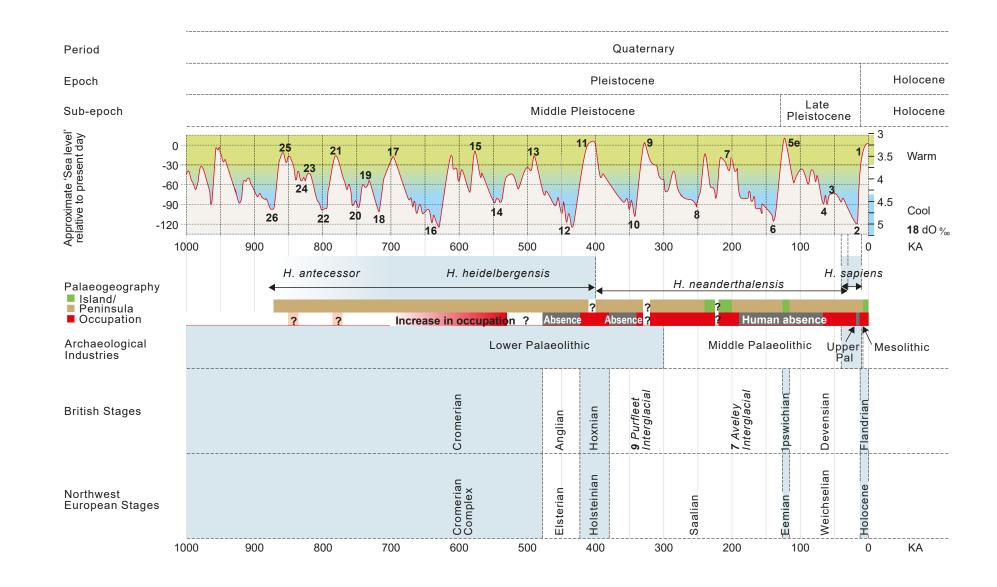


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The figure presents information derived from several references: Lisiecki, L. E. and Raymo, M. E. (2005). A Pliocene-Pleistocene stack of 57 globally distributed benthic õ180 records. *Paleoceanography*, Vol. 20, PA1003. Jelgersma, S. (1979). Sea-level changes in the North Sea basin, in Oele, E., Schuttenhelm, R.T.E., Wiggers, A.J. (eds.) *The Quaternary History of the North Sea*. Acta Universatis Upsaliensis: symposium Universitatis Upsaliensis Annum Quingentesimum Celebrantis 2, pp. 233-248. Dix, J. and Westlev, K. (2004). A Re-Assessment of the Archaeological Potential of Continental Shelves. University of Southampton:

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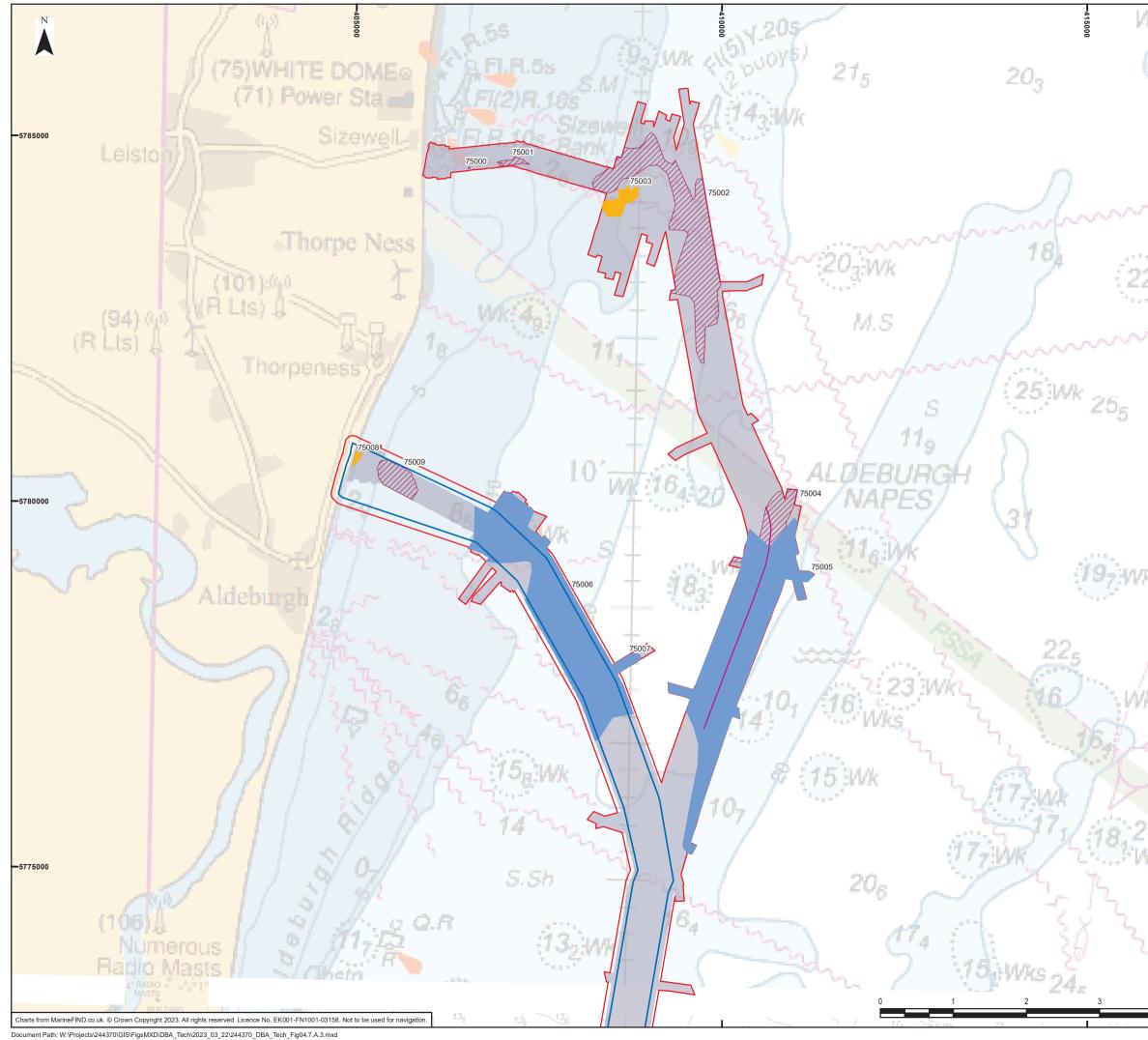
Unpublished report (see Online-Resources). Funnell, B.M. (1995). Global sea-level and the (pen-)insurality of late Cenozoic Britain. In Preece, R.C. (eds.). Island Britain:

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Gibbard, P. and van Kolfschoten (2004). The Plistocene and Holocene Epochs, in F. M Gradstein, J. G. Ogg and A. G. Smith (eds) A Geological Time Scale 2004. Cambridge University Press.
Kukla, G.J., Bender, M.L., de Beaulieu, J.L., Bond, G., Broecker, W.S., Cleveringa, P., Gavin, J.E., Herbert, T.D., Imbrie, J., Jouzel, J., Keigwin, L.D., Knudsen, K.L., McManus, J.F., Merkt, J., Muhs, D.R., Müller, H., Poore, R.Z., Porter, S.C., Seret, G., Shackleton, N.J., Turner, C., Tzedakis, P.C. & Winograd, I.J. (2002). Last Interglacial Climates. *Quatermary Research*, 56, pp. 2-13.
Lee, J. R., Rose, J., Candy, I., and Barendregt, R.W. (2006). Sea level changes, river activity, soil development and glaciation around the westerm margins of the southern North Sea Basin during the Early and early Middle Pleistocene: evidence from Pakefield, Suffolk, UK. *Journal of Oustermary*. Circine, 21, no 155, 170.

