sample is either received or analyzed after the holding time. An explanation will be included if the laboratory is at fault.
R	Significant rain in the past 48 hours.
S	Secchi disk visible to bottom of waterbody. The value reported is the depth of the waterbody at the location of the Secchi disk measurement.
T	Value reported is less than the laboratory method detection limit. The value is reported for informational purposes, only and shall not be used in statistical analysis.
U	Compound was analyzed for but not detected.
V	Analyte was detected in both the sample and the associated method blank.
Y	Laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
Z	Too many colonies were present for accurate counting (TNTC), the numeric value shall be estimated from the highest dilution factor (smallest sample volume) used for the test and reported with the qualifier code.
?	Data is rejected and should not be used. Some or all of the quality control data for the analyte were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
*	Not analyzed due to interference.
!	Data deviates from historically established concentration ranges.
•	Not analyzed due to high chlorine content or matrix interference

For more detailed information see: Florida Administrative Code rule chapter 62-160 Table 62-160.700.
 History–New 1-1-91, Amended 2-4-93, 2-27-94, Formerly 17-160.700, Amended 3-24-96, 4-9-02, 6-8-04, 12-3-08, 7-30-14.