US Army Corps of Engineers

Project Design Criteria Checklist for the U.S. Army Corps of Engineers Jacksonville District's Programmatic Biological Opinion
Summary Checklist (Must be submitted with all projects)

Permitting Agency's Internal Use Only:

Date checklist sent to NMFS (MM/DD/YY) ____ Reviewer Last Name ____ Application # (for Corps: SAJ-XXXX-XXXXX) ____ Checklist Version[1] ____

Indicate the agency issuing the permit/authorization. ____

Yes No Is this a re-verification, edit, or modification to a consultation previously submitted under JaxBO?

If yes to above, enter date of previous Tier II consultation ____

If another NMFS programmatic BO was used for the proposed project, please select name of programmatic BO used. ____

The Corps Project Manager or Delegated Authority has reviewed and confirmed that the proposed project meets all PDCs. It is the responsibility of the reviewer to ensure the proposed project complies with all the applicable PDCs. Please enter initials of reviewer. ____

Project Street Address ____ Latitude (decimal degrees, centroid of the project) ____

City ____ Longitude (decimal degrees, centroid of the project. Please include the negative symbol) ____

County (Florida) ____ Municipality (Puerto Rico & USVI) ____

Select all activities used for the entire proposed project:

1 2 3 4 5 6 7 8 9 10 Superseding Process

Geographic Area	Is the project located in the geographic area?	Select DCH Unit	Are Essential Features Present?	If Essential Features are present, enter area of impact
Smalltooth Sawfish DCH Limited Exclusion Zones (AP.4)	Yes No	N/A	N/A	N/A
Gulf Sturgeon DCH Migratory Restriction Zones (AP.4)	Yes No	N/A	N/A	N/A
Atlantic Sturgeon DCH Exclusion Zone (AP.4)	Yes No	N/A	N/A	No activities allowed here!
North Atlantic Right Whales Educational Sign Zones (AP.4)	Yes No	N/A	N/A	N/A
U.S. Caribbean Sea Turtle Critical Habitat Restriction Zones (AP.4)	Yes No	N/A	N/A	N/A
Bryde's Whale Exclusion Zone (AP.4)	Yes No	N/A	N/A	No activities allowed here!
Smalltooth sawfish DCH	Yes No		Yes No	LF of Red Mangroves; SF of shallow euryhaline water
Gulf sturgeon DCH	Yes No		Yes No	SF of essential features
Loggerhead sea turtle (NWA DPS) DCH[2]	Yes No		Yes No	SF of essential features
Green sea turtle (NA DPS) DCH	Yes No	N/A	Yes No	SF of essential features
Hawksbill sea turtle DCH	Yes No	N/A	Yes No	SF of essential features
Leatherback sea turtle DCH	Yes No	N/A	Yes No	SF of essential features
Staghorn and elkhorn (Acropora) coral DCH	Yes No		Yes No	No impacts to essential features allowed.
Johnson's seagrass DCH	Yes No		Yes No	SF of essential features
North Atlantic right whale DCH	Yes No		Yes No	SF of essential features
Atlantic sturgeon DCH	Yes No		N/A	No activities allowed here!

____ Is the Project in or near areas with mangroves, seagrasses, corals, or hard bottom habitat? Does it comply with PDCs for Mangroves, Seagrasses, Corals, and Hard Bottom for All Projects (AP.3)

Resource	Present in the project footprint?	Square Feet of Impact
Mangroves	Yes No	
Nonlisted Seagrass	Yes No	
Johnson's Seagrass	Yes No	
Listed Corals	Yes No	
Nonlisted Corals	Yes No	
Hardbottom	Yes No	

____ SF of Overwater Impacts (area of structure over/above the water surface, e.g., docks or canopies)

____ SF of Total In-water Impacts (area of substrate that is permanantly changed below MHW, e.g., by seawall, riprap, or cross-sectional area of piles)

____ Yes Applicant agrees to adhere to PDCs for *In-Water Activities* (AP.1) as described in AP.7 through AP.11

____ Yes Applicant agrees to perform all activities during daylight hours (AP.6).

Yes No Is the project within the boundary of the Florida Keys National Marine Sanctuary (FKNMS)?

