



## PROJECT SPOTLIGHT

### King's Bay Restoration Project: Phase 1BC - Canals 5 and 7



**Project Location:** Crystal River, FL


**Name of Owner:** Save Crystal River

**Owner Contact:** Michelle Sivilich, PhD

**Construction Date:** 05/11/2018 – Current

### Scope of work

1. Remove algae and detrital material using a hydraulic suction removal method while following manatee restriction deadlines
2. Prepare cleaned bottom for replanting of specified SAV (*Vallisneria americana*)
3. Cultivate SAV, plant SAV, fabricate and deploy GrowSAV™ Herbivory Exclusion Devices
4. Collaborate with qualified contractors and subcontractors
5. Maintain, monitor and generate reports monthly for SAV and Herbivory Exclusion Devices



Sea & Shoreline, LLC and Save Crystal River, Inc. partnered to remove 4.70-acres of *Lyngbya wollei* and detrital material that had accumulated within two canals (5 and 7) located near Kings Bay in Crystal River, Florida. The vacuum removal of this unwanted algae and materials created an ideal substrate so that *Submerged Aquatic Vegetation* (SAV) could be successfully installed. As the prime contractor, Sea & Shoreline vacuumed the detrital material, processed the material, cleaned the water, and returned the clean water back to the canals so that the natural water levels were not affected by the dredging process. Once dredging was finished, Sea & Shoreline divers installed 494 Sea & Shoreline GrowSAV™ Herbivory Exclusion Devices and 2,467 4" Peat Pot planting units into the cleaned substrate. During this project 23,500 mechanical planting units were also fixed throughout the newly dredged canals to promote running shoots between the planting units. Monthly, the canals are monitored, and maintenance is performed on all the enclosed and exposed planting units. During the events, extreme plant growth has been observed and water quality is steadily improving.