

## Appendix C-6

Response to Comments of the U.S. Coast Guard, February 4, 2015 and October 17, 2015 on SAJ-2004-12518 (SP-JCM), for the St. John Marina - Summer's End Marina in Coral Harbor on St. John

- 1) The Applicant acknowledges that there is a privately maintained channel in the vicinity of the proposed marina. It currently is marked with private aids to navigation in the channel. To the extent additional markings are required to ensure safe passage of vessels across the channel to access the marina, the Applicant will work the USCG to identify the locations and types of PATON appropriate for the area. The applicant is proposing to install informational buoys to assist boaters in avoiding shallow waters that contain protected resources. As part of its website and mobile application, the Applicant will be working with the National Park Service to disseminate information on safe boating practices and proper navigation in the area and within the park.
- 2) As requested by the USCG, a detailed wind and wave analysis has been prepared and is provided in Appendix B. The detailed wave wind analysis was undertaken by Technomarine USA in 2016 and their wave models conclude that most of the wave energy is refracted towards the surrounding shorelines before reaching Coral Harbor, and the maximum modeled wave heights reaching the south side of the proposed marina are approximately 11 percent of the offshore wave height. They used SWAN (Simulating Waves Nearshore) models to estimate the extreme wind waves that can occur from wind wave growth over the fetch to the southeast of the project site during hurricane events.
- 3) The Applicant does not anticipate transferring 250 barrels of fuel to any single vessel. The applicant anticipates that 1,975,572 gallons of fuel will be sold annually as part of marina operations. This may increase as the availability of fuel becomes more well known.
- 4) The number of permanent moorings has been reduced to 12 and the proposed locations and dimensions have been provided to DPNR and are shown in the attached revised plans (Appendix A).
- 5) (Listed as second #3 in email dated February 4, 2015). A detailed environmental assessment of the area and its impact of the proposed project has been done. The project will probably impact 3.75 acres of Submerged Aquatic Vegetation. There are no ESA listed corals within the project boundaries but these corals are found less than 0.1 miles away. As part of the long-term monitoring proposed by the applicant these corals will be monitored so that if impacts are noted steps can be taken to abate those impacts. The Nassau grouper which has recently been listed does occur within the project area. The construction of the marina should not impact this species. The ESA listed sea turtle species do occur within the harbor and within the transit paths for vessels coming to and from the proposed marina. Impacts to turtles both during construction and during operation of the marina have been addressed in the response to NMFS.