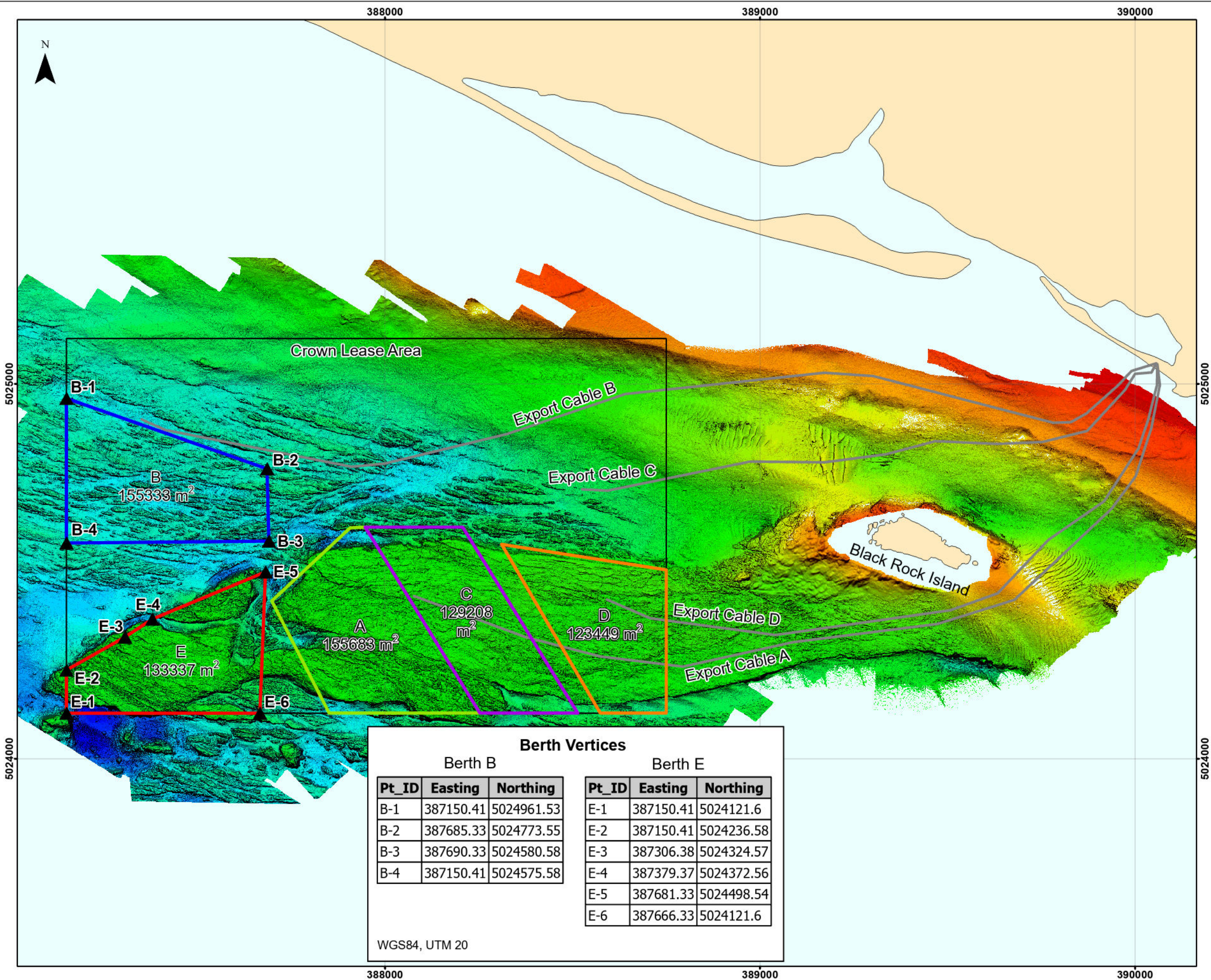




LEGEND

▲ Berth Vertices
Berths B & E as of April 2025

B E

Existing / Unchanged Berths

A C D

□ FORCE Crown Lease Area

— Export Power Cables

Notes:

1) Plan showing Berths B & E within the FORCE Crown Lease Area, as of April 2025, based upon coordinates provided By FORCE on April 15th, 2025.

