

CORK HARBOUR AND ENVIRONS

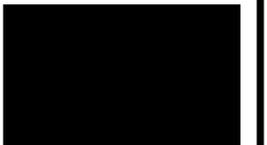
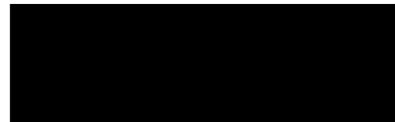
MARINE USAGE LICENCE APPLICATION

LICENCE MAPS

OCTOBER 2024



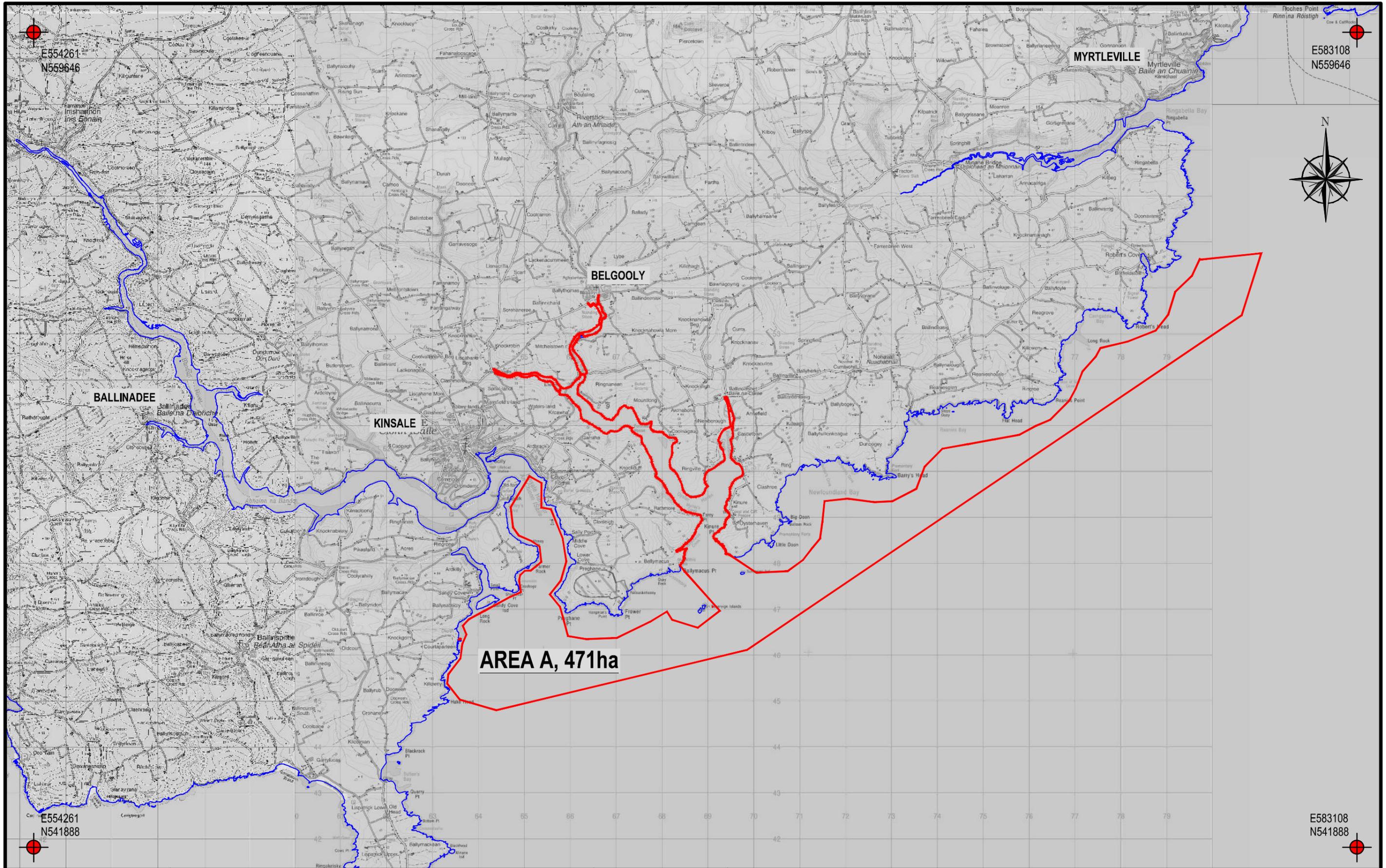
UISCE ÉIREANN



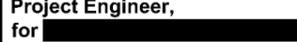
CORK HARBOUR AND ENVIRONS - MARINE USAGE LICENCE APPLICATION

LICENCE MAPS - DRAWING LIST - CONTENTS

<u>DRAWING No.</u>	<u>DRAWING TITLE</u>
20952-FL-WC-100	OVERALL SITE LOCATION MAP - WEST CORK
20952-FL-WC-101	LICENCE MAP A
20952-FL-WC-102	SITE LAYOUT MAP A
20952-FL-WC-103	LICENCE MAP B
20952-FL-WC-104	SITE LAYOUT MAP B
20952-FL-WC-105	LICENCE MAP C
20952-FL-WC-106	SITE LAYOUT MAP C
20952-FL-WC-107	LICENCE MAP D
20952-FL-WC-108	SITE LAYOUT MAP D
20952-FL-WC-109	LICENCE MAP E
20952-FL-WC-110	SITE LAYOUT MAP E
20952-FL-WC-111	LICENCE MAP F
20952-FL-WC-112	SITE LAYOUT MAP F
20952-FL-WC-113	PLAN AND ELEVATION OF STRUCTURE



APPROVED BY:

 Project Engineer,
 for 

LEGEND
 MARITIME AREA USAGE LICENCE AREA 
 ITM GRID COORDINATE INTERSECT 
 HIGH WATER MARK (HWM) 

GEODEIC PARAMETERS :
 Datum : IRENET95
 Projection : TRANSVERSE MERCATOR
 Ellipsoide : GRS 1980
 Prime Meridian : GREENWICH
 Unit : METER
 ESPG : 2157

PROJECT TITLE
UISCE ÉIREANN VMADCP SURVEYS

REV	DATE	DESCRIPTION	D	C	A
1	24.10.24	GENERAL REVISIONS	DS	RC	CD



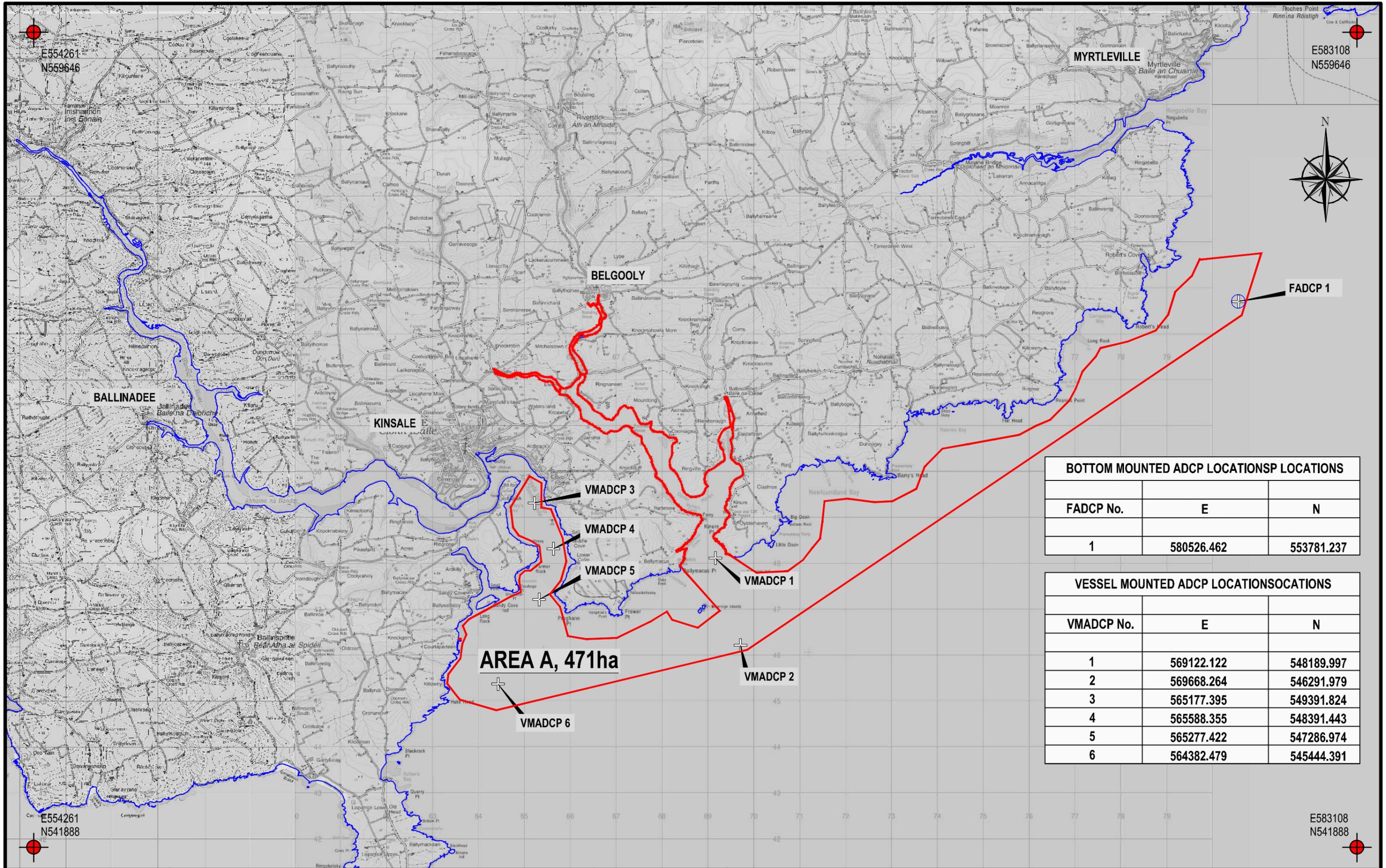

TITLE
 LICENCE MAP A
 REF: LIC230015

COPYRIGHT RESERVED - THIS DRAWING IS NOT TO BE USED FOR A PURPOSE OTHER THAN THAT FOR WHICH IT HAS BEEN ISSUED BY NICHOLAS O'DWYER LTD. NOR IS IT TO BE COPIED OR REPRODUCED IN ANY MANNER WITHOUT WRITTEN CONSENT.

