



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT CORPS OF ENGINEERS
P. O. BOX 4970
JACKSONVILLE, FLORIDA 32232-0019

CESAJ-RD-NJ (1145)

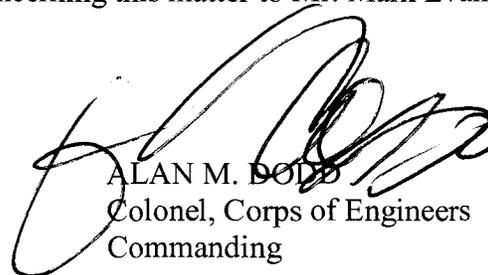
28 JUN 2013

MEMORANDUM FOR LCDR Phillip Lavallo, Public Works Officer, United States Navy,
Mayport Naval Station, Mayport, FL 32228-0112

SUBJECT: Department of the Army Permit Number SAJ-2002-02052

1. The U.S. Army Corps of Engineers (Corps) has completed the review and evaluation of your Department of the Army permit application, number SAJ-2002-02052 (SP-BAL). Our regulations require that you have an opportunity to review the terms and conditions prior to final signature by the Department of the Army. Enclosed is an unsigned Department of the Army permit instrument (permit). Please read carefully the Special Conditions beginning on page 3 of the permit. These were developed to apply specifically to your project.
2. The permit must be signed by the applicant in the space provided on the signature page of the permit. The party responsible for assuring the work is done in accordance with the permit terms and conditions must sign the permit. Please type or print the name and title of the person signing below the signature and the date signed. The permit will be signed by the Corps and returned to you. It is important to note that the permit is not valid until the Corps signs it.
3. This permit supersedes the permit authorized on 2 July 2010, under the same permit number, which is no longer valid.
4. Please address any questions concerning this matter to Mr. Mark Evans, at (904) 232-2028.

Encl


ALAN M. DOBB
Colonel, Corps of Engineers
Commanding

CF:
Hollingsworth, michael.j.hollingsworth@usace.army.mil
Weatherby, jessica.weatherby@usace.army.mil



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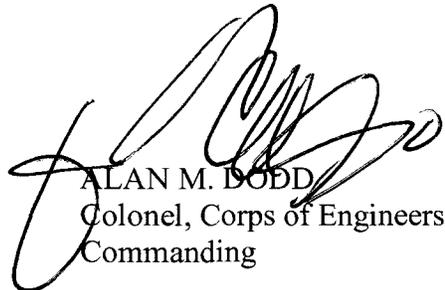
CESAJ-RD-NJ (1145)

MEMORANDUM FOR LCDR Phillip Lavallo, Public Works Officer, United States Navy,
Mayport Naval Station, Mayport, FL 32228-0112

SUBJECT: Department of the Army Permit Number SAJ-2002-02052

1. The U.S. Army Corps of Engineers (Corps) is pleased to enclose the Department of the Army permit, which should be available at the construction site. Work may begin immediately but the Corps must be notified of:
 - a. The date of commencement of the work,
 - b. The dates of work suspensions and resumptions of work, if suspended over a week, and
 - c. The date of final completion.
2. This information should be sent to the Enforcement Section of the Regulatory Division of the Jacksonville District at Post Office Box 4970, Jacksonville, Florida 32232-0019. The Enforcement Section is also responsible for inspections to determine whether Permittees have strictly adhered to permit conditions.
3. Please address any questions concerning this matter to Ms. Bev Lawrence, at (904) 232-2517.

Encl


ALAN M. DODD
Colonel, Corps of Engineers
Commanding

CF:

Hollingsworth, michael.j.hollingsworth@usace.army.mil
Weatherby, jessica.weatherby@usace.army.mil

DEPARTMENT OF THE ARMY PERMIT

Permittee: Public Works Officer
Attn: Lt. Commander Phillip Lavalley
United States Navy
Mayport Naval Station (NAVSTA)
Mayport, Florida 32228-0112

Permit No: SAJ-2002-02052-(SP-BAL)

Issuing Office: U.S. Army Engineer District, Jacksonville

NOTE: The term "you" and its derivatives, as used in this permit, means the permittee or any future transferee. The term "this office" refers to the appropriate district or division office of the Corps of Engineers having jurisdiction over the permitted activity or the appropriate official of that office acting under the authority of the commanding officer.

You are authorized to perform work in accordance with the terms and conditions specified below.

Project Description: To biennially maintenance dredge 400,000 cubic yards of dredged material within the western section of the turning basin, the destroyer slip and the emergency boat basin at the Mayport Naval Station. The western section of the turning basin will be maintenance dredge to -44 feet (ft) Mean Lower Low Water (MLLW) (42 ft depth plus 2 ft allowable over depth). The destroyer slip will be maintenance dredge to -37ft MLLW (35 ft depth plus 2 ft allowable over depth). The emergency boat basin will be maintenance dredged to -29ft MLLW (27 ft depth plus 2 ft allowable over depth) except for a small section in the northeast corner that will be dredged to -14 ft plus 2 ft allowable over depth. The dredged material will be transported and disposed of in the Jacksonville Ocean Dredged Material Disposal Site (ODMDS). The work described above is to be completed in accordance with the 3 pages of drawings dated June 25, 2013 and attachments affixed at the end of this permit instrument.

Project Locations:

Dredge Location: The Mayport Naval Station is located in navigable waters of the United States at the mouth of the St. Johns River in Section 28, Township 1 South, Range 29 East, Jacksonville, Duval County, Florida. The center coordinates for the ship basin are Latitude 30.39438° and Longitude -81.41080°.

Jacksonville Ocean Dredged Material Disposal Site (ODMDS) Location: The Jacksonville ODMDS is located in the Atlantic Ocean and is a 1 nautical mile (nmi) by 1 nmi square area. The site is approximately 4.5 nmi offshore. The corners of the Jacksonville offshore site (NAD83) have been identified as:

PERMIT NUMBER: SAJ-2002-02052(SP-BAL)
PERMITTEE: United States Navy
PAGE 2 of 15

Northwest Latitude 30.3587°, Longitude -81.3093°
Northeast Latitude 30.3587°, Longitude -81.2903°
Southwest Latitude 30.3420°, Longitude -81.3093°
Southeast Latitude 30.3420°, Longitude -81.2903°

Permit Conditions

General Conditions:

1. The time limit for completing the work authorized under Section 103 of the Marine Protection, Research and Sanctuaries Act ends on 28 June 2016. The time limit for completing the work authorized under Section 10 of the Rivers and Harbor Act ends on 28 June 2023. If you find that you need more time to complete the authorized activity, submit your request for a time extension to this office for consideration at least one month before the above date is reached.
2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.
3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and State coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.
4. If you sell the property associated with this permit, you must obtain the signature and the mailing address of the new owner in the space provided and forward a copy of the permit to this office to validate the transfer of this authorization.
5. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit. For your convenience, a copy of the certification is attached if it contains such conditions.
6. You must allow representatives from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

Special Conditions:

PERMIT NUMBER: SAJ-2002-02052(SP-BAL)
PERMITTEE: United States Navy
PAGE 3 of 15

Special Conditions:

1. Reporting: The Permittee shall ensure reports, notifications, documentation and correspondence required by the general or special conditions of this DA permit are submitted to the Corps at saj-rd-enforcement@usace.army.mil and to the U.S. Environmental Protection Agency at: mcarthur.christopher@epamail.epa.gov. The Permittee shall reference in the subject line of the email the DA permit number, SAJ-2002-02052 (SP-BAL) and the type of submittal.

