

FKNMS Benthic Habitat Monitoring Program May 2018 Report

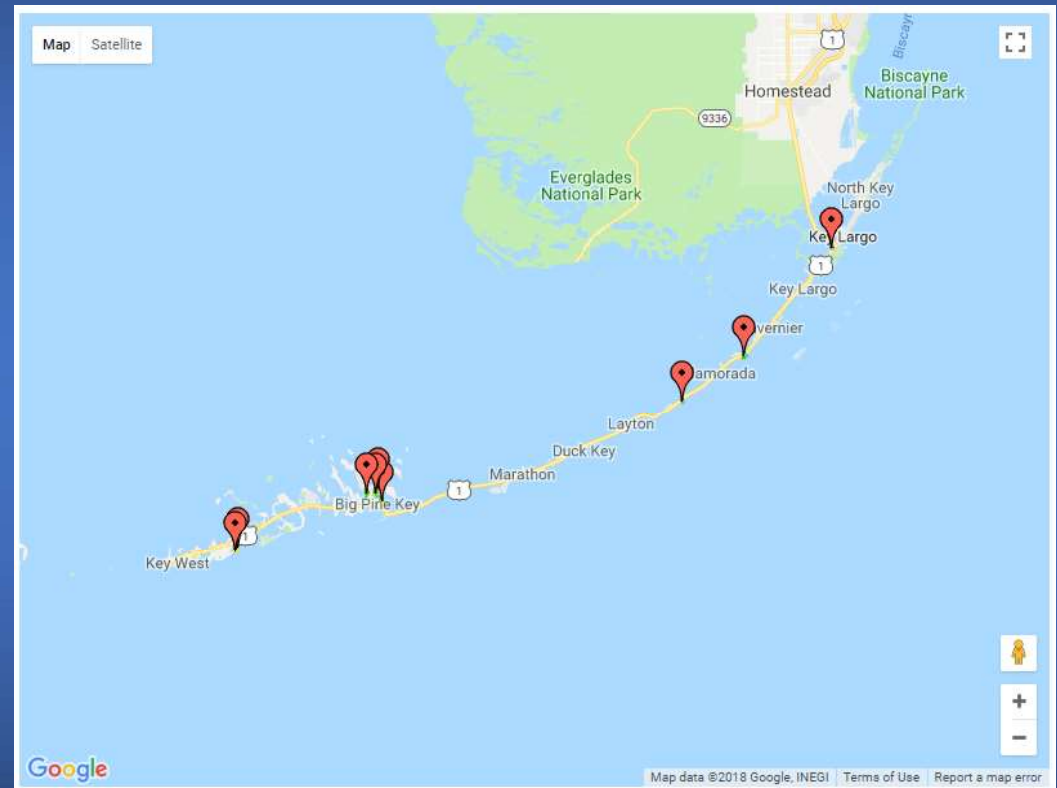
Dr. James W. Fourqurean and Sara S. Wilson

**Water Quality Protection Program Steering Committee Meeting
May 22nd, 2018 – Marathon, FL**



Benthic Habitat Monitoring - Canals

- 19 canals (7 treatments)
 - 5 Islamorada canals
- Benthic community assessment
 - Vegetation coverage
 - Seagrass nutrients
 - Fish surveys
 - Seawall assessments
- Sediment (“muck”) measurements
 - Muck depth
 - Sediment bulk density
 - Sediment nutrients



