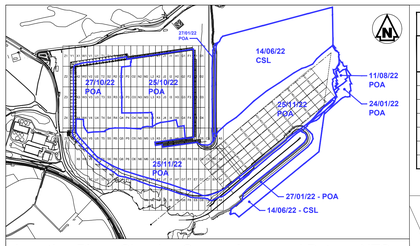

Location Plan - Showing Survey Areas and Dates - NTS

MULTIBEAM SURVEY REFERENCE LIST:		
SURVEY DATE (AS SHOWN ON LOCATION PLAN):	SURVEYED BY:	DEPTH BIAS OF SOUNDINGS:
24/01/22 - POA	PORT OF ABERDEEN (POA)	MINIMUM DEPTHS
27/01/22 - POA	PORT OF ABERDEEN (POA)	MINIMUM DEPTHS
14/06/22 - CSL	CLYDESIDE SURVEYS LTD (CSL)	MINIMUM DEPTHS
11/08/22 - POA	PORT OF ABERDEEN (POA)	MINIMUM DEPTHS
25/10/22 - POA	PORT OF ABERDEEN (POA)	MINIMUM DEPTHS
27/10/22 - POA	PORT OF ABERDEEN (POA)	MINIMUM DEPTHS
25/11/22 - POA	PORT OF ABERDEEN (POA)	MINIMUM DEPTHS

E:396972.1
002°03.100'W
E:396770.3
002°03.300'W
E:396366.7
002°03.700'W
E:396568.5
002°03.500'W
E:397173.9
002°02.906'W
E:397375.7
002°02.700'W
E:397577.5
002°02.500'W
E:397779.3
002°02.300'W

NORTH QUAY (CASTLEGATE QUAY)
WEST QUAY (BALMORAL QUAY)
EAST QUAY (DUNOTTAR QUAY)
NORTH BREAKWATER (GIRDLE NESS)
SOUTH BREAKWATER (GREG NESS)
SOUTH EASTERN (CRATHES QUAY)
Inner Basin
Entrance Basin
Outer Basin

C1 C2 C3 C4 C5 C6 D6 D7 F8 F9 F10 F11 F12 F13 F14 G16 H15 J21 N22 L18 M17 J20 J19

NA01 N:805086.1 57°08.200'N
N:804900.9 57°08.100'N
N:804715.7 57°08.000'N
N:804530.5 57°07.900'N
N:804345.3 57°07.800'N
NA12
NA10
NA08
NA06

LEADING LIGHTS (CENTRELINE)
FRONT LEADING LIGHT (NA101)
REAR LEADING LIGHT (NA102)

LEGEND - MULTIBEAM SURVEY DEPTHS RELATIVE TO ADMIRALTY CHART DATUM 1975 (A.C.D. 1975):-

- <-2.1m (ABOVE A.C.D. 1975)
- -1.1m TO 2.0m (ABOVE A.C.D. 1975)
- -0.1m TO -1.0m (ABOVE A.C.D. 1975)
- 0.0m TO 0.9m (BELOW A.C.D. 1975)
- 1.0m TO 1.9m (BELOW A.C.D. 1975)
- 2.0m TO 2.9m (BELOW A.C.D. 1975)
- 3.0m TO 3.9m (BELOW A.C.D. 1975)
- 4.0m TO 4.9m (BELOW A.C.D. 1975)
- 5.0m TO 5.9m (BELOW A.C.D. 1975)
- 6.0m TO 6.9m (BELOW A.C.D. 1975)
- 7.0m TO 7.9m (BELOW A.C.D. 1975)
- 8.0m TO 8.9m (BELOW A.C.D. 1975)
- 9.0m TO 9.9m (BELOW A.C.D. 1975)
- 10.0m TO 10.9m (BELOW A.C.D. 1975)
- 11.0m TO 11.9m (BELOW A.C.D. 1975)
- >12.0m (BELOW A.C.D. 1975)