New Brunswick

0 10 20 30 km

Bay of Fundy

Parrsboro

Minas Basin

Scale: 0 200 400 600 m

1:10,000

Datum / Projection: WGS84 UTM 20

Project: Fundy Tidal Energy Demonstration Project

Client: Fundy Ocean Research Centre for Energy

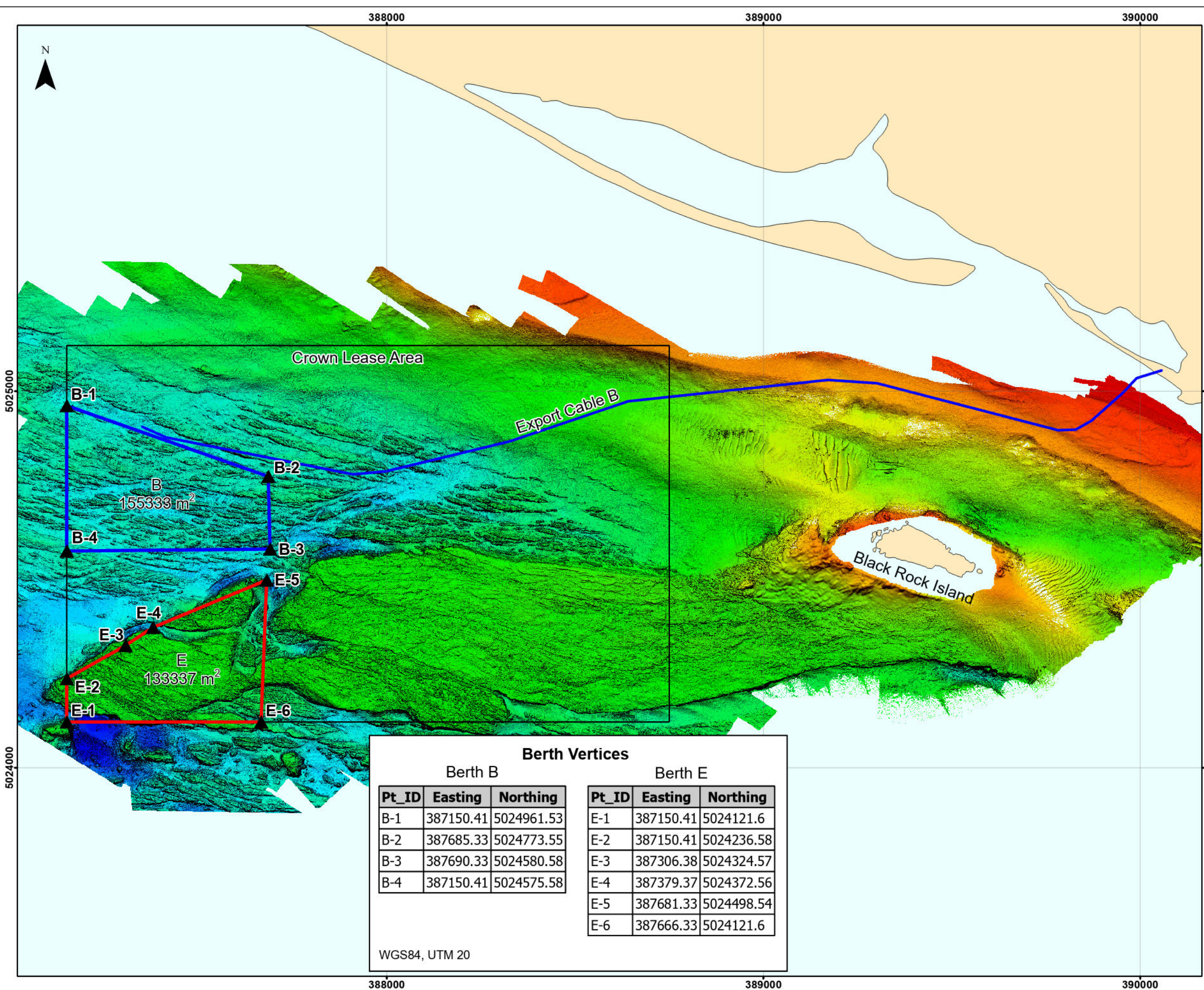
Title: ALL BERTHS AND EXPORT CABLES

Job / Proposal #: 612 Doc #: SGI-612-115-0

Prepared By:

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0	05/15/25	AA	GC	ISSUED FOR USE
Rev	Date	Prepared By	Checked By	Comments



LEGEND

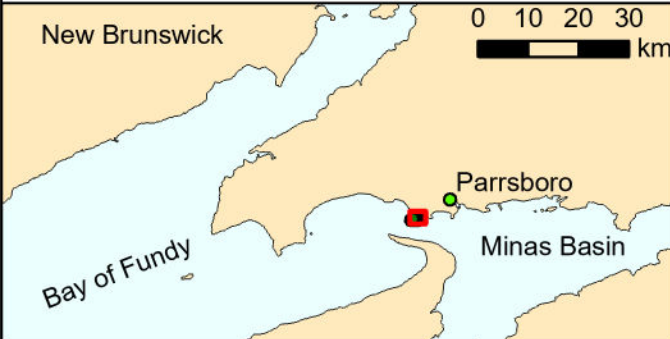
▲ Berth Vertices
Berths B & E as of April 2025

B E

FORCE Crown Lease Area

Export Cables B

Notes:
1) Plan showing Berths B & E within the FORCE Crown Lease Area, as of April 2025, based upon coordinates provided By FORCE on April 15th, 2025.



