

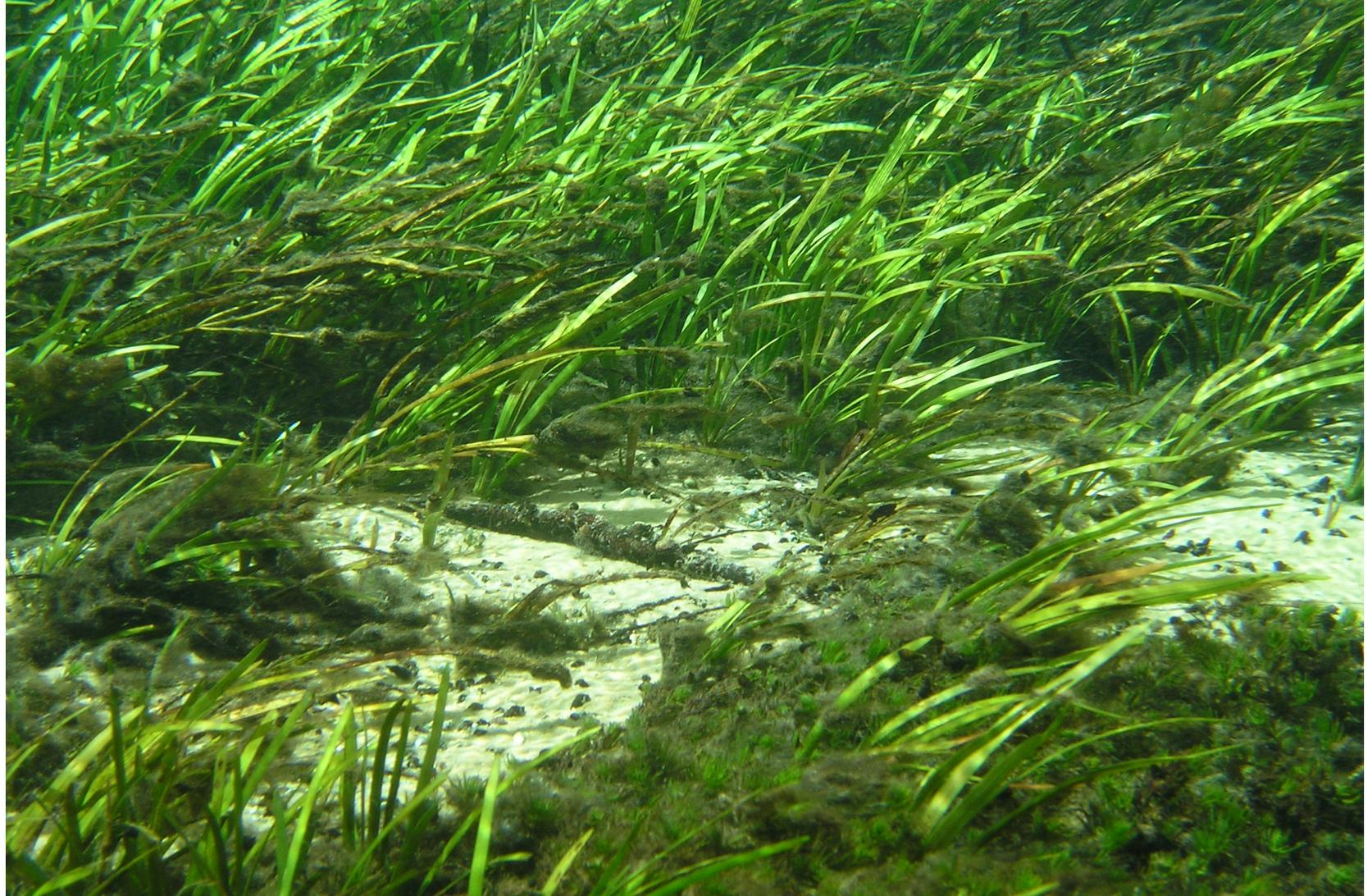


Are Changes in
Ecological Drivers
Inhibiting Submerged
Aquatic Vegetation
Restoration in Florida
Spring Systems?