SCALES
 1 : 75,000

DRAWING NO. 20952-FL-WC-101

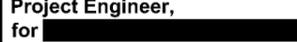
REV 1



BOTTOM MOUNTED ADCP LOCATIONS		
FADCP No.	E	N
1	580526.462	553781.237

VESSEL MOUNTED ADCP LOCATIONS		
VMADCP No.	E	N
1	569122.122	548189.997
2	569668.264	546291.979
3	565177.395	549391.824
4	565588.355	548391.443
5	565277.422	547286.974
6	564382.479	545444.391

APPROVED BY:

 ISC PHD, MCIWEM C.WEM
Project Engineer,
 for 

LEGEND

- MARITIME AREA USAGE LICENCE AREA 
- ITM GRID COORDINATE INTERSECT 
- HIGH WATER MARK (HWM) 
- INDICATIVE VESSEL BASED VMADCP SURVEY LOCATIONS 
- INDICATIVE BOTTOM MOUNTED VMADCP SURVEY LOCATIONS 
- INDICATIVE VESSEL BASED CTD SURVEY LOCATIONS 
- VMADCP AND CTD LOCATIONS SHOWN ARE INDICATIVE ONLY AND ACTUAL VMADCP AND CTD LOCATIONS MAY VARY FROM THOSE SHOWN

GEODEIC PARAMETERS :
 Datum : IRENET95
 Projection : TRANSVERSE MERCATOR
 Ellipsoide : GRS 1980
 Prime Meridian : GREENWICH
 Unit : METER
 ESPG : 2157

PROJECT TITLE
UISCE ÉIREANN VMADCP SURVEYS

REV	DATE	DESCRIPTION	DS	RC	CD
1	24.10.24	GENERAL REVISIONS			


NICHOLAS O'DWYER

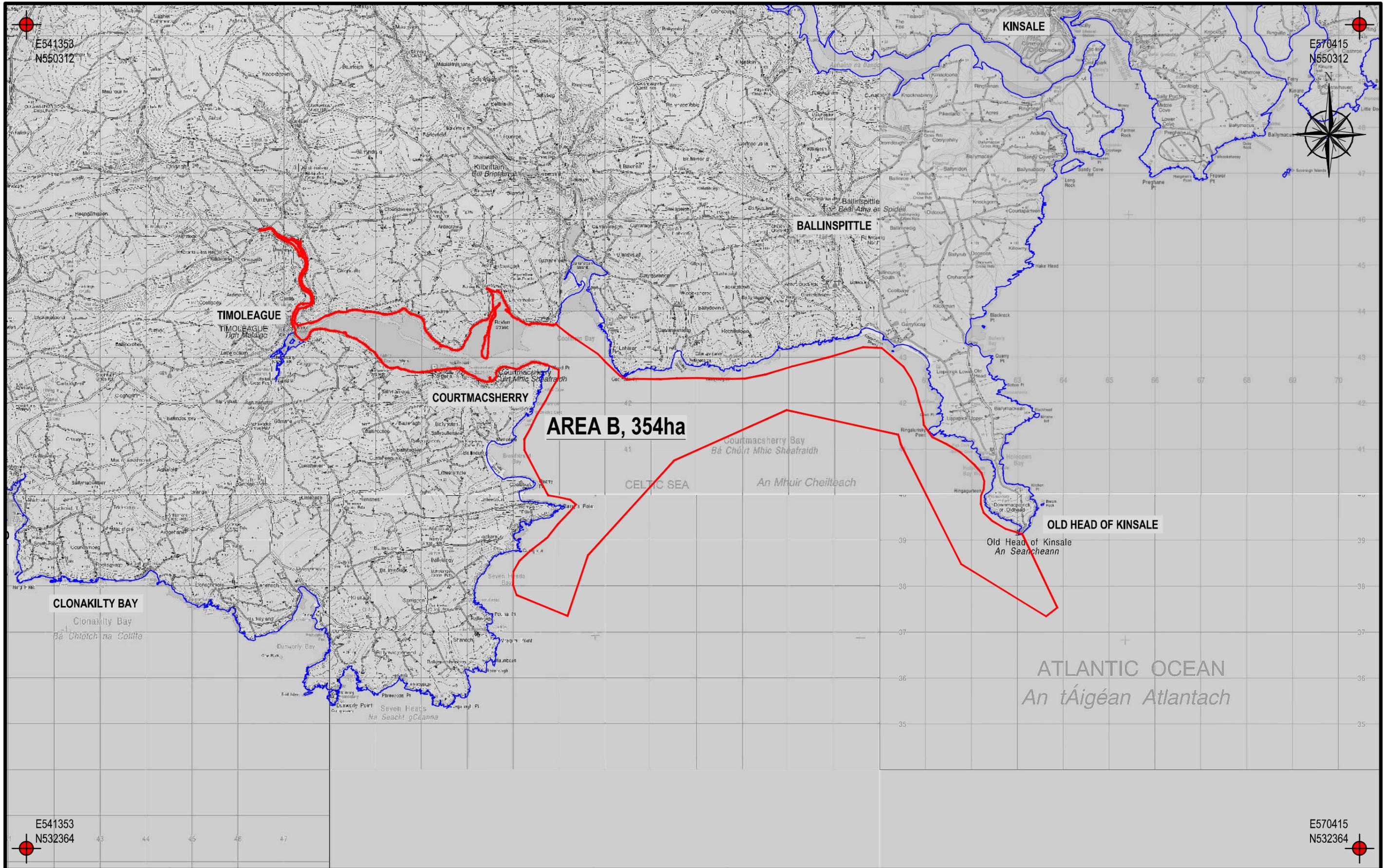

Uisce Éireann

TITLE
 SITE LAYOUT MAP A
 REF: LIC230015

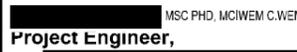
COPYRIGHT RESERVED - THIS DRAWING IS NOT TO BE USED FOR A PURPOSE OTHER THAN THAT FOR WHICH IT HAS BEEN ISSUED BY NICHOLAS O'DWYER LTD. NOR IS IT TO BE COPIED OR REPRODUCED IN ANY MANNER WITHOUT WRITTEN CONSENT.

SCALE: 1 : 75,000
 18.05.2024 | 18.05.2024 | 18.06.2024

DRAWING NO: 20952-FL-WC-102
 REV: 1



AREA B, 354ha

APPROVED BY:

 MSC PHD, MCIWEM C.WEM
Project Engineer,
 for 

LEGEND
 MARITIME AREA USAGE LICENCE AREA 
 ITM GRID COORDINATE INTERSECT 
 HIGH WATER MARK (HWM) 

GEODEIC PARAMETERS :
 Datum : IRENET95
 Projection : TRANSVERSE MERCATOR
 Ellipsoide : GRS 1980
 Prime Meridian : GREENWICH
 Unit : METER
 ESPG : 2157