Scale: 0 200 400 600 m
1:10,000

Datum / Projection: WGS84 UTM 20
Project: Fundy Tidal Energy Demonstration Project
Client: Fundy Ocean Research Centre for Energy
Title: BERTHS B & E
Job / Proposal #: 612 Doc #: SGI-612-114-0

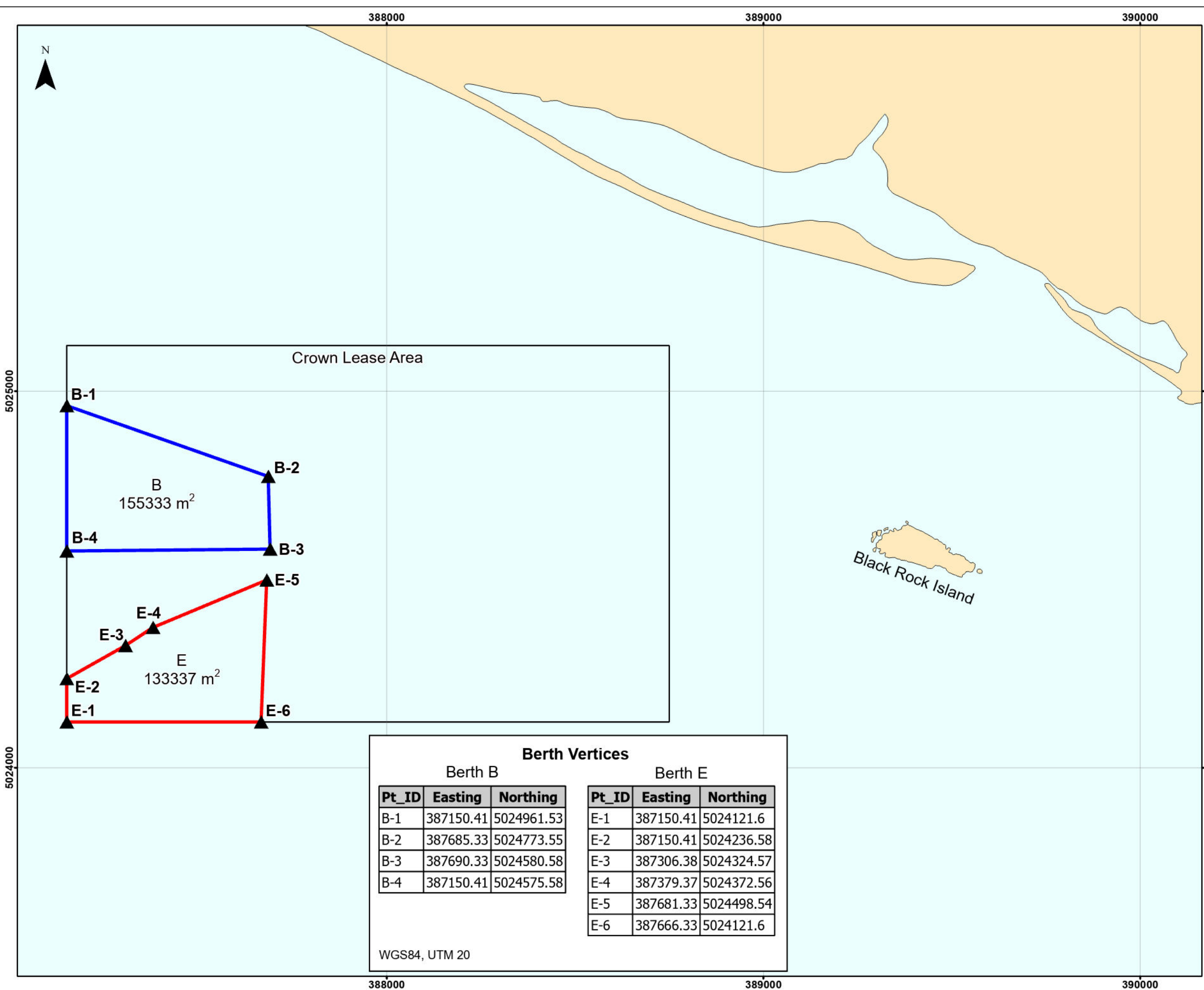
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0	05/15/25	AA	GC	ISSUED FOR USE
Rev	Date	Prepared By	Checked By	Comments

Berth Vertices					
Berth B			Berth E		
Pt_ID	Easting	Northing	Pt_ID	Easting	Northing
B-1	387150.41	5024961.53	E-1	387150.41	5024121.6
B-2	387685.33	5024773.55	E-2	387150.41	5024236.58
B-3	387690.33	5024580.58	E-3	387306.38	5024324.57
B-4	387150.41	5024575.58	E-4	387379.37	5024372.56
			E-5	387681.33	5024498.54
			E-6	387666.33	5024121.6

WGS84, UTM 20



Berth Vertices					
Berth B			Berth E		
Pt_ID	Easting	Northing	Pt_ID	Easting	Northing
B-1	387150.41	5024961.53	E-1	387150.41	5024121.6
B-2	387685.33	5024773.55	E-2	387150.41	5024236.58
B-3	387690.33	5024580.58	E-3	387306.38	5024324.57
B-4	387150.41	5024575.58	E-4	387379.37	5024372.56
			E-5	387681.33	5024498.54
			E-6	387666.33	5024121.6