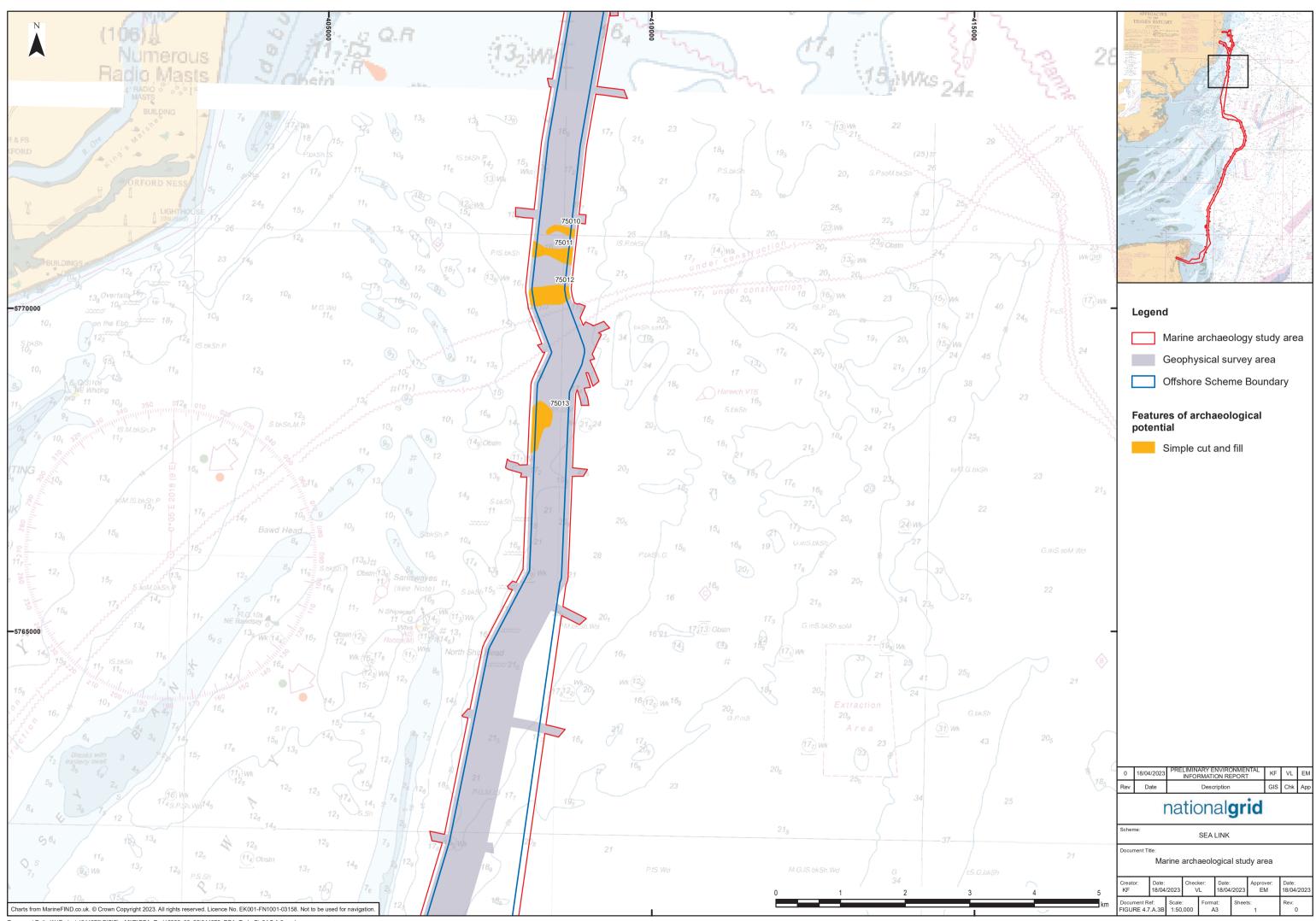
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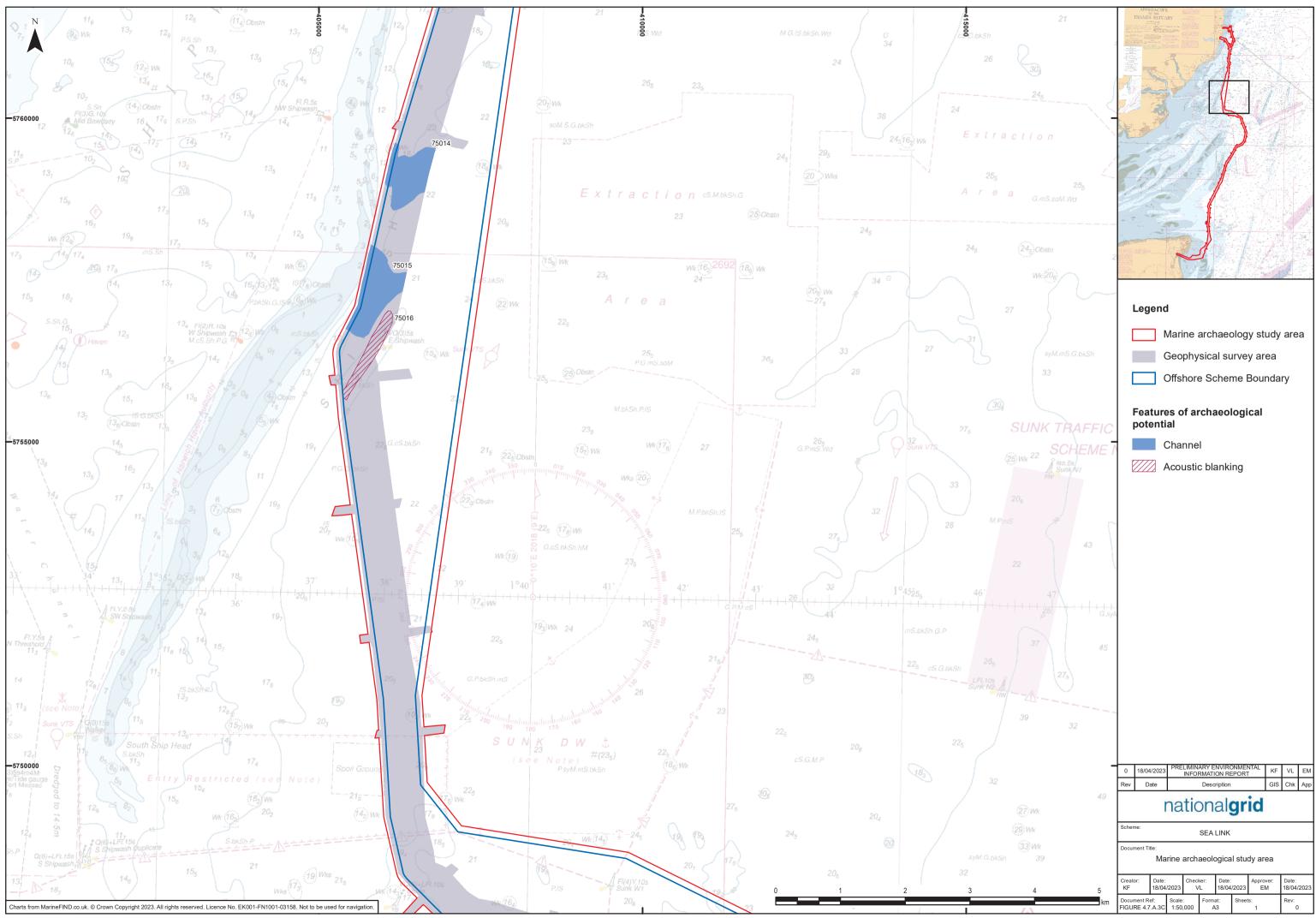
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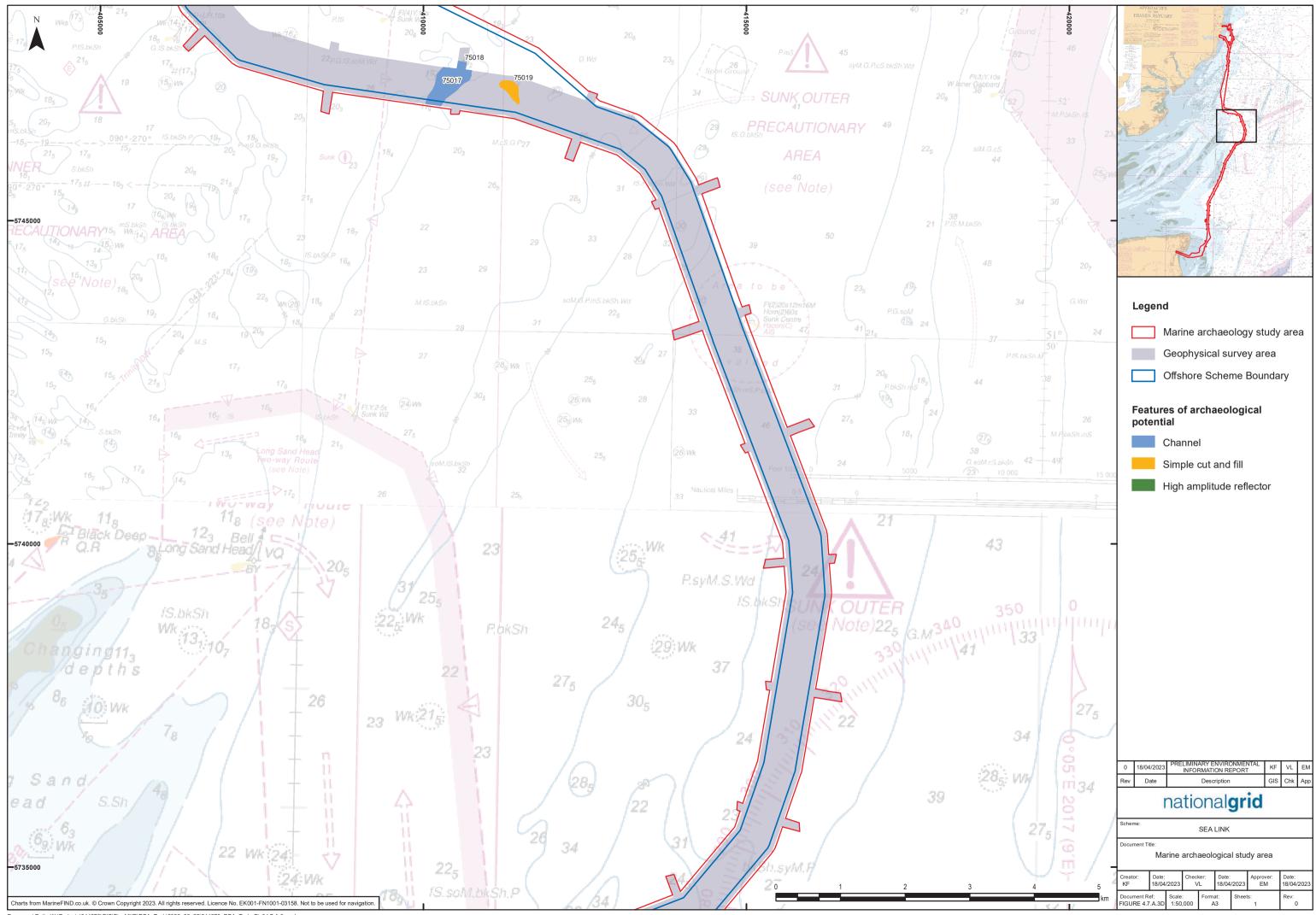
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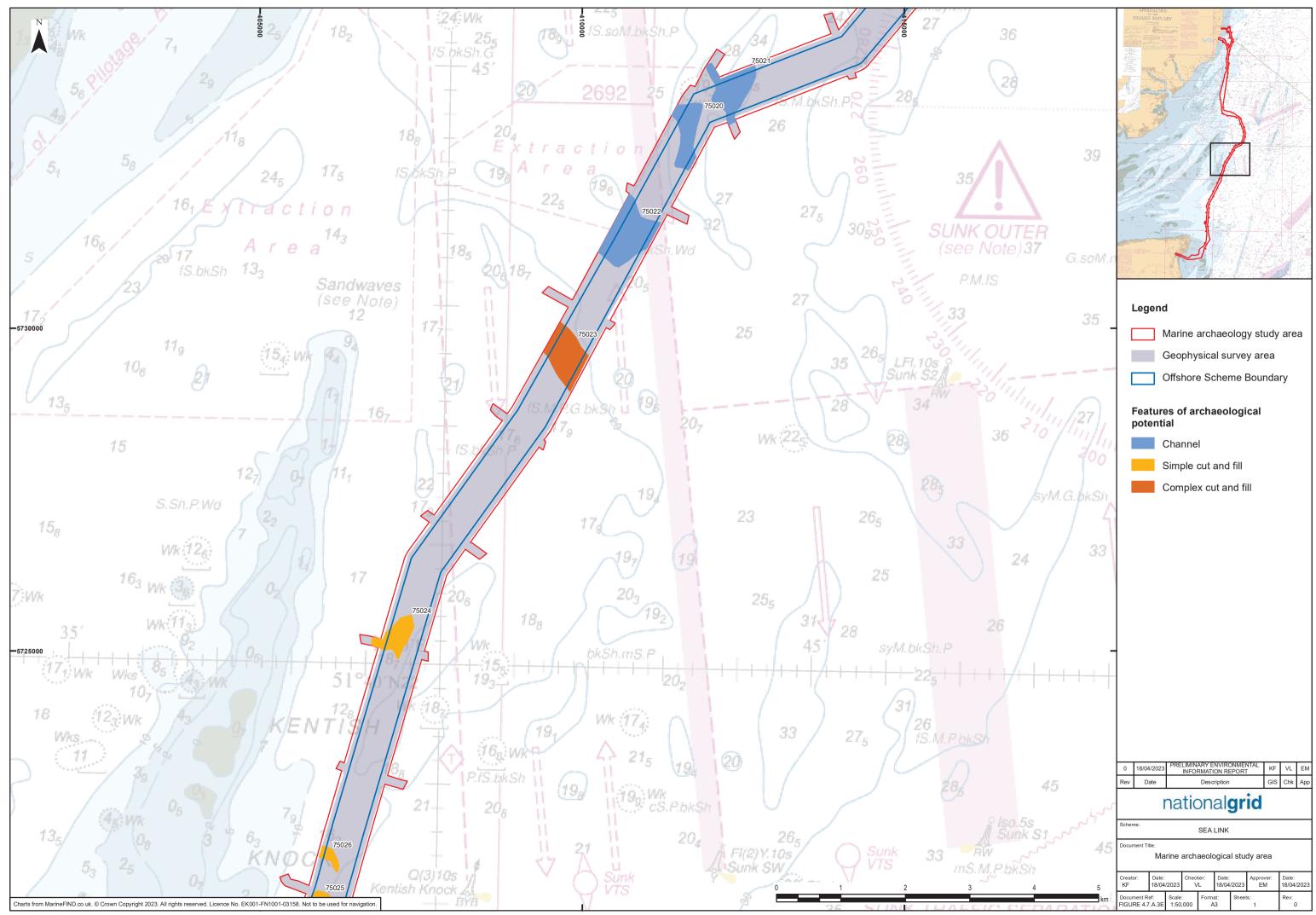
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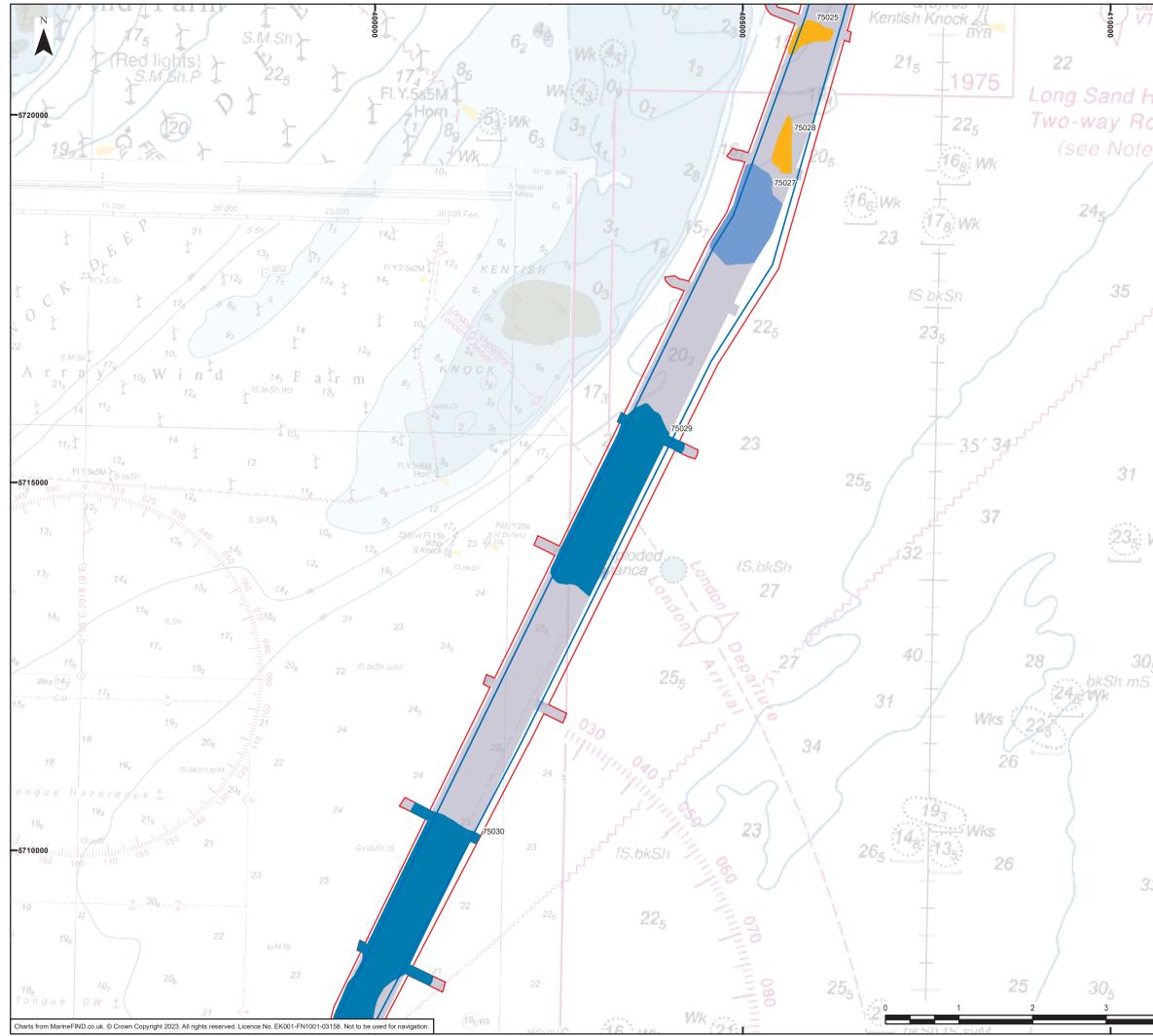
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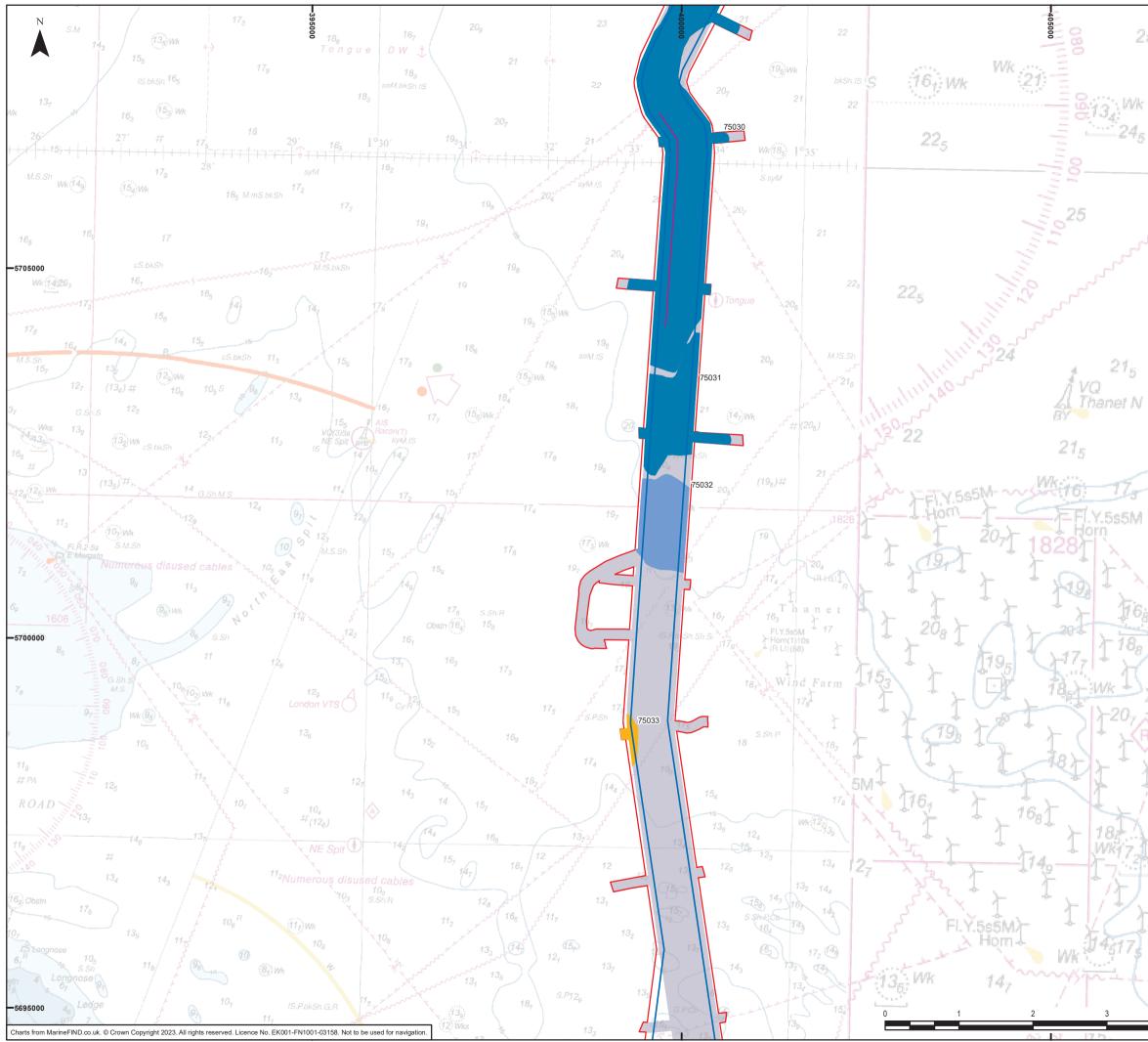