PROJECT TITLE
UISCE ÉIREANN VMADCP SURVEYS

REV	DATE	DESCRIPTION	D	C	A
1	24.10.24	GENERAL REVISIONS	DS	RC	CD



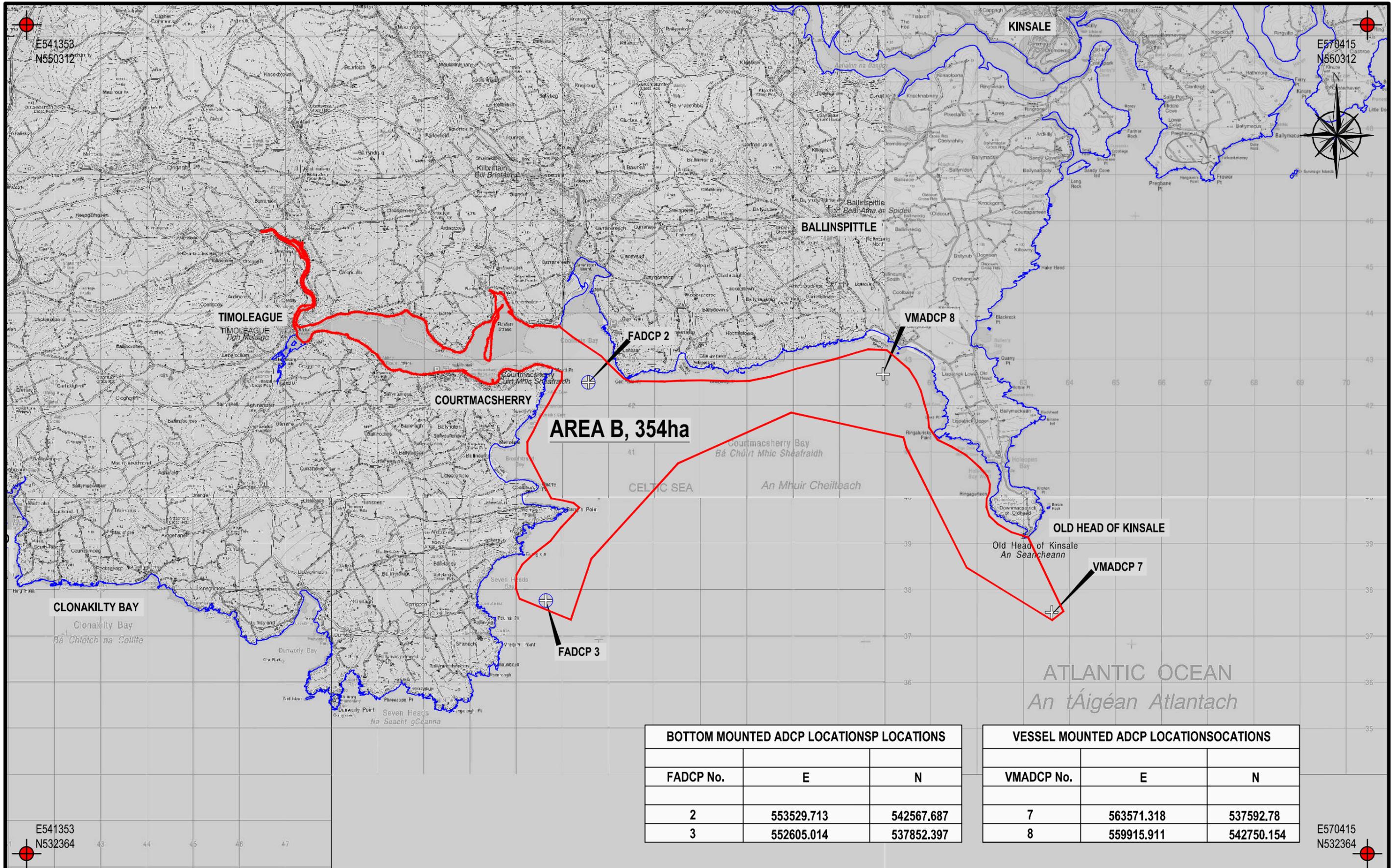
LICENCE MAP B
 REF: LIC230015

COPYRIGHT RESERVED - THIS DRAWING IS NOT TO BE USED FOR A PURPOSE OTHER THAN THAT FOR WHICH IT HAS BEEN ISSUED BY NICHOLAS O'DWYER LTD. NOR IS IT TO BE COPIED OR REPRODUCED IN ANY MANNER WITHOUT WRITTEN CONSENT.

SCALES
 1 : 75,000

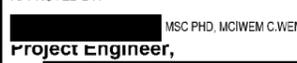
DRAWING NO. **20952-FL-WC-103**

REV 1



BOTTOM MOUNTED ADCP LOCATIONS		
FADCP No.	E	N
2	553529.713	542567.687
3	552605.014	537852.397

VESSEL MOUNTED ADCP LOCATIONS		
VMADCP No.	E	N
7	563571.318	537592.78
8	559915.911	542750.154

APPROVED BY:

 MSC PHD, MCIWEM C.WEM
Project Engineer,
 for 

LEGEND

- MARITIME AREA USAGE LICENCE AREA 
- ITM GRID COORDINATE INTERSECT 
- HIGH WATER MARK (HWM) 
- INDICATIVE VESSEL BASED VMADCP SURVEY LOCATIONS 
- INDICATIVE BOTTOM MOUNTED VMADCP SURVEY LOCATIONS 
- INDICATIVE VESSEL BASED CTD SURVEY LOCATIONS 
- VMADCP AND CTD LOCATIONS SHOWN ARE INDICATIVE ONLY AND ACTUAL VMADCP AND CTD LOCATIONS MAY VARY FROM THOSE SHOWN

GEODEIC PARAMETERS :
 Datum : IRENET95
 Projection : TRANSVERSE MERCATOR
 Ellipsoide : GRS 1980
 Prime Meridian : GREENWICH
 Unit : METER
 ESPG : 2157

PROJECT TITLE
UISCE ÉIREANN VMADCP SURVEYS

REV	DATE	DESCRIPTION	D	C	A
1	24.10.24	GENERAL REVISIONS			

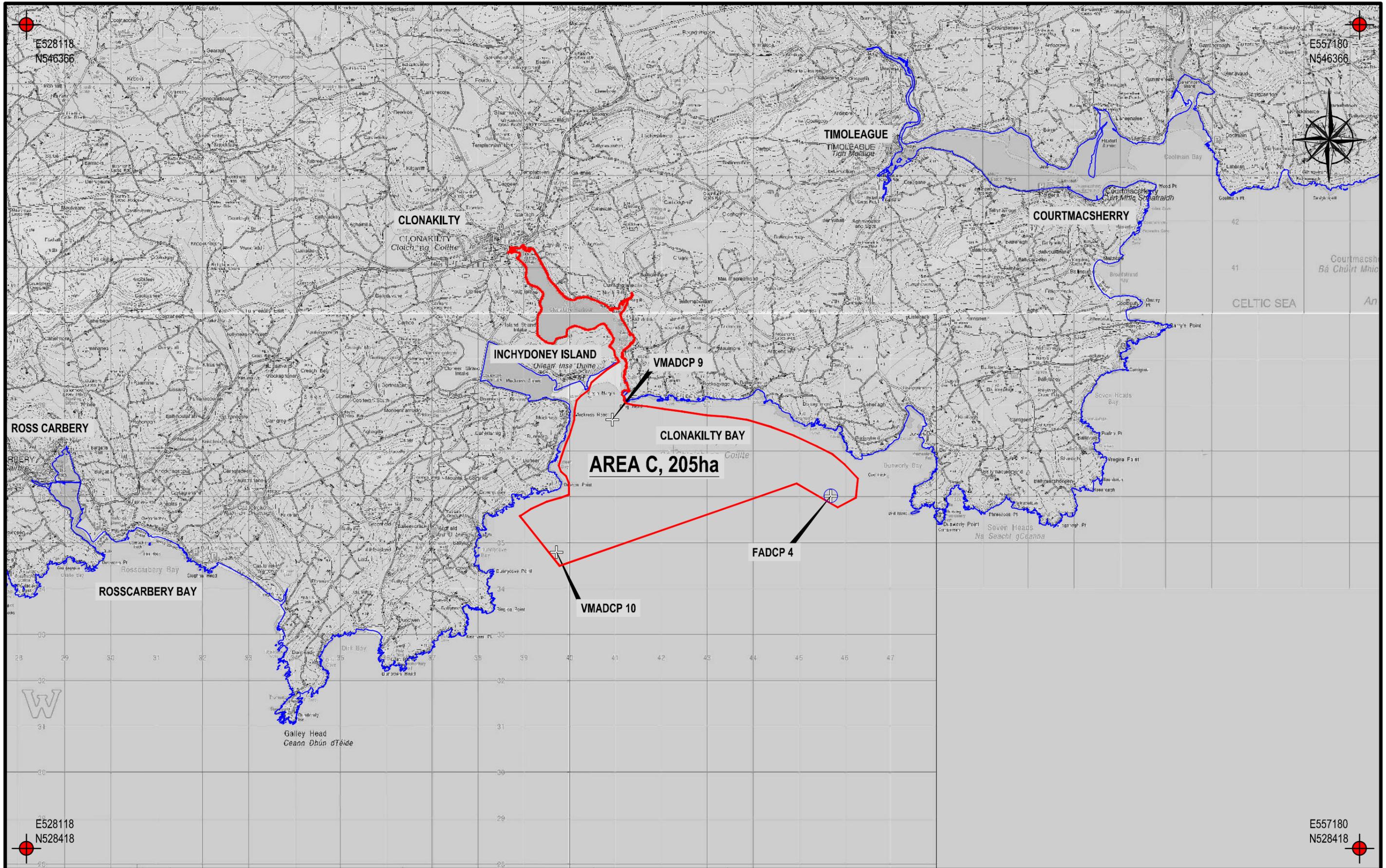
NICHOLAS O'DWYER

UISCE ÉIREANN
 Irish Water

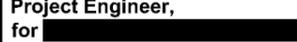
TITLE
 SITE LAYOUT MAP B
 REF: LIC230015

COPYRIGHT RESERVED - THIS DRAWING IS NOT TO BE USED FOR A PURPOSE OTHER THAN THAT FOR WHICH IT HAS BEEN ISSUED BY NICHOLAS O'DWYER LTD. NOR IS IT TO BE COPIED OR REPRODUCED IN ANY MANNER WITHOUT WRITTEN CONSENT.

SCALE: 1 : 75,000
 DATE: 18.05.2024
 DRAWING NO.: 20952-FL-WC-104
 REV: 1



APPROVED BY:

 Project Engineer,
 for 

LEGEND

MARITIME AREA USAGE LICENCE AREA 

ITM GRID COORDINATE INTERSECT 

HIGH WATER MARK (HWM) 

GEODETTIC PARAMETERS :
 Datum : IRENET95
 Projection : TRANSVERSE MERCATOR
 Elipsoide : GRS 1980
 Prime Meridian : GREENWICH
 Unit : METER
 ESPG : 2157