WGS84, UTM 20

LEGEND

Berth Vertices

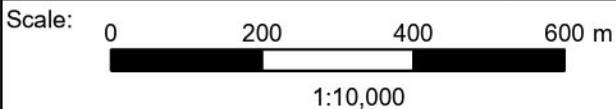
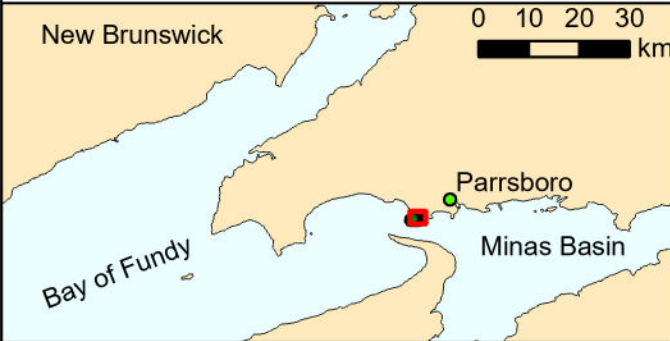
Berths B & E as of April 2025

B

E

FORCE Crown Lease Area

Notes:
1) Plan showing Berths B & E within the FORCE Crown Lease Area, as of April 2025, based upon coordinates provided By FORCE on April 15th, 2025.



Datum / Projection: WGS84 UTM 20
Project: Fundy Tidal Energy Demonstration Project
Client: Fundy Ocean Research Centre for Energy
Title: BERTHS B & E

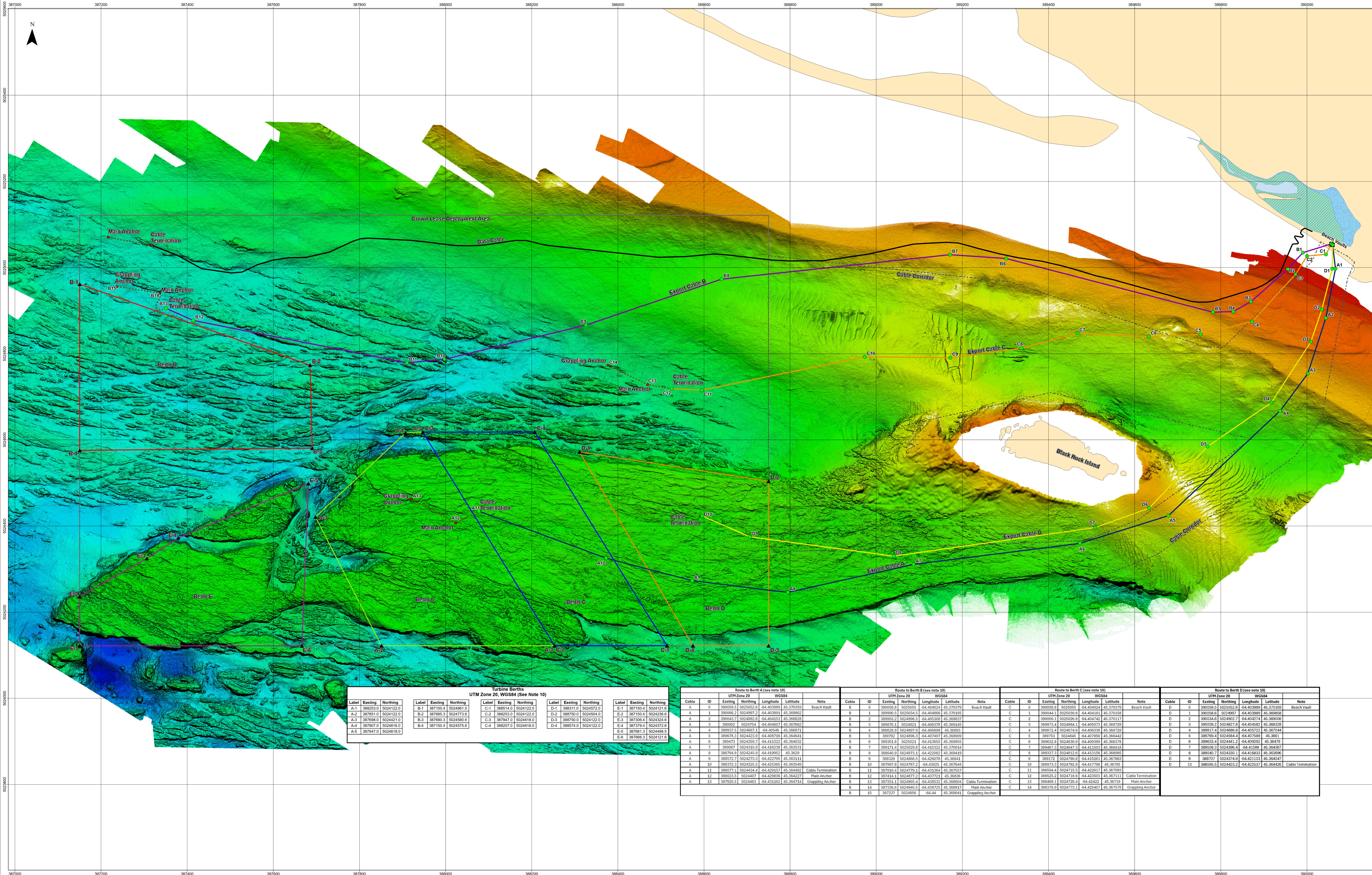
Job / Proposal #: 612 Doc #: SGI-612-113-0

