February 11, 2014

Dear Protected Resources Division:

We are requesting concurrence from the Protected Resources Division, NOAA Fisheries Service, Southeast Regional Office, that the proposed *FWC Strategic Boat Access: City of Parker, Earl Gilbert Dock and Boat Ramp Improvements* (Earl Gilbert Improvements) project is *not likely to adversely affect* listed species managed by the National Oceanic and Atmospheric Administration (NOAA) in the project area (see project description and list below). The Department of the Interior (DOI), acting through the U.S. Fish and Wildlife Service (the Service) and other Bureaus, and the Department of Commerce, acting through the National Oceanic and Atmospheric Administration (NOAA) are designated natural resource trustee agencies authorized by the Oil Pollution Act of 1990 (OPA) and other applicable federal laws to assess and assert a natural resource damages claim for this Oil Spill.

Project Description

The proposed Florida FWC Strategic Boat Access project would improve the existing Earl Gilbert dock and boat ramp in the City of Parker. The proposed work includes improving the existing dock and boat ramp and expanding the existing parking with the planned addition of 6 boat trailer spaces. Figure 1 illustrates the location of the project area. The approximate center of activity for this project is located at Latitude 30.10471 N and Longitude 85.60296 W, marked by the green dot in Figure 1.

Work on the dock would consist of renovations to the existing dock instead of removing and constructing a new dock. The existing dock consists of wooden planks and the work would include conducting repairs to replace damaged sections with new wood material in order to improve the safety of the dock. The general size, material, and design of the dock will not change. The existing dock is approximately 3 feet height above MHW (which will not change). The existing dock runs perpendicular and then parallel to the shore (L-shaped) and has an estimated surface area is 600 square feet.

As part of the dock renovations there would be an initial survey of submerged aquatic vegetation (SAV) in the area where the work would be completed. Should SAV be identified in the project area, the conditions in the *Construction Guidelines in Florida for Minor Piling-Supported Structures Constructed in or over Submerged Aquatic Vegetation (SAV), Marsh or Mangrove Habitat* (U.S. Army Corps of Engineers/National Marine Fisheries Service, 2001) would be implemented, as relevant.. Among other elements, these guidelines address decking material and spacing.

The site also contains a single-lane, paved boat ramp (approximately 30 ft wide). The existing boat ramp would be repaired within the current boat ramp footprint. While final plans have not been developed for this project, the construction work associated with repairs/replacement of a boat ramp can be summarized in terms of executing a number of specific tasks and subtasks including:

Task 1. Site Preparation

a. Prior to beginning any waterward work at the boat ramp site the project area needs to be surveyed and marked. Turbidity curtains are then installed to encapsulate the work area and other erosion control methods are put in place on the landward side of the project (e.g., placement of hay bales) to prevent erosion into the water from equipment movement and any work being performed on the upland areas.

Task 2. Ramp Repairs/Construction

a. The area for the ramp is surveyed in and marked by stake or pole (typically small diameter 2" or less PVC).
b. A coffer or bladder dam is installed and the water within the dam, between the waterward extent of the ramp and the land, is pumped out to upland storage ponds or run through a filter system to remove any sediment in the water before returning it to the receiving waterbody. The work area is kept dry by use of dewater pumps (ground water to be pumped is first sampled and tested for water quality) and disposed of in the same manner as the pumped surface water. This dewatering operation is run continuously throughout the construction of the ramps. Once the ramps are completed the dewatering pumps are shut down and the dams are removed.
c. Construction of the ramps begins once the area is sufficiently dry to remove unsuitable soils, if necessary, and replaced with suitable soil. This soil is then compacted to specification. Then the base material for the ramp is placed, usually a rock material. After placement and compaction of the base the ramp is formed, reinforcing steel placed and then the concrete poured and finished. Once curing of the concrete is complete the forms are removed and the coffer or bladder dams are removed.

Task 3. Monitoring

a. Every day, before the start of construction activities, the turbidity screen is checked and repaired if necessary.
b. The foreman or other designated individual checks the area inside the screen and the screen itself to see if any protected species (manatees, dolphins, small tooth sawfish etc.) have gotten trapped within the work area or in the screen. If so then appropriate (FWC) personnel are notified to request removal. No work is begun until the animal, fish or bird is removed.
c. During the work day the work area and area adjacent to the work are is monitored to make sure protected species have not ventured into the area. If so then work is stopped until the animal moves out of the area.
d. At the end of the day the area is checked for debris, sediment and possible spillage and these are properly removed and disposed of before shutting down the site.
e. If a storm is anticipated that might damage the turbidity screen it is removed and stored until the storm event has passed and seas have resided.