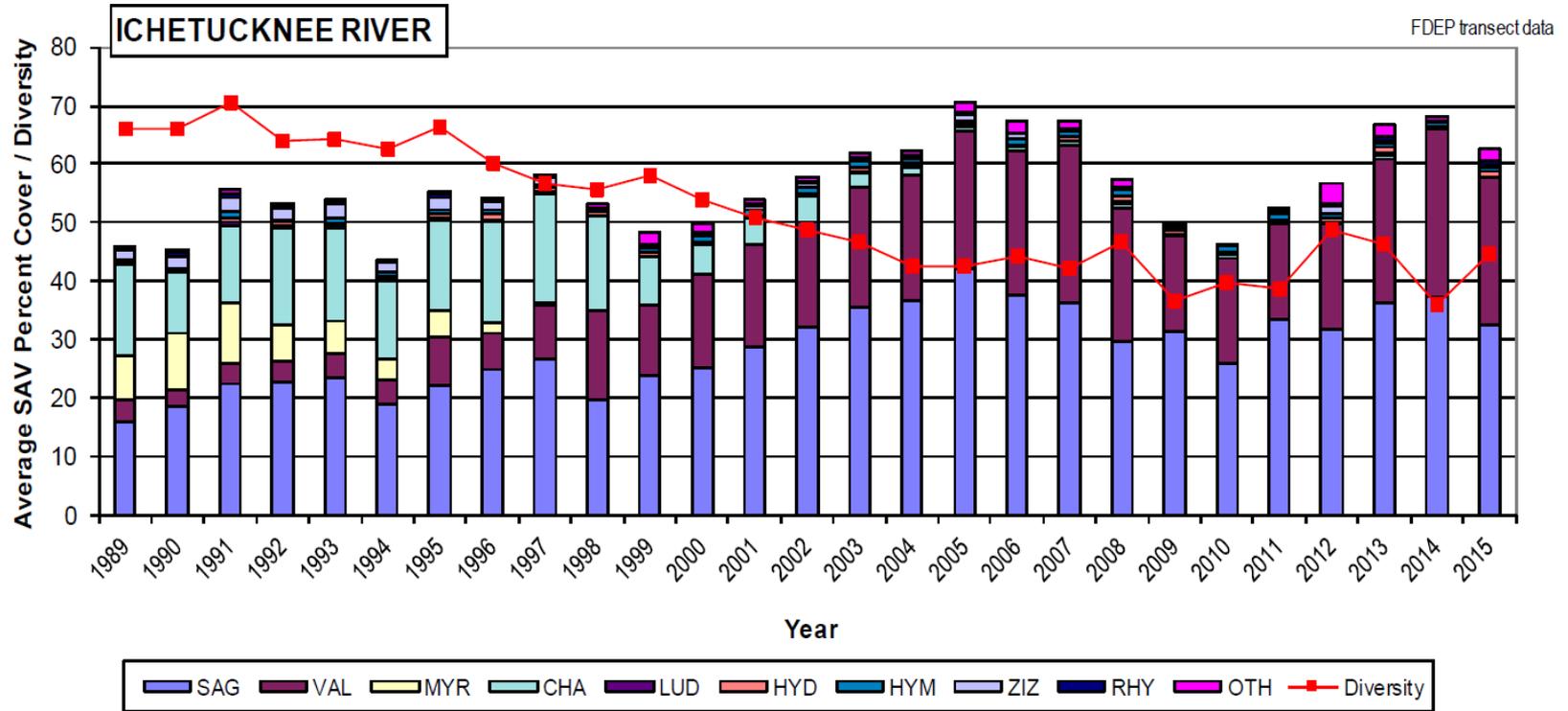
Sean King, PhD, PE

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