Prepared By:

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0	05/15/25	AA	GC	ISSUED FOR USE
Rev	Date	Prepared By	Checked By	Comments



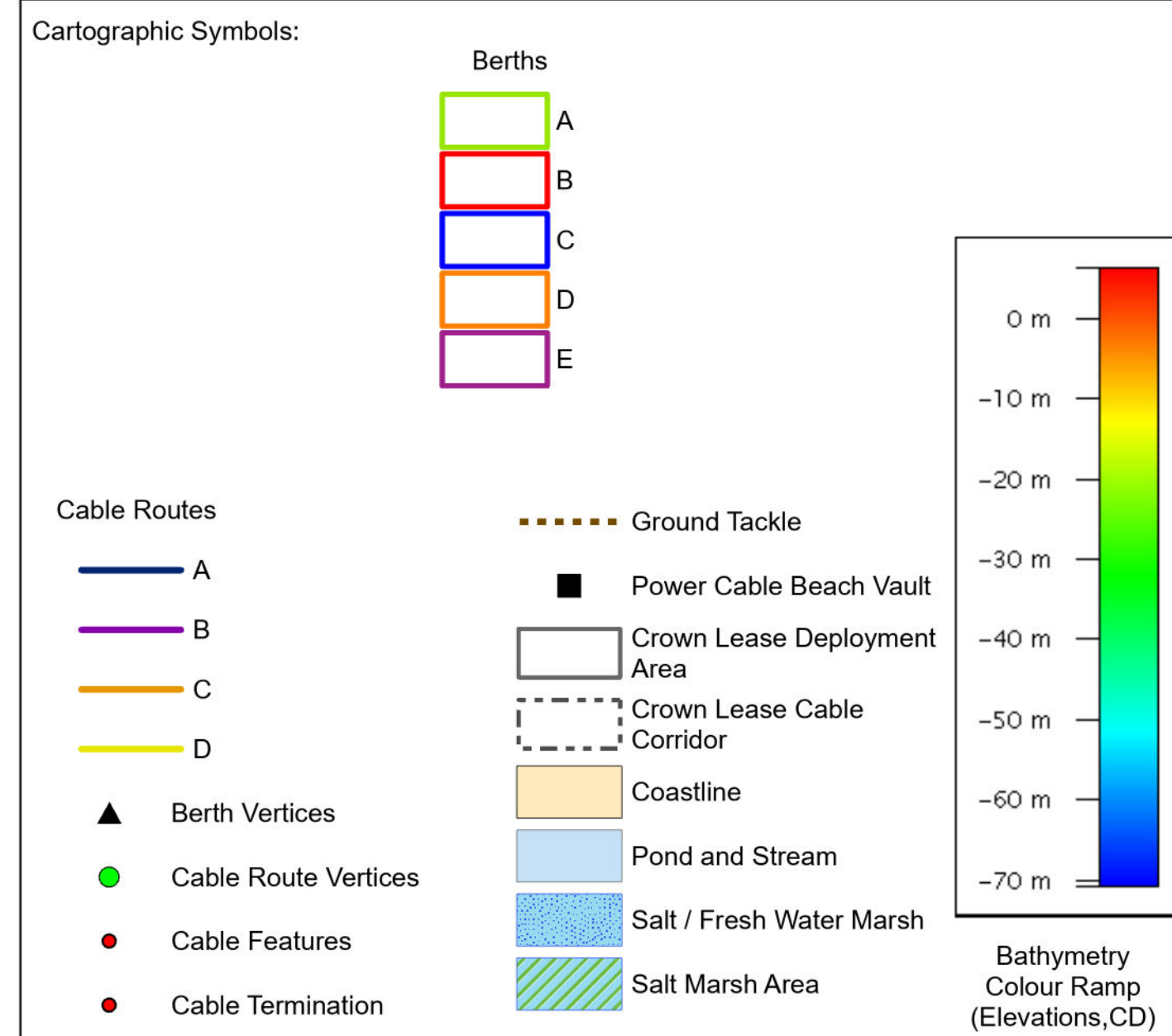
Turbine Berths											
UTM Zone 20, WGS84 (See Note 10)						UTM Zone 20, WGS84 (See Note 10)					
Label	Easting	Northing	Label	Easting	Northing	Label	Easting	Northing	Label	Easting	Northing
A-1	388253.0	5024122.0	B-1	387150.4	5024961.5	C-1	388514.0	5024122.0	D-1	388311.0	5024572.0
A-2	387851.0	5024122.0	B-2	387885.3	5024773.6	C-2	388253.0	5024122.0	D-2	388750.0	5024404.0
A-3	387686.0	5024424.0	B-3	387890.3	5024580.6	C-3	387847.0	5024616.0	D-3	388750.0	5024122.0
A-4	387607.0	5024616.0	B-4	387150.4	5024575.6	C-4	388207.0	5024616.0	D-4	388674.0	5024122.0
A-5	387847.0	5024616.0									

