



Sedimentation Scanner

for Coral and Mangrove Health

TECHNOLOGY AND APPLICATION

WorleyParsons' Marine Science team has exclusive access to a unique new technology which enables sediment to be measured on a daily basis via a remote scanning device, thus dramatically reducing HSE risk, exposure and impact.

Sedimentation can be calculated to the minute if required, but daily calculation provides a proactive way to manage dredge related impacts.

The Sedimentation Scanner provides a geospatially referenced jpeg for analysis and storage; with this method the impacting processes associated with sedimentation can be monitored in the office.

The scanners can be set up either offshore (corals and seagrass) or onshore (mangroves), and are deployed half buried in the sediment at sensitive benthic primary producers.

RESULTS

The images and analysed graphs are fed in real-time to the project environmental control center at WorleyParsons, who track dredge statistics, environmental variables, water quality and sedimentation in real-time.

This live data helps our customers manage their projects so they avoid any unpredicted environmental impact or associated costly stoppages.

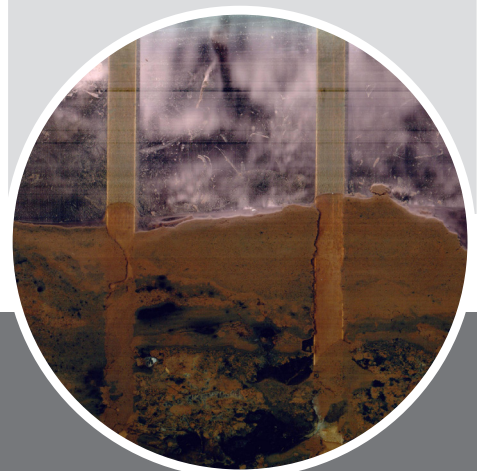
Data capture using this technology has been exceptional, with impact sites showing daily sedimentation fluctuations within 5% of the mean.

The Sedimentation Scanner technology was awarded the 2011 Golden Gecko for Environmental Excellence for WorleyParsons' application of this technology on the Conformance Monitoring of South West Creek for our customer, Port Hedland Port Authority.

DIVERLESS SOLUTIONS

Proud recipients of:

- 2012 - Consult Australia Award Winner for Technological Innovation
- 2012 - Finalist IFAP Safety Innovation
- 2011 - Golden Gecko Environmental Excellence Award Winner
- 2011 - APPEA Safety Innovation Award - Overall Winner
- 2011 - APPEA Safety Innovation Award - Industry Choice Winner



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