2. Commencement & Completion Notification: The Permittee shall provide to the Corps and EPA written notification of the date of commencement of work authorized by this permit at least 15 days before initiation of any dredging operations authorized by this permit and a completion notification no less than 15 days after the completion of the dredging operation.

3. Cubic Yards of Dredged Material: No more than 1,300,000 cubic yards of dredged material is authorized for disposal for this project in the Jacksonville ODMDS

4. Loss of Material: This permit does not authorize excessive leakage, overflow, or spill out of barges, dump scows, or hopper dredges of water and excavated material while en route to the Jacksonville ODMDS Release Zone. Failure to repair leaks or change the method of operation which is resulting in the leakage, overflow, or spillage will result in suspension of dredging operations and require prompt repair or change of operation to prevent overflow, leakage, or spillage as prerequisite to the resumption of dredging. Excessive leakage is defined by average loss of draft during transit from the dredging area to the disposal area (forward draft loss plus aft draft loss divided by 2) in excess of 18 inches. Once excessive leakage is discovered, it shall be reported immediately as directed in special condition 5 below.

5. Disposal Operations Compliance: The Permittee shall ensure the vessel(s) used to transport dredged material to the Jacksonville ODMDS complies with the disposal operation conditions defined in the permit. If a violation occurs: a) the permittee shall report the violation to the contracting officer's representative immediately at (904) 232-2086 and to EPA's Ocean Dumping Coordinator immediately at (404) 562-9391. b) written notification including a narrative description of the violation shall be emailed to the Corps at CESAJ-ComplyDocs@usace.army.mil and to the U.S. Environmental Protection Agency at: mcarthur.christopher@epamail.epa.gov within twenty-four (24) hours after the violation occurs. The Permittee shall reference in the subject line of the email the DA permit number, SAJ-2002-02052 (SP-BAL) and the type of violation.

6. Disposal Zone: The Permittee shall ensure that disposal initiation occurs while the hopper dredge or disposal barge or scow are completely inside the boundaries of the **disposal release zone**. The boundaries of the release zones are defined in Special Condition 7.

PERMIT NUMBER: SAJ-2002-02052(SP-BAL)
 PERMITTEE: United States Navy
 PAGE 4 of 15

a. The Permittee shall ensure the hopper dredge, disposal barge or scow doors shall be in the closed position and all discharge of material has ceased before the disposal vessel leaves Jacksonville ODMDS boundary.

b. The Permittee shall ensure that dredged material shall be placed such that no point will depths less than -25 feet MLLW occur. (i.e., a clearance of 25 feet above the bottom will be maintained).

7. Restricted Disposal Area: There are two scenarios in which the dredged material is authorized for disposal at the Jacksonville ODMDS. They include a large load release zone (Scenario 1) and restricted dredged material disposal volumes (Scenario 2) that are depicted on page 3 of the drawings.

Disposal Scenario 1: Maximum Disposal Volume with Restricted Disposal Area (LARGE LOAD RELEASE ZONE)

Single load volumes of dredged material **greater than or equal** to the volumes given in Table 2 can be disposed ONLY in a restricted disposal release zone referred to as “Large Load Disposal Release Zone”. Large Load disposal release zone coordinates are given in Table 1.

Table 1. Disposal Scenario 1, disposal release zone coordinates for no load volume restrictions (LARGE LOAD RELEASE ZONE)

	Geographic (NAD83)		State Plane (FL East 0901 Ft NAD83)	
NW Corner	30.357167°	-81.307667°	2189965 N	559131 E
NE Corner	30.357167°	-81.298000°	2189952 N	562171 E
SW Corner	30.353000°	-81.307667°	2188425 N	559131 E
SE Corner	30.353000°	-81.298000°	2188425 N	562171 E

Disposal Scenario 2: Dredged material disposal volumes restrictions

Single load volumes of dredged material **less than** the volumes given in Table 2 can be disposed in the disposal release zone. (This release zone is the same as given in the Jacksonville ODMDS Site Management and Monitoring Plan 2010 revisions.) Coordinates for this release zone are given in Table 3 below.

Table 2. Disposal Scenario 2 – maximum per load disposal volumes per dredge type.

Dredging Area	Maximum Disposal Volume		
	Hopper	Cutter (Scow)	Mechanical (Scow)
Western Section of Turning Basin (42' depth)	7,400 cubic yards	7,400 cubic yards	9,000 cubic yards
Destroyer Slip & Emergency Boat Basin	8,150 cubic yards	8,150 cubic yards	8,400 cubic yards

Table 3. Disposal Scenario 2 - Disposal Release Zone coordinates for load volume restrictions

	Geographic (NAD83) decimal degree		State Plane (FL East 0901 Ft NAD83)	
	NW Corner	30.3572°	-81.3077°	2189965 N
NE Corner	30.3572°	-81.2920°	2189952 N	564089 E
SW Corner	30.3433°	-81.3077°	2184904 N	559117 E
SE Corner	30.3433°	-81.2920°	2184891 N	564076 E

8. Electronic Tracking System: The Permittee shall use an electronic tracking system (ETS) that will continuously track the horizontal location and draft condition of the disposal vessel (hopper dredge or disposal barge or scow) to and from the Jacksonville ODMDS. Data shall be collected at least every 500 feet during travel to and from the ODMDS and every minute or every 200 feet of travel, whichever is smaller, while approaching within 1,000 feet and within the ODMDS. The Permittee shall use Florida State Plane or latitude and longitude coordinates (North American Datum 1983). State Plane coordinates shall be reported to the nearest foot and latitude and longitude coordinates shall be reported as decimal degrees out to 6 decimals. Westerly longitudes are to be reported as negative. Draft readings shall be recorded in feet out to 2 decimals. If the electronic positioning system fails or navigation problems are detected, all disposal operations shall cease until the failure or navigation problems are corrected.

9. Load Data: The Permittee shall record electronically for each load the following information:

- a. Load Number
- b. Disposal Vessel or Scow Name
- c. Tow Vessel Name (if scow used)
- d. Captain of Disposal or Tow Vessel
- e. Estimated volume of Load
- f. Description of Material Disposed
- g. Source of Dredged Material
- h. Date, Time and Location at Start at Initiation and Completion of Disposal Event

- i. The ETS data required by the **Electronic Tracking System** Special Condition.