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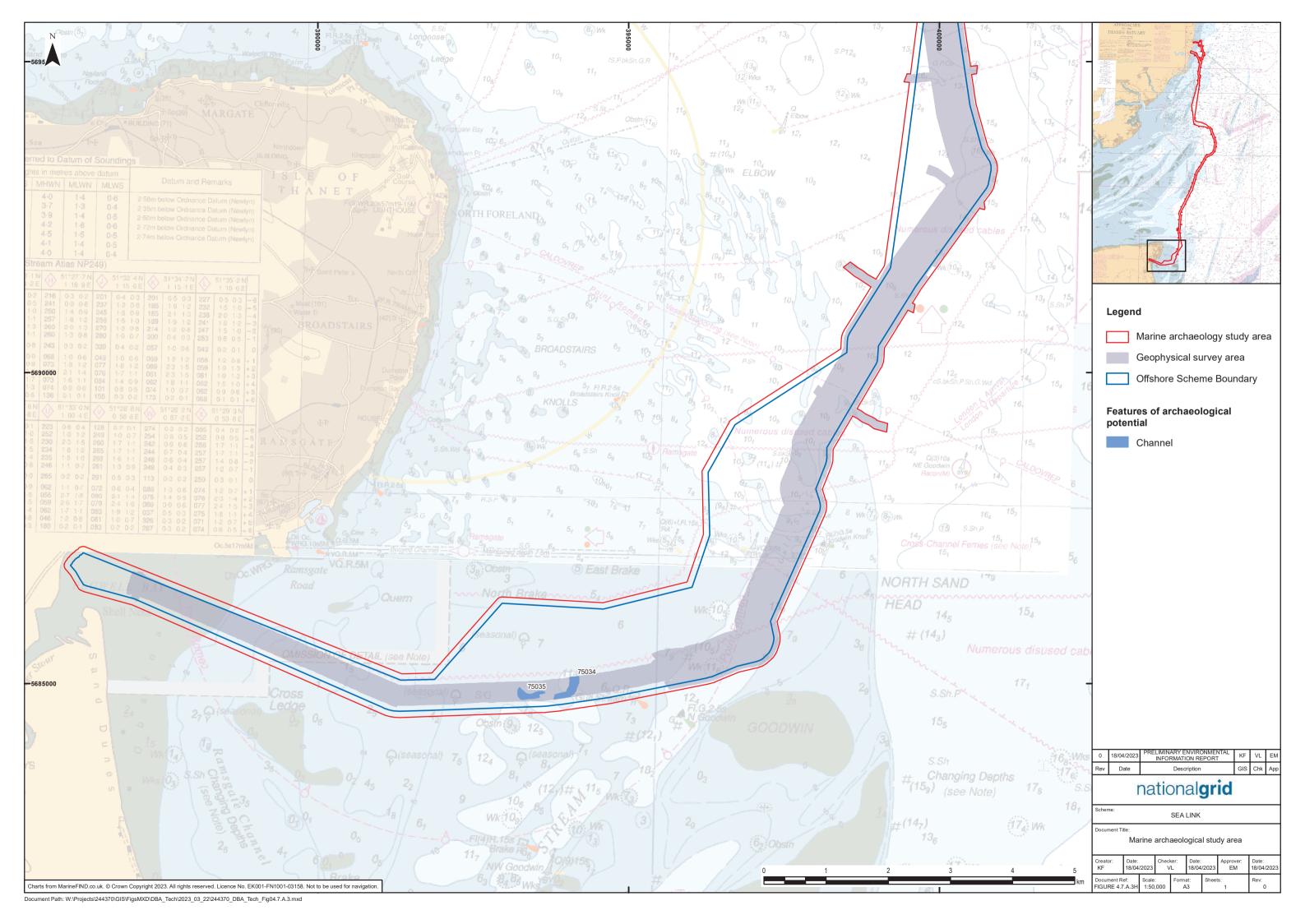
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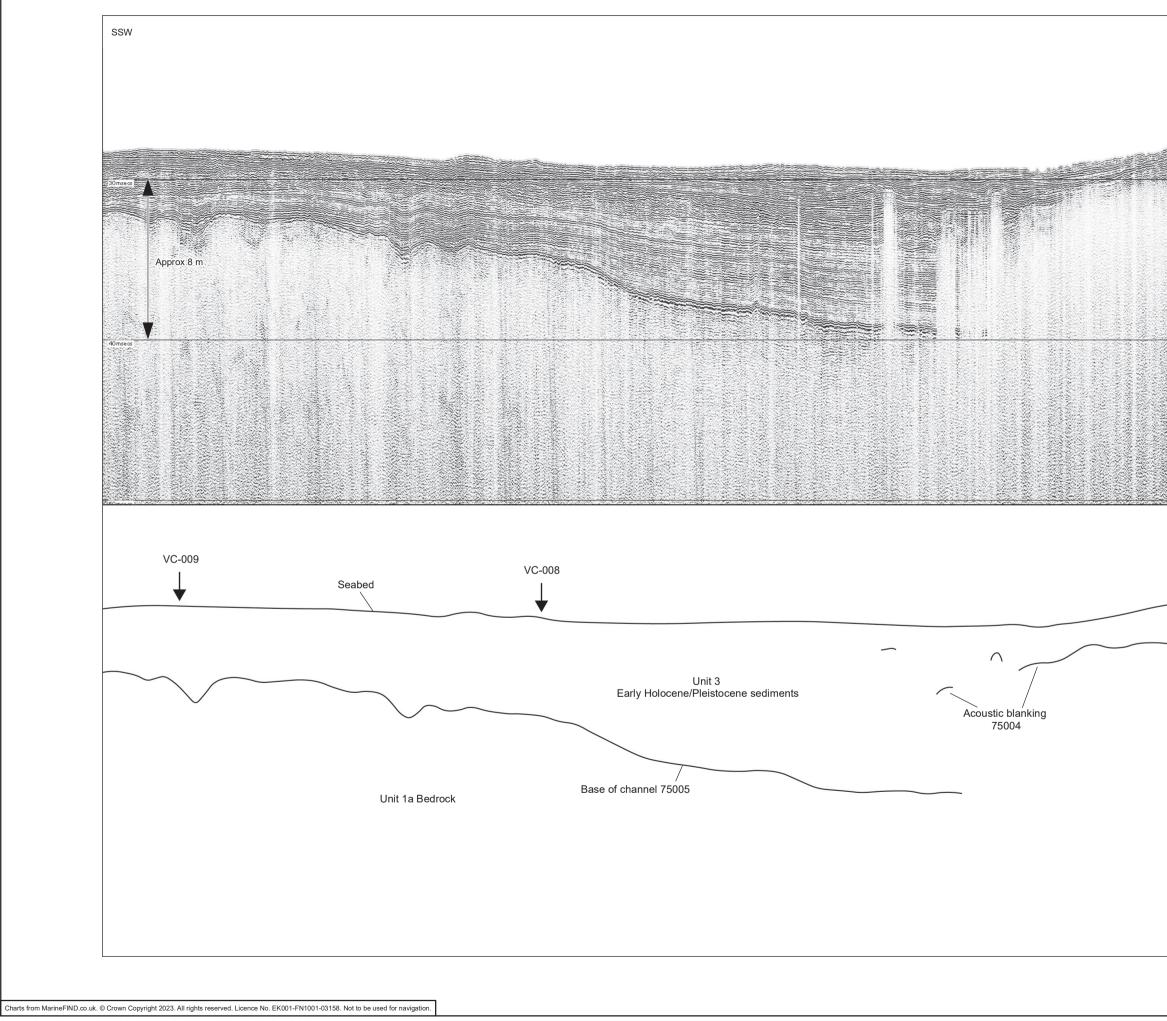
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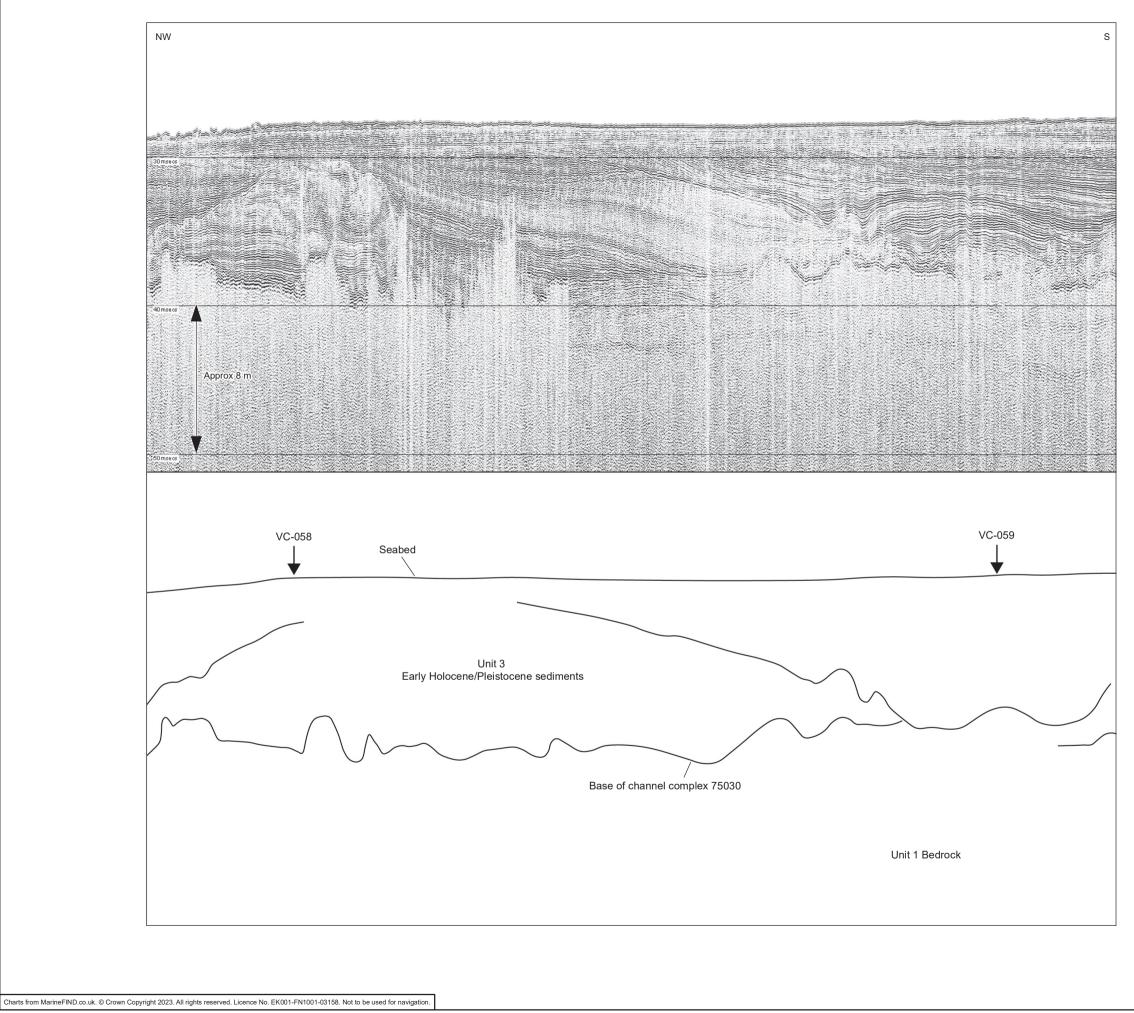