Route to Berth A (see note 10)													
UTM Zone 20, WGS84						UTM Zone 20, WGS84							
Cable	ID	Easting	Northing	Longitude	Latitude	Note	Cable	ID	Easting	Northing	Longitude	Latitude	Note
A	0	390059.5	5025052.6	-64.403989	45.370359	Beach Vault	B	0	390056.8	5025055	-64.404024	45.370379	Beach Vault
A	1	390066.2	5024997.2	-64.403991	45.369862		B	1	389990.5	5025034.5	-64.404866	45.370185	
A	2	390042.7	5024882.8	-64.404153	45.369820		B	2	389985.1	5024986.5	-64.405208	45.369837	
A	3	390002	5024754	-64.404057	45.367962		B	3	389970.1	5024921	-64.405378	45.369145	
A	4	389937.5	5024667.1	-64.40546	45.366871		B	4	389826.9	5024897.9	-64.40638	45.36893	
A	5	389879.3	5024423.9	-64.408718	45.364641		B	5	389782	5024886.3	-64.407507	45.368909	
A	6	389473	5024359.7	-64.411322	45.364032		B	6	389318.9	5025021	-64.413355	45.369955	
A	7	389007	5024310.9	-64.416238	45.363531		B	7	389171.4	5025029.8	-64.415322	45.370014	
A	8	388794.9	5024245.9	-64.419522	45.3629		B	8	388640.8	5024973.1	-64.422082	45.369419	
A	9	388572.7	5024273.9	-64.422795	45.363111		B	9	388326	5024986.5	-64.426976	45.36941	
A	10	388372.3	5024325.5	-64.425365	45.363546		B	10	387997.3	5024773.1	-64.430025	45.367544	
A	11	388077.1	5024344.4	-64.429157	45.364482	Cable Termination	B	11	387910.4	5024779.1	-64.431364	45.367557	
A	12	388023.5	5024407	-64.428836	45.364227	Main Anchor	B	12	387414.3	5024577.2	-64.437721	45.36836	
A	13	387351.3	5024965.4	-64.433532	45.369904		B	13	387351.3	5024965.4	-64.433532	45.369904	
A	14	387336.8	5024840.5	-64.438725	45.368917	Main Anchor	B	14	387336.8	5024840.5	-64.438725	45.368917	
A	15	387920.5	5024463	-64.431182	45.364714	Grapppling Anchor	B	15	387237	5024956	-64.44	45.369041	Grapppling Anchor

Route to Berth B (see note 10)													
UTM Zone 20, WGS84						UTM Zone 20, WGS84							
Cables	ID	Easting	Northing	Longitude	Latitude	Note	Cables	ID	Easting	Northing	Longitude	Latitude	Note
B	0	390056.8	5025055	-64.404024	45.370379	Beach Vault	C	0	390056.8	5025055	-64.404024	45.370379	Beach Vault
B	1	389990.5	5025034.5	-64.404866	45.370185		C	1	390044.1	5025030.6	-64.404181	45.370159	
B	2	389985.1	5024986.5	-64.405208	45.369837		C	2	390009.1	5025026.8	-64.404742	45.370117	
B	3	389970.1	5024921	-64.405378	45.369145		C	3	389973.4	5024984.1	-64.405073	45.368729	
B	4	389826.9	5024897.9	-64.40638	45.36893		C	4	389817.4	5024874.6	-64.406338	45.368728	
B	5	389782	5024886.3	-64.407507	45.368909		C	5	389753	5024843	-64.407858	45.368442	
B	6	389632.8	5024839.9	-64.409393	45.368379		C	6	389623.8	5024839.9	-64.409393	45.368379	
B	7	389457.3	5024847.3	-64.411503	45.368415		C	7	389457.3	5024847.3	-64.411503	45.368415	
B	8	389337.3	5024812.6	-64.413156	45.368085		C	8	389337.3	5024812.6	-64.413156	45.368085	
B	9	389132	5024790.8	-64.415281	45.367963		C	9	389132	5024790.8	-64.415281	45.367963	
B	10	388970.3	5024773.1	-64.417784	45.367585		C	10	388970.3	5024773.1	-64.417784	45.367585	
B	11	387910.4	5024779.1	-64.431364	45.367557		C	11	388594.4	5024715.5	-64.422617	45.367093	
B	12	387414.3	5024577.2	-64.437721	45.36836		C	12	388252.2	5024718.6	-64.423501	45.367111	Cable Termination
B	13	387351.3	5024965.4	-64.433532	45.369904		C	13	388466.1	5024729.4	-64.42422	45.367169	Main Anchor
B	14	387336.8	5024840.5	-64.438725	45.368917	Main Anchor	C	14	388376.9	5024773.1	-64.425407	45.367578	Grapppling Anchor
B	15	387237	5024956	-64.44	45.369041	Grapppling Anchor							