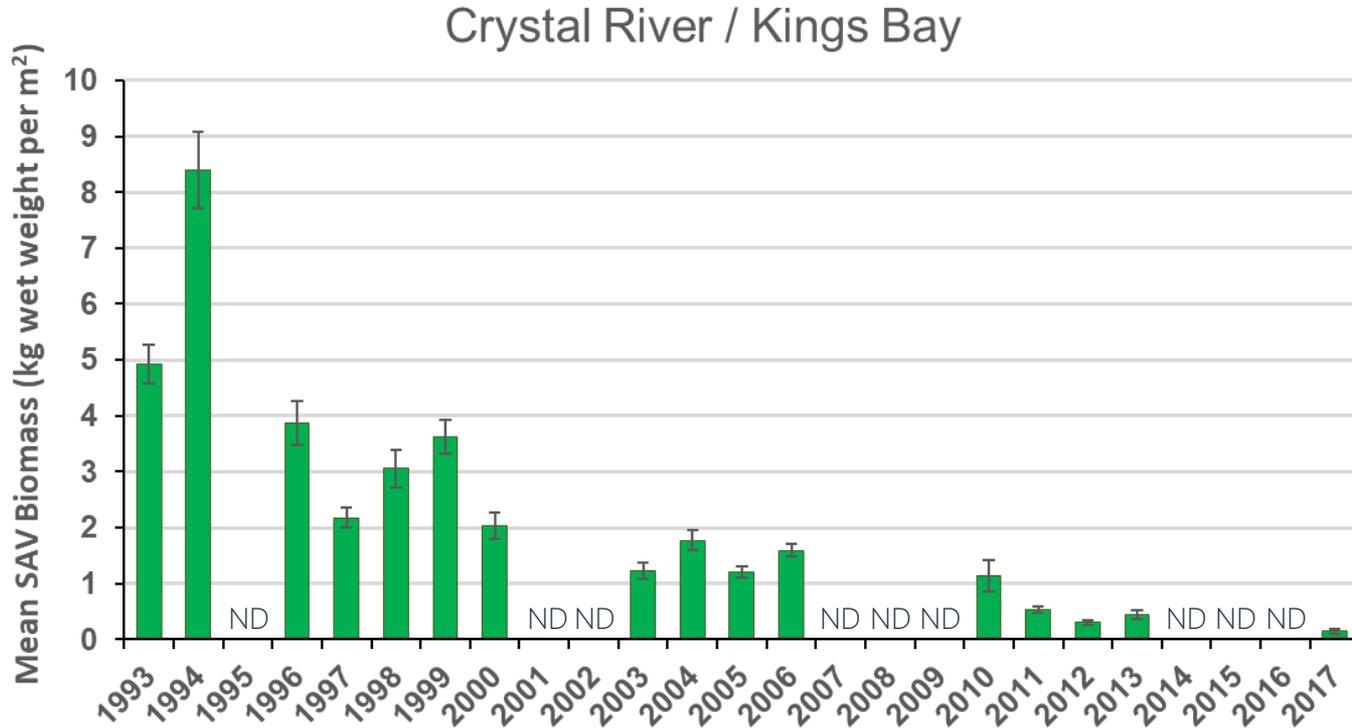
Changes in SAV Communities