10. Bathymetric Survey: The Permittee shall conduct a bathymetric survey of the Jacksonville ODMDS within 90 days prior to project disposal and within 60 days following project completion in accordance with the following:

- a. The number and length of the survey transects shall be sufficient to encompass the Jacksonville ODMDS and a 500 foot wide area around the site. The transects shall be spaced at 500-foot intervals or less.

- b. Vertical accuracy of the survey shall be +/-0.5 feet. Horizontal location of the survey lines and depth sounding points will be determined by an automated positioning system utilizing either microwave line of site system or differential global positioning system. The vertical datum shall be mean lower low water (m.l.l.w) and the horizontal datum shall use Florida State Plane or latitude and longitude coordinates (North American Datum 1983). State Plane coordinates shall be reported to the nearest 0.10 foot and latitude and longitude coordinates shall be reported as decimal degrees to 6 decimal points.

11. Electronic Data: The Permittee shall provide electronic data required by the **Electronic Tracking System** and **Load Data** Special Conditions above to EPA Region 4 on a weekly basis. The data shall be submitted as an eXtensible Markup Language (XML) document via Internet e-mail to DisposalData.R4@epa.gov. XML data file format specifications are available from EPA Region 4.

12. Post-Disposal Data: The Permittee shall submit Post-Disposal Data to the Corps and EPA at the address referenced in the **Reporting Addresses** Special Condition above documenting compliance with all general and special conditions defined in this permit. The Post-Disposal Data shall be sent within 90 days after completion of the disposal operations authorized by this permit. The Post-Disposal Data shall include the following information:

- a. The report shall indicate whether all general and special permit conditions were met. Any violations of the permit or the general and special conditions shall be explained in detail.

- b. The **Disposal Summary Report** shall include the following information: dredging project title; dates of disposal; permit number and expiration date; name of contractor conducting the work; name and type of vessel(s) disposing material in the ODMDS; disposal timeframes for each vessel; volume disposed at the ODMDS (as paid *in situ* volume, total paid and un paid *in situ* volume, and gross volume reported by dredging contractor); number of loads to ODMDS; type of material disposed at the ODMDS; identify any misplaced material (outside disposal zone or the ODMDS boundaries) and associated impacts; dates of pre-disposal and post-disposal bathymetric surveys of the ODMDS; and a narrative discussing any violation(s) of the 103

PERMIT NUMBER: SAJ-2002-02052(SP-BAL)
PERMITTEE: United States Navy
PAGE 7 of 15

permit (if applicable). The disposal summary report shall be accompanied by the bathymetry survey results (plot and X, Y, Z, ASCII data file).

13. Regional Biological Opinion: The 1997 South Atlantic Regional Biological Opinion (RBO) for swimming sea turtles, whales, and sturgeon can be found at the following web address: <http://el.erdc.usace.army.mil/seaturtles/refs-bo.cfm>. The RBO contains mandatory terms and conditions to implement the reasonable and prudent measures that are associated with “incidental take” that is specified in the RBO. Your authorization is conditional upon your compliance with all of the mandatory terms and conditions associated with the incidental take of the RBO, which terms and conditions are incorporated by reference in the permit. Failure to comply with the terms and conditions associated with the incidental take of the RBO, where a take of the listed species occurs, would constitute an unauthorized take, and it would also constitute non-compliance with your Corps permit. However, depending on the affected species NMFS is the appropriate authority to determine compliance with the terms and conditions of its RBO and with the Endangered Species Act (ESA). For further clarification on this point, you should contact NMFS. Should they determine that the conditions of the RBO have been violated, normally they will enforce the violation of the ESA, or refer the matter to the Department of Justice.

14. Site Management and Monitoring Plan: The Permittee shall comply with the conditions of the current Jacksonville ODMDM Site Management and Monitoring Plan, and any revisions. The current 2007 SMMP with 2010 revisions can be found at the following web address: <http://www.epa.gov/region4/water/oceans/sites.html>. The Permittee shall not transport dredged material to the Jacksonville ODMDM until concurrency is granted by EPA that the proposed dredge material meets the Ocean Disposal Criteria as given in 40 CFR 227.

15. Manatee Conditions: The Permittee shall comply with the “Standard Manatee Conditions for In-Water Work - 2011” attached to the permit.

16. Manatee & Marine Turtles: All in-water operations, including vessels, will be shutdown if a manatee(s) or marine turtle(s) comes within 50 feet of in-water operations. Observers will notify the operators if manatees or marine turtles enter within the designated safety distances. Activities will not resume until the manatee(s) or marine turtle(s) has moved beyond the 50-foot radius of the project operation, or until 30 minutes elapses if the manatee(s) or marine turtle(s) has not reappeared within 50 feet of the operation. Animals will not be herded away or harassed into leaving. All contracted workers and observers will be provided a copy of these special conditions related to maintenance dredging work.

17. Mooring Fenders or Buoys: The Permittee shall install and maintain mooring fenders or buoys to provide sufficient standoff space of at least four feet (under maximum compression) between vessels and bulkheads, and also between two vessels that are moored together to prevent the crushing of a manatee.

18. Clamshell Operations: During clamshell operations, the dredge operator will gravity-release the clamshell bucket beginning at the water's surface, and only after confirmation that there are no manatees or marine turtles within the 50-foot safety distance identified in the standard conditions. In order to better observe manatees and marine turtles during nighttime clamshell operations, the Permittee will use lights to illuminate the water surface within 200 feet of the operation hoist line (cable attached to bucket). The light intensity will be a minimum of 54 lux (5 foot candles) at the water surface throughout this illuminated area including the edge. The Permittee will have a handheld spotlight with a minimum of 10,000,000 candle power available to assist when appropriate in the detection of manatees and marine turtles immediately outside of this illuminated area. The Permittee will measure the size of the illuminated area, intensity of the specified illumination, and assess its direct visibility from adjacent beaches, prior to commencement of the project. No night-time operations will commence or continue if one or more of these lighting parameters do not comply with the required specifications.

19. Observers:

a. The Permittee shall ensure that when in-water work is being performed or vessels are moving, at least one person will be designated as protected marine animal observer. For clamshell operations, that observer shall be stationed in a position to clearly observe the point of entry and exit of the clamshell bucket, as well as the waters surrounding that operation to a radius of 200 feet around the bucket entry/exit point.

b. Only individuals having previous, multiple on-water experiences serving as dedicated, protected marine animal observers during daytime and nighttime dredging operations, including clamshell dredging, shall serve in this capacity for the proposed work. The Permittee shall retain a record that includes proof of the observer's qualifications, such as, the observer's name, project title and location, and dates per project serving as dedicated observers and is available when requested. The protected marine animal observers will be on site during all in-water construction activities and will advise personnel to cease operation upon sighting a manatee or marine turtle within 50 feet of any in-water construction. Observers will be equipped with binoculars and polarized sunglasses to assist with observations during daylight operations. If the dedicated observers determine that detection of manatees during certain weather conditions (i.e. fog, rain, wind, etc.) is not possible, the Permittee will cease operation until weather conditions improve and detection is again possible. The observers will record all bad weather conditions and any issues of non-compliance on their logs.

