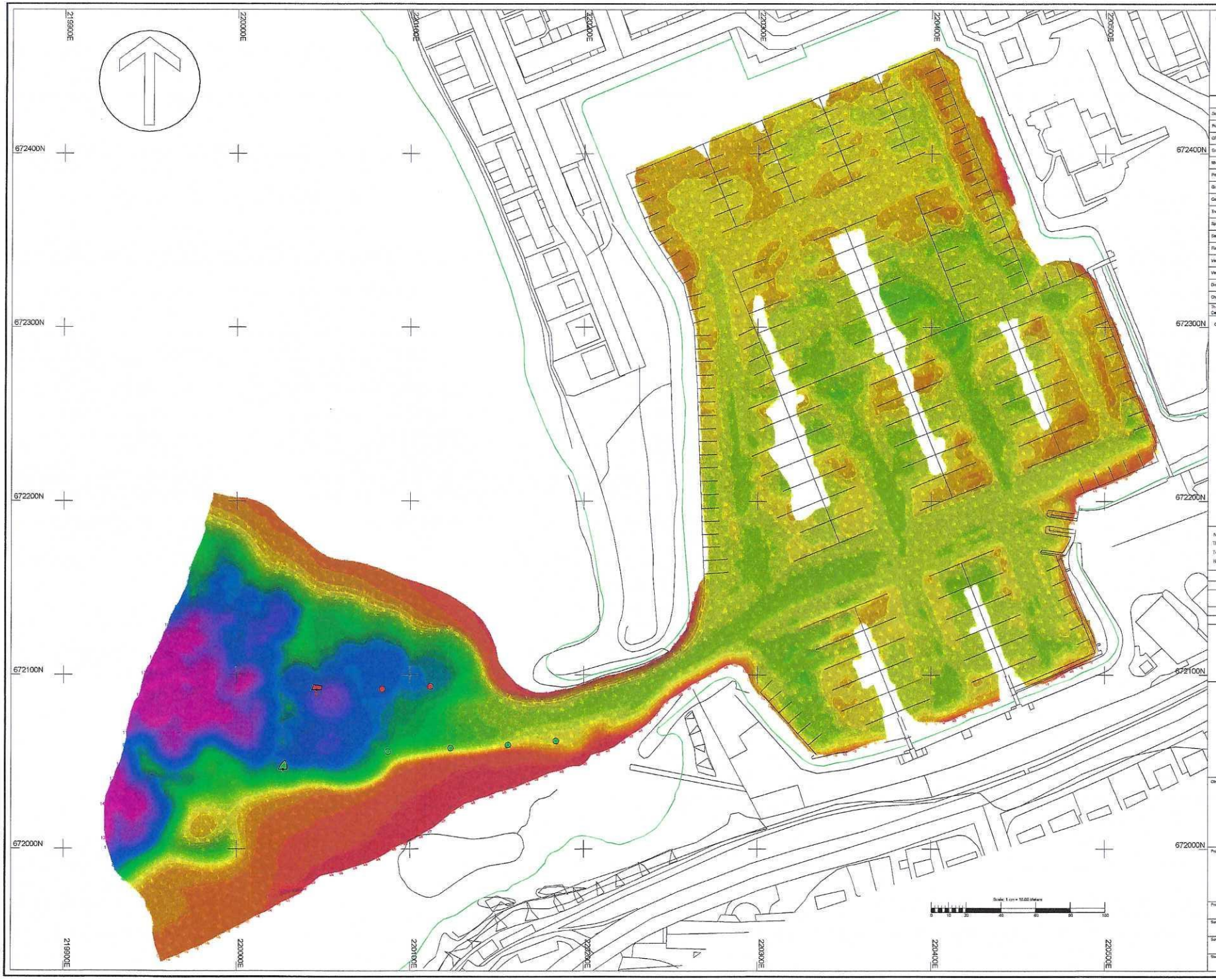

Legend

- Depths relative to CHART DATUM.
- Sea-bed contour relative to CHART DATUM.
- Mean High Water Springs
- Mean Low Water Springs

Survey Parameters & Equipment	
Survey Vessel:	Coastal Sensor II (MCA Cat III)
Positioning System:	Trimble Applanix POS MV
GPS Correction Source:	Corrections From Base Station
Echosounder:	R2Sonic 2022 MultiBeam System 400kHz
Motion Compensator:	Trimble Applanix POS MV
Positioning System Spheroid & Datum:	ETRS89
Grid System:	National Grid of Great Britain
Geoid Model:	OSGM15
Transformation Parameters:	OSTN15
Spheroid:	Airy
Semi Major Axis:	6377563.396
Flattening (1/f):	299.3249646000
Vertical Datum (Topographic):	–
Vertical Datum (Hydrographic):	Chart Datum
Distance Unit:	Metre

Chart Datum is 1.62m below Ordnance Datum.

The datum was established using corrected OS Rinex data and post-processed using Trimble Business Centre Software.

Coloured Depth Bands:

< 0.00
0.00 - 0.49
0.50 - 0.99
1.00 - 1.49
1.50 - 1.99
2.00 - 2.49
2.50 - 2.99
3.00 - 3.49
3.50 - 3.99
4.00 - 4.49
4.50 - 4.99
5.00 - 5.49
5.50 - 5.99
6.00 - 6.49
6.50 - 6.99
7.00 - 7.49
7.50 - 7.99
8.00 - 8.49
8.50 - 8.99
9.00 - 9.49
9.50 - 9.99
10.00 - 10.49
10.50 - 10.99
11.00 - 11.49
11.50 - 11.99
>= 12.00

Notes:

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

Topographic survey data is relative to Ordnance Datum.

Horizontal and vertical datums were referenced to control stations on site.

Heights in metres above Chart Datum (Wemyss Bay)

MHWS	MHWN	MLWN	MLWS
3.4	2.8	1.1	0.4

CONTROL STATION COORDINATES (CD)

STN	EASTING	NORTHING	LEVEL
Base	220541.387	672208.139	4.905

Aspect
Land + Hydrographic Surveys
CHARTERED SURVEYORS
Thornhouse Business Centre
Ballot Road
Irvine
KA12 0HW
Tel. 01294 313399 Fax : 01294 313389
E-mail: mail@aspectsurveys.com
Web: www.aspectsurveys.com

Client :

KIP MARINA
THE YACHT HARBOUR
INVERKIP
RENFREWSHIRE
PA16 0AW

Project Title :

MULTIBEAM BATHYMETRIC SURVEY
KIP MARINA
INVERKIP

Project No:	A7754	Scale :	1:1000
Surveyed date :	8th June 2021	Issued date :	15th June 2021
Surveyed by :	CKS	Checked by:	CDT
Sheet No. :	1 of 1	Plot Scale:	1:1 @ A1