____ Yes If within the boundaries of FKNMS, received NOAA authorization?

To be completed by applicant or agent if permit is issued by a delegated authority (FDEP, Miami-Dade, etc.) Please enter full name of applicant or applicant's representative:

____ The applicant or applicant's representative ensures the project complies with the PDCs and all information in this form and individual checklist(s) is correct

Comments:

[1] Checklist Version: Select 1 if it is the first time you are submitting the consultation. Select 2 if you made an error or the project has changed and you need to resubmit the checklist.
[2] The project may be located in two different Loggerhead DCH Units. Select all that apply. If there are more than two, please add to the Comments section.

US Army Corps of Engineers

Project Design Criteria Checklist for the U.S. Army Corps of Engineers Jacksonville District's Programmatic Biological Opinion Activity 1: Shoreline Stabilization

Agency's internal use only:

Date checklist sent to NMFS (MM/DD/YY)	PM Last Name	Application #	Checklist Version

Proposed Activity (Select all that apply):

- New Seawall
- Repair Seawall
- Replacement Seawall
- New Seawall Footer
- Replacement Seawall Footer
- New Shoreline Stabilization Materials
- Repair Shoreline Stabilization Materials
- Removal/Fill of Upland Cut Boat Ramps, Slips, and Basins
- Other (Provide Information in Comments Section

Enter information about the proposed activity:

- Seawall material
- Seawall installation method
- Select Noise PDC Category (AP.2.)
- Seawall: Length (ft)
- Seawall: Distance waterward from MHWL or existing seawall (ft)
- Riprap: Length
- Riprap: Distance waterward from MHWL or existing seawall
- Is shoreline stabilization material hand placed around red mangrove prop roots? (A1.3)
- Number of piles
- Size of piles (area in square feet)
- Pile Material
- Pile Installation Method

For projects located in Designated Critical Habitat, please complete applicable section below.

Is the project located in the geographic area of **smalltooth sawfish critical habitat**?

- Project does NOT include placement of new shoreline stabilization materials in waters between the MHWL and -3 ft MLLW (A1.8.1.).
- Enter area (sf) of shallow euryhaline waters filled as a result of seawall installation
- Enter area (sf) of shallow euryhaline waters filled as a result of upland cut fill

Is the project located in the geographic area of **gulf sturgeon critical habitat**?

- All new shoreline stabilization materials (e.g., riprap,articulating concrete mats) are placed between the shoreline and -6 ft MHW (A1.9.).
- Enter width of the area (e.g., channel, bay) if in a Gulf Sturgeon Critical Habitat Migratory Restriction Zone (Section 2.1.1.2)
- Select the pile or sheet pile activity being performed in Gulf Sturgeon Critical Habitat Migratory Restriction Zones (A1.9.)?

Is the project located in the geographic area of **Acropora critical habitat**?

- Essential features present, so only repair/replace in same footprint. (A1.10)

Is the project located in the geographic area of **Johnson's seagrass critical habitat?**

- Essential features are present, confirm that installation of new or expanded shoreline stabilization material is not occurring (A1.11).

Is the project located within the geographic area of **U.S. Caribbean sea turtle critical habitat?**

- Project includes the repair/replacement of shoreline protection materials within the existing footprint (A1.12.).

Comments:

Please note, this checklist does not contain all of the PDCs. Please refer to the Biological Opinion to confirm the project meets all PDCs prior to completing this checklist.

US Army Corps of Engineers

Project Design Criteria Checklist for the U.S. Army Corps of Engineers Jacksonville District's Programmatic Biological Opinion (JAXBO)
Activity 2: Pile Supported

Agency internal use:

Date checklist sent to NMFS (MM/DD/YY) | PM Last Name | Application # | Checklist Version

Proposed Activity (Select all that apply):

- Dock New
- Dock Repair
- Dock Replacement
- Mooring/Dolphin piles
- Mooring buoys
- Mooring fields
- Chickees
- ATONS/PATONS
- Boatlift
- Temporary structures/buoys
- Other (Provide description in Comments box at bottom)

Select the type/use of the strucure

Enter information about the proposed activity:

Total number of existing dry slips
Total number of existing wet slips
Total number of proposed dry slips
Total number of proposed wet slips

Piling Installation Data: Enter data as appropriate for different pile types used. JAXBO does not cover installation of metal piles or sheet piles with impact hammer (AP 2; Section 2.2).