PROJECT TITLE
UISCE ÉIREANN VMADCP SURVEYS

REV	DATE	DESCRIPTION	D	RC	CD
1	24.10.24	GENERAL REVISIONS			


NICHOLAS O'DWYER


Uisce Éireann

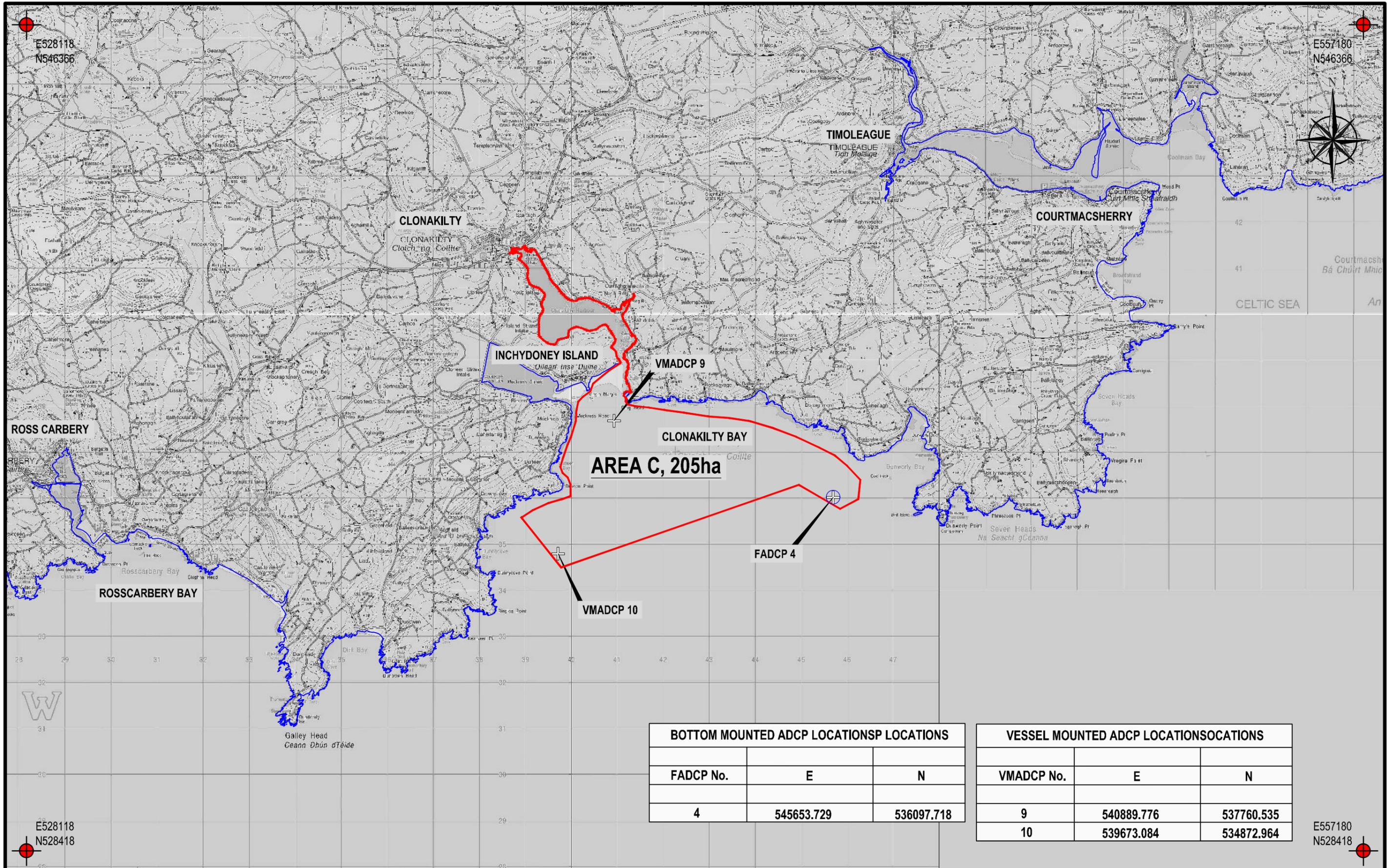
LICENCE MAP C
 REF: LIC 230015

COPYRIGHT RESERVED - THIS DRAWING IS NOT TO BE USED FOR A PURPOSE OTHER THAN THAT FOR WHICH IT HAS BEEN ISSUED BY NICHOLAS O'DWYER LTD. NOR IS IT TO BE COPIED OR REPRODUCED IN ANY MANNER WITHOUT WRITTEN CONSENT.

SCALES
 1 : 75,000

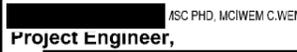
DRAWING NO:
20952-FL-WC-105

REV
 1



BOTTOM MOUNTED ADCP LOCATIONS		
FADCP No.	E	N
4	545653.729	536097.718

VESSEL MOUNTED ADCP LOCATIONS		
VMADCP No.	E	N
9	540889.776	537760.535
10	539673.084	534872.964

APPROVED BY:

 Project Engineer,
 for 

LEGEND
 MARITIME AREA USAGE LICENCE AREA 
 ITM GRID COORDINATE INTERSECT 
 HIGH WATER MARK (HWM) 

INDICATIVE VESSEL BASED VMADCP SURVEY LOCATIONS 
 INDICATIVE BOTTOM MOUNTED VMADCP SURVEY LOCATIONS 
 INDICATIVE VESSEL BASED CTD SURVEY LOCATIONS 
 VMADCP AND CTD LOCATIONS SHOWN ARE INDICATIVE ONLY AND ACTUAL VMADCP AND CTD LOCATIONS MAY VARY FROM THOSE SHOWN

GEODEIC PARAMETERS :
 Datum : IRENET95
 Projection : TRANSVERSE MERCATOR
 Ellipsoide : GRS 1980
 Prime Meridian : GREENWICH
 Unit : METER
 ESPG : 2157

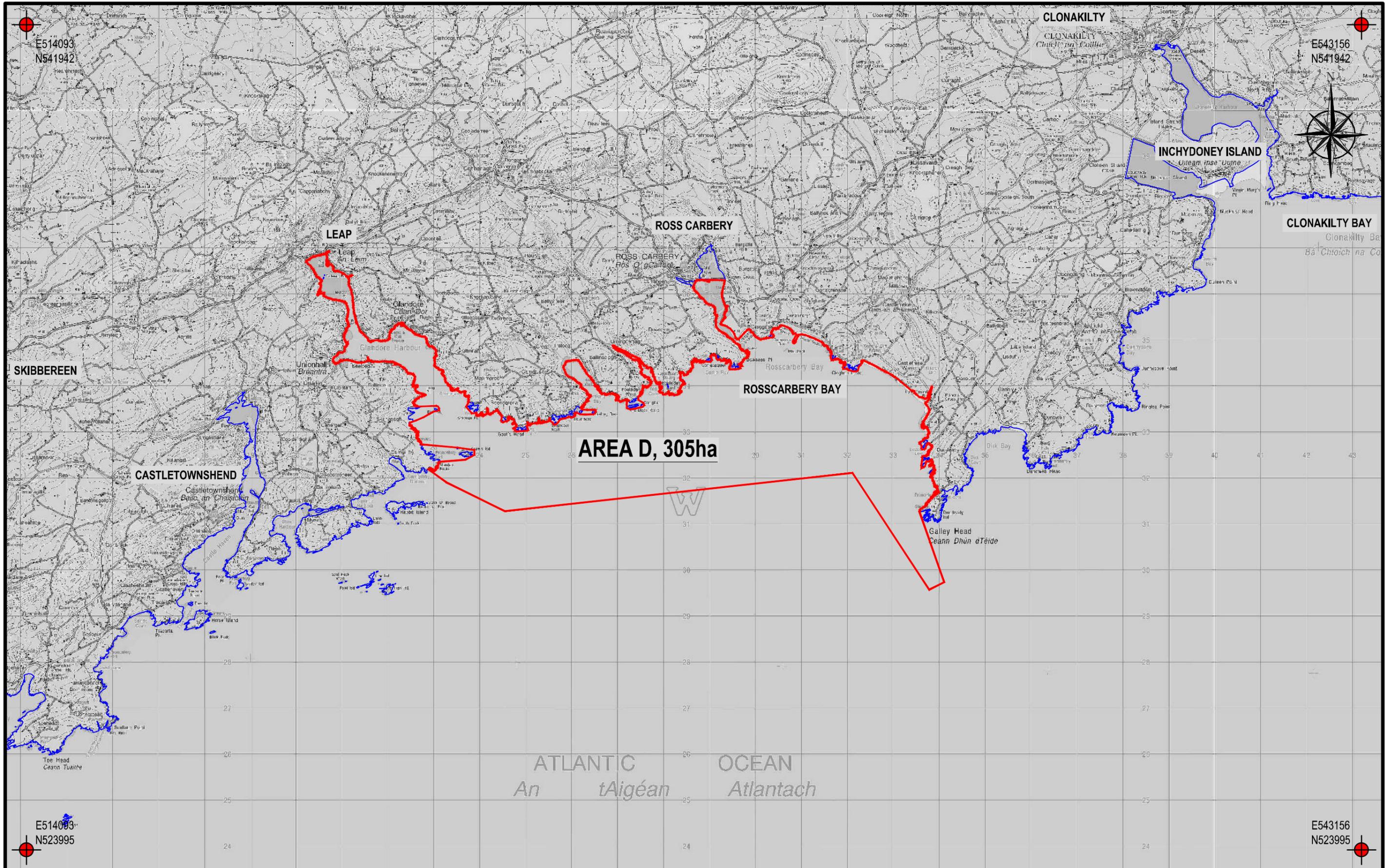
PROJECT TITLE
UISCE ÉIREANN VMADCP SURVEYS

REV	DATE	DESCRIPTION	D	C	A
1	24.10.24	GENERAL REVISIONS	DS	RC	CD

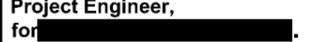



TITLE
SITE LAYOUT MAP C
 REF: LIC 230015

COPYRIGHT RESERVED - THIS DRAWING IS NOT TO BE USED FOR A PURPOSE OTHER THAN THAT FOR WHICH IT HAS BEEN ISSUED BY NICHOLAS O'DWYER LTD. NOR IS IT TO BE COPIED OR REPRODUCED IN ANY MANNER WITHOUT WRITTEN CONSENT.
 SCALE: 1 : 75,000
 18.05.2024 | 18.05.2024 | 18.06.2024
 DRAWING NO: 20952-FL-WC-106
 REV: 1



APPROVED BY:

 SC PHD, MCIWEM C.WEM
Project Engineer,
 for 

LEGEND
 MARITIME AREA USAGE LICENCE AREA 
 ITM GRID COORDINATE INTERSECT 
 HIGH WATER MARK (HWM) 



