



- 777 S. Fed. Hwy., Apt. C-105 Dock
- Survey Area
- Transects (50' Out)

<div>Benthic Surveys, Inc.</div> <div>Marine Studies and Investigations 954-536-5048</div>	777 S. Federal Highway, Apt. C-105 Seagrass Survey	REVISION		DATE
				8/17/2024
	Aerial Map Section 6/Township 49/Range 43 Pompano Beach, Broward County, FL			SHEET
				1 of 1
				SCALE: As Shown

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Background

A benthic survey was performed adjacent to the existing dock for 777 S. Federal Highway, Apt. C-105, Pompano Beach, Broward County, Florida. The survey was conducted via SCUBA diving by swimming transects parallel to the shoreline at increasing distances and depths from the shoreline. The final transect was at a distance of 50 feet from the shoreline to encompass the footprint of the proposed construction. Submerged aquatic vegetation (SAV) was to be observed and noted with emphasis being placed on seagrass.

Special interest was placed on any presence of any seagrass species, but with emphasis on *Halophila johnsonii* and *Halophila decipiens*. *H. johnsonii* was delisted as a threatened species by the National Oceanographic and Atmospheric Administration (NOAA) on May 16, 2022. Johnson's seagrass is still afforded protection under the Magnuson-Stevens Fishery Conservation and Management Act because the South Atlantic Fishery Management Council Designates all seagrasses as Essential Fish Habitat and Habitat Areas of Particular Concern.

Survey Method and Conditions

On August 17, 2024, at 10:45am, a marine biologist of Benthic Surveys, Inc. performed transects parallel to the shoreline at the dock of Apt. C-105. Transects began at the shoreline at the east end and proceeded to the west end. Subsequent transects were conducted in this east-west fashion, with five-foot spacing, until a distance of 50 feet from the shoreline was reached. Any SAV of significance was to be recorded and the percent coverage noted based on a one square meter quadrat measurement.

Rip rap is present from the edge of the shoreline, out to approximately five (5) to six (6) feet. The rip rap was exposed at the time of the survey. The next transect was conducted at the front edge of the dock where water depths were three (3) feet. Depths increased to 18 feet in the final transect. High tide on the day of the survey was 6:38am and low tide occurred at 12:59pm as reported at Hillsboro Inlet.

Results

The substrate throughout the survey area consisted of silty muck that was covered with oysters and small rocks. No regulated marine vegetation was observed in any transect. The attached aerial illustrates the survey area described.

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This report was requested by the applicant as part of the regulatory permitting process for the proposed project. Benthic site conditions and resources may change over time, but the information contained in the report is based on existing site conditions on the day and time the survey was conducted.

Respectively submitted,

Stephanie Voris

Stephanie Voris, President