

McMULLENOLAN

LAND SURVEY

HYDROGRAPHIC SURVEY

3D LASER SCANNING

3D VISUALISATION

MAPPING

SOLID TERRAIN MODELS

CARTOGRAPHICS

GIS

Using a purpose fitted 6 meter power boat; McMullen Nolan's expertise in surveying and mapping solutions has extended to the offshore environment with our hydrographic survey services.

Operating in moderate open waters, the vessel is equipped with a digital hydrographic system including a dual frequency transducer for penetration of silty and muddied water, providing 0.02m accuracy in water depths ranging from 30cm to 30m. Real Time Kinematic (RTK) differential GPS positioning allows the vessel to work in any location via the use of a mobile base station.



HYDROGRAPHIC SURVEY

hydro@mapsurvey.com.au

HEAD OFFICE

Suite 11 Level 2, 2 Hardy Street South Perth WA 6151

PO BOX 117 South Perth WA 6951

T +61 8 9474 1099 F + 61 8 9474 1093

E maps@mapsurvey.com.au W www.mapsurvey.com.au

HYDROGRAPHIC SURVEY

HYDROGRAPHIC SURVEY SERVICES INCLUDE:

- Harbour maintenance
- River and Estuary surveys
- Debris and clearance surveys
- Beach canal profiling
- Dredging and engineering surveys



Land development canal survey



Sample display of hydrographic survey operation

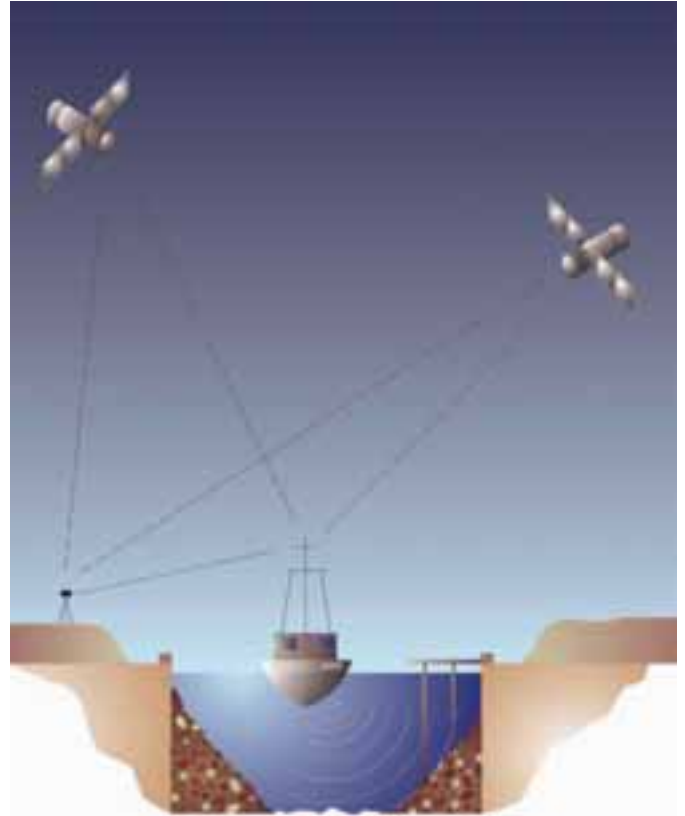


Diagram of typical hydrographic survey operation



RTK beach setup