20. Reporting: No later than 15 calendar days prior to the commencement of each dredging event, notification of the actual start date and expected completion date, as well as the names, contact information, and experience of the selected observers will be sent to the U.S. Fish and Wildlife Service (USFWS), (Attn: John Milio) 7915 Baymeadows Way, Suite 200, Jacksonville, FL 32256-7517. All observers will maintain a daily log that details sightings, collisions, or injuries to protected marine animals, as well as project specific information such as work

itinerary, weather, work shutdowns, observer shift changes, etc. In regard to manatee behavior, the observers will also log time of observation, estimated distance of manatees from the dredge, type of behavior (such as passing through, pausing in the vicinity of the project, interacting with the dredge, scows, tugs, etc., attracted to running or dripping water), the detection method (i.e. unaided visual, spotlight, etc.) and whether the dredge is operating at the time of observation. A final report for each dredging event will be written, summarizing all activities noted in the daily observer logs, the location and name of project, and the dates and times of work. The Permittee will ensure that the logs and report will be submitted within 30 days following project completion to the USFWS.

21. Lighting: The Permittee shall ensure that from May 1 through October 31, all project lighting will be limited to the immediate area of active construction/transportation only and will be the minimal lighting necessary to comply with U.S. Coast Guard, USACE and/or OSHA requirements. The contractor shall use low pressure sodium lighting to the maximum extent consistent with the above requirements.

Hopper Dredging Conditions

22. Hopper Dredging Reporting: The Permittee shall ensure all reports, notifications, documentation and correspondence required by the general or special conditions of this DA permit are submitted to the Corps at the following email address: HopperDocs@usace.army.mil. Requests for documents, forms or information should also be submitted to the Corps at this email address. The Permittee shall reference this DA permit number, SAJ-2002-02052-(SP-BAL), SARBO and include the topic in the subject line of the email and on all submittals.

23. Deflector Device Submittal: No dredging shall be performed by a hopper dredge without the inclusion of an approved rigid sea turtle deflector device. The Permittee shall ensure that drawings of the proposed sea turtle deflector device and the Hopper Dredge Deflector Device Checklist form (Attachment 1) are complete and all required documentation submitted to the Corps, at least 30 days prior to initiating the authorized work. The Permittee shall not commence hopper dredging until approval of the sea turtle deflector device has been granted by the Corps. A copy of the approved drawings, calculations and signed Hopper Dredge Deflector Device Checklist form shall be available on the vessel during dredging operations.

24. Pre-Dredging Inspection Submittal: The Permittee shall submit the completed Hopper Dredge Pre-Dredge Inspection Checklist form (Attachment 2) to the Corps, at least 5 days prior to initiating the authorized work.

25. Dredging Quality Management: Dredging and dredged material disposal and monitoring of dredging projects using the Dredging Quality Management (DQM) system shall be implemented for this DA permit. The Permittee shall ensure that each hopper dredge assigned to the work authorized by this DA permit is equipped with DQM. The Permittee's DQM system

must have been certified by the DQM Support Team within one calendar year prior to the initiation of the dredging/disposal. Questions regarding certification should be addressed to the DQM Support Center at 251-690-3011. Additional information about the DQM System can be found at <http://dqm.usace.army.mil>. The Permittee is responsible for insuring that the DQM system is operational throughout the dredging and disposal project and that project data are submitted to the DQM National Support Center in accordance with the specifications provided at the aforementioned website. The data collected by the DQM system shall, upon request, be made available to the Regulatory Division of the U.S. Army Corps of Engineers - Jacksonville District.

26. Commencement Notification: Within 3 days from the date of initiating the authorized work, the Permittee shall provide to the Corps, the completed Hopper Dredge Startup Inspection Checklist form (Attachment 3) with a written notification of the date of commencement of work authorized by this DA permit. An inspection of the hopper dredge will be scheduled and performed by the Corps after receipt of the notification of commencement.

27. Incidental Take Statement: This permit does not authorize the Permittee to take an endangered species, in particular sea turtles, sturgeon, whales or any other endangered species listed in the SARBO. The SARBO includes an Incidental Take Statement (ITS) issued to the Corps. The Permittee understands and agrees that, even where it is in full compliance with the terms and conditions of the SARBO ITS and this DA permit, incidental take by the Permittee or other hopper dredging operations within the area covered by the SARBO may result in suspension or modification of this DA permit by the Corps. The amount of incidental take that will trigger suspension, and the need for any such suspension, shall be determined at the discretion of the Corps. The Permittee understands and agrees on behalf of itself, its agents, contractors, and other representatives, that no claim, legal action in equity or for damages, adjustment, or other entitlement against the Corps shall arise as a result of such suspension or related action.

28. Endangered Species Observers: During dredging operations, NMFS approved endangered species observers (Observer) shall be aboard each hopper dredge to monitor for the presence of endangered species including sea turtles, sturgeon, whales and manatees. Observers shall perform their observations 24hr/day and every day during dredging operation.

- a. During transit to and from the disposal area, the Observer shall monitor from the bridge during daylight hours for the presence of endangered species, especially the Northern right whale, during the period December through March.
- b. During dredging operations, while dragheads are submerged, the Observer shall continuously monitor the inflow and/or overflow screening for turtles and/or turtle parts and sturgeon and/or sturgeon parts.
- c. Upon completion of each load cycle, dragheads should be monitored as the draghead is lifted from the sea surface and is placed on the saddle in order to assure that sea turtles that may be impinged within the draghead are counted and recorded. The Observer shall

physically inspect dragheads and inflow and overflow screening/boxes for threatened and endangered species take. The Observer shall identify, count and record sea turtle or sturgeon parts during the inspection of the inflow and overflow screening/boxes. All debris shall be removed from the screening/boxes after the inspection is complete so as not to impede the functioning of the screens during the next load cycle.

- d. The Observer shall maintain a log detailing all incidents, including sightings, collisions with, injuries to, or killing of endangered species during dredging operations. The data shall be recorded daily on the Observer forms which are located at the following web site under the heading "Turtle Information": <http://el.erdc.usace.army.mil/seaturtles>. If the permittee is unable to view the Observer forms at this website the permittee shall contact the Corps to receive a copy of the Observer forms. Completed observer forms shall be submitted to the Corps at the end of each day as identified in the reporting special condition. A Summary Report of the above incidents and sightings shall be submitted to the Corps within 15 days of project completion.