Pile Type 1	Pile Type 2	Pile Type 3	Pile Type 4
Number of Piles	Number of Piles	Number of Piles	Number of Piles
Size of each Pile (sq.ft.)	Size of each Pile (sq.ft.)	Size of each Pile (sq.ft.)	Size of each Pile (sq.ft.)
Pile Material	Pile Material	Pile Material	Pile Material
Installation Method	Installation Method	Installation Method	Installation Method

Project in Open-Water or Confined-Space Environment (AP.2; Section 2.2)?
Select Noise PDC Category (AP.2.) as detailed in (Section 2.2).

For commercial/multi-family/public facilities and marine events which of the following signs will be posted (A2.2.) Select all that apply:

Save Sea Turtle/ Sawfish/ and Dolphin Sign | Help Protect North American Right Whale | Report Sturgeon | U.S. Caribbean

For commercial/multi-family/public docking facilities/monofilament recycling bins will be installed. (A2.3)
North Atlantic Right Whale Educational Sign Zone: Is the North Atlantic right whales handout included as special condition of permit (A2.4.)?
Does the project include a municipal or commercial fishing pier?
Is dock within visible distance of an ocean beach? If yes; is turtle-friendly lighting installed as required by JAXBO (A2.8)?
Will project construction take place from uplands or from floating equipment (e.g. barge) as required (A2.9)?
Dock Construction Scenario included as a special condition (A2.17)?

For projects located in Designated Critical Habitat; please complete applicable section below:

Is the project located in the geographic area of Smalltooth Sawfish Critical Habitat?
- Is project located in smalltooth sawfish limited exclusion zone?

Is the project located in the geographic area of Gulf Sturgeon Critical Habitat?
- Enter width of the area (e.g. channel/ bay) if in a the Gulf sturgeon critical habitat migratory restriction zone (Section 2.1.1.2)
- Select additional noise restrictions required as special condition in Gulf sturgeon critical habitat migratory restriction zones (A2.11).

Is the project located in the geographic area of Acropora Critical Habitat?
- Are essential features present?
- Is hardbottom present in project footprint? (AP.14).

Is the project located in the geographic area of Johnson's Seagrass Critical Habitat?
- Water depths (insert range of water depths where project will occur as minus MLW)
- Project includes a new marina or multifamily facility (A2.14)?
- Does the project include repair/replacement and reconfiguration of existing marinas or multi-family facilities?

If project is repair/replacement and reconfiguration of existing marinas or multi-family facilities then select all that apply under JAXBO (A2.14):
- Occurs within same overall footprint (out to the perimeter of the facility including the outer limits of the structure and permitted mooring locations).
- Does not increase the total aerial extent (i.e. area of coverage from the dock structures) of the existing facility.
- Does not affect Johnson's seagrass.

Is the project located in the geographic area of Nearshore Reproductive Habitat of NWA DPS of Loggerhead Sea Turtle Critical Habitat?
- Does the project include the installation of a structure other than ATONs (A2.15)?

Is the project located near sea turtle nesting beaches in the geographic area of U.S. Caribbean Sea Turtle Critical Habitat?
- Does the project include the installation of a structure other than ATONs near sea turtle nesting beaches (A2.16)?

Comments:

Please note this checklist does not contain all of the PDCs. Please refer to the Biological Opinion to confirm the project meets all PDCs prior to completing this checklist. Notes in parenthesis refer to corresponding section of JAXBO.

US Army Corps of Engineers®

Project Design Criteria Checklist for the U.S. Army Corps of Engineers Jacksonville District's Programmatic Biological Opinion
Activity 5: Scientific Survey

Agency's internal use only:

	Date checklist sent to NMFS (MM/DD/YY)		PM Last Name		Application #		Checklist Version

Proposed Activity (Select all that apply):

- [ ] Scientific survey device, new
- [ ] Scientific survey device, repair
- [ ] Scientific survey device, removal

Enter information about the proposed activity:

- [ ] The scientific survey device, including any related equipment and anchors, does not block access of species to an area (A5.2.).
- [ ] How many months will device be in-water?
- [ ] The scientific survey device will be inspected and any required maintenance performed at least twice a year and following storm events to ensure that equipment and anchors are still in place and have not moved to areas containing ESA-listed corals (A5.4.).