Source: Florida Springs Institute 2018



Changes in SAV Communities



Sources: Terrell et al. 1994; Hoyer et al. 2000; Frazer et al. 2013; ATM 2017



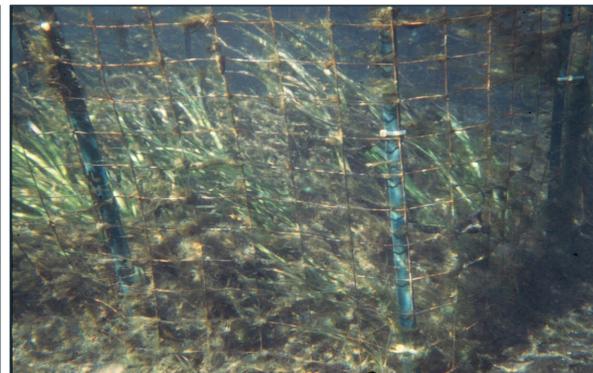
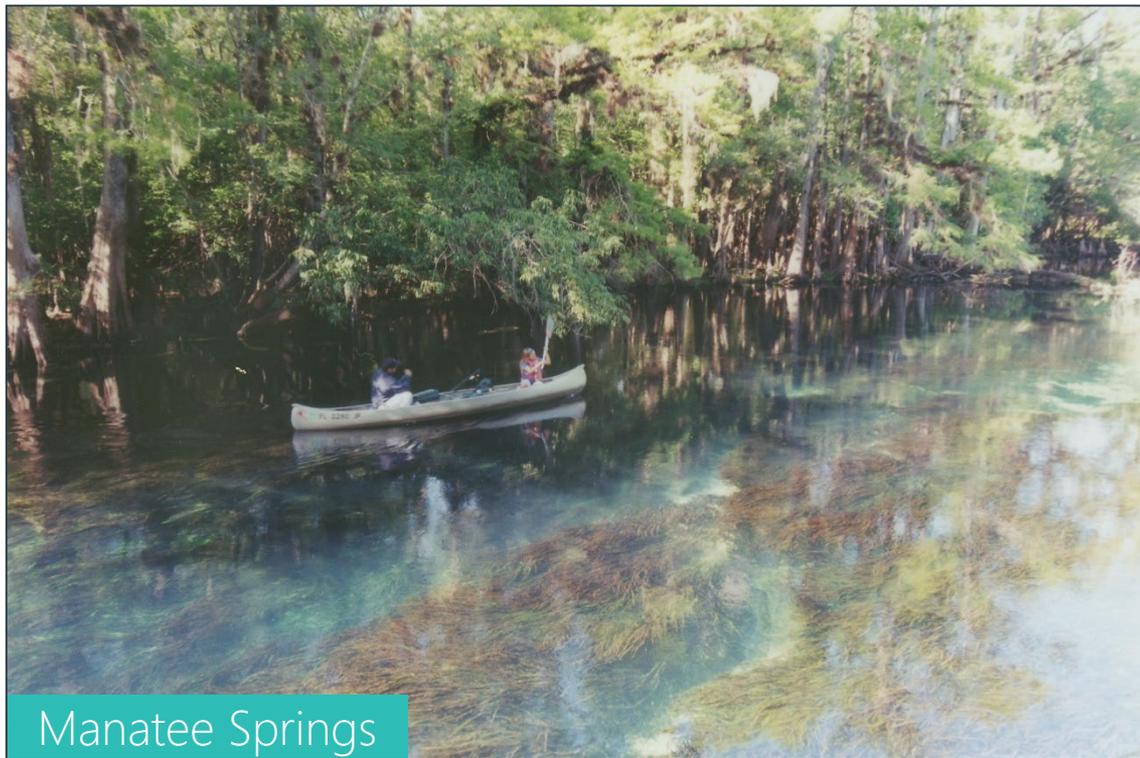
Changes in Ecological Drivers



SAV Restoration Overview



SAV Restoration – Early Efforts



SAV Restoration – Weeki Wachee Spring



SAV Restoration – Weeki Wachee Spring



SAV Restoration – Weeki Wachee Spring



SAV Restoration – Weeki Wachee Spring



SAV Restoration – Weeki Wachee Spring



SAV Restoration – Crystal River/Kings Bay



SAV Restoration – Crystal River/Kings Bay

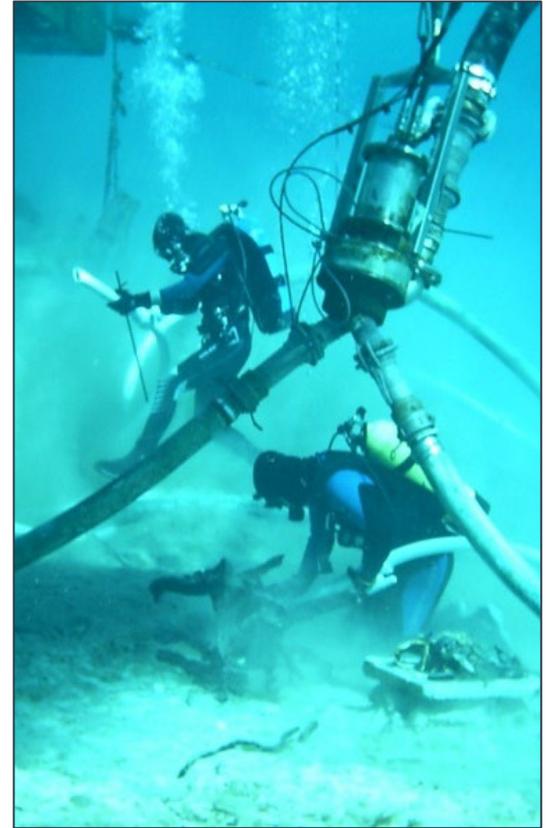
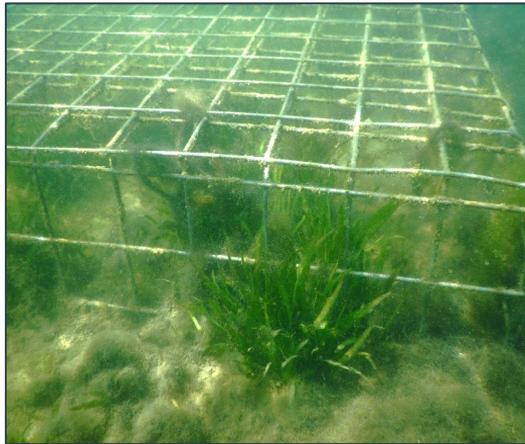