29. Observer Equipment: The Permittee shall provide a digital camera, with an image resolution capability of at least 300 dpi, in order to photographically report all incidental takes, without regard to species, during dredging operations. Immediately following the incidental take of any threatened or endangered species, images shall be submitted to the Corps in a .JPG or .TIF format and shall accompany incidental take forms. The nature of findings shall be fully described in the incidental take forms including references to photographs.

30. Incidental Take: The Permittee shall immediately cease all hopper dredging operations and notify the Corps upon discovery of an incidental take of a sea turtle or sturgeon. The Permittee shall not resume hopper dredging until notified by the District Engineer, or his designee. The Sea Turtle Incidental Take Data form which is located at the following web site under the heading "Turtle Information" Observer Forms: <http://el.erdc.usace.army.mil/seaturtles> will be filled out by the Observer and shall be submitted to the Corps with photographic documentation within 6 hours of the take event.

Further Information:

1. Congressional Authorities: You have been authorized to undertake the activity described above pursuant to:

(X) Section 10 of the Rivers and Harbors Act of 1899
(33 U.S.C. 403).

() Section 404 of the Clean Water Act (33 U.S.C. 1344).

(X) Section 103 of the Marine Protection, Research and Sanctuaries Act of 1972 (33 U.S.C. 1413).

2. Limits of this authorization.

- a. This permit does not obviate the need to obtain other Federal, State, or local authorizations required by law.
- b. This permit does not grant any property rights or exclusive privileges.
- c. This permit does not authorize any injury to the property or rights of others.
- d. This permit does not authorize interference with any existing or proposed Federal projects.

3. Limits of Federal Liability. In issuing this permit, the Federal Government does not assume any liability for the following:

- a. Damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes.
- b. Damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest.
- c. Damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit.
- d. Design or construction deficiencies associated with the permitted work.
- e. Damage claims associated with any future modification, suspension, or revocation of this permit.

4. Reliance on Applicant's Data: The determination of this office that issuance of this permit is not contrary to the public interest was made in reliance on the information you provided.

5. Reevaluation of Permit Decision: This office may reevaluate its decision on this permit at any time the circumstances warrant. Circumstances that could require a reevaluation include, but are not limited to, the following:

- a. You fail to comply with the terms and conditions of this permit.
- b. The information provided by you in support of your permit application proves to have been false, incomplete, or inaccurate (see 4 above).

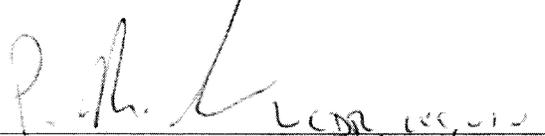
PERMIT NUMBER: SAJ-2002-02052(SP-BAL)
PERMITTEE: United States Navy
PAGE 13 of 15

c. Significant new information surfaces which this office did not consider in reaching the original public interest decision.

Such a reevaluation may result in a determination that it is appropriate to use the suspension, modification, and revocation procedures contained in 33 CFR 325.7 or enforcement procedures such as those contained in 33 CFR 326.4 and 326.5. The referenced enforcement procedures provide for the issuance of an administrative order requiring you comply with the terms and conditions of your permit and for the initiation of legal action where appropriate. You will be required to pay for any corrective measures ordered by this office, and if you fail to comply with such directive, this office may in certain situations (such as those specified in 33 CFR 209.170) accomplish the corrective measures by contract or otherwise and bill you for the cost.

6. Extensions: General Condition 1 establishes a time limit for the completion of the activity authorized by this permit. Unless there are circumstances requiring either a prompt completion of the authorized activity or a reevaluation of the public interest decision, the Corps will normally give favorable consideration to a request for an extension of this time limit.

Your signature below, as permittee, indicates that you accept and agree to comply with the terms and conditions of this permit.

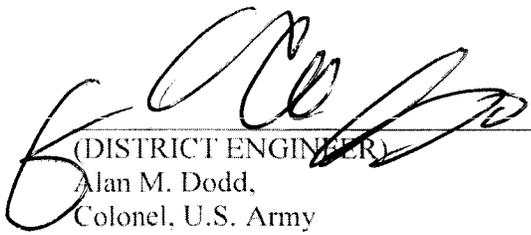


(PERMITTEE)

28 JUNE 2013
(DATE)

PHILLIP M. CAVALLE
(PERMITTEE NAME-PRINTED)

This permit becomes effective when the Federal official, designated to act for the Secretary of the Army, has signed below.



(DISTRICT ENGINEER)
Alan M. Dodd,
Colonel, U.S. Army
District Commander

28 JUNE 2013
(DATE)

PERMIT NUMBER: SAJ-2002-02052(SP-BAL)

PERMITTEE: United States Navy

PAGE 14 of 15

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 below.

(TRANSFEREE-SIGNATURE)

(DATE)

(NAME-PRINTED)

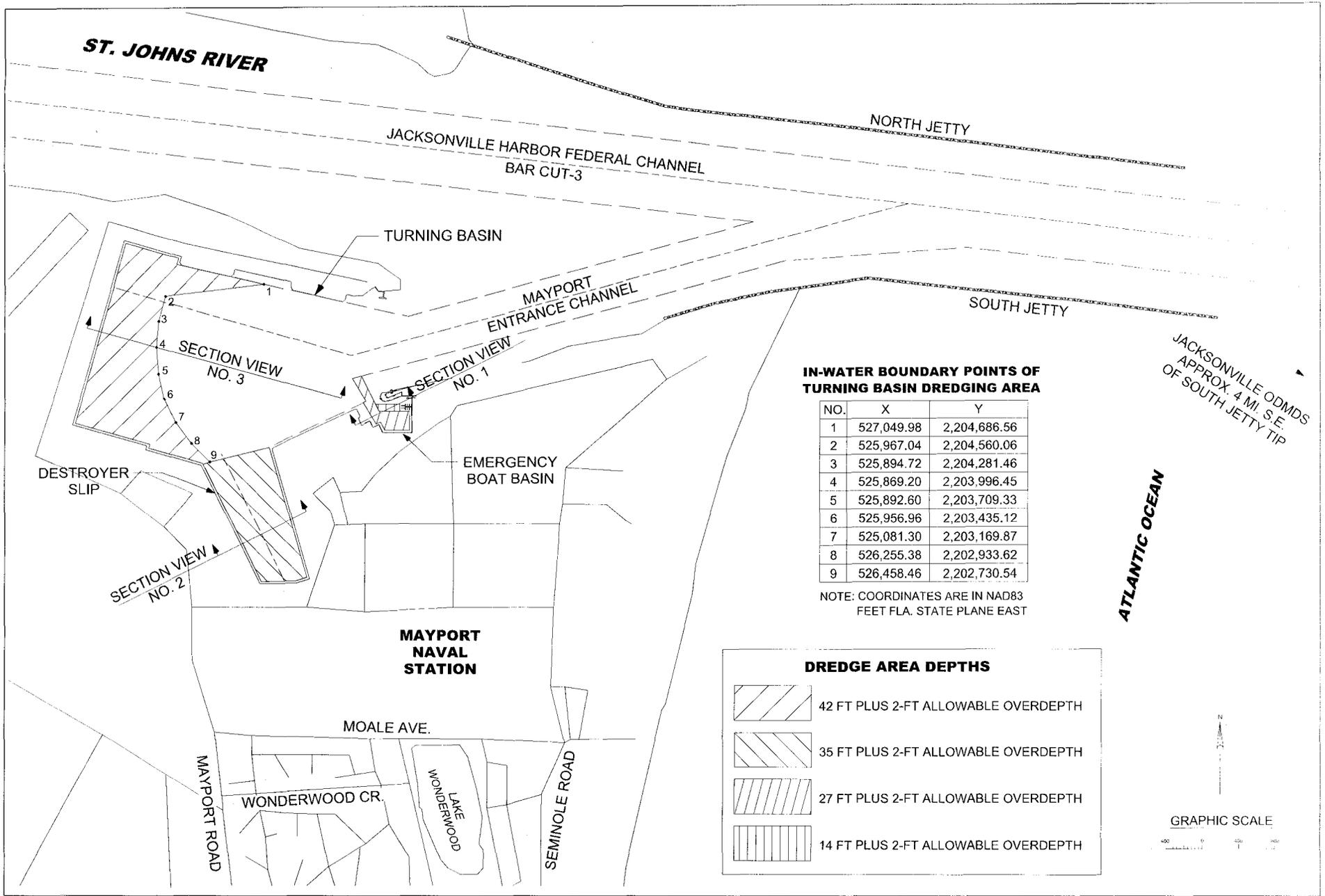
(ADDRESS)

