



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 Version¹

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. [SPGP Ref: Procedure 3.a.]

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

Table with 7 columns: Geographic Area, Is the project located in the geographic area?, Select DCH Unit, Are Essential Features Present?, Essential features described at SPGP Attachment 8, and If Essential Features are present, enter area of impact. Rows include various DCH Limited Exclusion Zones and Educational Sign Zones.

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)

Table with 3 columns: Resource, Present in the project footprint?, and Square Feet of Impact. Resources include Mangroves, Nonlisted Seagrass, Johnson's Seagrass, Listed Corals, Nonlisted Corals, and Hardbottom.

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 permanently 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 [SPGP Ref: Special Condition 2 and SPGP Attachment 10]
Yes Applicant agrees to perform all activities during daylight hours (AP.6). [SPGP Ref: Special Condition 3]
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? [SPGP Ref: Special Condition 5]

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 [SPGP Ref: Procedure 2]

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.



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

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Proposed Activity (Select all that apply):

- | | | |
|--|---------------------------------------|--|
| <input type="checkbox"/> New Seawall | New Seawall Footer | Repair Shoreline Stabilization Materials |
| <input type="checkbox"/> Repair Seawall | Replacement Seawall Footer | Removal/Fill of Upland Cut Boat Ramps, Slips, and Basins |
| <input type="checkbox"/> Replacement Seawall | New Shoreline Stabilization Materials | Other (Provide Information in Comments Section) |

[Note:SPGP Ref: Work Authorized C.1.b., no filling of upland cut areas.]

Gpvt 'lphnt o cskp'cdqw'ij g'ftr quf 'cevkbf :

- | | | |
|--|---|-------------------------------------|
| Seawall material | [SPGP Ref: <u>Work Authorized B.1.p.</u> does not allow installing (1) any metal pipe or sheet pile by impact hammer or (2) more than 5 piles/slabs/beams by impact hammer per day, therefore PDC categories D and E (shown on page 86 of the Biological Opinion) not allowed by the SPGP.] | Number of piles |
| Seawall installation method | | Size of piles (area in square feet) |
| Select Noise PDC Category (AP.2.) | | Pile Material |
| Seawall: Length (ft) | [SPGP Ref: <u>Work Authorized C.1.c.(1)</u> limits to new seawall to 150ft] | Pile Installation Method |
| Seawall: Distance waterward from MHWL or existing seawall (ft) | [SPGP Ref: <u>Work Authorized C.1.c.(1)&(2)</u> limits new to align with adjacent, replacement no more than 18 inches] | |
| Riprap: Length | [SPGP Ref: <u>Work Authorized C.1.c.(1)</u> limits to new riprap to 150ft] | |
| Riprap: Distance waterward from MHWL or existing seawall | [SPGP Ref: <u>Work Authorized C.1.c.(3)&(4)</u> limits new to 10 ft & replacement to no more than 18 inches] | |
| Is shoreline stabilization material hand placed around red mangrove prop roots? (A1.3) | [SPGP Ref: <u>Special Condition 6.a.</u>] | |

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

[SPGP Ref: Work Authorized C.1.g. new work not allowed between MHWL and -3 ft MLLW, Repair and replacement of existing allowed only in same footprint.

- Is the project located in the geographic area of **smalltooth sawfish critical habitat**? [SPGP Attachment 13]
- 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 [SPGP Ref: Work Authorized B.2.e.(2) only allows mangrove impacts for docks.]
 Enter area (sf) of shallow euryhaline waters filled as a result of upland cut fill [SPGP Ref: Work Authorized C.1.b., no filling of upland cut areas.]
- Is the project located in the geographic area of **gulf sturgeon critical habitat**? [SPGP Attachment 15]
- 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**? [SPGP Attachment 10]
- Essential features present, so only repair/replace in same footprint. (A1.10) [SPGP Ref: Work Authorized C.1.i.]
- Is the project located in the geographic area of **Johnson's seagrass critical habitat**? [SPGP Attachment 16]
- Essential features are present, confirm that installation of new or expanded shoreline stabilization material is not occurring (A1.11). [SPGP Ref: Work Authorized C.1.j.]
- 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.). [SPGP Ref: not applicable because not in Florida.]

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.



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): [SPGP Ref: Work Authorized E.2.a.(1) describes types of projects allowed under SPGP, for example, Mooring fields are not enumerated as authorized under SPGP]

Table with 4 columns: Activity, Mooring/Dolphin piles, Chickees, Temporary structures/buoys. Rows include Dock New, Dock Repair, Dock Replacement, Mooring buoys, ATONS/PATONS, Boatlift, and Other.

Select the type/use of the structure

Enter information about the proposed activity:

Table with 2 columns: Existing and proposed dry slips, Existing and proposed wet slips.

[SPGP Ref: Work Authorized E.2.a.(2) and (3) limits cumulative (existing + proposed) total (wet+dry) slips.]