Comments:

Please note, this checklist does not contain all of the PDCs. Please refer to the Biological Opinion to confirm the project meets all PDCs prior to completing this checklist.

US Army Corps of Engineers

Project Design Criteria Checklist for the U.S. Army Corps of Engineers Jacksonville District's Programmatic Biological Opinion Activity 6: Boat Ramps

Corps internal use only:

	Date checklist sent to NMFS (MM/DD/YY)		PM Last Name		Application #		Checklist Version

Proposed Activity (Select all that apply):

- ☐ Removal of boat ramp
- ☐ Replacement boat ramp
- ☐ Reconfiguration of boat ramp
- ☐ Repair boat ramp
- ☐ New boat ramp

Enter information about the proposed activity:

- ☐ Total number of existing ramp lanes
- ☐ Total number of proposed ramp lanes (New ramps limited to 2 lanes (A6.1.2))
- ☐ Width of boat ramp for motorized vessels (limited to 40 ft wide) (A6.1.2).
- ☐ Width of boat ramp for non-motorized vessels (limited to 60 ft wide) (A6.1.3).
- ☐ Number of trailered vehicle parking spaces (New ramps limited to 50 (A.6.1.2))
- ☐ Repair and replacement occurs within the same footprint (A6.1.4)

For commercial, multi-family, or public facilities, and marine events, which of he following signs will be posted (Select all that apply) (A6.3.)

☐ Save Sea Turtle, Sawfish, and Dolphin Sign ☐ Help Protect North American Right Whale ☐ Report Sturgeon ☐ U.S. Caribbean

- ☐ For commercial, multi-family, or public facilities, will monofilament recycling bins will be installed. (A6.4)
- ☐ New boat ramps will not be installed on ocean beaches that are used by nesting sea turtles (A6.6).

For projects located in Designated Critical Habitat, please complete applicable section below:

☐ **Is the project located within the geographic area of Smalltooth sawfish critical habitat?**

- ☐ Project includes a new or expanded ramp that does not result in the loss of an essential feature (red mangroves or shallow [MHWL to -3 ft MLLW], euryhaline water) (A6.7.1.)
- ☐ Boat ramp is constructed in waters between MHWL and -3 ft MLLW (shallow, euryhaline habitat essential feature), and the water depth is not increased to deeper than -3 ft MLLW (A6.7.2.)
- ☐ A boat ramp in smalltooth sawfish critical habitat may be repaired and replaced within the existing footprint (A6.7.3.)

☐ **Is the project located within the geographic area of Gulf Sturgeon Critical Habitat?**

- ☐ Enter the width of the area (e.g., channel, bay) if in a the Gulf sturgeon critical habitat migratory restriction zone (Section 2.1.1.2)
- ☐ Select additional noise restrictions required for installation of piles and sheet piles as special condition in Gulf sturgeon critical habitat migratory restriction zone (A6.10)

☐ **Is the project located within the geographic area for Acropora Critical Habitat?**

- ☐ Essential features are present so only repair/replace are in the same footprint (A6.8)

☐ **Is the project located within the geographic area for Johnson's Seagrass Critical Habitat?**

- ☐ Essential features are present so only repair/replace are in the same footprint (A6.9)

☐ **Is the project located within the geographic area for U.S. Caribbean Sea Turtle Critical Habitat?**

- ☐ Project is repair and/or replacement of shoreline protection materials within the existing footprint (A6.11.)

Comments:

Please note, this checklist does not contain all of the PDCs. Please refer to the Biological Opinion to confirm the project meets all PDCs prior to completing this checklist.