(CITY, STATE, AND ZIP CODE)

PERMIT NUMBER: SAJ-2002-02052(SP-BAL)
PERMITTEE: United States Navy
PAGE 15 of 15

***Attachments to Department of the Army
Permit Number SAJ-2002-02052(SP-BAL)***

1. PERMIT DRAWINGS: 3 pages, dated June 25, 2013
2. MANATEE CONDITIONS: 2 pages, *Standard Manatee Conditions for In-Water Work – 2011*
3. HOPPER DREDGE DEFLECTOR DEVICE CHECKLIST: 2 pages, Attachment 1
4. HOPPER DREDGE PRE-DREDGE INSPECTION CHECKLIST: 2 pages, Attachment 2
5. HOPPER DREDGE STARTUP INSPECTION CHECKLIST: 2 pages, Attachment 3



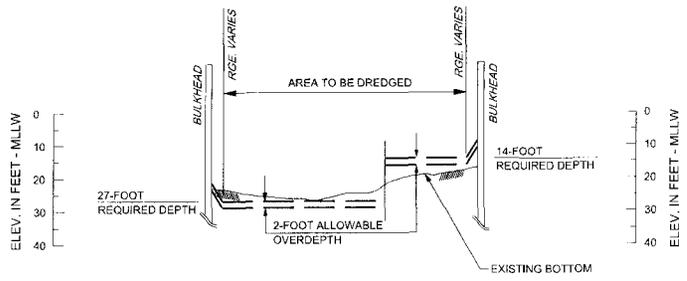
US Army Corps
of Engineers
Jacksonville
District

**PERMIT DRAWING
NOT FOR CONSTRUCTION**

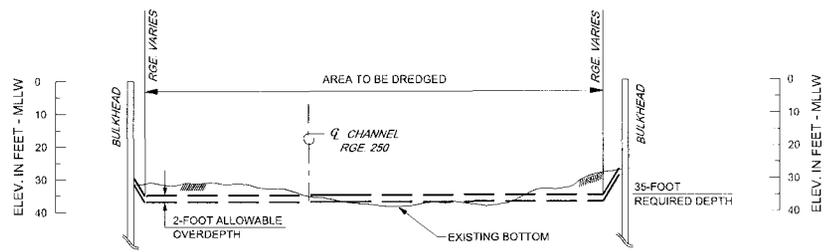
DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

U.S. NAVAL STATION MAYPORT MAIN
DEPARTMENT OF THE ARMY PERMIT
PROJECT OVERVIEW
MARCH 2013

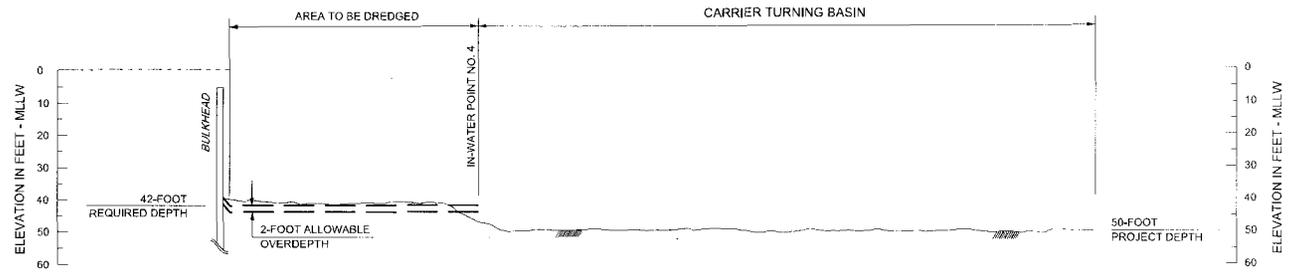
U.S. ARMY CORPS OF ENGINEERS
SAJ-2002-02052(SP-BAL)
DATE: 25 JUNE 2013
DRAWING PAGE: 1 OF 3



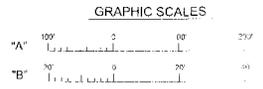
SECTION VIEW NO. 1
EMERGENCY BOAT BASIN
 SCALES: HORIZ. "A"
 VERT. "B"



SECTION VIEW NO. 2
DESTROYER SLIP
 SCALES: HORIZ. "A"
 VERT. "B"



SECTION VIEW NO. 3
TURNING BASIN
 SCALES: HORIZ. "A"
 VERT. "B"



US Army Corps
 of Engineers
 Jacksonville
 District

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DEPARTMENT OF THE ARMY
 JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
 JACKSONVILLE, FLORIDA

U.S. NAVAL STATION MAYPORT MAI'
 DEPARTMENT OF THE ARMY PERM
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MARCH 2013

