SHETLAND MAINLAND

BIGGA

North Tunnel Marine Route

South Tunnel Marine Route

Limit of Survey Area

MLWS and MHWS

LEGEND

MLWS / MHWS — Mean high water springs and mean low water springs

Limits of survey area

Matchline to associated chart

200 — Tunnel marine route with chainage marker scaled from client supplied drawing

10 — Thickness contour of overburden (at 2m contour intervals)

Fault from geophysics interpretation

Rock outcrop

NOTES

1. Shoreline detail derived from ordnance survey digital data using 1:2 500 and 1:10 000 client supplied chart
2. Seismic survey data acquired by GeoAcoustics boomer system
3. Sediment thickness has been derived from conversions of seismic travel times utilising an assumed acoustic velocity of 1675 m/s

SURVEY STATION INFORMATION

Primary Navigation RTK DGPS

Secondary Navigation DGPS

STATION COORDINATES

Primary Firths Hill
E: 445244.62
N: 1173343.27
Elevation: 117.500m

SCALE 1:2500

metres 0 25 50 75 100 125

COORDINATE SYSTEM

ELLIPSOID USED Airy 1830

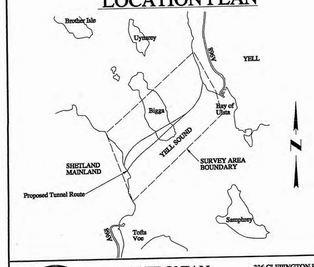
PROJECTION USED OSGB36

Longitude of Central Meridian :	-2
Latitude at origin of projection :	49
False Easting in metres :	400,000
False Northing in metres :	-100,000
Scale Factor at Central Meridian :	0.9996013
Convergence :	0.01221

CHART ORIGINS : Centre of chart

E: 444180 N: 1178150

LOCATION PLAN



CALEDONIAN GEOTECH LTD
Geological, Geotechnical, Geophysical, Hydrographic and Oceanographic Consultants

336 CLEPINGTON ROAD
DUNDEE DD3 8BZ

Telephone (01382) 826680
Facsimile (01382) 832338

Yell Sound
Geophysical Survey
Shetland Mainland to Bigga

Isopachyte of Overburden above Rockhead

Rev	Date	By	Revision
C			
B			
A			

CLIENT APPROVAL

Status	Stage	Name/Indicator	Signature	Date
Preliminary				
Provisional				
Final				

Survey date(s) 12th–18th May 2002	Survey Vessel RS Discovery Rose
Client Ref. No.	Ref. No. MM0209
Interpreted R. J. Sorapure	Drawn S. B. Cook
Checked R. J. Robinson	Date August 2002
Client Shetland Islands Council	Drawing No. MM0209/W3