



BEFORE

AFTER

PROJECT SPOTLIGHT

King's Bay Restoration Project



Project Location: Crystal River, FL
Name of Owner: Save Crystal River
Owner Contact: Lisa Moore
Construction Date: 2014 - 2023

Scope of work

1. Design and permit
2. Mobilize equipment and personnel
3. Remove detrital and dewater
4. Demobilize hydraulic pumping and separating equipment
5. Cultivate and plant SAV
6. Fabricate and deploy temporary herbivory exclusion devices
7. Maintain, monitor and generate project progress reports



Sea & Shoreline, LLC and Save Crystal River, Inc. partnered to remove over 92-acres of Lyngbya and detrital material that had accumulated within residential canals 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. Sea & Shoreline vacuumed the detrital material, processed the material, cleaned the water, and returned the clean water to the canals so that the natural water levels were not affected by the dredging process. Once dredging was finished, Sea & Shoreline GrowSAV™ Herbivory Exclusion Devices were deployed to protect four-inch (4") Peat Pot planting units that were later installed by Sea & Shoreline divers. During this project mechanical planting units were also fixed throughout the newly dredged canals to promote running shoots between the two types of Vallisneria americana planting units, "Rockstar" and "Salty Dog". Monthly, the canals are monitored, and maintained to ensure the enclosed and exposed planting units are performing optimally. During the events, substantial plant growth has been observed and water quality has shown steady improvement. Eelgrass has expanded on its own to over 400-acres.