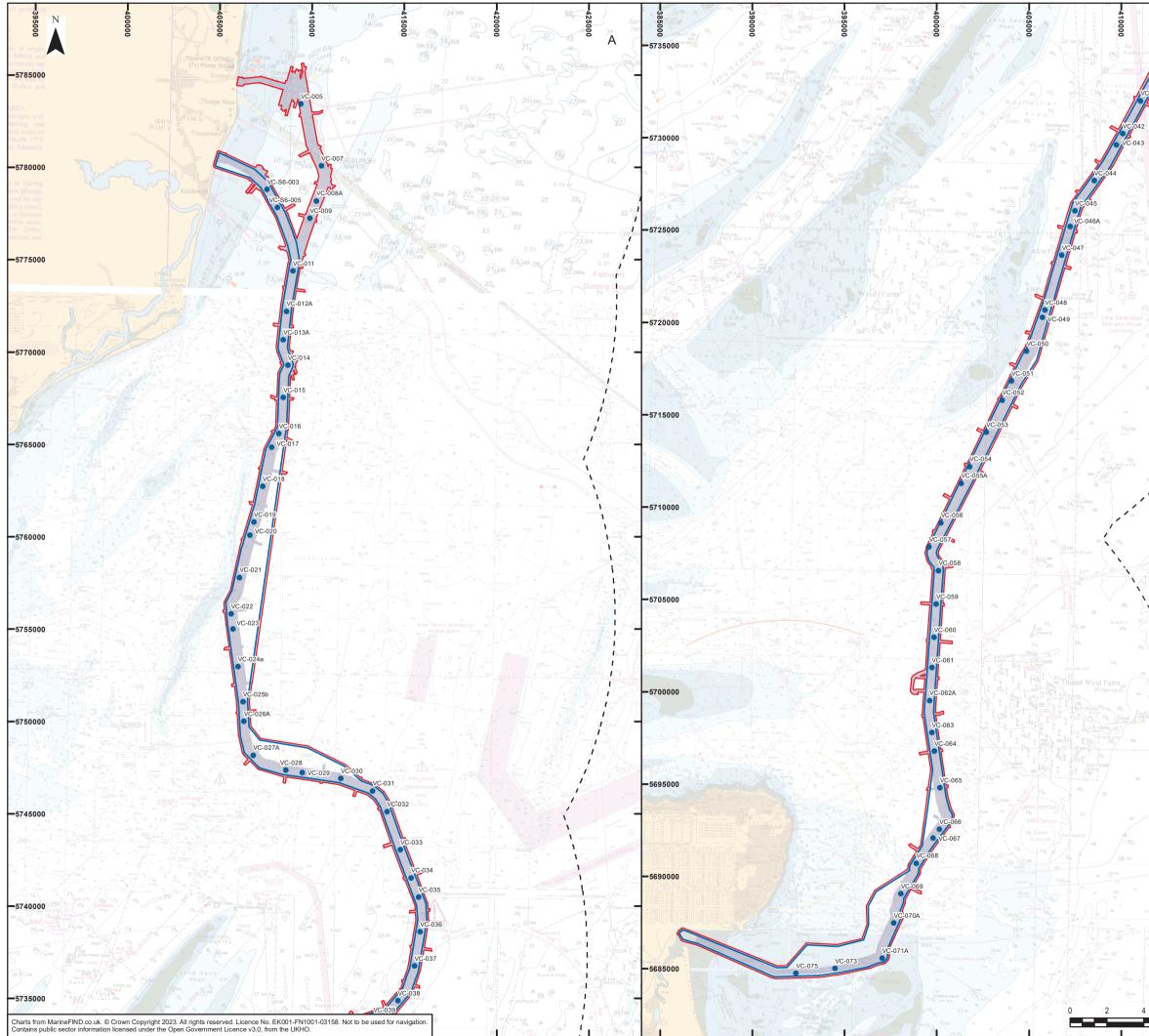
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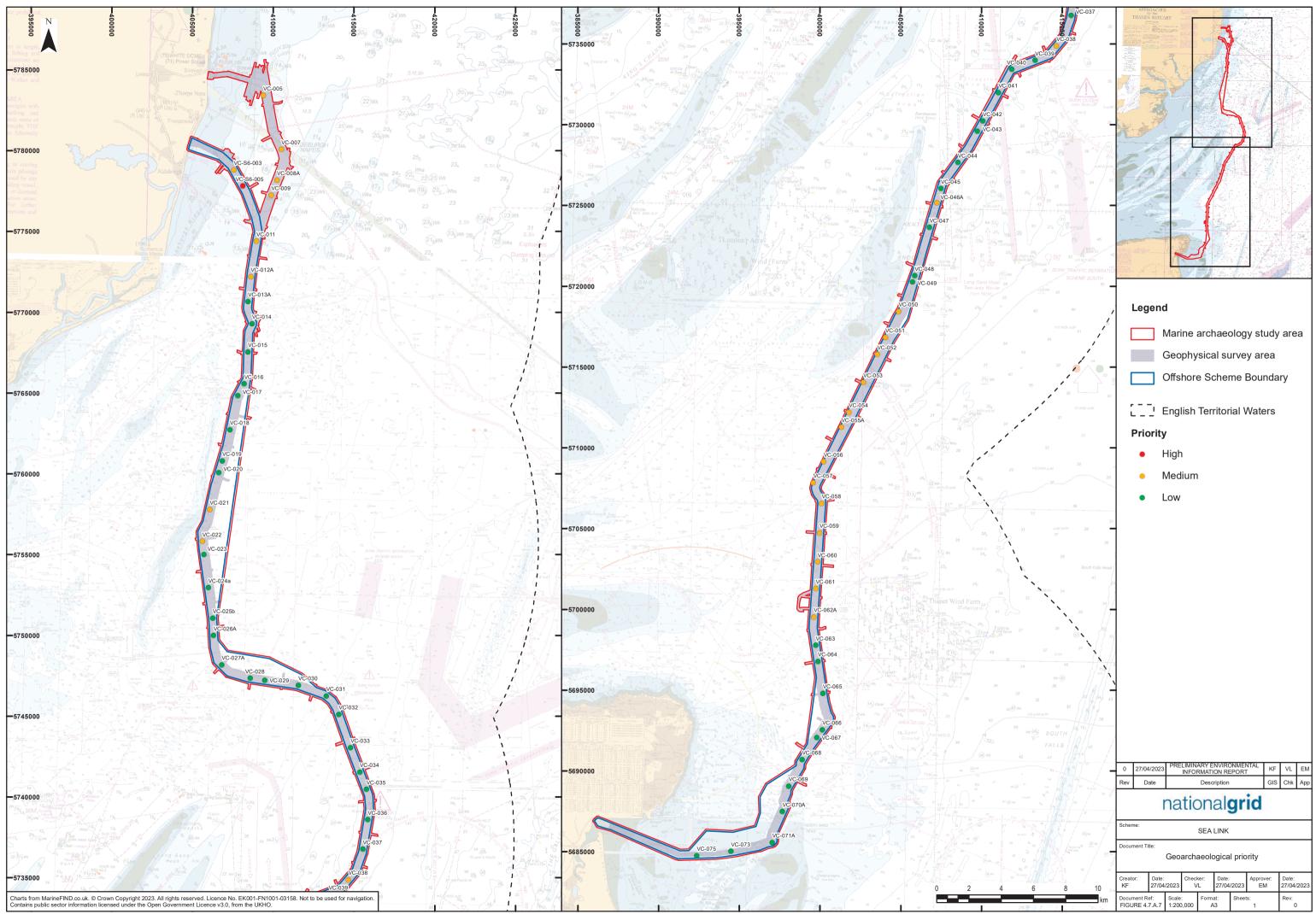


