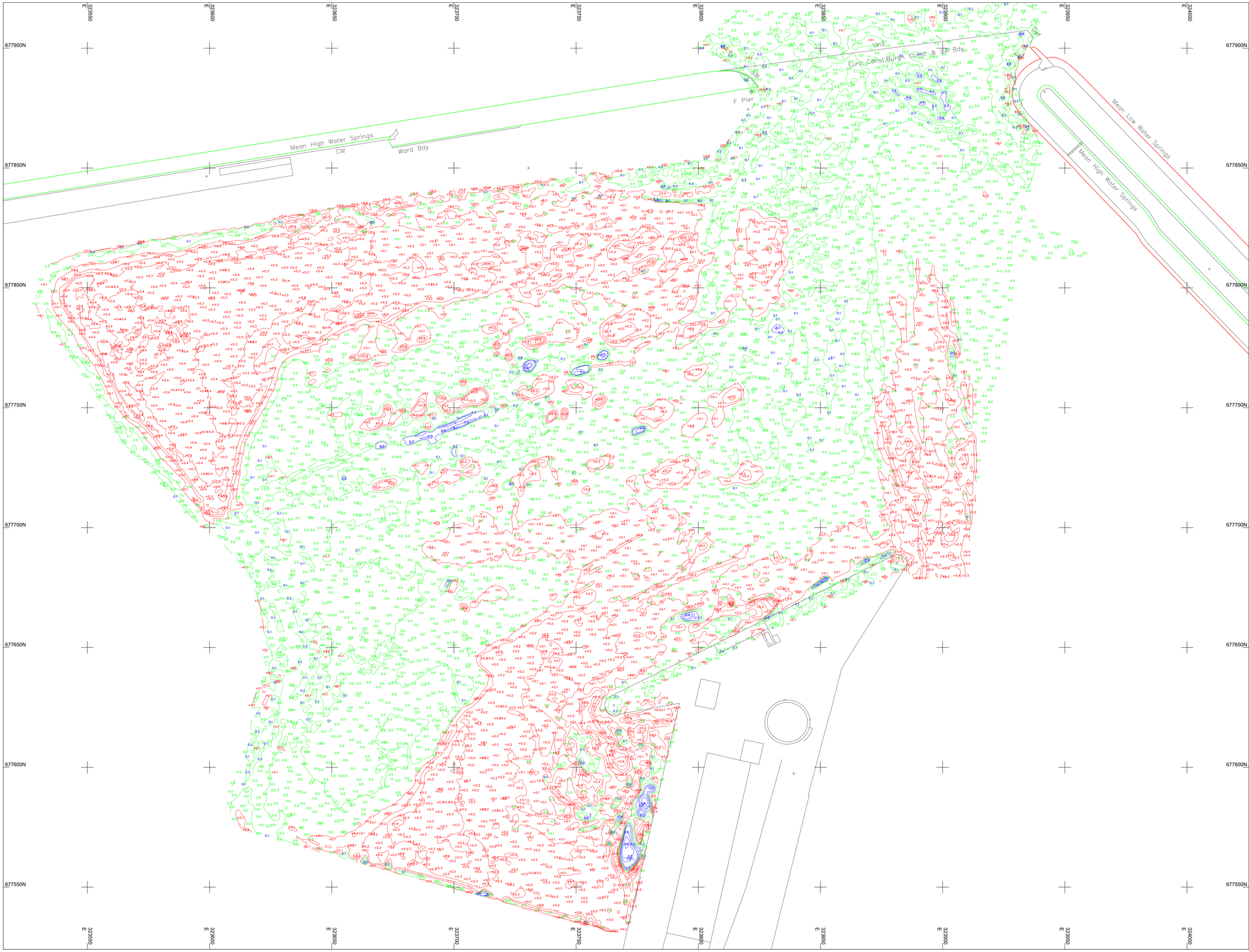
Annex Four to Licence Number MS-00009905

Chart showing the changes to sediment levels



Legend

+1.4	Levels Indicate Above Previous Survey
0.0	Levels Indicates No Change
0.2	Levels Indicate Below Previous Survey
	Isopachyte Contour

Scale: 1 : 500

0 5 10 20 30 40 50m

SURVEY IS ROTATED TO GRID NORTH.

Survey Parameters & Equipment

Survey Vessel:	Coastal Sensor II (MCA Cat III)
Positioning System:	Trimble Applanix POS MV
GPS Correction Source:	Trimble VRS NOW Network RTK
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):	299.324964600
Vertical Datum (Topographic):	–
Vertical Datum (Hydrographic):	Level Difference
Distance Unit:	Metre

Chart Datum is 2.90m below Ordnance Datum.

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

Coloured Depth Bands:

> +0.10

+0.10 – 0.10

< 0.10

Notes:

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

Heights in metres above Chart Datum (Leith)

MHWS	MHWN	MLWN	MLWS
5.6	4.4	2.0	0.8

CONTROL STATION COORDINATES (OD)

STN	EASTING	NORTHING	LEVEL

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 :

PIP ASSET MANAGEMENT LLP
39A WELBECK STREET
LONDON
W1G8DH

Project Title :

SEABED ISOPACHYTE DRAWING
COMPARISON BETWEEN 21/04/2022 & 09/09/2019
WESTERN HARBOUR
GRANTON

Project No: A8184	Scale : 1:500
Surveyed date : 21st April 2022	Issued date : 25th April 2022
Surveyed by : JAH	Checked by : CKS
Sheet No. : 1 of 1	Plot Scale: 1:1 @ A0