

### ABSTRACT

Between 13th and 15th June, 1992, Associated Surveys International conducted an echo sounder and side scan sonar survey over a 3km by 3km site centred on the proposed Flinders 1 location with given co-ordinates of:

Latitude: 40 deg 22 min 51.83 sec South

Longitude: 145 deg 40 min 18.7 sec East

Eastings: 387261.113 m

Northings: 5529084.837 m

100m spaced primary lines were surveyed on a bearing of 160/340 deg, and cross lines were surveyed at 250 m spacing.

Results of echo sounding, show the seabed across the site to be flat with a very gentle slope from approximately 67m in the south to approximately 69m in the east.

At location a reduced depth of 68.4 m below LAT is recorded and the seabed is flat and smooth.

Preliminary side scan sonar interpretations show no protuberances or debris on the seabed over the site and no evidence of gas seepage is noted.

The side scan sonar records show the seabed to be moderately reflective and textured, interpreted as indicating moderately dense sediments with small scale irregular seabed relief due to the presence of shells and minor current scoured features.

Drop coring near the location confirms the presence of slightly to moderately dense and cohesive fine grained clayey sediments down to 2.6m.

The survey results indicate no hazards to the placement of a rig at this location, and the sediments as sampled near the location should have adequate anchor holding capacity if they are continuous over the rest of the survey area.