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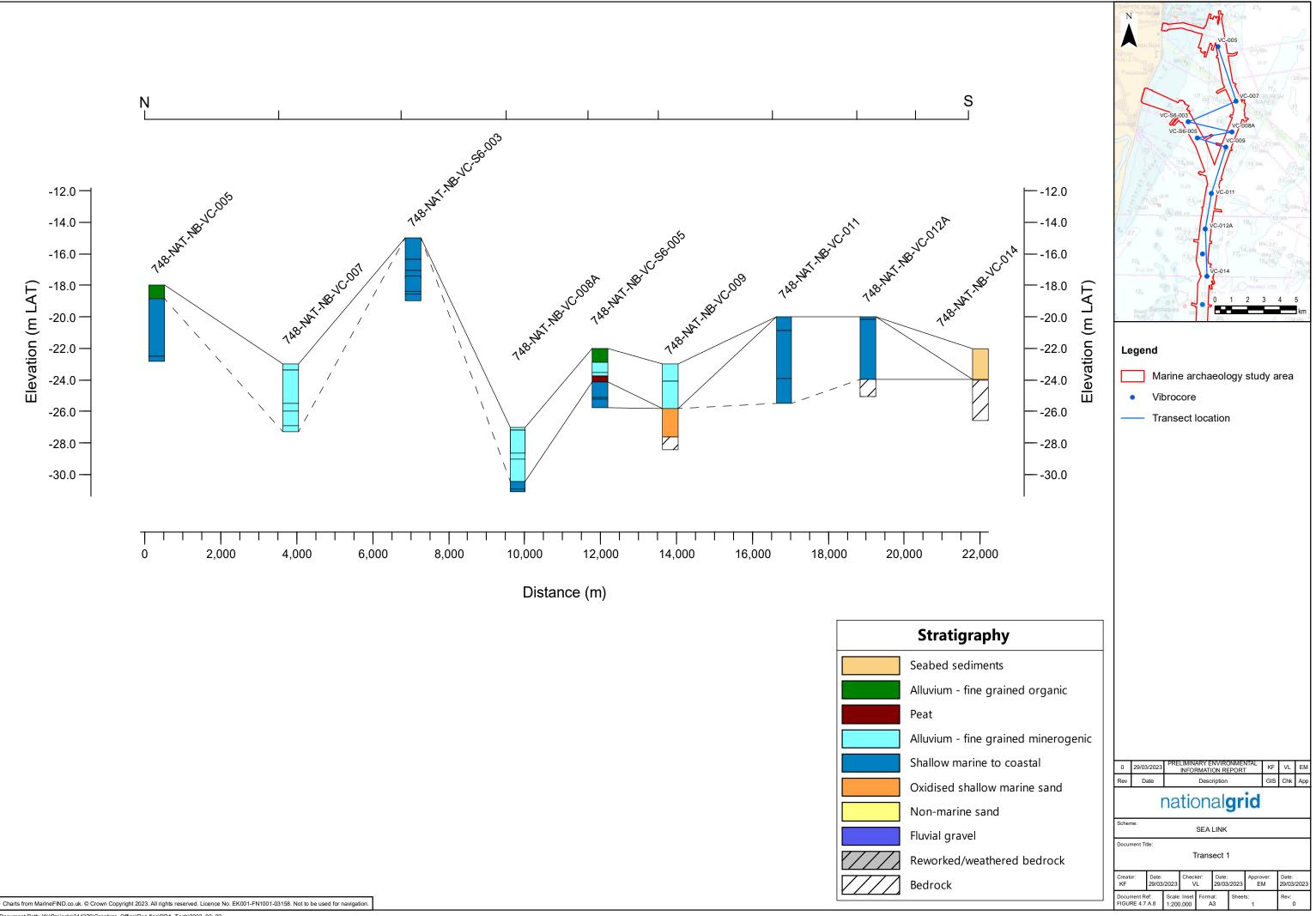


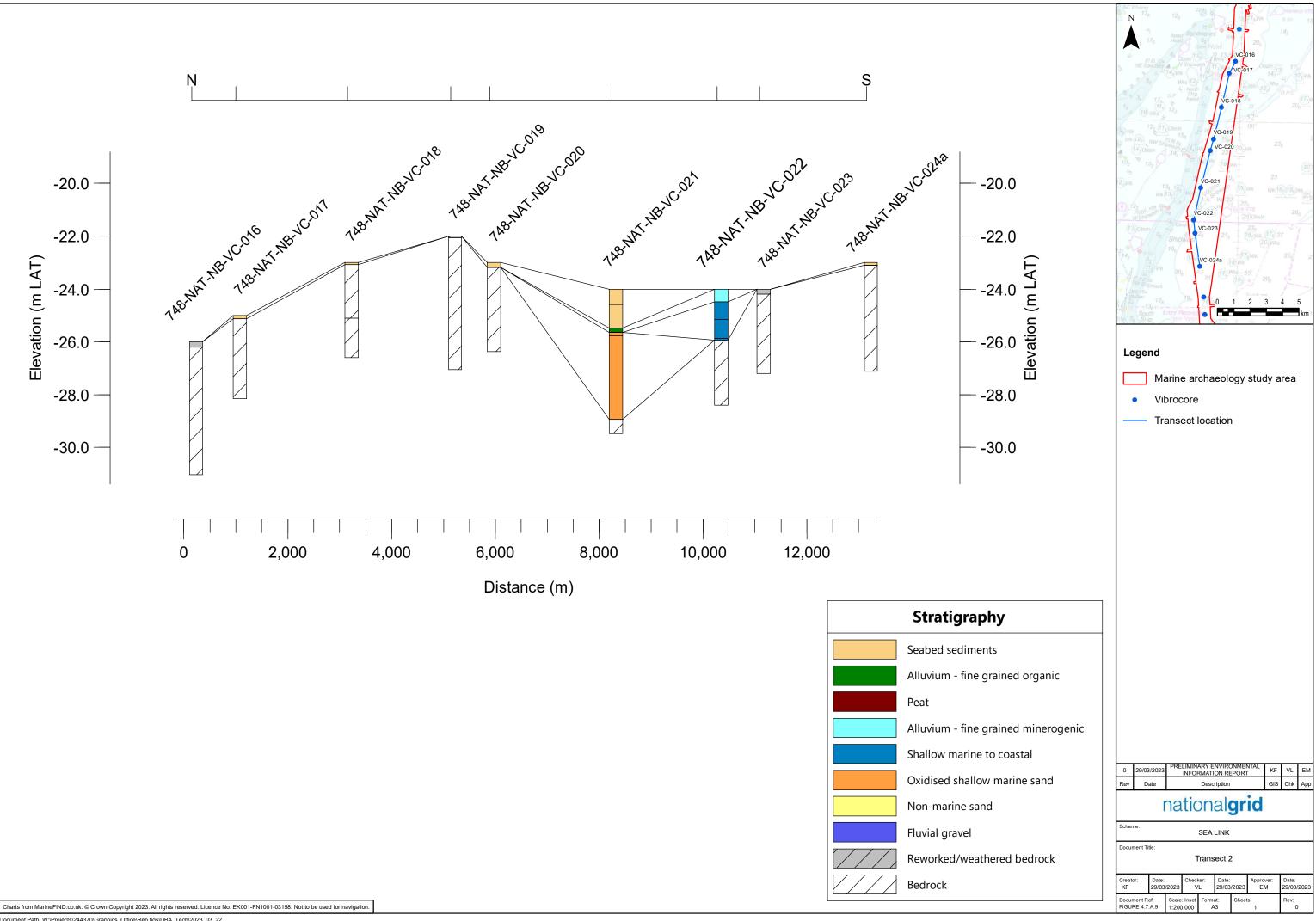
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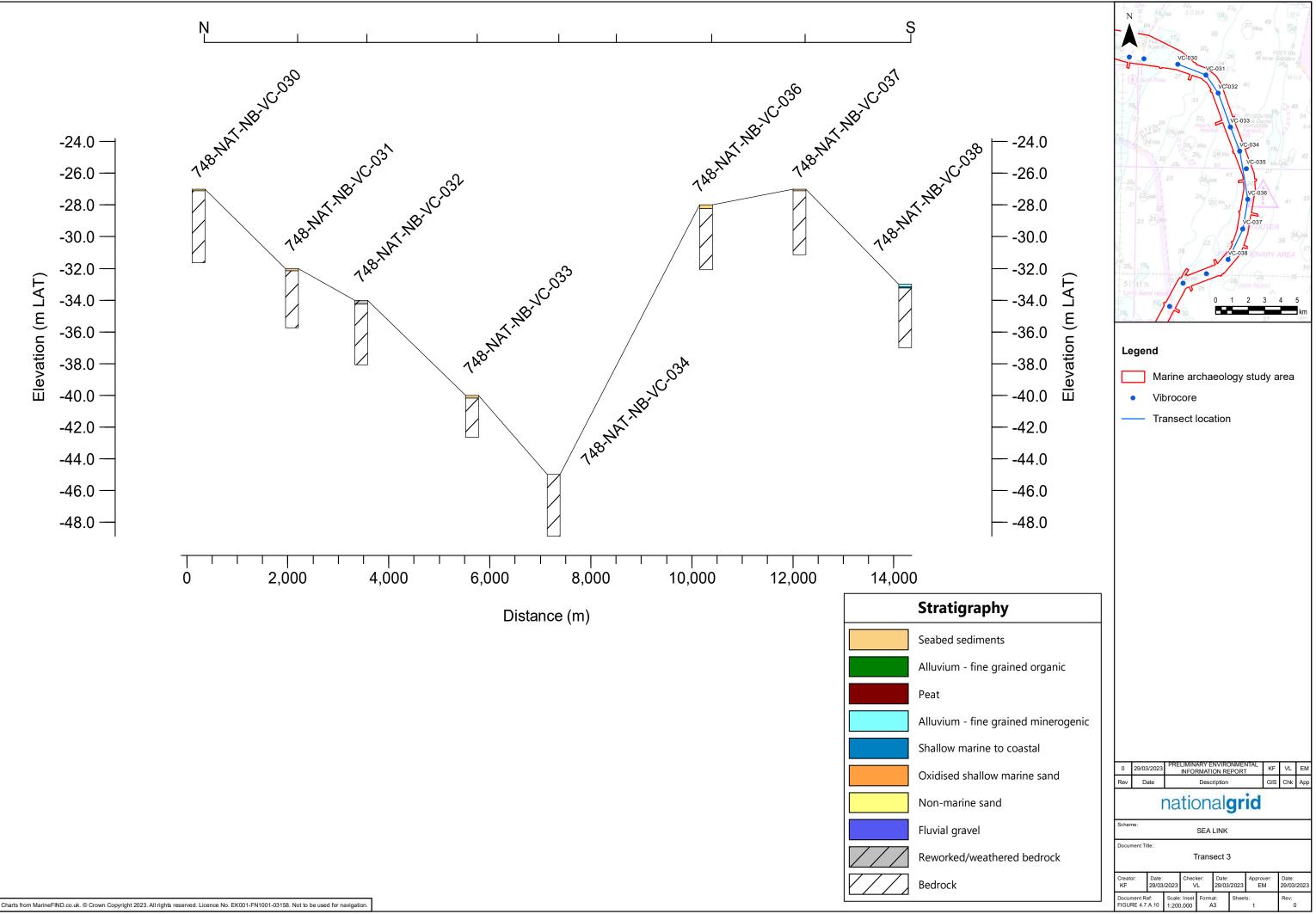
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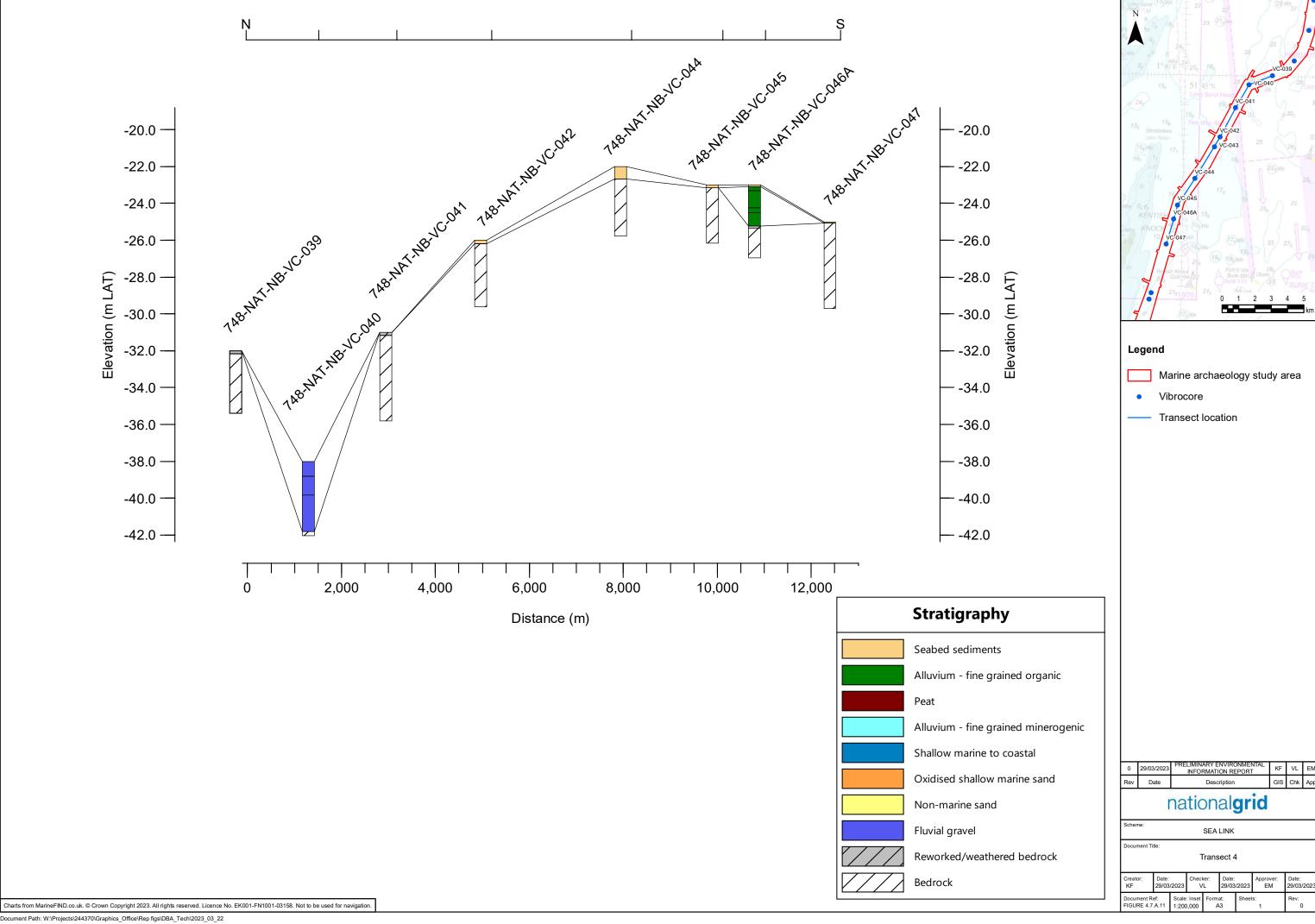


