



# Memo

## Natural Resources Division

Management • Science • Restoration • Outreach

**TO:** Files  
**FROM:** Katie Laakkonen, Environmental Specialist  
**DATE:** August 12, 2014  
**SUBJECT:** Moorings Bay Shoal Survey

---

On August 12, 2014, Katie Laakkonen and Mike Bauer surveyed the flood tide shoal just inside Doctors Pass in Moorings Bay via snorkeling. Various species of seagrass and Caulerpa algae were observed and were spread over most of the entire shoal footprint along with animal species including fish and invertebrates. Photographs were taken to document what was observed. Following is a list of observed flora and fauna:

- Shoal Grass (*Halodule wrightii*)
- Star Grass (*Halophila engelmanni*)
- Paddle Grass (*Halophila decipiens*)
- Caulerpa algae (*Caulerpa prolifera*)
- Caulerpa algae, feathered, wide flat blades (*Caulerpa spp.*)
- Caulerpa algae, feathered, slender blades (*Caulerpa spp.*)
- Horse conch, lightning whelk, 2 batfish, horseshoe crab, lizardfish, eagle ray, lane snappers, tunicates, derelict crab trap (?), fighting conchs, nine-armed sea stars.



Shoal grass



Paddle grass



Star grass



*Caulerpa* spp.



*Caulerpa spp.*

*Cauerpa prolifera*



Lightning Whelk



Nine-armed sea star



Horseshoe crab



Batfish



Fighting conch



Horse conch

*Ethics above all else... Service to others before self... Quality in all that we do.*