US Army Corps of Engineers

Project Design Criteria Checklist for the U.S. Army Corps of Engineers Jacksonville District's Programmatic Biological Opinion
Activity 7: Aquatic Habitat Enhancement, Establishment, and Restoration

Agency internal use only:

Date checklist sent to NMFS (MM/DD/YY) _____ PM Last Name _____ Application # _____ Checklist Version # _____

Proposed Activity (Select all that apply):

☐ Oyster reef ☐ Living shoreline ☐ Enhancing/establishing submerged aquatic vegetation ☐ Artifical reef ☐ Fill to restore natural contours/improve water quality

Enter information about the proposed activity:

☐ A7.1 Only native plant species are used.

Living Shoreline and oyster habitat on unvegetated bottom in tidal waters:

☐ A7.2. Oyster reef materials are placed and constructed in a manner that ensures that materials will remain stable and that prevents movement of materials to surrounding areas.

☐ A7.3. Oyster reef materials will be placed in designated locations only.

☐ A7.4. Living shorelines will be constructed in unvegetated, nearshore water along shorelines to create tidal marshes or mangrove habitat for the purpose of shoreline erosion control or aquatic habitat enhancement. (Native plants can be placed along the shoreline or between the shoreline and the living shoreline structure.)

☐ A7.5. Living shoreline structures and permanent wave attenuation structures are constructed out of the following materials: oyster breakwaters, clean limestone boulders or stone, small mangrove islands, biologs, coir, rock sills, and pre-fabricated structures made of concrete and rebar that are designed in a manner so that they do not trap sea turtles, smalltooth sawfish, or sturgeon. Reef balls or similar structures that are not open on the bottom, open-bottom structures with a top opening of at least 4 ft, and reef discs stacked on a pile are pre-fabricated structures are designed in a manner so that they do not trap sea turtles.

☐ A7.6. Both living shoreline and oyster reefs must have 5 ft gaps at least every 75 ft in length, as measured parallel to the shoreline and at the sea floor, to allow for tidal flushing and species movement.

Additional Conditions for the establishment or restoration of submerged aquatic vegetation:

☐ A7.7. The placement of loose or bagged sediment suitable for the project site in blowholes/dredge holes or in prop scars, and berm redistribution or sod replacement in excavations, are to an elevation level with or otherwise consistent with the adjacent area.

☐ A7.8. The level of the restoration area matches the elevation of adjacent seagrass beds. (Leveling submerged spoil piles or berms is permitted, if necessary).

☐ A7.9. The use of an exclusion cage(s) around the seagrass restoration area is necessary to allow the seagrass beds to establish themselves to the point of sustainability after the cages are removed. The exclusion cage(s) will be temporary and used for a period not to exceed 4 months. The exclusion cage will be securely fastened to teh substrate so that it does not detach. The cage will be constructed with firm, taut materials and will NOT include any loose mesh, this twistable wire, or rope that could twist or become entangled or present an entanglement risk to species.

☐ A7.10. Seagrass transplantation and harvesting from the donor site will occur only by hand. (Donor sites may include (i) upland seagrass farms, (ii) areas with seagrasses that would be impacted by another project, or (iii) existing seagrass beds, as long as the seagrass is removed in a manner that is not detrimental to the existing seagrass bed. Transplantation methods may include, but are not limited to, plugging devices, manual transplant, peat pellets, peat pots, and coconut fiber mats.) No in-water machinery (e.g., marsh buggies, track hoe) will be used in harvesting or transplanting the seagrasses. The selection of and harvesting from seagrass donor sites will be coordinated with NMFS Habitat Conservation Division. No transplantation of the invasive seagrasses (e.g., Halophila stipulacea).

☐ A7.11. Stakes shall be installed to attract birds, if necessary or appropriate. The bird stakes will NOT be used in areas where additional nutrients may be detrimental to the seagrass. (Bird staes are not authorized in the U.S. Carribean.

☐ A7.12. Signage (supported on piles or anchored) will be installed if necessary to prevent motorized boats from entering the area and anchoring. All signs will be sized and placed in a manner that prevents the loss of native seagrasses from sign shading.

Additional conditions for the installation of artificial reefs from the placement of man-made materials:

☐ A7.13. Artificial reef materials shall be clean and free from asphalt, creosote, petroleum, other hydrocarbons and toxic residues, loose free-floating material, or other deleterious substances.