Best management practices (BMPs) for erosion control associated with the ramp and parking lot work would be implemented and maintained at all times during construction to prevent siltation and turbid discharges into waters of the state. Upland silt and sedimentation control measures would be installed and properly maintained at all points where runoff from disturbed areas could result in water quality impacts. This may include the use of filter fences (staked or floating), sedimentation screens, erosion control blankets or other appropriate erosion and turbidity control measures. The in-water use of silt curtains and the dewatering of work areas for the boat ramp repairs would further help limit the scope, nature, and extent, of any turbidity impacts.

Critically, during any in-water construction activity, the conditions and guidelines of the *Sea Turtle and Smalltooth Sawfish Construction Conditions* (NOAA, 2006) would be implemented and adhered to. These provisions include stopping operation of any equipment if sea turtles or smalltooth sawfish come within 50 feet of the equipment until the time when animals leave the project area of their own volition (the full scope of these conditions is described in the *Sea Turtle* component of the *Effects* section below).

Figures 2 and 3 provide views of the proposed project area looking out from the ramp at the water and looking back at the ramp from the dock to be repaired respectively.

Effect of the Proposed Action

As part of the project review process, we carefully reviewed and completed an initial National Marine Fisheries Service Endangered Species Checklist for this project on July 30, 2013. As part of this effort, we reviewed a list of species and their critical habitat that "may be present" within the project area. The 7 species from this list that may be present in the proposed project area, and their status, include:

- Gulf Sturgeon, *Acipenser oxyrinchus desotoi*, Threatened
- Smalltooth Sawfish, *Pristis pectinata*, Endangered
- Green Sea Turtle, *Chelonia mydas*, Endangered
- Loggerhead Sea Turtle, *Caretta caretta*, Threatened
- Hawksbill Sea Turtle, *Eretmochelys imbricate*, Endangered
- Leatherback Sea Turtle, *Dermochelys coriacea*, Endangered
- Kemp's Ridley Sea Turtle, *Lepidochelys kempii*, Endangered

An evaluation of potential impacts to each of these species follows.

Gulf Sturgeon

The proposed project does not intersect any Gulf Sturgeon critical habitat units (Federal Register, 2003). Therefore no critical habitat will be impacted. Direct risks to Gulf sturgeon during project activity will be limited to the period of in-water work associated with any dock renovation work and repairs to the boat ramp. The extent of this exposure would be limited in scope and duration. The upland work on the parking area would pose no direct risk to Gulf sturgeon. As a result, the minimal physical extent of the potential in-water work will help reduce risks to Gulf sturgeon. In addition, Gulf sturgeon are

mobile and will likely avoid any in-water project work area as a result of noise and activity. However, to minimize risks, the project will be implemented incorporating the guidelines identified within the *Sea Turtle and Smalltooth Sawfish Construction Conditions* (NOAA, 2006) to help to avoid any injury (see *Sea Turtles* section below for complete description of these guidelines). As a result of the limited expected potential for project activity interaction with Gulf sturgeon and incorporation of the guidelines for in-water work impacts to Gulf sturgeon are not likely be detectable or measurable so would be insignificant.

Smalltooth Sawfish

Encounter data indicate a resident population of Smalltooth sawfish exists only in southwest Florida (Simpfendorfer and Wiley, 2005). Only scattered individual encounters of species have occurred in areas north of Charlotte Harbor (Norton et al. 2012). In addition, most of the encounters reported from the Panhandle between 2001 and 2006 were associated with sandy beaches or in deeper water (NMFS 2009). Due to the lack of suitable habitat and extremely rare occurrence of Smalltooth sawfish in the project area, exposure to the proposed project is unlikely. In addition, adverse effects due to the proposed project are not likely to be detectable or measurable due to the proposed implementation of NMFS's *Sea Turtle and Smalltooth Sawfish Construction Conditions* (NOAA, 2006). Therefore, effects to Smalltooth sawfish due to the proposed project would be insignificant.

Sea Turtles

The project location does not intersect with any identified critical sea turtle habitat (NOAA, 2013). However, the range of sea turtles suggests they could occur in the project area. Florida conducts sea turtle nesting monitoring which provides some indication of sea turtle activity levels in the area. The project area for the boat ramp was not directly surveyed, but data exists for Hurricane Island, which is approximately 3 miles away. The nesting data are summarized in Table 1 to provide some proxy of potential sea turtle presence in the project area. Figure 4, developed using the state's sea turtle nesting and occurrence reporting system (FWC, 2013), shows the portion of the surveyed beach nearest the project location.