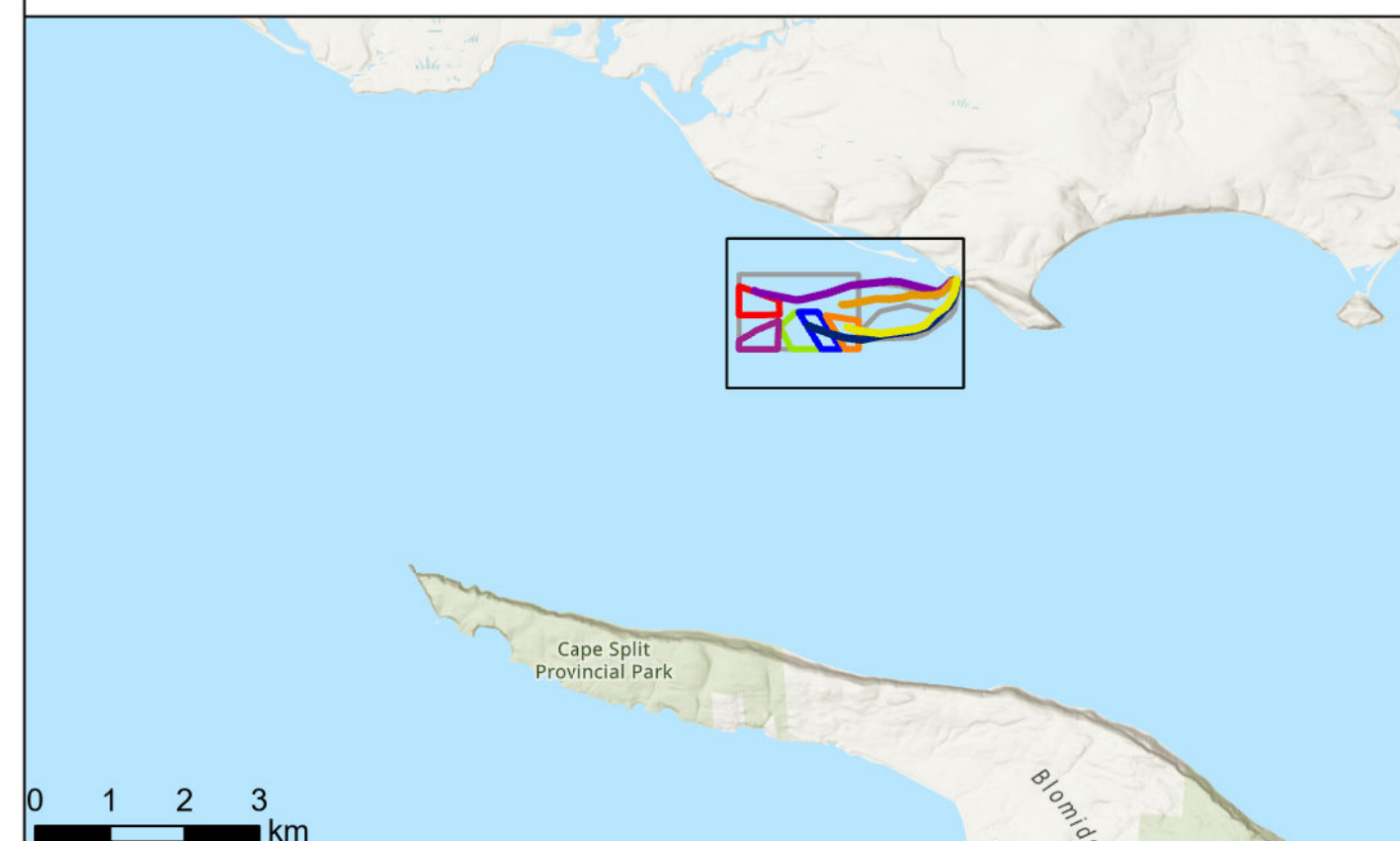
Route to Berth C (see note 10)												
UTM Zone 20, WGS84						UTM Zone 20, WGS84						
	Cable	ID	Easting	Northing	Longitude	Latitude	Note					
	C	0	390056.8	5025055	-64.404024	45.370379	Beach Vault					
	C	1	390044.1	5025030.6	-64.404181	45.370159						
	C	2	390009.1	5025026.8	-64.404742	45.370117						
	C	3	389973.4	5024984.1	-64.405073	45.368729						
	C	4	389872.4	5024874.6	-64.406338	45.368728						
	C	5	389753	5024843	-64.407858	45.368442						
	C	6	389623.8	5024839.9	-64.409393	45.368378						
	C	7	389457.3	5024847.3	-64.411503	45.368415						
	C	8	389337.3	5024812.6	-64.413156	45.368085						
	C	9	389132	5024790.8	-64.415281	45.367963						
	C	10	388970.3	5024773.1	-64.417784	45.367585						
	C	11	388594.4	5024715.5	-64.422617	45.367093						
	C	12	388252.2	5024718.6	-64.423501	45.367111	Cable Termination					
	C	13	388466.1	5024729.4	-64.42422	45.367169	Main Anchor					
	C	14	388376.9	5024773.1	-64.425407	45.367578	Grapppling Anchor					

