



Active Acoustic Monitoring

for Marine Fauna

TECHNOLOGY AND APPLICATION

WorleyParsons minimise the field exposure of personnel and collect superior data by utilising active acoustic monitoring techniques to monitor marine fauna.

This involves equipment being deployed in exclusion zones that uses active acoustic monitoring to detect marine fauna entering into the zone.

Intrusions are then reported via SMS alerts to nominated personnel.

This system allows the potential target strength, speed and direction of marine mammals within range to be displayed in near-real time.

This technology prevents the risk of human error, as visual surveys typically undertaken by Marine Mammal

RESULTS

Active acoustic monitoring equipment is most efficient when used as an 'early warning system' to identify the likely presence of marine fauna in the area (or approaching the area), and also provides an independent unbiased assessment on which management procedures should be used.

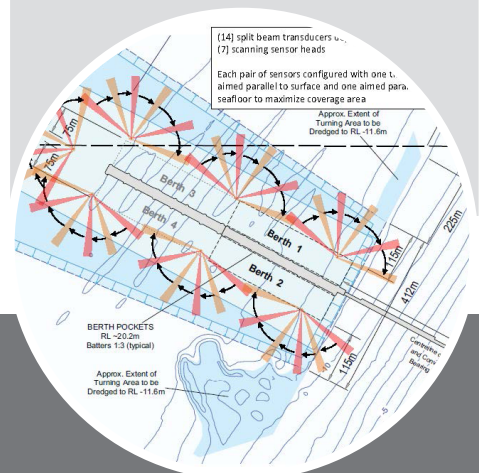
Marine fauna personnel can then be mobilised to confirm the detection as positive, and undertake management actions to ensure no impacts occur.

This minimises costs associated with labour and vessels and provides a safer working environment, whilst still offering state-of-the-art protection to marine fauna.

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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