GEODETTIC PARAMETERS :
 Datum : IRENET95
 Projection : TRANSVERSE MERCATOR
 Ellipsoide : GRS 1980
 Prime Meridian : GREENWICH
 Unit : METER
 ESPG : 2157

PROJECT TITLE
UISCE ÉIREANN VMADCP SURVEYS

REV	DATE	DESCRIPTION	D	C	A
1	24.10.24	GENERAL REVISIONS	DS	RC	CD



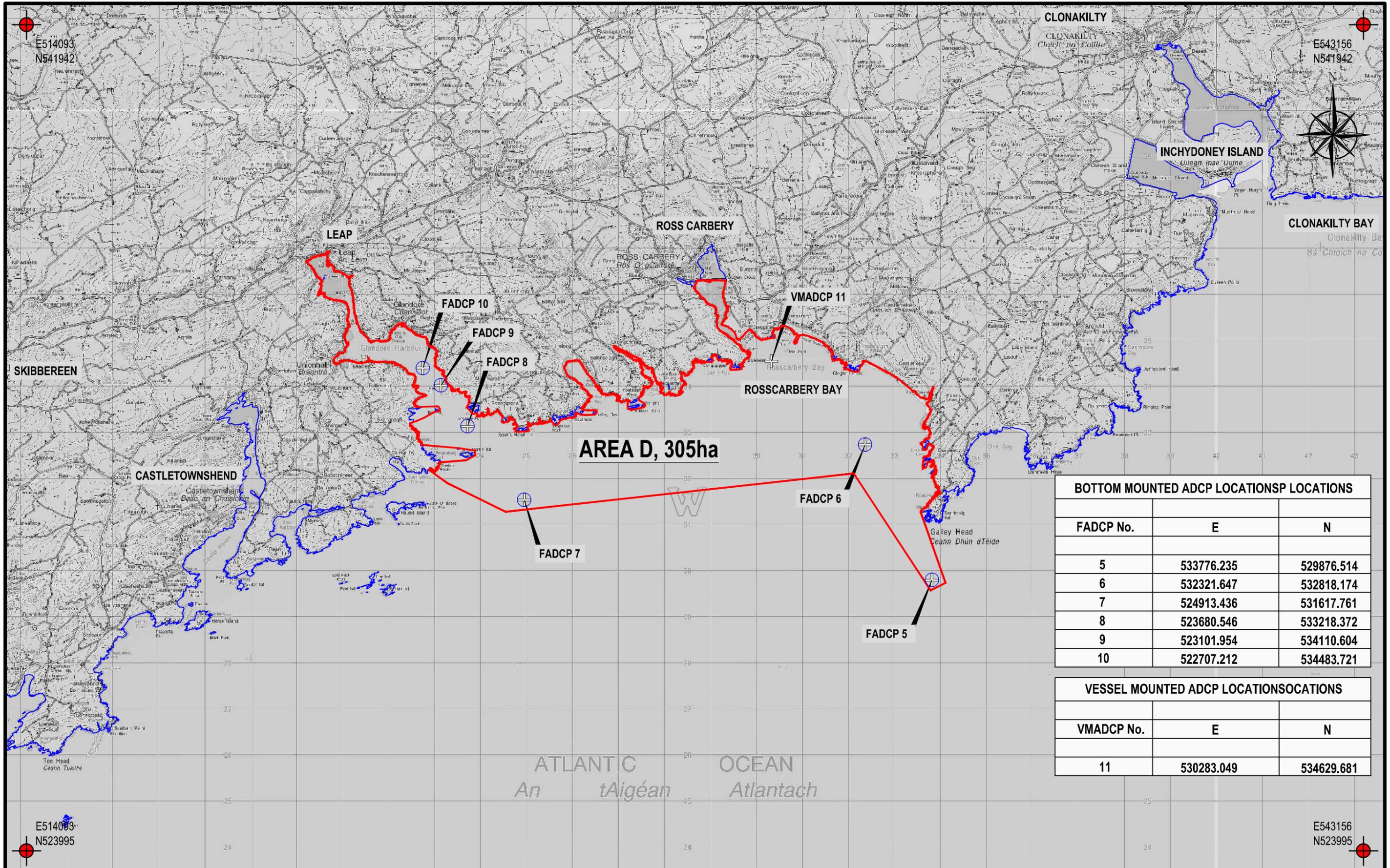
TITLE
 LICENCE MAP D
 REF: LIC 230015

COPYRIGHT RESERVED - THIS DRAWING IS NOT TO BE USED FOR A PURPOSE OTHER THAN THAT FOR WHICH IT HAS BEEN ISSUED BY NICHOLAS O'DWYER LTD. NOR IS IT TO BE COPIED OR REPRODUCED IN ANY MANNER WITHOUT WRITTEN CONSENT.

SCALE	DATE	DATE	DATE
1 : 75,000	18.05.2024	18.05.2024	18.06.2024

DRAWING NO:
20952-FL-WC-107

REV
1



BOTTOM MOUNTED ADCP LOCATIONS		
FADCP No.	E	N
5	533776.235	529876.514
6	532321.647	532818.174
7	524913.436	531617.761
8	523680.546	533218.372
9	523101.954	534110.604
10	522707.212	534483.721

VESSEL MOUNTED ADCP LOCATIONS		
VMADCP No.	E	N
11	530283.049	534629.681

APPROVED BY:

Project Engineer,
 for

LEGEND

- MARITIME AREA USAGE LICENCE AREA
- ITM GRID COORDINATE INTERSECT
- HIGH WATER MARK (HWM)

INDICATIVE VESSEL BASED VMADCP SURVEY LOCATIONS

INDICATIVE BOTTOM MOUNTED VMADCP SURVEY LOCATIONS

INDICATIVE VESSEL BASED CTD SURVEY LOCATIONS

VMADCP AND CTD LOCATIONS SHOWN ARE INDICATIVE ONLY AND ACTUAL VMADCP AND CTD LOCATIONS MAY VARY FROM THOSE SHOWN

GEODEIC PARAMETERS :
 Datum : IRENET95
 Projection : TRANSVERSE MERCATOR
 Ellipsoide : GRS 1980
 Prime Meridian : GREENWICH
 Unit : METER
 ESPG : 2157

PROJECT TITLE
UISCE ÉIREANN VMADCP SURVEYS

REV	DATE	DESCRIPTION	DS	RC	CD
1	24.10.24	GENERAL REVISIONS			

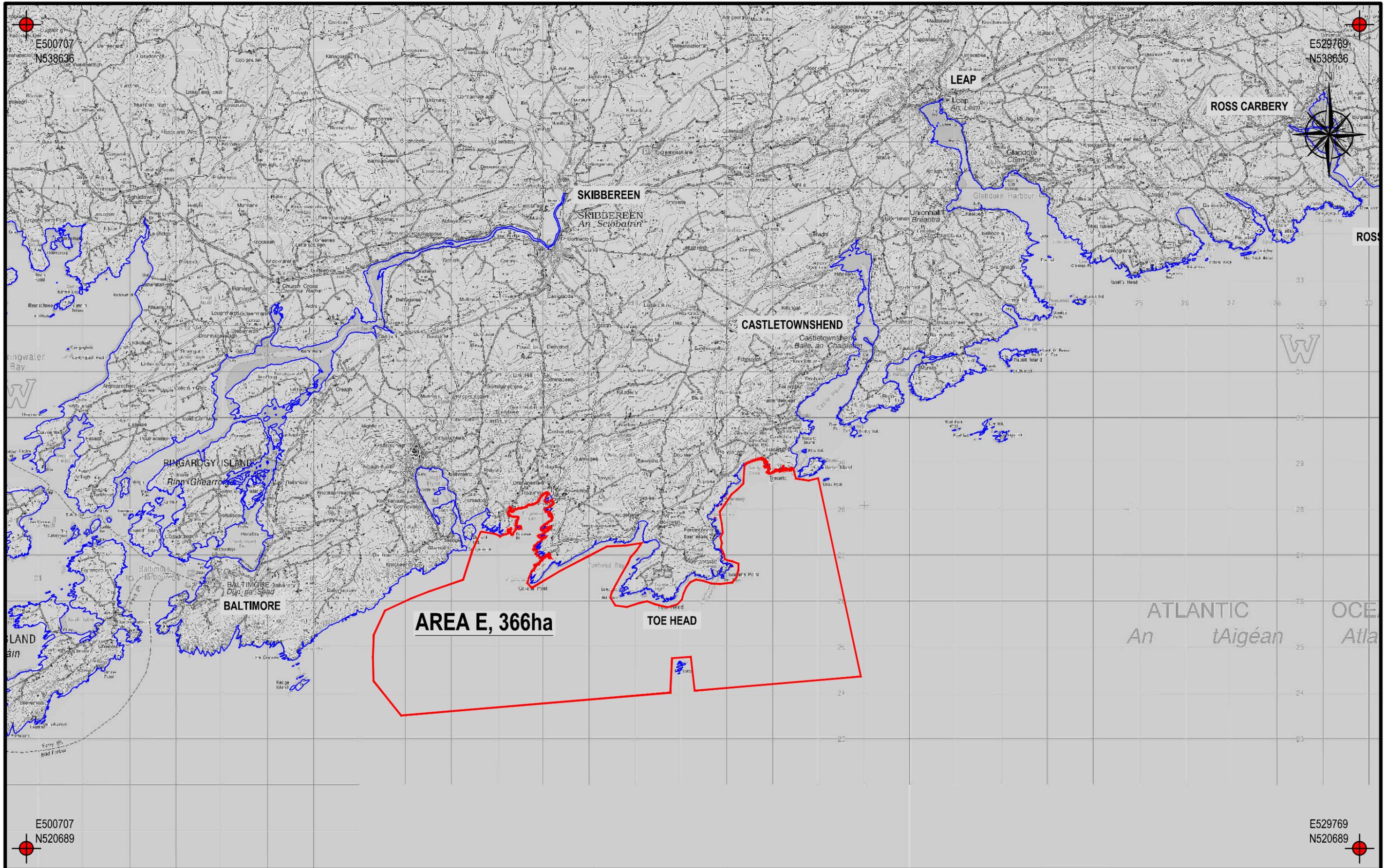


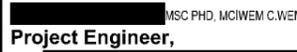
TITLE
SITE LAYOUT MAP D
 REF: LIC 230015

COPYRIGHT RESERVED - THIS DRAWING IS NOT TO BE USED FOR A PURPOSE OTHER THAN THAT FOR WHICH IT HAS BEEN ISSUED BY NICHOLAS O'DWYER LTD. NOR IS IT TO BE COPIED OR REPRODUCED IN ANY MANNER WITHOUT WRITTEN CONSENT.