Canal # 282 Post-Irma

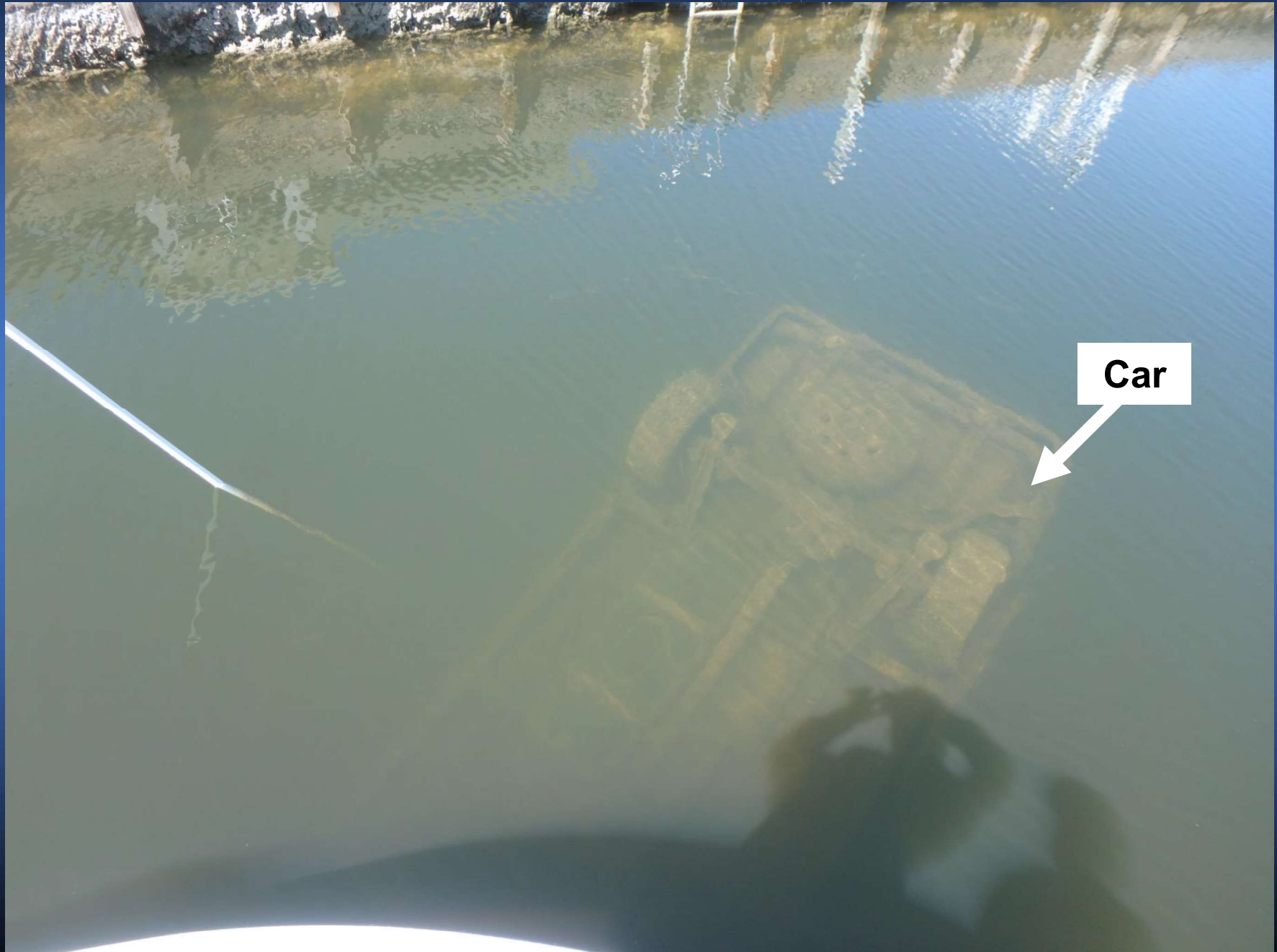


**Unknown
large debris**

Couch

**Mat of floating
wrack and
garbage**

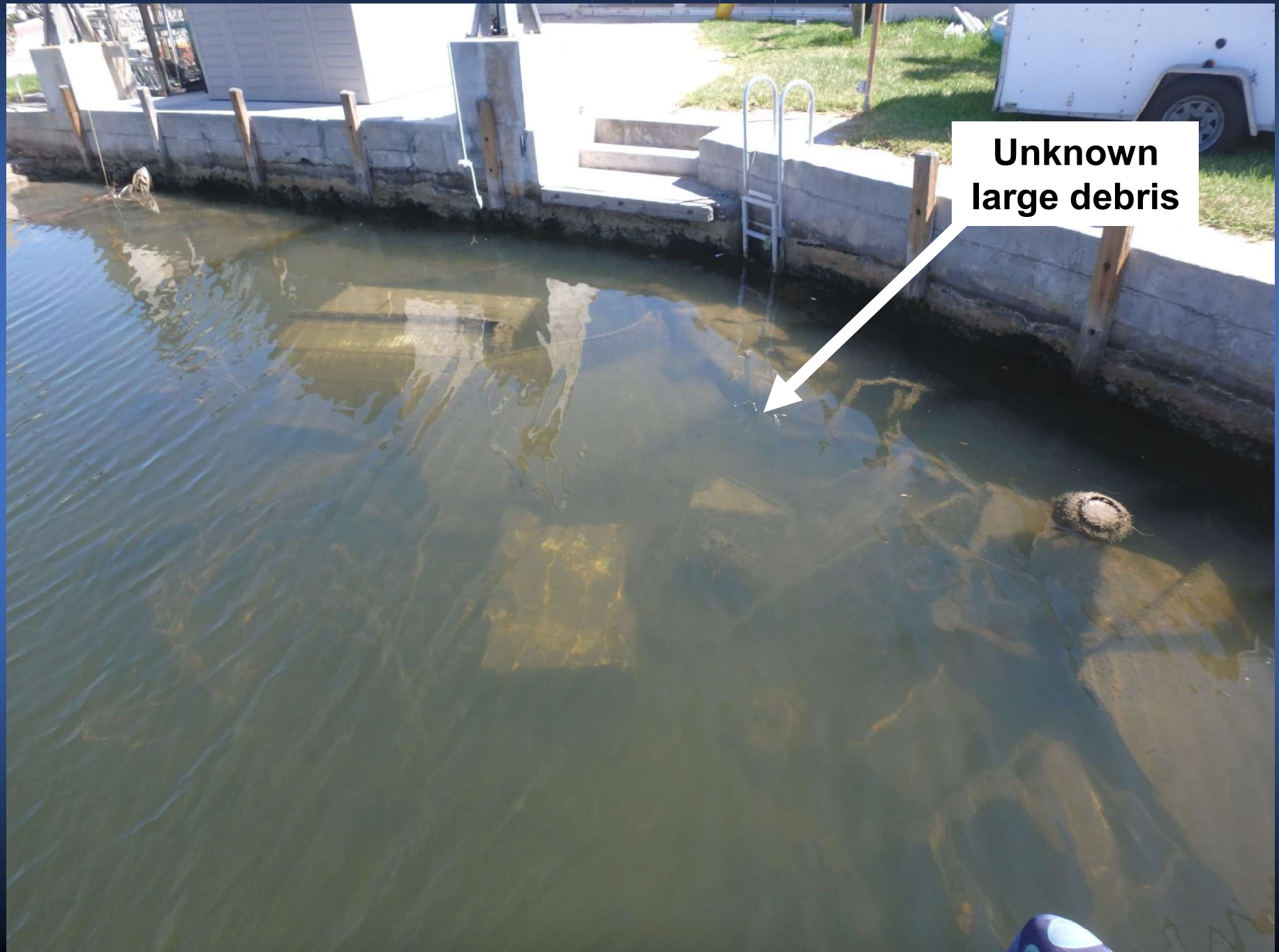
Canal # 282 Post-Irma



Canal # 282 Post-Irma



Canal # 282 Post-Irma

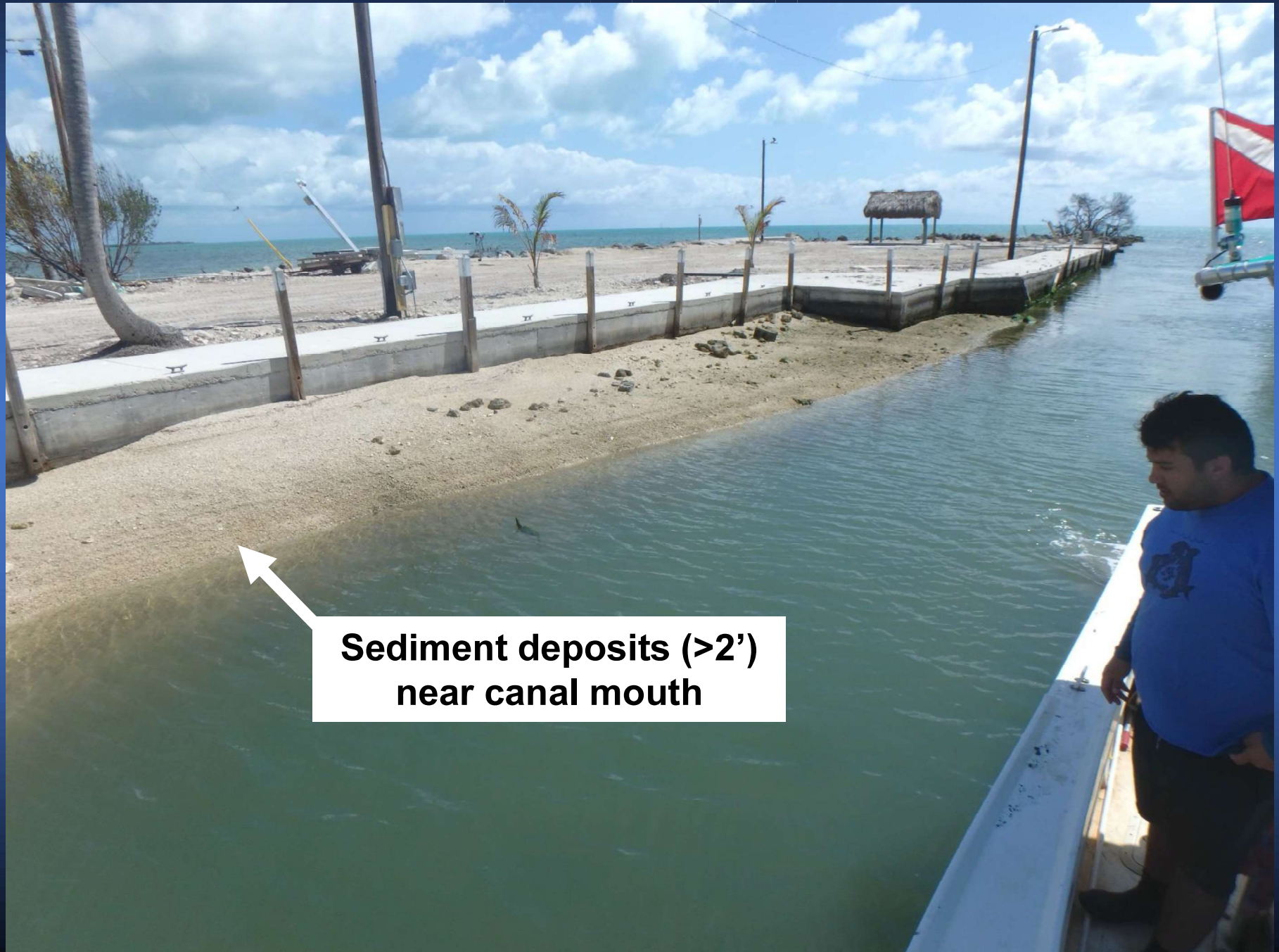


**Unknown
large debris**

Canal # 282 Post-Irma



Canal # 148 Post-Irma



**Sediment deposits (>2')
near canal mouth**

Deliverables Timeline

- 2017 “Fall” sampling (usu. Sep/Oct) pushed back, occurred February 2018
- Sample processing during March and April 2018
- Currently analyzing data
- We estimate completion of the Final Project Report by end of June 2018
- Funded through Village of Islamorada to continue our monitoring- will conduct fall/summer sampling beginning fall 2018
- We will continue to update the website and provide data as it is generated
 - <http://seagrass.fiu.edu/canals.htm>