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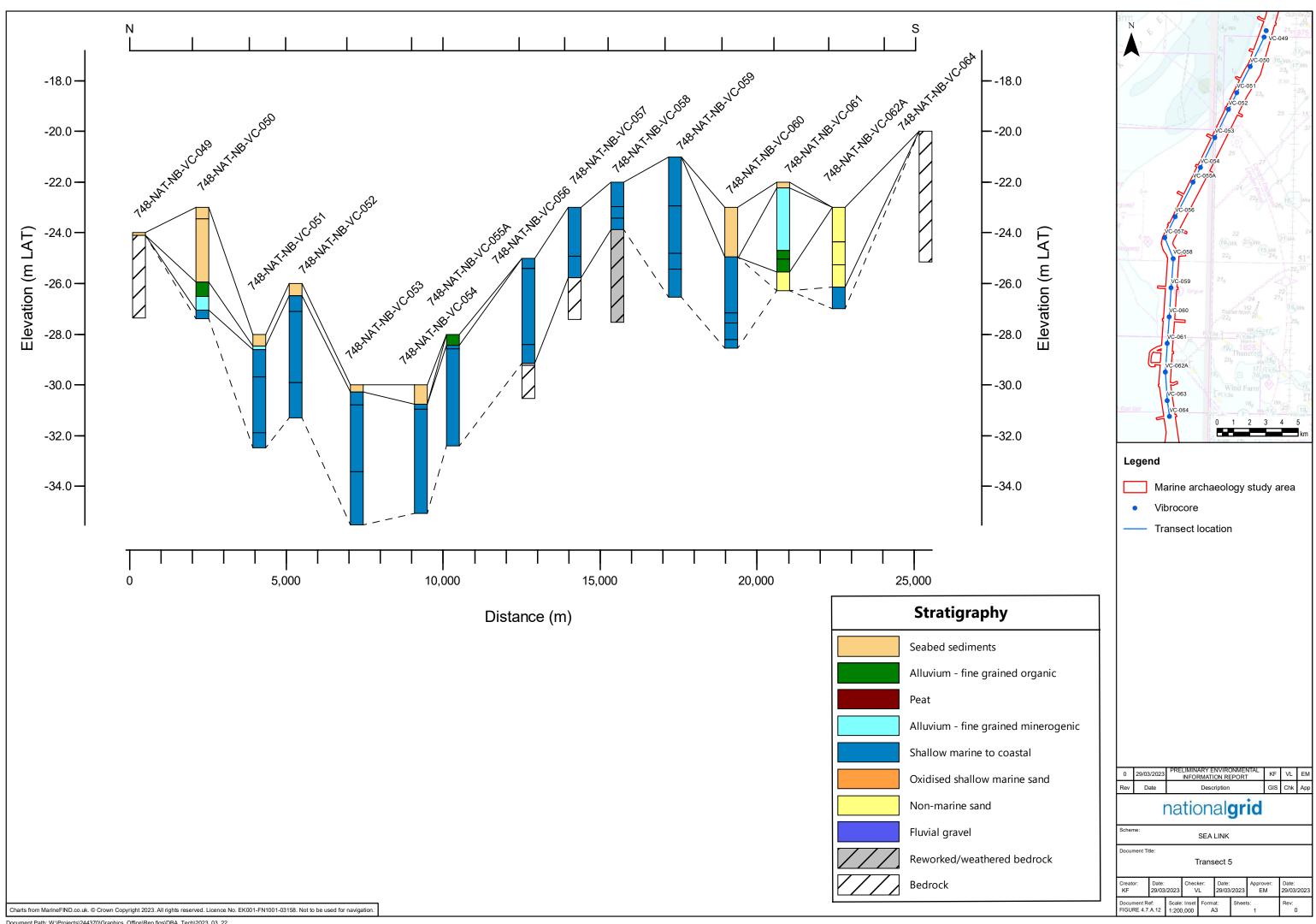