SCALE: 1:75,000
 18.06.2024 18.06.2024 18.06.2024

DRAWING NO: 20952-FL-WC-108
 REV: 1



APPROVED BY:

 MSC PHD, MCIWM C.WEM
Project Engineer,
 for 

LEGEND
 MARITIME AREA USAGE LICENCE AREA 
 ITM GRID COORDINATE INTERSECT 
 HIGH WATER MARK (HWM) 

GEODETTIC PARAMETERS :
 Datum : IRENET95
 Projection : TRANSVERSE MERCATOR
 Ellipsoide : GRS 1980
 Prime Meridian : GREENWICH
 Unit : METER
 ESPG : 2157

PROJECT TITLE
UISCE ÉIREANN VMADCP SURVEYS

REV	DATE	DESCRIPTION	D	C	A
1	24.10.24	GENERAL REVISIONS	DS	RC	CD


NICHOLAS O'DWYER

Uisce Éireann
 Irish Water

TITLE
LICENCE MAP E
 REF: LIC 230015

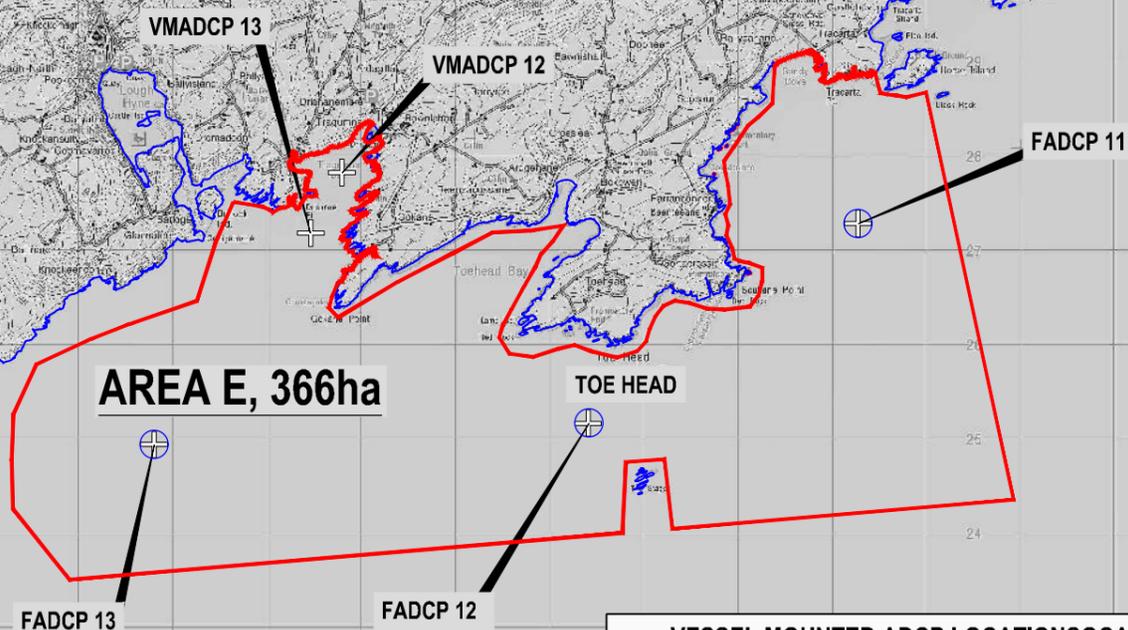
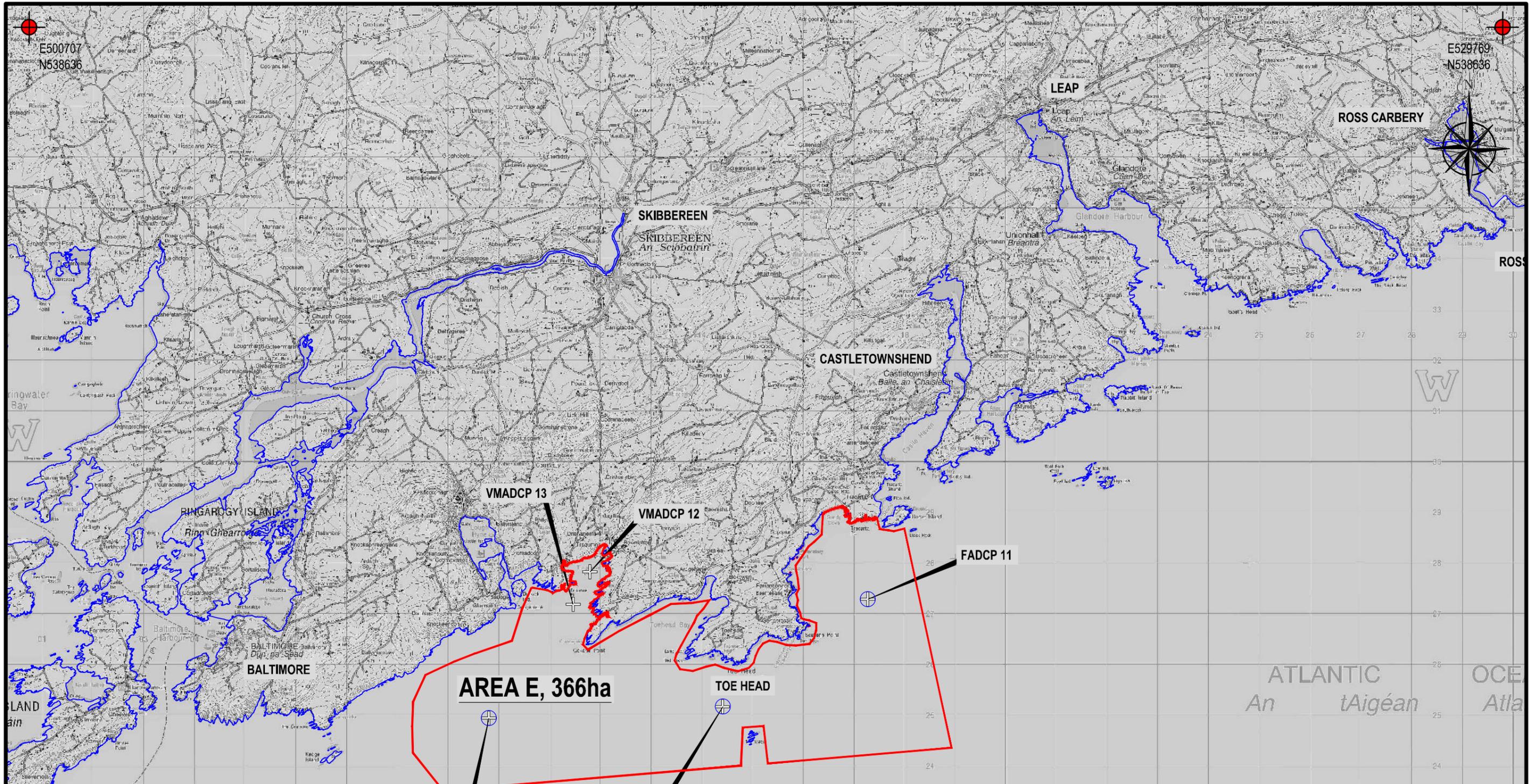
COPYRIGHT RESERVED - THIS DRAWING IS NOT TO BE USED FOR A PURPOSE OTHER THAN THAT FOR WHICH IT HAS BEEN ISSUED BY NICHOLAS O'DWYER LTD. NOR IS IT TO BE COPIED OR REPRODUCED IN ANY MANNER WITHOUT WRITTEN CONSENT.