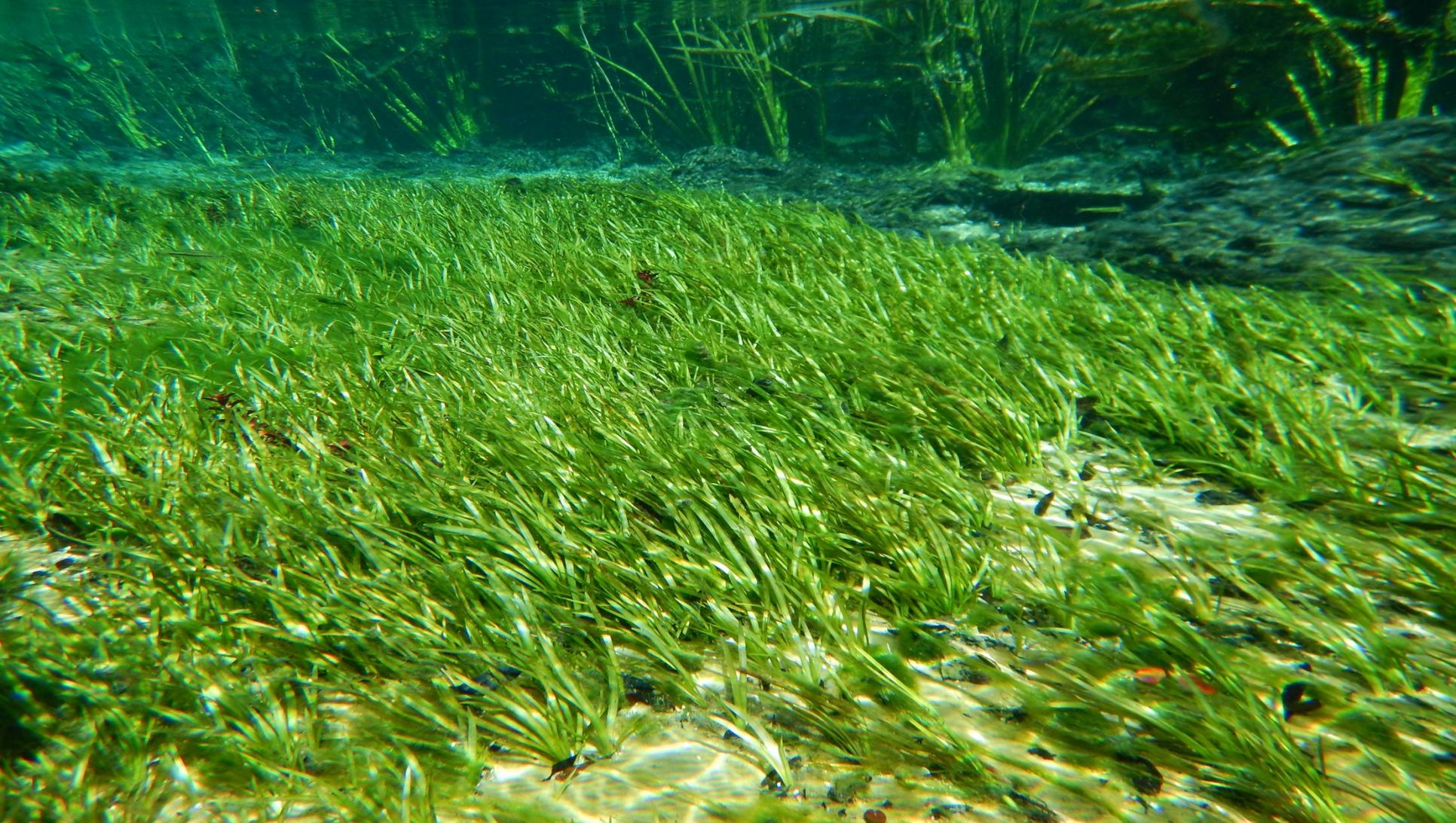
SAV Restoration – Hornsby Spring



SAV Restoration – Lessons Learned

- Planting Techniques
- Herbivory Exclusion
- Algae/Muck Removal
- Goal: Increase Resilience





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