Route to Berth D (see note 10)													
UTM Zone 20, WGS84						UTM Zone 20, WGS84							
Cable	ID	Easting	Northing	Longitude	Latitude	Note	Cable	ID	Easting	Northing	Longitude	Latitude	Note
D	0	390059.5	5025052.6	-64.403989	45.370359	Beach Vault							
D	1	390038.6	5024997	-64.403989	45.369858								
D	2	390034.0	5024992.7	-64.404214	45.369928								
D	3	390009.2	5024897.8	-64.404582	45.368328								
D	4	389917.4	5024896.8	-64.405222	45.367944								
D	5	389769.4	5024944.4	-64.407588	45.3681								
D	6	389633.4	5024641.2	-64.409262	45.36479								
D	7	389508.3	5024936.4	-64.41088	45.364367								
D	8	389406.7	5024330.1	-64.416833	45.363696								
D	9	389107	5024324.9	-64.421103	45.364047								
D	10	388956.3	5024523.2	-64.422527	45.364458	Cable Termination							



- Notes:
- 1) North-up plan showing the current FORCE berths and the export power cables.
 - 2) The depicted power cables are simplified versions of the most recent as-found cables.
 - 3) The termination position for Cable D represents the most recent as-found position (Feb. 2025), from the last Open Hydro turbine deployment (July, 2018). Open Hydro turbine and associated features, turbine, quadrant, ground tackle and anchors are not depicted on this chart.
 - 4) The power cables were laid between October 16, 2014 and October 28th, 2014 (Refer to chart SGI-703-004-0 and report "FORCE Power Cable Trials and Deployment Marine Survey Operations Report" (SGI-703-MSR-002-Rev B) for details).
 - 5) The most recent complete cable monitoring survey was conducted September, 2015. Refer to report "FORCE CABLE MONITORING SURVEY, TISEC BERTHS & CABLE ROUTES, Marine Survey Report" (SGI-733-MSR-001) for details.
 - 6) Depicted berth configurations are current as of May, 2025.
 - 7) All measurement units in metres unless otherwise noted.
 - 8) Displayed bathymetric image combines Seaforth data with 2m gridded data from the Canadian Hydrographic Service.
 - 9) Coastline data sourced from the NS Geomatics Centre, GEONOVA web portal and Black Rock Island was digitized from Google Earth.
 - 10) Berth boundary coordinates and export power cable vertex coordinates are in metres and are referenced to UTM Zone 20, WGS84.

Datum Parameters	Projection Parameters
Spheroid: WGS 1984 Semi-Major Axis (a) (m): 6378137.0 Inverse Flattening (1/f): 298.257223563	Projection: Transverse Mercator Zone: 20 Latitude of Origin: 0° N Central Meridian: 63° W Scale Factor: 0.9998 False Easting: 500000.0 Chart Datum (LLWLT)
Vertical Datum:	



Scale: 0 100 200 300 m

1:2,500

Project: Fundy Tidal Energy Demonstration Project

Client: FORCE
Fundy Ocean Research Centre for Energy
PO Box 2573
Halifax, Nova Scotia
B3J 3N5

Title: FORCE SITE
BERTHS & CABLES

Surveyed By: SEAFORTH GEOSURVEYS

Job #: 612 | Doc #: SGI-612-112-1

Prepared By: SEAFORTH GEOSURVEYS
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Rev	Date	Comment	Interpr.	Drawn:	Check:	Appr.
0	10/25/24	ISSUED FOR USE	N/A	AA	GC/CB	GC
1	05/15/25	UPDATED BERTHS B & E	N/A	AA	GC/CB	GC

Filename: SGI612-112-1.pdf

NOTES:

BEARINGS ARE REFERRED FROM THE 3° MODIFIED TRANSVERSE MERCATOR GRID NORTH, CENTRAL MERIDIAN 64°30' WEST LONGITUDE, (ZONE 5), AND WERE DERIVED FROM GLOBAL POSITIONING SYSTEM OBSERVATIONS RELATING NEARBY BOUNDARY POINTS TO NOVA SCOTIA COORDINATE MONUMENT NUMBERS 15028, 15029, 15031 & 26207. (ATS77, 1992 VALUES IN METRES).

GPS LOCALIZATION: SINGLE POINT TO NSCM 15028.

FIELD SURVEYS WERE CARRIED OUT 16 JULY 2008 TO 15 SEPTEMBER 2016.

VALUES WERE NOT ADJUSTED; SCALE FACTOR WAS NOT APPLIED.

DISTANCES SHOWN ARE IN METRES, TO CONVERT TO FEET DIVIDE BY 0.3048.

TOPOGRAPHIC FEATURES WERE DETERMINED BY RADIAL OBSERVATION.