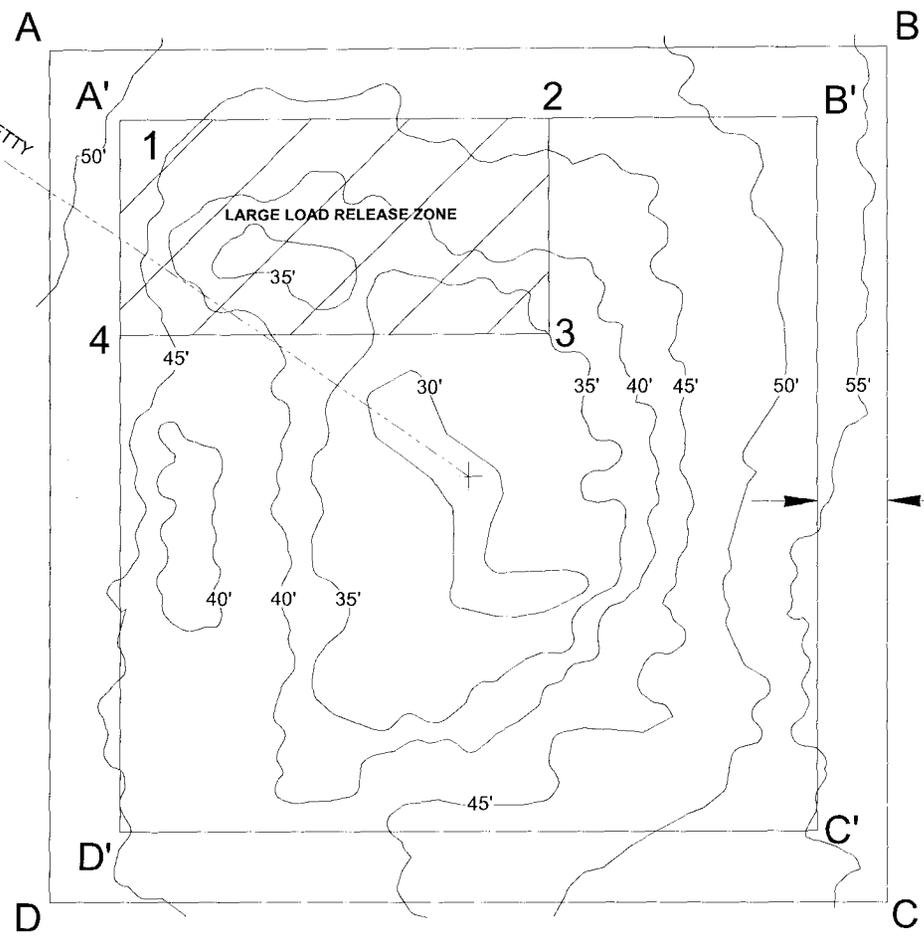
U.S. ARMY CORPS OF ENGINEERS
 SAJ-2002-02052(SP-BAL)
 DATE: 25 JUNE 2013
 DRAWING PAGE: 2 OF 3

ATLANTIC OCEAN

NOTES:

1. MAXIMUM ALLOWABLE HEIGHT OF DREDGED MATERIAL PLACEMENT IS -27 FT MLLW.
2. DEPTH CONTOURS ARE BASED ON SURVEY NO. 12-107 PERFORMED BY U.S. ARMY CORPS OF ENGINEERS 11 APRIL 2012.
3. DEPTHS ARE IN FEET AND TENTHS AND REFER TO THE NOAA REPORTED MEAN LOWER LOW WATER (MLLW) TIDAL DATUM RELATIVE TO THE 1983-2001 TIDAL EPOCH.
4. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE EAST ZONE OF FLORIDA AND REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD 83).

4.4 MILES TO TIP OF SOUTH JETTY



ODMDS BOUNDARY		
PLANE COORDINATES		
	X	Y
A	558,632	2,190,467
B	564,590	2,190,451
C	564,575	2,184,390
D	558,616	2,184,405
RELEASE ZONE BOUNDARY		
A'	559,131	2,189,965
B'	564,089	2,189,952
C'	564,076	2,184,891
D'	559,117	2,184,904
LARGE LOAD RELEASE ZONE BOUNDARY		
1	559,131	2,189,965
2	562,171	2,189,952
3	562,171	2,188,425
4	559,131	2,188,425

← 500-FT BUFFER

LARGE LOAD VOLUME LIMITS			
DREDGING UNIT	DISPOSAL VOLUME (CUBIC YARDS)		
	HOPPER	CUTTERHEAD (SCOW)	MECHANICAL (SCOW)
E-MP12-1	7,400	7,400	9,000
E-MP12-2	8,150	8,150	8,400

NOTE:
SINGLE LOADS OF VOLUMES EQUAL TO OR GREATER THAN THE VOLUMES GIVEN IN THIS TABLE SHALL BE PLACED IN THE "LARGE LOAD RELEASE ZONE"

GRAPHIC SCALE



JACKSONVILLE ODMDS



US Army Corps of Engineers
Jacksonville District

**PERMIT DRAWING
NOT FOR CONSTRUCTION**

**DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA**

**U.S. NAVAL STATION MAYPORT MAIN'
DEPARTMENT OF THE ARMY PERMIT
JACKSONVILLE ODI
MARCH 2013**

**U.S. ARMY CORPS OF ENGINEERS
SAJ-2002-02052(SP-BAL)
DATE: 25 JUNE 2013
DRAWING PAGE: 3 OF 3**

STANDARD MANATEE CONDITIONS FOR IN-WATER WORK

2011

The permittee shall comply with the following conditions intended to protect manatees from direct project effects:

- a. All personnel associated with the project shall be instructed about the presence of manatees and manatee speed zones, and the need to avoid collisions with and injury to manatees. The permittee shall advise all construction personnel that there are civil and criminal penalties for harming, harassing, or killing manatees which are protected under the Marine Mammal Protection Act, the Endangered Species Act, and the Florida Manatee Sanctuary Act.
- b. All vessels associated with the construction project shall operate at "Idle Speed/No Wake" at all times while in the immediate area and while in water where the draft of the vessel provides less than a four-foot clearance from the bottom. All vessels will follow routes of deep water whenever possible.
- c. Siltation or turbidity barriers shall be made of material in which manatees cannot become entangled, shall be properly secured, and shall be regularly monitored to avoid manatee entanglement or entrapment. Barriers must not impede manatee movement.
- d. All on-site project personnel are responsible for observing water-related activities for the presence of manatee(s). All in-water operations, including vessels, must be shutdown if a manatee(s) comes within 50 feet of the operation. Activities will not resume until the manatee(s) has moved beyond the 50-foot radius of the project operation, or until 30 minutes elapses if the manatee(s) has not reappeared within 50 feet of the operation. Animals must not be herded away or harassed into leaving.
- e. Any collision with or injury to a manatee shall be reported immediately to the Florida Fish and Wildlife Conservation Commission (FWC) Hotline at 1-888-404-3922. Collision and/or injury should also be reported to the U.S. Fish and Wildlife Service in Jacksonville (1-904-731-3336) for north Florida or Vero Beach (1-772-562-3909) for south Florida, and to FWC at ImperiledSpecies@myFWC.com
- f. Temporary signs concerning manatees shall be posted prior to and during all in-water project activities. All signs are to be removed by the permittee upon completion of the project. Temporary signs that have already been approved for this use by the FWC must be used. One sign which reads *Caution: Boaters* must be posted. A second sign measuring at least 8 ½" by 11" explaining the requirements for "Idle Speed/No Wake" and the shut down of in-water operations must be posted in a location prominently visible to all personnel engaged in water-related activities. These signs can be viewed at MyFWC.com/manatee. Questions concerning these signs can be sent to the email address listed above.