Table 1. Summary of Sea Turtle Nesting and Occurrence Data from the nearest surveyed beaches to the project area (Hurricane Island ~3 miles away. See Figure 4 for orientation relative to project site)

Sea turtle	***Nesting density rank***[a]
Green sea turtles	Not present
Loggerhead sea turtles	Medium
Leatherback sea turtles	Low

Sea turtle	***Nesting occurrence data***[b]
Hawksbill sea turtles	Absent
Kemp's ridley sea turtles	Absent

[a] Nesting habitat for these species is ranked based on quartiles of observed density in the state along surveyed reaches of beach based on data from 2008-2012. Low values were in the lower quartile, high values in the highest quartile and the Medium value reflects an observation from the middle two quartiles. Not present indicates no observed nesting from 2008-2012.

[b] The available data from 2008-2012 for these species is summarized only in terms of whether the species nested (i.e., present) or not (i.e., absent) during the period in the surveyed area.

Source. FWC, 2013

Table 1 suggests loggerhead sea turtles might be present in the project area although the project location in an inner bay may reduce the likelihood of their presence. Additionally, sea turtles are mobile and will likely avoid the project area during periods of in-water work as a result of noise and activity. However, to reduce the risk of adverse impacts to sea turtles, and other species, the best management practices identified within the *Sea Turtle and Smalltooth Sawfish Construction Conditions* (NOAA, 2006) will be implemented during periods of in-water work. These conditions specify the following:

a. The permittee shall instruct all personnel associated with the project of the potential presence of these species and the need to avoid collisions with sea turtles and smalltooth sawfish. All construction personnel are responsible for observing water-related activities for the presence of these species.

b. The permittee shall advise all construction personnel that there are civil and criminal penalties for harming, harassing, or killing sea turtles or smalltooth sawfish, which are protected under the Endangered Species Act of 1973.

c. Siltation barriers shall be made of material in which a sea turtle or smalltooth sawfish cannot become entangled, be properly secured, and be regularly monitored to avoid protected species entrapment. Barriers may not block sea turtle or smalltooth sawfish entry to or exit from designated critical habitat without prior agreement from the National Marine Fisheries Service's Protected Resources Division, St. Petersburg, Florida.

d. All vessels associated with the construction project shall operate at "no wake/idle" speeds at all times while in the construction area and while in water depths where the draft of the vessel provides less than a four-foot clearance from the bottom. All vessels will preferentially follow deep-water routes (e.g., marked channels) whenever possible.

e. If a sea turtle or smalltooth sawfish is seen within 100 yards of the active daily construction/dredging operation or vessel movement, all appropriate precautions shall be implemented to ensure its protection. These precautions shall include cessation of operation of any moving equipment closer than 50 feet of a sea turtle or smalltooth sawfish. Operation of any mechanical construction equipment shall cease immediately if a sea turtle or smalltooth sawfish is seen within a 50-ft radius of the equipment. Activities may not resume until the protected species has departed the project area of its own volition.

f. Any collision with and/or injury to a sea turtle or smalltooth sawfish shall be reported immediately to the National Marine Fisheries Service's Protected Resources Division (727-824-5312) and the local authorized sea turtle stranding/rescue organization.

As a result, of the consideration of the possible presence of sea turtles along with the limited scope of in-water work and adherence to relevant construction guidelines, adverse effects to sea turtles due to the proposed project are not likely to be detectable or measurable so would be insignificant.

Determination of Effect

Based upon this review, we conclude the proposed action "may affect, but is not likely to adversely affect" the following protected species and associated critical habitats in the project area:

- Gulf Sturgeon - The proposed may project affect, but is not likely to adversely affect and will not jeopardize the continued existence of the species.
- Smalltooth Sawfish – The proposed project may affect, but is not likely to adversely affect and will not jeopardize the continued existence of the species.
- Green Sea Turtle - The proposed project may affect, but is not likely to adversely affect and will not jeopardize the continued existence of the species.
- Loggerhead Sea Turtle - The proposed project may affect, but is not likely to adversely affect and will not jeopardize the continued existence of the species.
- Hawksbill Sea Turtle - The proposed project may affect, but is not likely to adversely affect and will not jeopardize the continued existence of the species.
- Leatherback Sea Turtle - The proposed project may affect, but is not likely to adversely affect and will not jeopardize the continued existence of the species.
- Kemp's Ridley Sea Turtle - The proposed project may affect, but is not likely to adversely affect and will not jeopardize the continued existence of the species.