[SPGP Ref: Work Authorized B.1.p. does not allow installing (1) any metal pipe or sheet pile by impact hammer or (2) more than 5 piles/slabs/beams by impact hammer per day, therefore PDC categories D and E (shown on page 86 of the Biological Opinion) not allowed by the SPGP.]

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).

Table with 4 columns: Pile Type 1-4, Number of Piles, Size of each Pile (sq.ft.), Pile Material, 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). [SPGP Ref: See note above for number of piles, Size of Piles, etc.]

For commercial/multi-family/public facilities and marine events which of the following signs will be posted (A2.2.) Select all that apply: [SPGP Ref: Special Conditions 8.b.]

- 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) [SPGP Ref: Special Conditions 8.c.]

North Atlantic Right Whale Educational Sign Zone: Is the North Atlantic right whales handout included as special condition of permit (A2.4)? [SPGP Ref: Work Authorized E.2.c. and Special Conditions 8.d.]

Does the project include a municipal or commercial fishing pier? [SPGP Ref: Work Authorized E.1.c. these not authorized by SPGP.]

Is dock within visible distance of an ocean beach? If yes, is turtle-friendly lighting installed as required by JAXBO (A2.8)? [SPGP Ref: Special Conditions 8.f.]

Will project construction take place from uplands or from floating equipment (e.g. barge) as required (A2.9)? [SPGP Ref: Special Conditions 8.g.]

Dock Construction Scenario included as a special condition (A2.17)? [Answered by Agency] [SPGP Ref: Special Conditions 8.h.3, design restrictions therein referenced by Work Authorized B.2.d.(3)(ii)]

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? [SPGP Attachment 13]

Is project located in smalltooth sawfish limited exclusion zone? [SPGP Ref: Work Authorized B.1.m excludes all activities in these zones] [Zones at SPGP Attachment 23]

Is the project located in the geographic area of Gulf Sturgeon Critical Habitat? [SPGP Attachment 15]

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). [SPGP Ref: Work Authorized B.1.n excludes all activities in these zones] [Zones at SPGP Attachment 28]

Is the project located in the geographic area of Acropora Critical Habitat? [SPGP Attachment 10]

Are essential features present? [SPGP Ref: Work Authorized E.1.d] [Essential features at SPGP Attachment 9]

Is hardbottom present in project footprint? (AP.14). [SPGP Ref: Work Authorized B.2.f. not allow work if hardbottom present]

Is the project located in the geographic area of Johnson's Seagrass Critical Habitat? [SPGP Attachment 16]

Water depths (insert range of water depths where project will occur as minus MLW)

Project includes a new marina or multifamily facility (A2.14)? [SPGP Ref: Work Authorized E.1.e.(1) excludes new facilities]

Does the project include repair/replacement and reconfiguration of existing marinas or multi-family facilities? [SPGP Ref: Work Authorized E.1.e.(2)]

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.

[SPGP Ref: Work Authorized E.1.e.(2)]

Is the project located in the geographic area of Nearshore Reproductive Habitat of NWA DPS of Loggerhead Sea Turtle Critical Habitat? [SPGP Attachment 24]

Does the project include the installation of a structure other than ATONs (A2.15)? [SPGP Ref: Work Authorized E.1.f]

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)? [SPGP Ref: not applicable because not in Florida]

Comments:



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Activity 5: Scientific Survey

Agency's internal use only:			
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Proposed Activity (Select all that apply): *[SPGP Ref: Work Authorized F.1.a. describes what is authorized by SPGP]*

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

Govt photo capture checklist: *[SPGP Ref: Work Authorized F.1.b, c and d.]*

- 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:



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

Table with 5 columns: Corps internal use only, Date checklist sent to NMFS (MM/DD/YY), PM Last Name, Application #, Checklist Version

Proposed Activity (Select all that apply): [SPGP Ref: Work Authorized D.1.a. limits SPGP to private single-family boat ramp.]
Removal of boat ramp
Reconfiguration of boat ramp
New boat ramp
Replacement boat ramp
Repair boat ramp [Note that "Removal of boat ramp" not possible under SPGP because installation of a seawall or riprap to remove/fill an upland cut area not authorized by Work Authorized C.1.b.]

Enter information about the proposed activity: [SPGP Ref: Work Authorized D.2.a. describes limits to type and size of the ramp.]

- 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 the following signs will be posted (Select all that apply) (A6.3.) [SPGP Ref: not applicable because limited to private single-family ramp]

- 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) [SPGP Ref: not applicable because limited to private single-family ramp.]

New boat ramps will not be installed on ocean beaches that are used by nesting sea turtles (A6.6). [SPGP Ref: Work Authorized B.1.h. no work allowed on beaches.]

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? [SPGP Attachment 12] [for all 3 checklist items, SPGP Ref: Work Authorized D.1.e.]

- 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? [SPGP Attachment 13] [SPGP Ref: Work Authorized B.1.m. restricts all activities in these zones.]