POA - SURVEY PARAMETERS & EQUIPMENT:	
SURVEY VESSEL:	SEA HERALD
POSITIONING SYSTEM:	APPLANIX POS-MV (INS30) RTK-GPS AIDED INTERTIAL NAVIGATION SYSTEM
GPS CORRECTION SOURCE:	TRIMBLE SPS852 BASE STATION AT THE MARINE OPERATIONS CENTRE. BASE STATION COORDINATES:- EASTING = 395951.9269 NORTHING = 805774.9405
ECHOSOUNDER:	TELEDYNE MARINE SEABAT T50-R MULTIBEAM SYSTEM - 400kHz
TIDE CORRECTIONS:	RTK TIDE
GRID SYSTEM:	NATIONAL GRID OF GREAT BRITAIN
GEOID MODEL:	OSGM15
TRANSFORMATION PARAMETERS:	OSTN15
ELLIPSOID:	AIRY
SEMI-MAJOR AXIS:	6377563.396
FLATTENING (1/F):	299.3249646
VERTICAL DATUM:	ADMIRALTY CHART DATUM 1975 (A.C.D. 1975) (2.25m BELOW ORDNANCE DATUM NEWLYN)
DISTANCE UNIT:	METRE
DATA ACQUISITION & PROCESSING SOFTWARE:	HYPACK 2018 & 2020

NOTES:-

1. ALL SOUNDINGS SHOWN BELOW ADMIRALTY CHART DATUM 1975 UNLESS SHOWN AS NEGATIVE. NEGATIVE SOUNDINGS SHOWN ARE ABOVE ADMIRALTY CHART DATUM 1975.
2. ALL SOUNDINGS SHOWN ARE BASED ON AN AMALGAMATION OF POA AND CLYDESIDE SURVEYS LTD. SURVEY DATA BASED ON MINIMUM DEPTHS, REFER TO MULTIBEAM SURVEY REFERENCE LIST FOR FURTHER INFO., AND SORTED TO 10m (MINIMUM RADIUS) AT ACTUAL X,Y POSITION WHERE POSSIBLE BY POA.
3. ALL SOUNDINGS SHOWN DERIVED FROM THE FOLLOWING SURVEY DATA FILE:-
   "20221125 POA Min Depths_20220614 CSL Min Depths - 0.5m sort - 2m offset trim.xyz'

AS-INSTALLED ORIGINAL NAVIGATION BUOY CO-ORDINATES AS SURVEYED BY POA ON 20/05/2022					CHECK ON NAVIGATION BUOY CO-ORDINATES AS SURVEYED BY POA ON 25/11/2022			
NAVIGATION BUOY REFERENCE	UK NATIONAL GRID CO-ORDINATES:		WGS-84 CO-ORDINATES:		UK NATIONAL GRID CO-ORDINATES:		WGS-84 CO-ORDINATES:	
	EASTING:	NORTHING:	LATITUDE:	LONGITUDE:	EASTING:	NORTHING:	LATITUDE:	LONGITUDE:
NA01	397649.99	804946.15	57°08.12416'N	002°02.428121'W	MISSING	MISSING	MISSING	MISSING
NA06	397101.92	804350.61	57°07.802979'N	002°02.970974'W	397103.44	804351.57	57°07.803497'N	002°02.969468'W
NA08	396940.44	804398.33	57°07.828633'N	002°03.131052'W	396941.05	804401.81	57°07.830509'N	002°03.130450'W
NA10	396772.14	804446.88	57°07.854728'N	002°03.297895'W	396772.85	804447.24	57°07.854922'N	002°03.297192'W
NA12	396650.98	804511.02	57°07.889244'N	002°03.418034'W	396650.64	804510.97	57°07.889217'N	002°03.418371'W

LEGEND:-

- / - DENOTES AS-INSTALLED NAVIGATION BUOY LOCATION AS SURVEYED BY POA ON 20/05/22. (REFS: NA01, NA06, NA08, NA10 AND NA12)
- DENOTES NOTIONAL LINE BETWEEN NAVIGATION BUOYS
- **E:396600, N:804400** - DENOTES UK NATIONAL GRID CO-ORDINATES IN METRES
- **57°07.829'N, 002°03.469'W** - DENOTES WGS-84 LAT/LONG CO-ORDINATES

0m 25m 50m 75m 100m 150m 200m 250m
SCALE 1:1250 (METRES)

Rev:	Date:	Revision:	By:

PORT OF ABERDEEN EST.1136

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Title: AHEP 2022 - Aberdeen South Harbour Chart

Multibeam Surveys carried out by POA and Clydeside Surveys Ltd (CSL):-
POA Survey - Latest Date: 25/11/22 - Soundings Based on Minimum Depths sorted to 10m
CSL Survey - Latest Date: 14/06/22 - Soundings Based on Minimum Depths sorted to 10m
(Refer to Location Plan for Survey Boundaries, Dates and Depth Bias)

Date:	Designed by:	Drawing Number:
30/11/22	Drawn by: S. Buchan	20221125-02
Scale(s): 1:1250 (A0)	Checked by:	
	Approved by:	