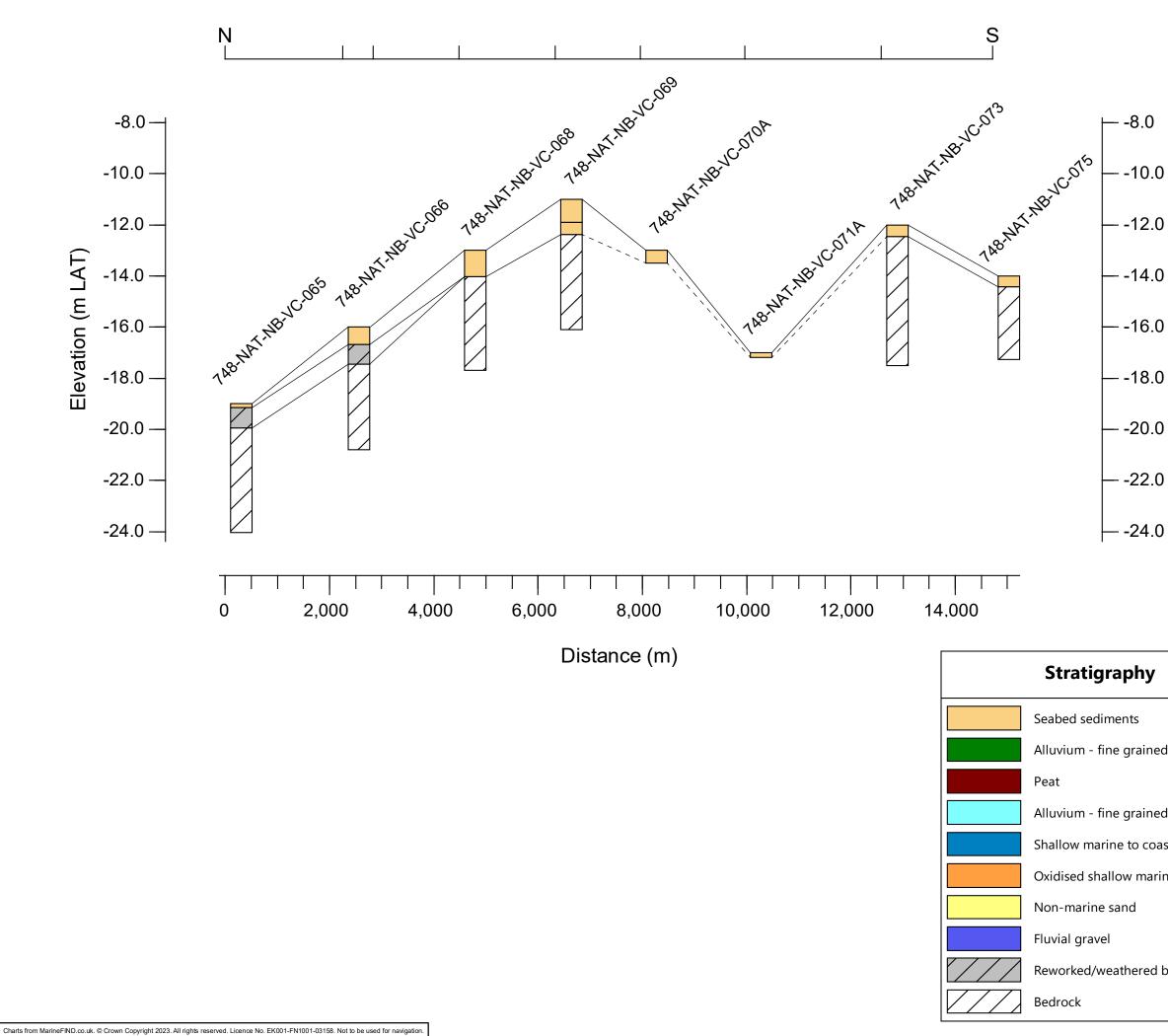




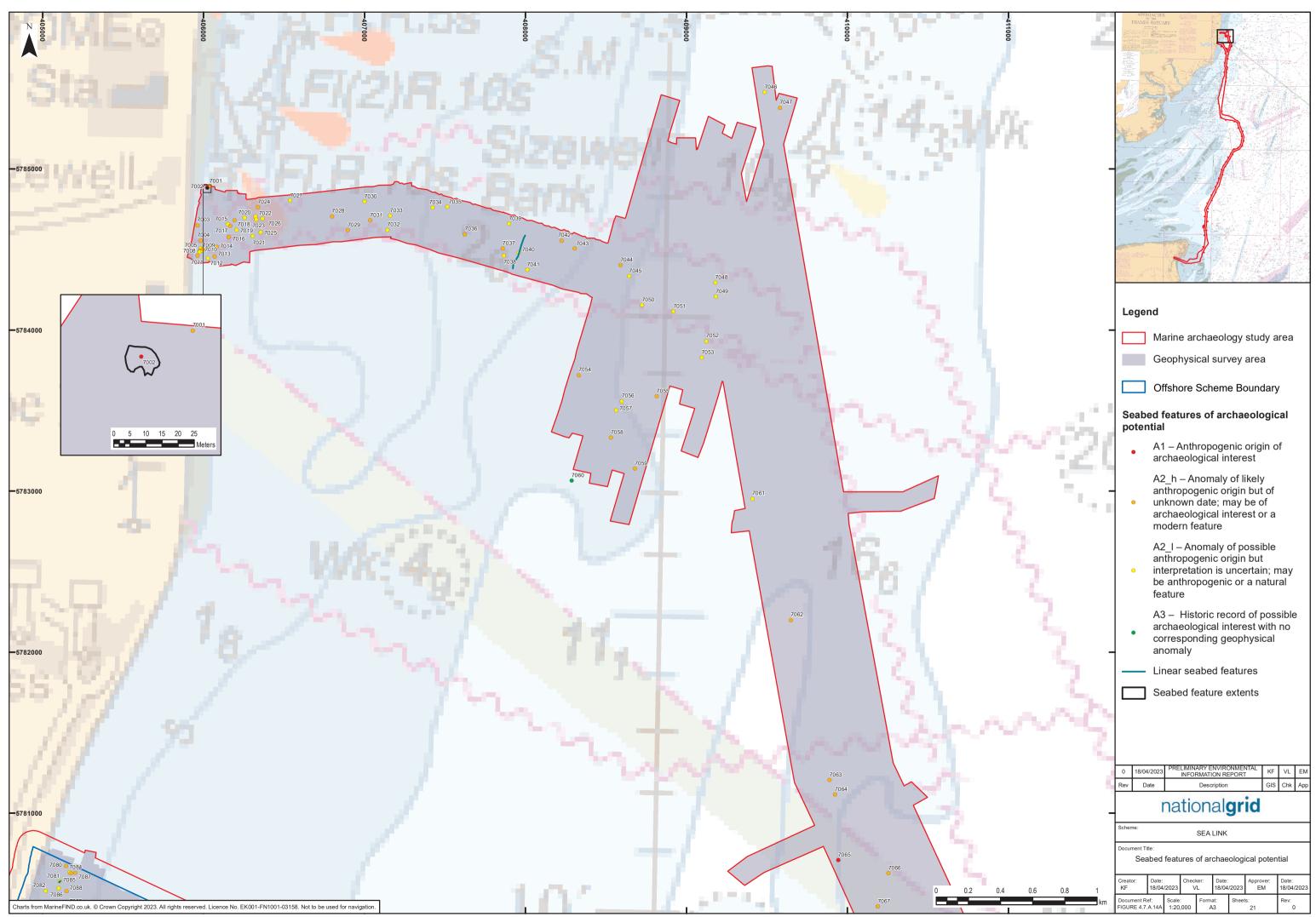


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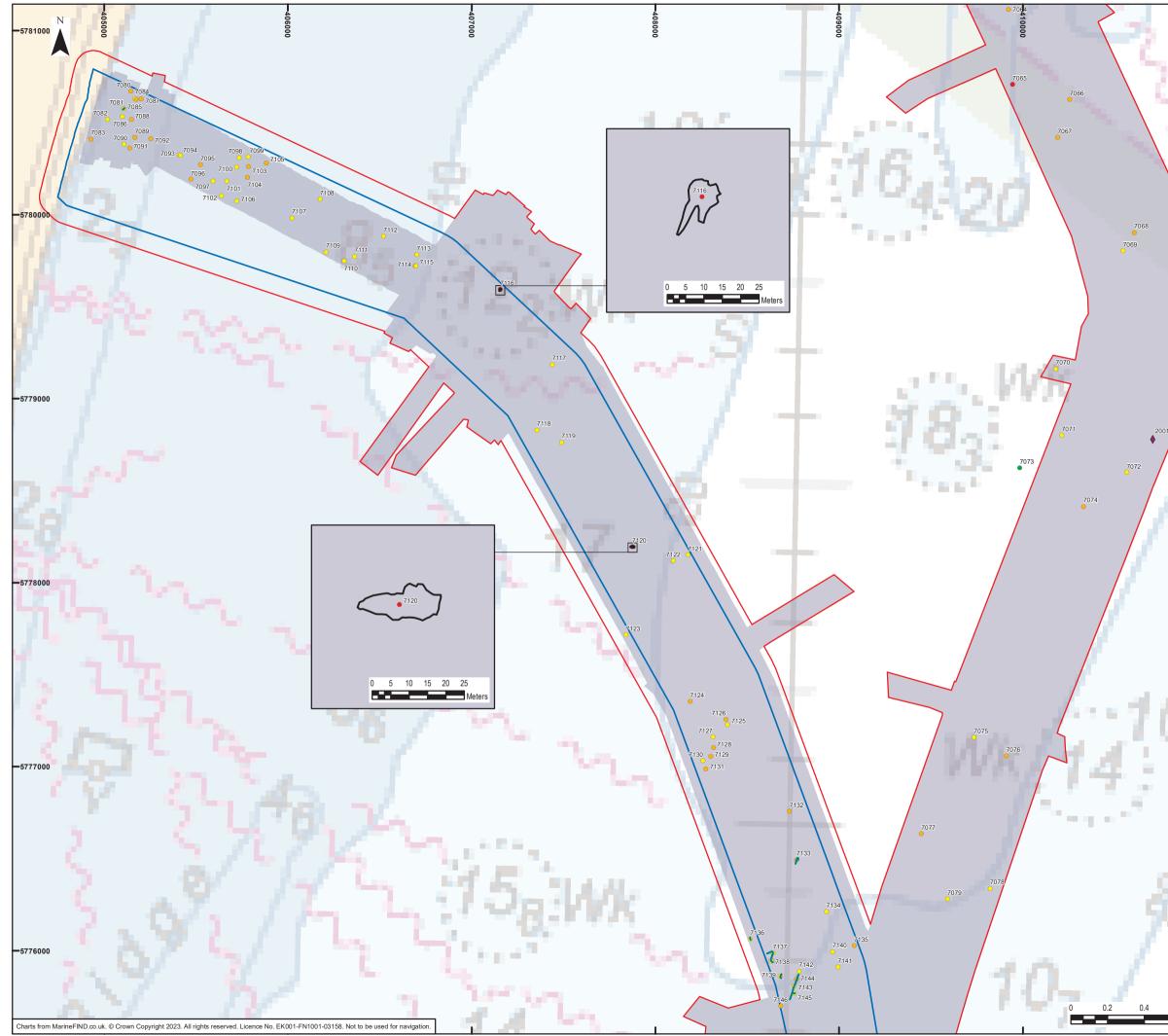




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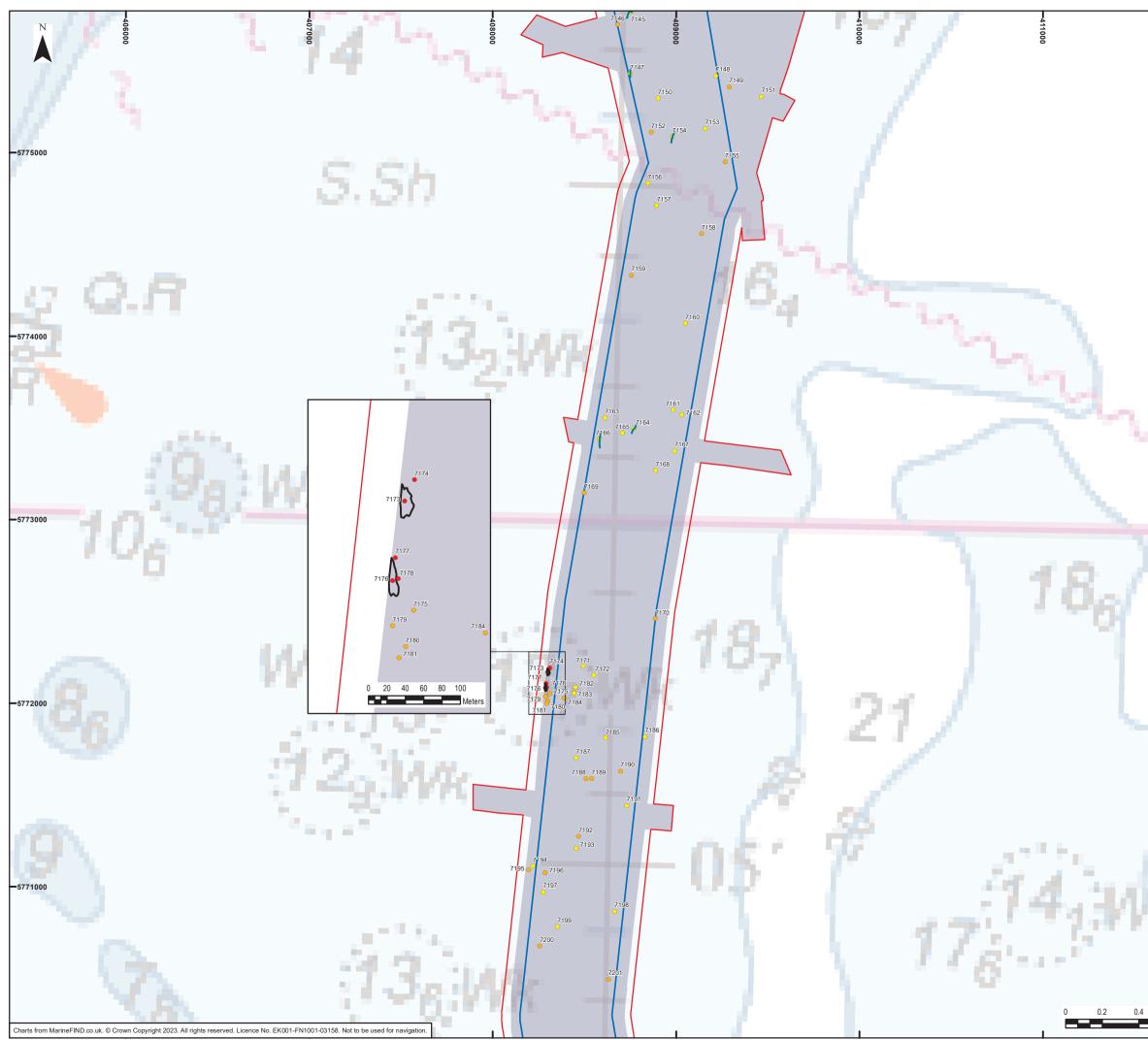