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? [SPGP Attachment 10]

Essential features are present so only repair/replace are in the same footprint (A6.8) [SPGP Ref: Work Authorized D.1.f.]

Is the project located within the geographic area for Johnson's Seagrass Critical Habitat? [SPGP Attachment 16]

Essential features are present so only repair/replace are in the same footprint (A6.9) [SPGP Ref: Work Authorized D.1.g.]

Is the project located within the geographic area for U.S. Caribbean Sea Turtle Critical Habitat? [SPGP Ref: not applicable because not in Florida.]

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

Comments:



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

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PM Last Name

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Checklist Version #

Proposed Activity (Select all that apply): [SPGP Ref: only selection applicable to SPGP is "Living shoreline", Work Authorized A.1.f.]

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

Proposed Activity (Select all that apply):

A7.1 Only native plant species are used. [SPGP Ref: Work Authorized C.2.f and Special Condition 6.d.]

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

[SPGP Ref: Work Authorized C.2.e.(3) and Special Condition 6.c.(3)]

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. [SPGP Ref: Work Authorized C.2.e.(4) and Special Condition 6.c.(4)]

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.) [SPGP Ref: Work Authorized C.2.d. and Special Condition 6.b.]

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. [SPGP Ref: Work Authorized C.2.e. and Special Condition 6.d.]

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: [SPGP Ref: this section not applicable to SPGP because is not one of the activities enumerated as a work authorized.]

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 the 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 stakes are not authorized in the U.S. Caribbean.)

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: [SPGP Ref: this section not applicable to SPGP because is not one of the activities enumerated as a work authorized.]

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: *[SPGP Ref: this section not applicable to SPGP because is not one of the activities enumerated as a work authorized.]*

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 top 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: *[SPGP Ref: this section not applicable to SPGP because is not one of the activities enumerated as a work authorized.]*

A7.23. Fill of scars or ruts caused by vessel groundings or similar activities must match the surrounding 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 activities:

Is the project located in the geographic area of Smalltooth sawfish critical habitat *[SPGP Attachment 13]*

Oyster reefs, living shorelines, or artificial reefs are placed in waters containing the shallow, euryhaline essential feature (A7.25) *[SPGP Ref: Work Authorized C.1.g.; Work Authorized B.1.m. not allow any activity within the exclusion zone.]*
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 *[SPGP Attachment 15]*

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). *[SPGP Ref: Work Authorized C.1.h.]*

A7.26. Artificial reef structures will not be placed in Gulf sturgeon critical habitat. *[SPGP Ref: not applicable because not a work authorized by SPGP.]*

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 depth. *[Not a work authorized by SPGP.]*

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 *[SPGP Attachment 10]*

A7.28. No aquatic habitat enhancement, establishment, or restoration activities in Acropora Critical Habitat will occur where the essential feature is present. *[SPGP Ref: Work Authorized C.1.i.]*

Is the project located in the geographic area of Johnson’s Seagrass Critical Habitat *[SPGP Attachment 16]*

A7.29. Living shorelines, oyster reefs, and artificial reefs will not be placed in waters shallower than -13 ft MHW. *[SPGP Ref: Work Authorized C.1.j.]*

Is the project located in the geographic area of Loggerhead Critical Habitat: *[SPGP Attachment 24]*

A7.30. Living shorelines, oyster reefs, and artificial reefs are not placed in nearshore reproductive habitat of loggerhead critical habitat. *[SPGP Ref: Work Authorized C.1.k.]*

Is the project located in the geographic area of U.S. Caribbean Sea Turtle Critical Habitat *[SPGP Ref: not applicable to SPGP as these are not in Florida.]*

A.31. No aquatic enhancement activities are occurring.

Is the project located in the geographic area of North Atlantic Right Whale Critical Habitat: *[SPGP Attachment 25]*

[SPGP Ref: Work Authorized C.1.l does not allow living shoreline activities within this critical habitat. All other activity types mentioned not authorized by SPGP.]

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 nmi². If a new reef is added to an existing artificial reef, the total footprint of the combined reefs will not exceed 1 nmi².

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.



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

Proposed Activity (Select all that apply): *[SPGP Ref: Work Authorized A.5 and F.1.a. allows under SPGP only removal of derelict vessels only when they pose a threat to human health and safety and/or aquatic natural resources.]*
 Marine debris removal (A9.1)

Pre-removal activities:

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). *[SPGP Ref: Work Authorized F.2.a.(1) and Special Condition 10.a.]*

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). *[SPGP Ref: Work Authorized F.2.a.(2) and Special Condition 9.b.]*

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). *[SPGP Ref: Work Authorized F.2.a.(3) and Special Condition 9.c.]*

Marine debris shall be lifted straight up and not be dragged through seagrass beds, coral reefs, coral, or hard bottom habitats (A9.5). *[SPGP Ref: Work Authorized F.2.a.(4) and Special Condition 9.d.]*

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) *[SPGP Ref: Work Authorized F.2.a.(5) and Special Condition 9.e.]*

Comments: