Under pressure... how to succeed as a deepwater seagrass

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Next steps:

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UTS:

Aims

- Define potential light intensity and temperature thresholds that drive deepwater seagrasses
- Use this information to build management-driven thresholds for dredging and coastal development impacts

Background & Objectives

Deepwater seagrasses of the GBR lagoon are a poorly described resource yet cover > 31,000 km². Halophila spp. dominate at these depths however there is little distinction into species-specific growth characteristics.



1. Halophila decipiens and Halophila spinulosa

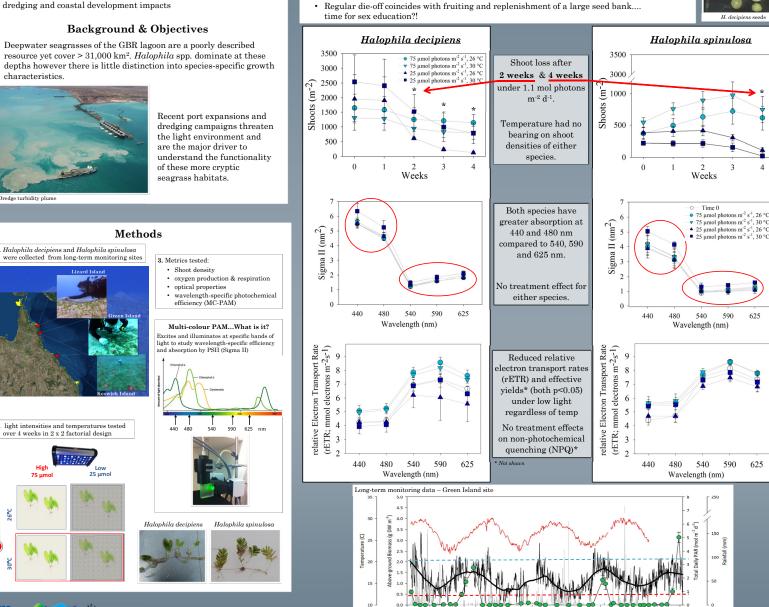
2. light intensities and temperatures tested

over 4 weeks in 2 x 2 factorial design

75 um

JAMES COOK UNIVERSITY

AUSTRALIA



2012

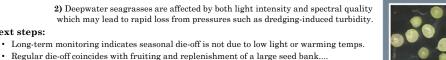
Dec Feb Apr Jun Aug Oct Dec

2014

2015

2013

Take-home: 1) Not all deepwater Halophila species are created equal.





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