CAUTION: MANATEE HABITAT

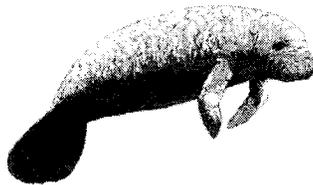
All project vessels

IDLE SPEED / NO WAKE

When a manatee is within 50 feet of work
all in-water activities must

SHUT DOWN

Report any collision with or injury to a manatee:



Wildlife Alert:

1-888-404-FWCC(3922)

cell *FWC or #FWC

HOPPER DREDGE DEFLECTOR DEVICE CHECKLIST
Attachment 1

Dept. of the Army Permit No.: SAJ- _____ - _____

Project Name: _____

Project Location: _____

Dredging Company Name (Contractor): _____

Vessel Name: _____

1. _____ Dredging contractor has received a copy of and read the Dept. of the Army Permit for this project.
2. _____ Permittee and dredging contractor has reviewed the applicable Biological Opinion located at: <http://el.erdc.usace.army.mil/seaturtles/refs-bo.cfm>
3. _____ Dredging depth(s) for the project:
Starting Depth(s): _____

Final Depth(s): _____
4. _____ Turtle Deflector Device submittal. Attach a detailed drawing showing structural design and soundness (see attached example drawing) of the Sea Turtle Deflector Device. The drawing shall include the following information:
 - a. _____ Deflector leading edge angle (90 degrees or less).
 - b. _____ Forward vertical face measurement of the deflector (minimum height of 15”).
 - c. _____ The approach angle(s) for this project dredging depths.
 - d. _____ The opening between deflector and draghead (maximum of 4”x4”).
 - e. _____ The aft rigid deflector attachment to the draghead (hinged or trunnion).
 - f. _____ The forward deflector attachment link length described for the project dredging depths and project approach angles.

COMMENTS: _____

HOPPER DREDGE PRE-DREDGE INSPECTION CHECKLIST
Attachment 2

Dept. of the Army Permit No.: SAJ- _____ - _____

Project Name: _____

Project Location: _____

Dredging Company Name (Contractor): _____

Vessel Name: _____

Inspector's Name and Title: _____

Date of Inspection: _____

Dredging contractor pre-dredge inspection requirements:

1. _____ Has the dredging contractor read the Department of the Army Permit to determine the permit requirements for the protection of endangered sea turtles?
2. _____ Is a copy of the Department of the Army permit on board the vessel?
3. _____ Has the dredging contractor reviewed the applicable Biological Opinion located at:
<http://el.erdc.usace.army.mil/seaturtles/refs-bo.cfm>
4. _____ Has the Turtle Deflector Device been approved by the Corps? (Dredging shall not start until the Turtle Deflector Device is approved and the Initial Hopper Dredge Submittal form has been signed by the Corps).
5. _____ Is a copy of the approved Turtle Deflector Device submittal on board the vessel?
6. _____ Is the approved Turtle Deflector Device submittal being used to perform this pre-dredge inspection?
7. _____ Is the Turtle Deflector Device that is on the dredge the same as the approved submitted Turtle Deflector Device?
8. _____ Is the Turtle Deflector Device structurally sound?
9. _____ Is the leading edge angle of the Turtle Deflector Device 90 degrees or less.
10. _____ Is the forward vertical face of the Turtle Deflector Device a minimum of 15" tall?
11. _____ Are the approach angles submitted for this project dredging depths.
12. _____ Are the opening between Turtle Deflector Device and draghead no more than 4"X4"?
13. _____ Is the aft deflector attachment to the draghead rigid (hinged or trunnion)?
14. _____ Is the forward deflector attachment link length measurement the same length as shown on the approved Turtle Deflector Device submittal for this project dredging depth and project approach angle?
15. _____ Are inflow screens and overflow screens installed?

- 16. _____ Are inflow basket screen openings no more than 4"X4"?
- 17. _____ Is there adequate lighting of inflow and overflow screens and proper access for cleaning.
- 18. _____ Is turtle trawling required by the DA permit?
- 19. _____ Is the dredging data recording system (DQM/Silent Inspector) operational and the certification current?

COMMENTS: _____

I certify that the above components are properly installed and operational in accordance with the SARBO and the DA permit for the referenced project.

(Dredging Contractor Signature)

(Date)

HOPPER DREDGE STARTUP INSPECTION CHECKLIST

Attachment 3

Dept. of the Army Permit No.: SAJ- _____ - _____

Project Name: _____

Project Location: _____

Dredging Company Name (Contractor): _____

Vessel Name: _____

Inspector's Name and Title: _____

Date of Inspection: _____

Dredging contractor startup dredge inspection requirements:

1. _____ Is the Turtle Deflector Device submittal approved?
2. _____ Is the approved Turtle Deflector Device submittal being used to perform this startup-dredge inspection?
3. _____ Are the turtle observers onboard the vessel during dredging operations?
4. _____ Is dredging data recording system (DQM/Silent Inspector) turned on and recording draghead elevation, slurry density & velocity and is data being submitted?
5. _____ Was a paint test performed to assure the deflector is plowing at least 6" into the dredge material while the dragtender is consistently maintaining the submitted and approved approach angle to a tolerance of + 0 to - 4 degrees. DATE: _____, TIME: _____
6. _____ Is the drag tender operating the dredge pump in accordance with the Hopper Dredging Terms and Conditions as follows:
 - a. _____ Starting the dredge pump only when the draghead is firmly on the bottom by watching the slurry specific gravity & swell compensator.
 - b. _____ Reducing the slurry velocity to less than 5 feet per second by reducing the dredge pump RPM to idle speed before raising the draghead off the bottom. Raising the draghead off the bottom to increase suction velocities is strictly prohibited.
 - c. _____ Consistently maintaining the approach angle to a tolerance of + 0 to - 4 degrees when ever the draghead is on the bottom and the dredge pump is operating
 - d. Watch the dragtender through one cycle minimum to see if the draghead is being raised off the bottom because:
 - i. _____ Plugging of the draghead.
 - ii. _____ Ship crabbing.
 - iii. _____ Draghead tracking under or away from the dredge.