☐ A7.14. New reef sections are limited to 1 reef section measuring ¼- by ¼-nmi area (40 ac) in size with a distance of 500 ft between each section. Offshore reefs shall maintain a minimum vertical clearance of twice the height of the structure from the top of the deployed material relative to the MLW at all times.

☐ A7.15. Reauthorization of existing reefs is limited to the previously permitted size. Approved materials defined in PDC A7.19 can be added to the existing reef area.

☐ A7.16. No artificial reef materials shall be deployed until a benthic assessment of the bottom conditions has been accomplished by diver or submersible video camera. The inspection of the deployment area may

occur at the time of deployment but no more than 1 year prior to deployment. The permittee shall maintain a deployment buffer of at least 200 ft from any submerged aquatic resources, including seagrasses, macroalgae, hard or soft coral (including coral reefs), sponges, oysters, or hard bottom when placed in areas of sand. If materials are off-loaded from a barge or placed in areas that may generate turbidity (e.g., areas with fines or muck), a 500 ft buffer is required.

A7.17. The project does not include the use of mid-water fish aggregation devices.

A7.18. All reefs will be cleaned annually to remove marine debris and derelict fishing line in areas safely accessible to recreational SCUBA divers. Cleanup efforts shall follow the PDCs for Activity 9, marine debris removal, and all pertinent general PDCs.

Additional conditions for reef materials:

Only the following reef materials may be used:

A7.19. Individual reef units or modules must weigh at least 500 pounds. Reef materials will be clean and free from asphalt, petroleum, other hydrocarbons, and toxic residues, as well as loose, free-floating material, or other deleterious substances. All artificial reef materials and/or structures will be selected, designed, constructed, and deployed to create stable and durable marine habitat.

Only the following reef materials may be used

A7.19.1. Prefabricated artificial reef modules composed of ferrous and/or aluminum alloy metals, concrete, rock, or a combination of these materials.

A7.19.2. Natural rock boulders and pre-cast concrete material, such as culverts, stormwater junction boxes, power poles, railroad ties, jersey barriers, or other similar concrete material.

A7.19.3. Clean steel and concrete bridge or large building demolition materials such as slabs or piles with all steel reinforcement rods cut at the base of the concrete so no rebar or metal protrudes from the concrete.

A7.20. Reef structures, materials, and installation methods will be designed and deployed to prevent entanglement and entrapment of listed species. Open-bottom pre-fabricated reef modules may not be used unless the module also has a top opening sufficiently large to allow a turtle to escape. Approved open-bottom modules include:

A7.20.1. Three-sided modules where each side of the tope opening is at least 36-in in length along its edge.

A7.20.2. Four or more sided modules where each side of the top opening is at least 40-in in length along its edge.

A7.20.3. Modules with a round opening with a diameter of at least 40-in (oval openings are not allowed unless a 40-in diameter circle space can fit within the oval).

A7.20.4. Modules that are approved by the FWS Artificial Reef Program as being turtle friendly. FWS is currently working on developing this list. No open-bottom modules are allowed that include additional modules, discs, or other materials stacked or placed on or immediately adjacent to the top opening, as they may prevent turtles from easily escaping.

Fill to restore natural contours or improve water quality:

A7.23. Fill of scars or ruts caused by vessel groundings or similar activities must match thesurrounding natural elevation.

A7.24. Deep holes or canal bottoms that are determined to be hypoxic, (i.e., have critically low dissolved oxygen levels) will be filled.

The following apply to all the above activies:

Is the project located in the geographic area of Smalltooth sawfish critical habitat

Oyster reefs, living shorelines, or artificial reefs are placed in waters waters containing the shallow, euryhaline essential feature (A7.25)

Project is not located in smalltooth sawfish limited exclusion zone (A7.25.).

Is the project located in the geographic area of Gulf Sturgeon Critical Habitat

A7.26. Gulf sturgeon critical habitat: Oyster reefs, living shorelines, and seagrass restoration in Gulf Sturgeon Critical Habitat are restricted to areas that are in water depths shallower than -6 ft (-2m) MHW (i.e., between the shoreline and -6 ft deep).