SCALES
 1 : 75,000

DATE
 18.05.2024 | 18.05.2024 | 18.06.2024

DRAWING NO.
20952-FL-WC-109

REV
1



VESSEL MOUNTED ADCP LOCATIONS		
VMADCP No.	E	N
12	511766.556	527901.564
13	511433.994	527260.783

BOTTOM MOUNTED ADCP LOCATIONS		
FADCP No.	E	N
11	517245.65	527362.141
12	514378.339	525245.141
13	509771.192	525018.054

APPROVED BY:

 MSC PHD, MCIWM C.WEM
Project Engineer,
 for

LEGEND

- MARITIME AREA USAGE LICENCE AREA
- ITM GRID COORDINATE INTERSECT
- HIGH WATER MARK (HWM)
- INDICATIVE VESSEL BASED VMADCP SURVEY LOCATIONS
- INDICATIVE BOTTOM MOUNTED VMADCP SURVEY LOCATIONS
- INDICATIVE VESSEL BASED CTD SURVEY LOCATIONS
- VMADCP AND CTD LOCATIONS SHOWN ARE INDICATIVE ONLY AND ACTUAL VMADCP AND CTD LOCATIONS MAY VARY FROM THOSE SHOWN

GEODEIC PARAMETERS :
 Datum : IRENET95
 Projection : TRANSVERSE MERCATOR
 Ellipsoide : GRS 1980
 Prime Meridian : GREENWICH
 Unit : METER
 ESPG : 2157

PROJECT TITLE
UISCE ÉIREANN VMADCP SURVEYS

REV	DATE	DESCRIPTION	DS	RC	CD
1	24.10.24	GENERAL REVISIONS			

NICHOLAS O'DWYER

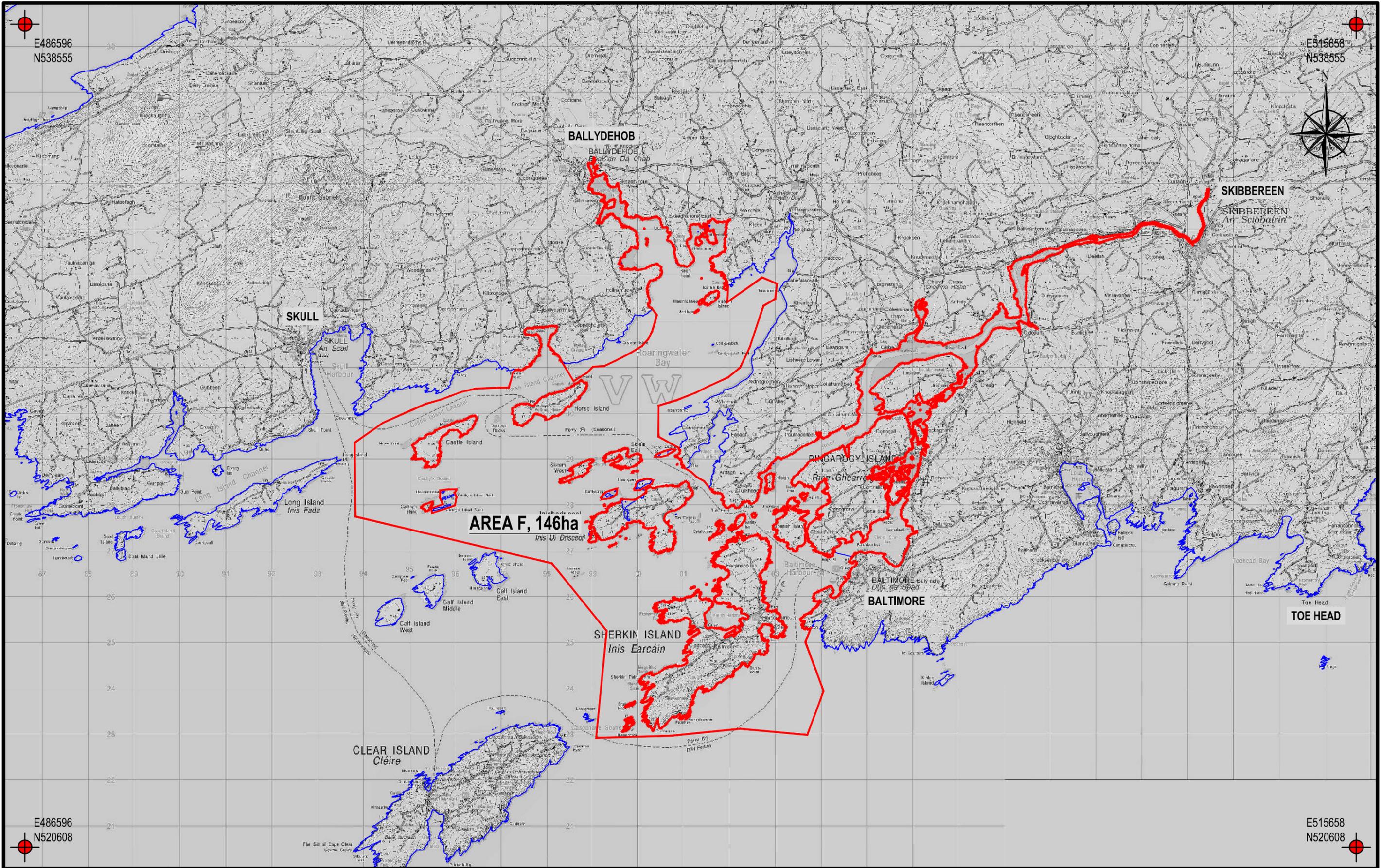
UISCE ÉIREANN

TITLE
 SITE LAYOUT MAP E
 REF: LIC 230015

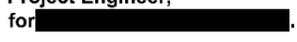
COPYRIGHT RESERVED - THIS DRAWING IS NOT TO BE USED FOR A PURPOSE OTHER THAN THAT FOR WHICH IT HAS BEEN ISSUED BY NICHOLAS O'DWYER LTD. NOR IS IT TO BE COPIED OR REPRODUCED IN ANY MANNER WITHOUT WRITTEN CONSENT.

SCALE: 1:75,000
 18.05.2024 | 18.05.2024 | 18.06.2024

DRAWING NO: 20952-FL-WC-110
 REV: 1



APPROVED BY:

 MSC PHD, MCIWM C, WIEM
Project engineer,
 for 

LEGEND

MARITIME AREA USAGE LICENCE AREA 

ITM GRID COORDINATE INTERSECT 

HIGH WATER MARK (HWM) 

GEODEIC PARAMETERS :
 Datum : IRENET95
 Projection : TRANSVERSE MERCATOR
 Ellipsoide : GRS 1980
 Prime Meridian : GREENWICH
 Unit : METER
 ESPG : 2157

PROJECT TITLE
UISCE ÉIREANN VMADCP SURVEYS

REV	DATE	GENERAL REVISIONS	DESCRIPTION	DS	RC	CD
1	24.10.24					

 **NICHOLAS O'DWYER**

 **Uisce Éireann**
 Irish Water

Licence Map F
 REF: LIC 230015

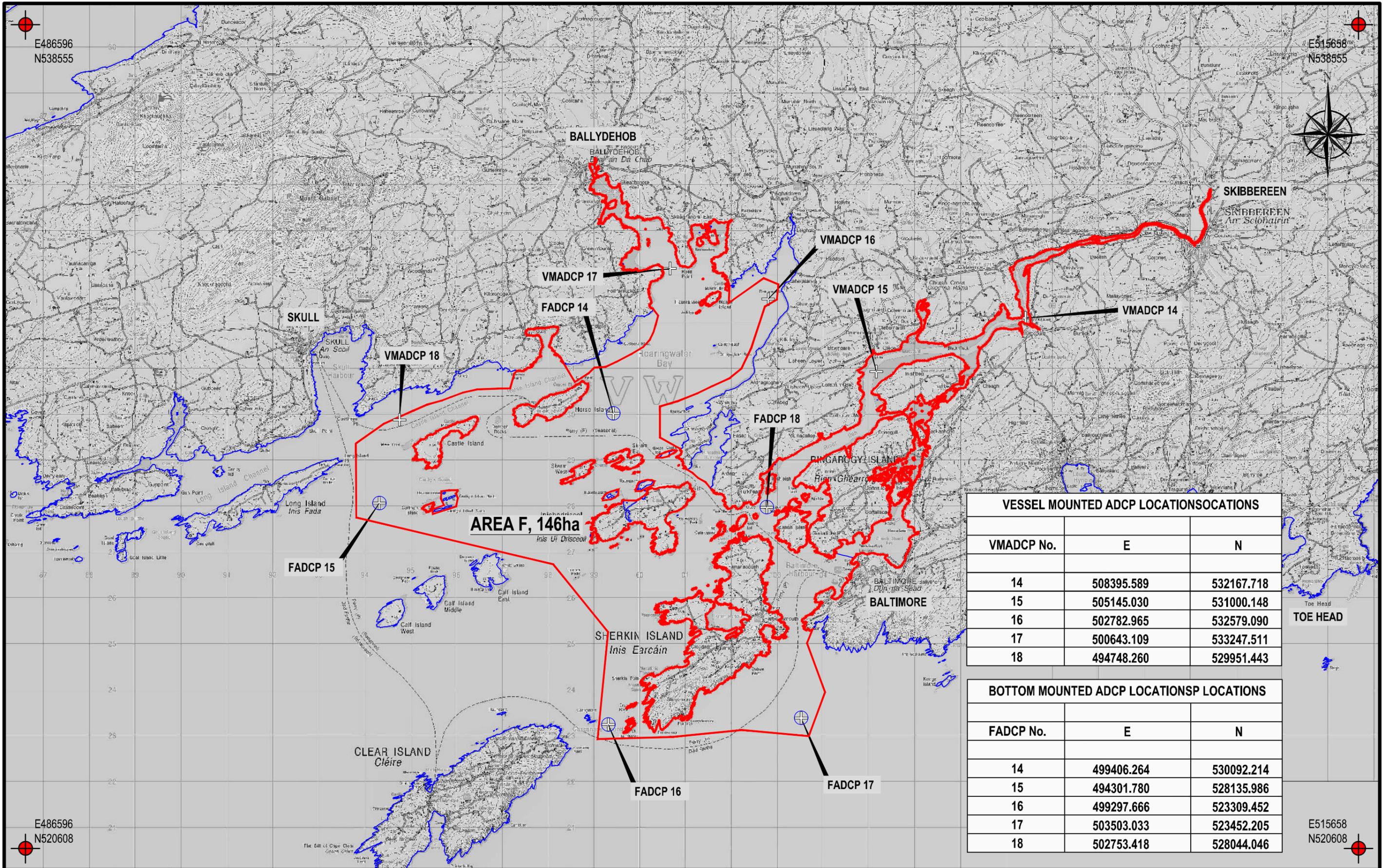
COPYRIGHT RESERVED - THIS DRAWING IS NOT TO BE USED FOR A PURPOSE OTHER THAN THAT FOR WHICH IT HAS BEEN ISSUED BY NICHOLAS O'DWYER LTD. NOR IS IT TO BE COPIED OR REPRODUCED IN ANY MANNER WITHOUT WRITTEN CONSENT.

