



4.56

Heights relative to ORDENANCE DATUM.

Depth relative to CHART DATUM.

Sea-bed contour relative to CHART DATUM.

Mean High Water Springs

Mean Low Water Springs

SURVEY IS ROTATED TO GRID NORTH.

Survey Parameters & Equipment	
Survey Vessel:	Coastal Sensor (MCA Cot II)
Positioning System:	Trimble SPS 855 RTK GPS
GPS Correction Source:	Radio Corrections from Base Station
Echoscanner:	R2Sonic 2022 Multibeam System 400m
Motor Compensator:	SMC IMU 10B-30
Positioning System Sphered & Datum:	ETRS89
Grid System:	National Grid of Great Britain
Grid Model:	OSGM02
Transformation Parameters:	299.3246646000
Spheroid:	WGS84
Beam Major Axis:	6377563.396
Flattening (1/f):	299.3246646000
Vertical Datum (Topographic):	Ordnance Datum
Vertical Datum (Hydrographic):	Chart Datum
Distance Unit:	Metre

Chart Datum is 2.2m below Ordnance Datum.

The datum was established using corrected DG Riser data and post-processed using Trimble BaseStation Control Software.

Coloured Depth Bands:

Notes:

The Bathymetric survey limits are MHWS, data is relative to Chart Datum.

Topographic survey data is relative to Ordnance Datum and is taken from previous survey AS352 for presentation purposes.

Horizontal and vertical datum were referenced to control stations on the island.

Heights in metres above Chart Datum (Pierthead)				
MHWS	MHWN	MLWN	MLWS	
4.0	3.2	1.6		0.7

CONTROL STATION COORDINATES (OD)			
STN	EASTING	NORTHING	LEVEL
1	413743.288	846165.061	3.535

Aspect
Land + Hydrographic Surveys
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Project Title: MULTIBEAM BATHYMETRIC SURVEY
NORTH & SOUTH HARBOUR
PIETERHEAD

Project No.	Scale
A5450	1:500

Surveyed date	Issued date
8th January 2015	9th January 2015

Surveyed by	Checked by
EJS	CDT

Sheet No.	Plot Scale
2 of 2	1:1 @ A0