References

Federal Register. 2003. 68 Federal Register 13369-13418; Department of the Interior, Fish and Wildlife Service, 50 CFR (Code of Federal Regulations) Part 17; Department of Commerce, National Oceanic and Atmospheric Administration, 50 CFR Part 226. *Endangered and Threatened Wildlife and Plants, Designation of Critical Habitat for the Gulf Sturgeon, Final Rule*. March 19, 2003.

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Norton, Shelley L., Tonya R. Wiley , John K. Carlson , Amanda L. Frick , Gregg R. Poulakis & Colin A. Simpfendorfer (2012) Designating Critical Habitat for Juvenile Endangered Smalltooth Sawfish in the United States, Marine and Coastal Fisheries: Dynamics, Management, and Ecosystem Science, 4:1, 473-480, DOI: 10.1080/19425120.2012.676606.

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U.S. Army Corps of Engineers/National Marine Fisheries Service. 2001. *Construction Guidelines in Florida for Minor Piling-Supported Structures Constructed in or over Submerged Aquatic Vegetation (SAV), Marsh or Mangrove Habitat.* August.

Figures

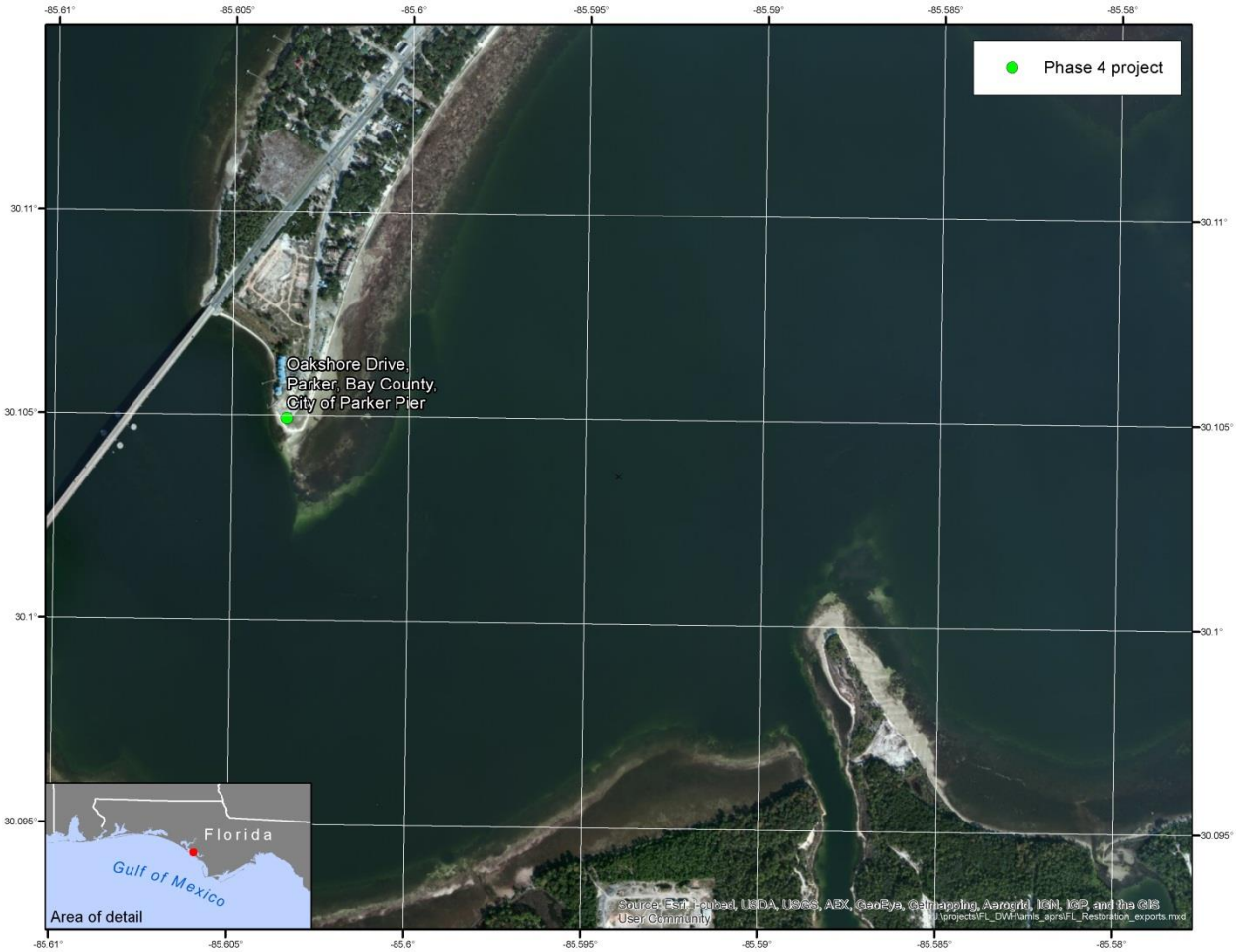

Figure 1. City of Parker Earl Gilbert Boat Ramp project.

Figure 2. Photo of the proposed project area including the boat ramp and dock that will be repaired.

Figure 3. Photo of the proposed project area including the boat ramp and dock that will be repaired looking back at the ramp from the dock.

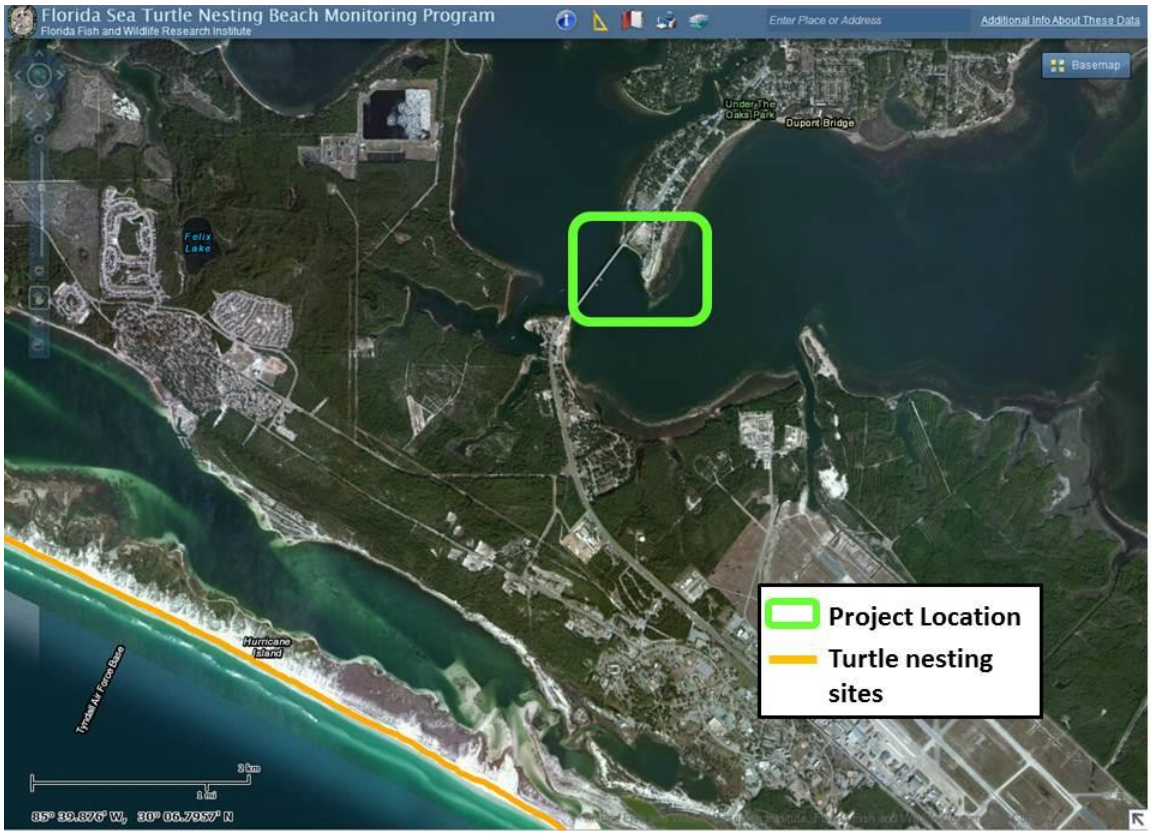

Figure 4. Image showing nesting locations for sea turtles. Only loggerhead and leatherback sea turtles have been found to nest in the locations highlighted in orange.