SCALE: 1:75,000

DATE: 16.06.2024 | 16.06.2024 | 18.06.2024

DRAWING NO: 20952-FL-WC-111

REV: 0



VESSEL MOUNTED ADCP LOCATIONS		
VMADCP No.	E	N
14	508395.589	532167.718
15	505145.030	531000.148
16	502782.965	532579.090
17	500643.109	533247.511
18	494748.260	529951.443

BOTTOM MOUNTED ADCP LOCATIONS		
FADCP No.	E	N
14	499406.264	530092.214
15	494301.780	528135.986
16	499297.666	523309.452
17	503503.033	523452.205
18	502753.418	528044.046

APPROVED BY:

 Project Engineer,
 for  TD.

LEGEND

MARITIME AREA USAGE LICENCE AREA 

ITM GRID COORDINATE INTERSECT 

HIGH WATER MARK (HWM) 

INDICATIVE VESSEL BASED VMADCP SURVEY LOCATIONS 

INDICATIVE BOTTOM MOUNTED VMADCP SURVEY LOCATIONS 

INDICATIVE VESSEL BASED CTD SURVEY LOCATIONS 

VMADCP AND CTD LOCATIONS SHOWN ARE INDICATIVE ONLY AND ACTUAL VMADCP AND CTD LOCATIONS MAY VARY FROM THOSE SHOWN

GEODEIC PARAMETERS :
 Datum : IRENET95
 Projection : TRANSVERSE MERCATOR
 Ellipsoide : GRS 1980
 Prime Meridian : GREENWICH
 Unit : METER
 ESPG : 2157

PROJECT TITLE
 UISCE ÉIREANN VMADCP SURVEYS

REV	DATE	DESCRIPTION	DS	RC	CD
1	24.10.24	GENERAL REVISIONS			


NICHOLAS O'DWYER

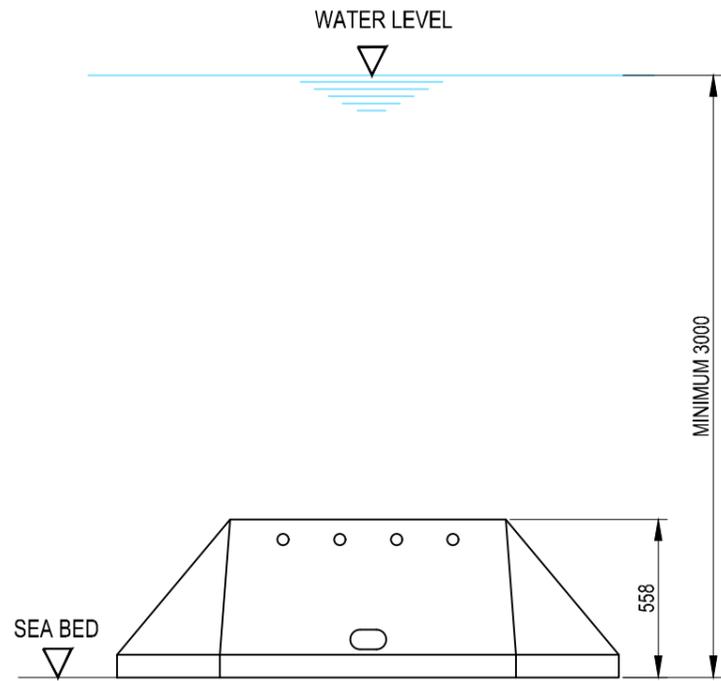

Uisce Éireann

TITLE
 SITE LAYOUT MAP F
 REF: LIC 230015

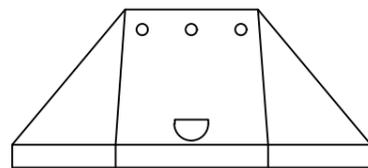
COPYRIGHT RESERVED - THIS DRAWING IS NOT TO BE USED FOR A PURPOSE OTHER THAN THAT FOR WHICH IT HAS BEEN ISSUED BY NICHOLAS O'DWYER LTD. NOR IS IT TO BE COPIED OR REPRODUCED IN ANY MANNER WITHOUT WRITTEN CONSENT.

SCALE: 1:75,000
 18.06.2024 | 18.06.2024 | 18.06.2024

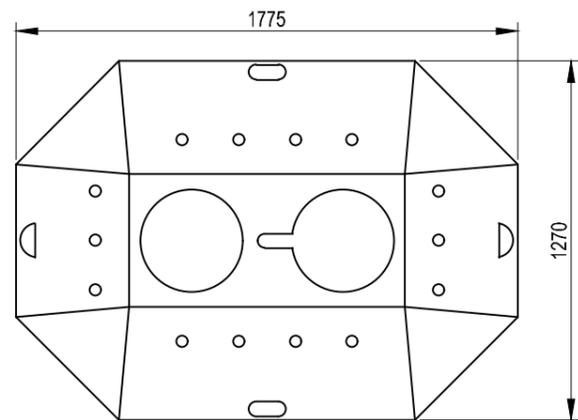
DRAWING NO.: 20952-FL-WC-112
 REV: 0



SIDE ELEVATION

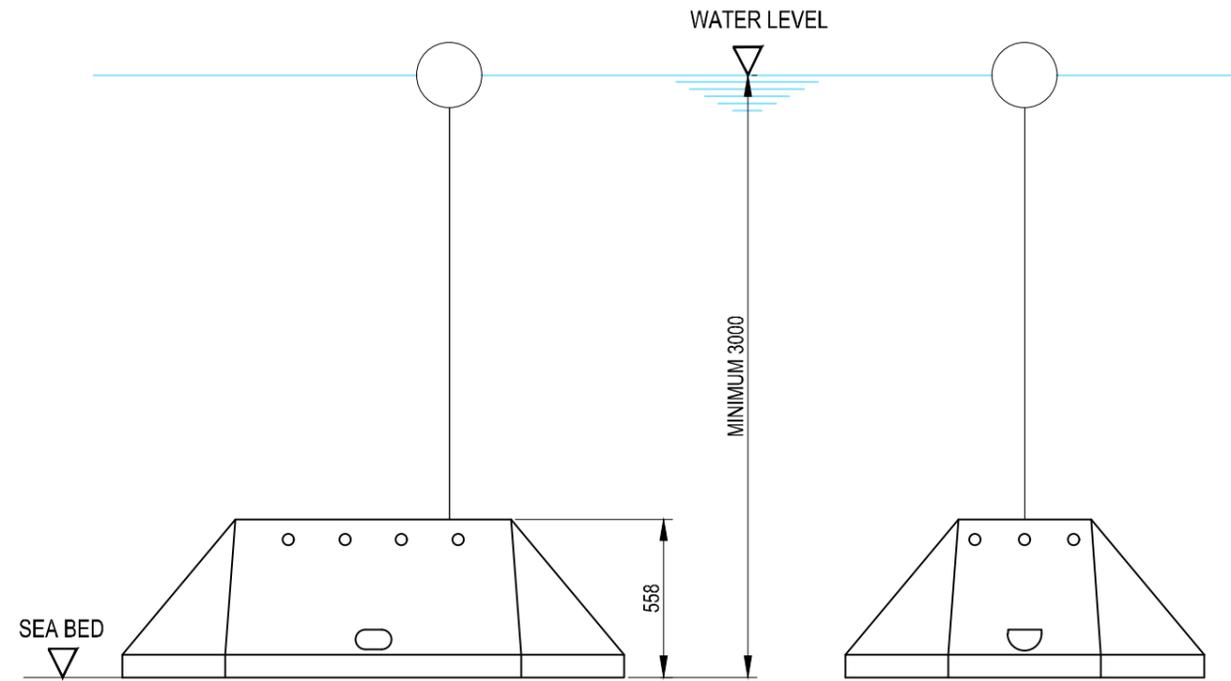


END ELEVATION

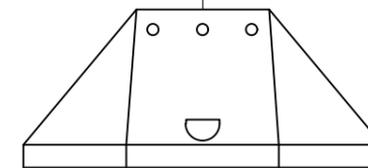


PLAN

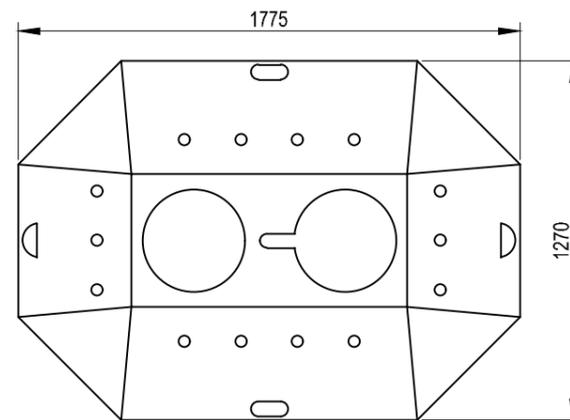
DURING DEPLOYMENT



SIDE ELEVATION



END ELEVATION



PLAN

PRE-RECOVERY

APPROVED BY:
 [Redacted] MSC PHD, MCIWEM C.WEM
Project Engineer,
 fo [Redacted]

PROJECT TITLE
UISCE ÉIREANN NON-INTRUSIVE SURVEYS



**PLAN AND ELEVATION
 OF STRUCTURE
 REF: LIC 230015**

COPYRIGHT RESERVED - THIS DRAWING IS NOT TO BE USED FOR A PURPOSE OTHER THAN THAT FOR WHICH IT HAS BEEN ISSUED BY NICHOLAS O'DWYER LTD. NOR IS IT TO BE COPIED OR REPRODUCED IN ANY MANNER WITHOUT WRITTEN CONSENT.

REV	DATE	DESCRIPTION	D	C	A

SCALE	DATE	REV
N.T.S.	18.06.2024	0

DRAWING No: **20952-FL-WC-113**