A7.26. Artificial reef structures will not be placed in Gulf sturgeon critical habitat.

A7.26. Gulf sturgeon critical habitat: Fill to restore natural contours or improve water quality will occur in Gulf Sturgeon Critical Habitat, regardless of project depth.

A7.26. Gulf sturgeon critical habitat: Living shorelines, oyster reefs, and artificial reefs will not be placed in Gulf Sturgeon Critical Habitat Migratory Restriction Zones, defined in Section 2.1.1.2.

Is the project located in the geographic area of Acropora Critical Habitat

A7.28. No aquatic habitat enhancement, establishment, or restoration activities in Acropora Critical Habitat will occur where the essential feature is present.

☐ **Is the project located in the geographic area of Johnson's Seagrass Critical Habitat**

☐ A7.29. Living shorelines, oyster reefs, and artificial reefs will not be placed in waters shallower than -13 ft MHW.

☐ **Is the project located in the geographic area of Loggerhead Critical Habitat:**

☐ A7.30. Living shorelines, oyster reefs, and artificial reefs are not placed in nearshore reproductive habitat of loggerhead critical habitat.

☐ **Is the project located in the geographic area of U.S. Caribbean Sea Turtle Critical Habitat**

☐ A.31. No aquatic enhancement activities are occurring.

☐ **Is the project located in the geographic area of North Atlantic Right Whale Critical Habitat:**

☐ A7.27.1. Artificial reef is not be placed in water shallower than 30 ft deep

☐ A7.27.2. The maximum reef height off the sea floor is 20 ft

☐ A7.27.3. The maximum footprint of new reefs shall be 1 nmi^2. If a new reef is added to an existing artificial reef, the total footprint of the combined reefs will not exceed 1 nmi^2.

☐ A7.27.4. Density of newly permitted reefs does not exceed 2 reefs (old or new) per 10

☐ A7.27.5. No material is placed during whale calving season (November 15 through April 15).

☐ A7.27.5. Reef material is placed during North Atlantic Right Whale calving season, so the following additional measures will be followed:

- ☐ The maximum speed for all vessels involved in placing the reef material is 10 knots.
- ☐ Deployments will not be conducted at any time when lighting or weather or sea conditions (e.g., darkness, rain, fog, sea state) prevent visual monitoring of the project area.
- ☐ Deployment activities will not commence until the protected species observer reports that no marine mammals or sea turtles have been sighted for at least 60 minutes.
- ☐ Deployment activities will cease immediately if sea turtles or marine mammals are sighted within the project area.
- ☐ Deployment activities will not recommence until the protected species observer reports that no marine mammals or sea turtles have been sighted for at least 60 minutes.

Comments:

Please note, this checklist does not contain all of the PDCs. Please refer to the Biological Opinion to confirm the project meets all PDCs prior to completing this checklist.

US Army Corps of Engineers

Project Design Criteria Checklist for the U.S. Army Corps of Engineers Jacksonville District's Programmatic Biological Opinion
Activity 9: Marine Debris Removal

Agency internal use only:

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Proposed Activity (Select all that apply):

☐ Marine debris removal (A9.1)

Enter information about the proposed activity:

☐ Visual confirmation (e.g., divers, swimmers, and camera) will be completed prior to removal to ensure that the item can be removed without causing further damage to aquatic natural resources (A9.2.).

☐ If an item cannot be removed without causing harm to surrounding coral (ESA listed or non-listed), the item will be disassembled as much as practicable so that it no longer can accidentally harm or trap species (A9.3.).

☐ Monofilament debris will be carefully cut loose from coral (ESA listed or non-listed) so as not to cause further harm. Under no circumstance will line be pulled through coral since this could cause breakage of coral (A9.4).

☐ Marine debris shall be lifted straight up and not be dragged through seagrass beds, coral reefs, coral, or hard bottom habitats (A9.5).

☐ An absorbent blanket or boom shall be immediately deployed on the surface of the water around any derelict vessel to be removed if fuel, oil, or other free-floating pollutants are observed during work (A9.6)

Comments:

Please note, this checklist does not contain all of the PDCs. Please refer to the Biological Opinion to confirm the project meets all PDCs prior to completing this checklist.