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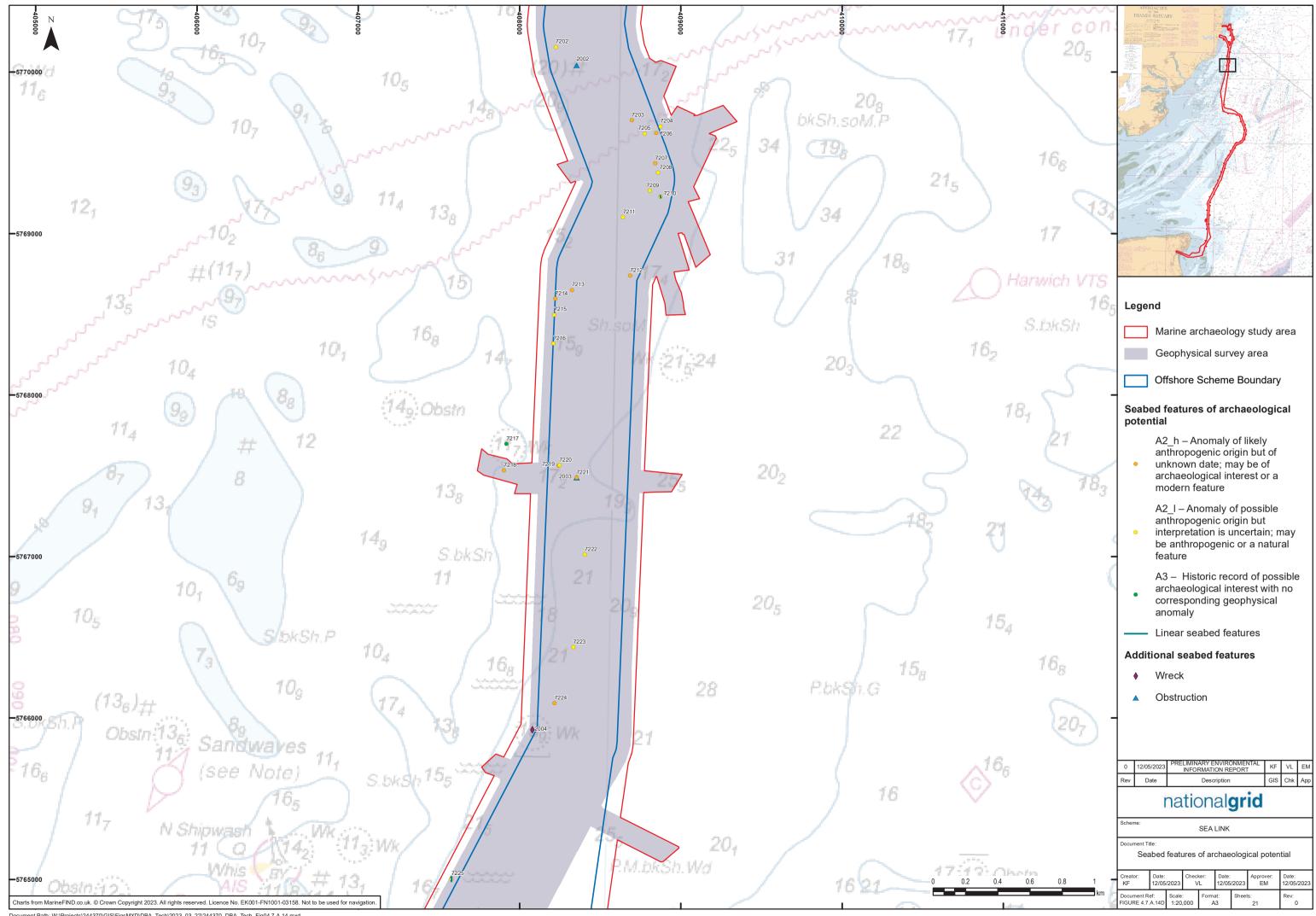
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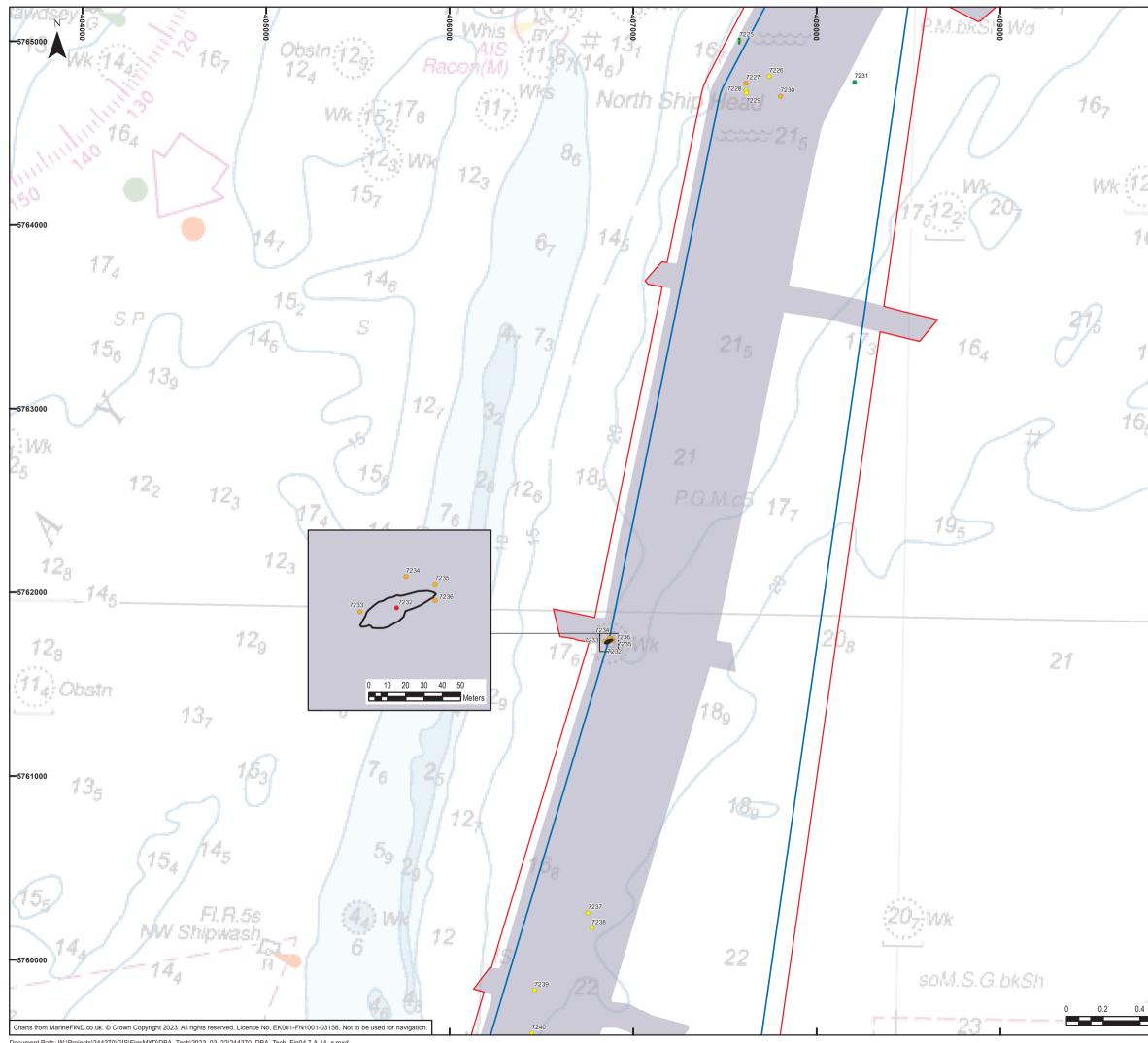


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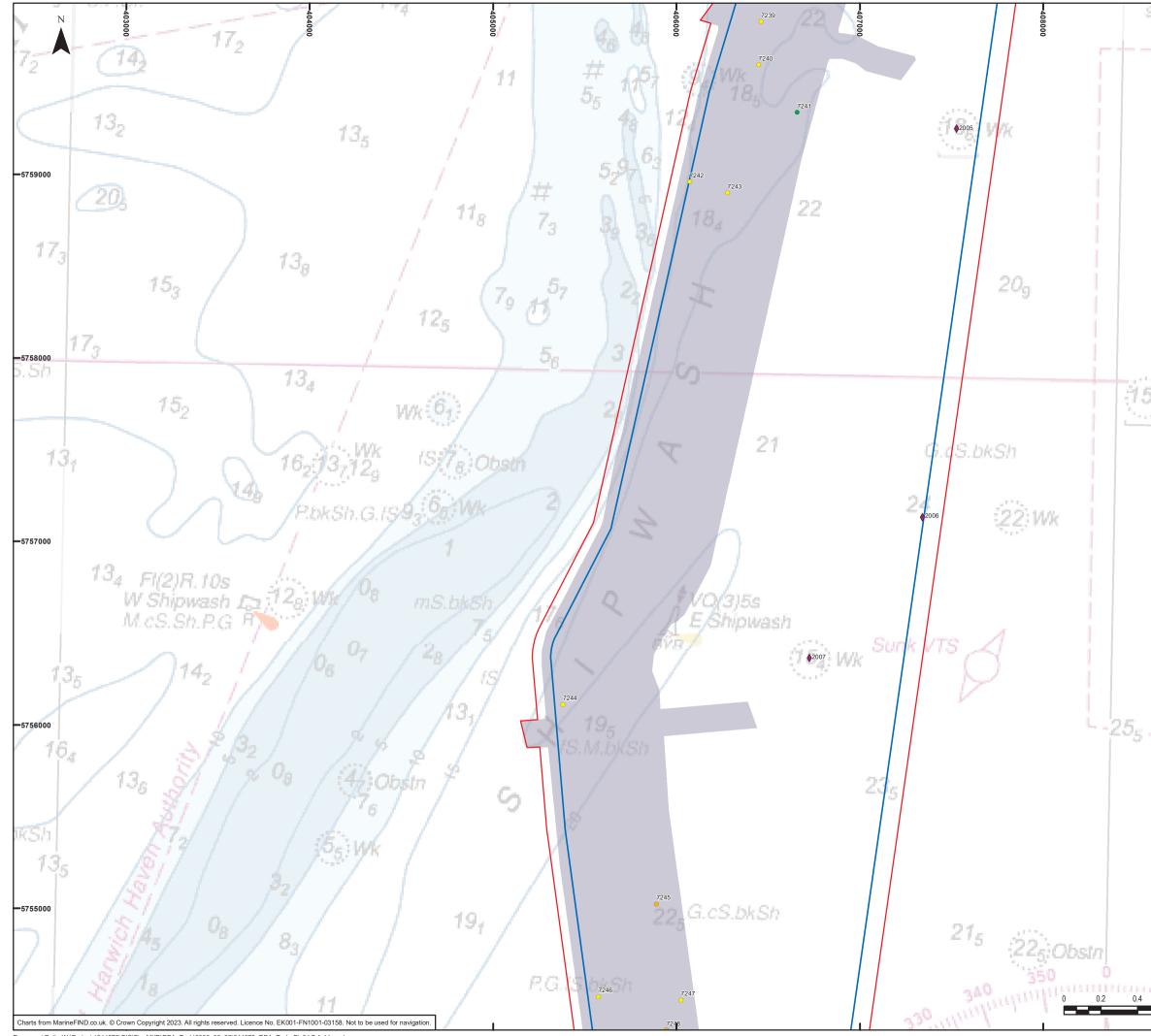


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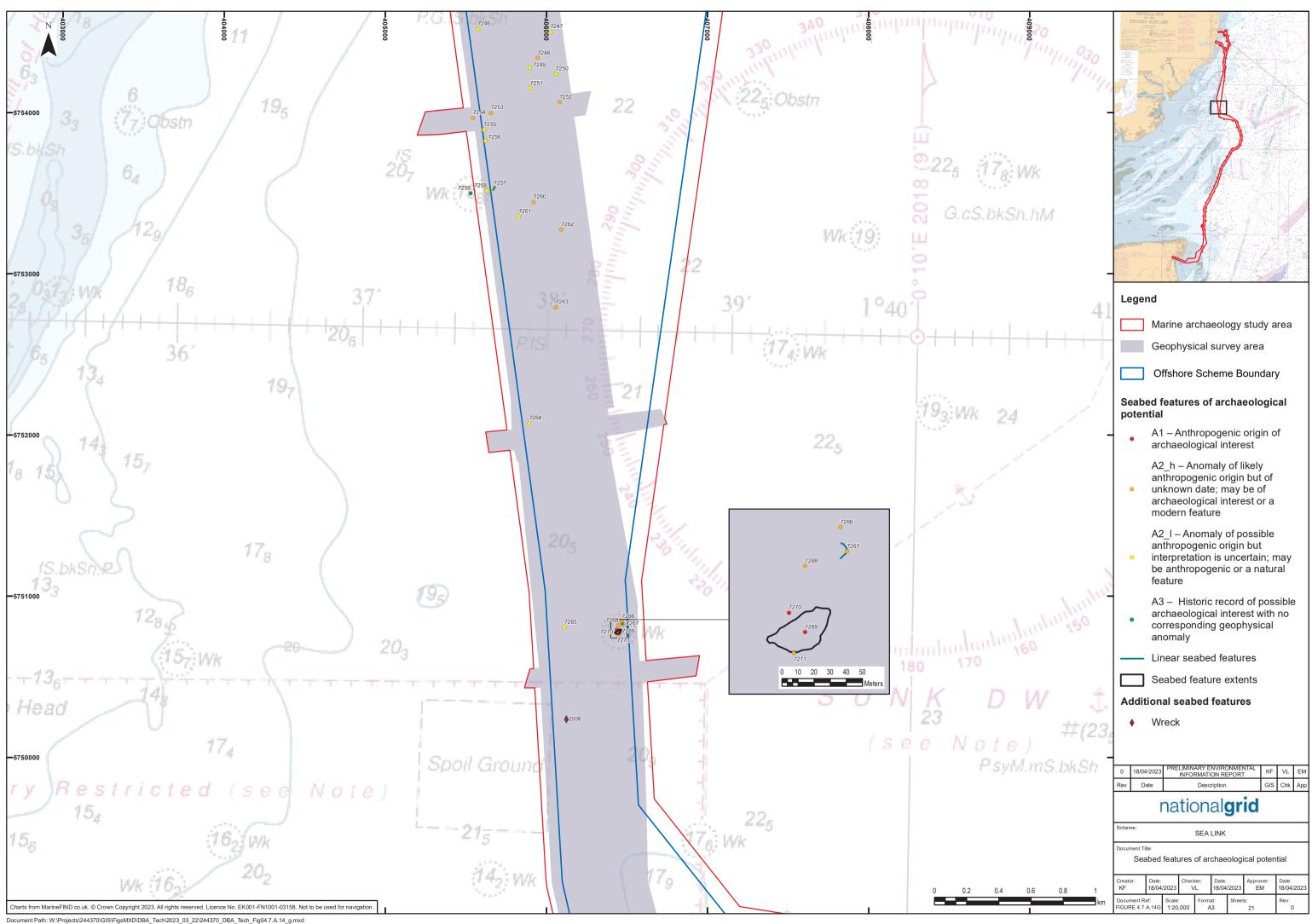
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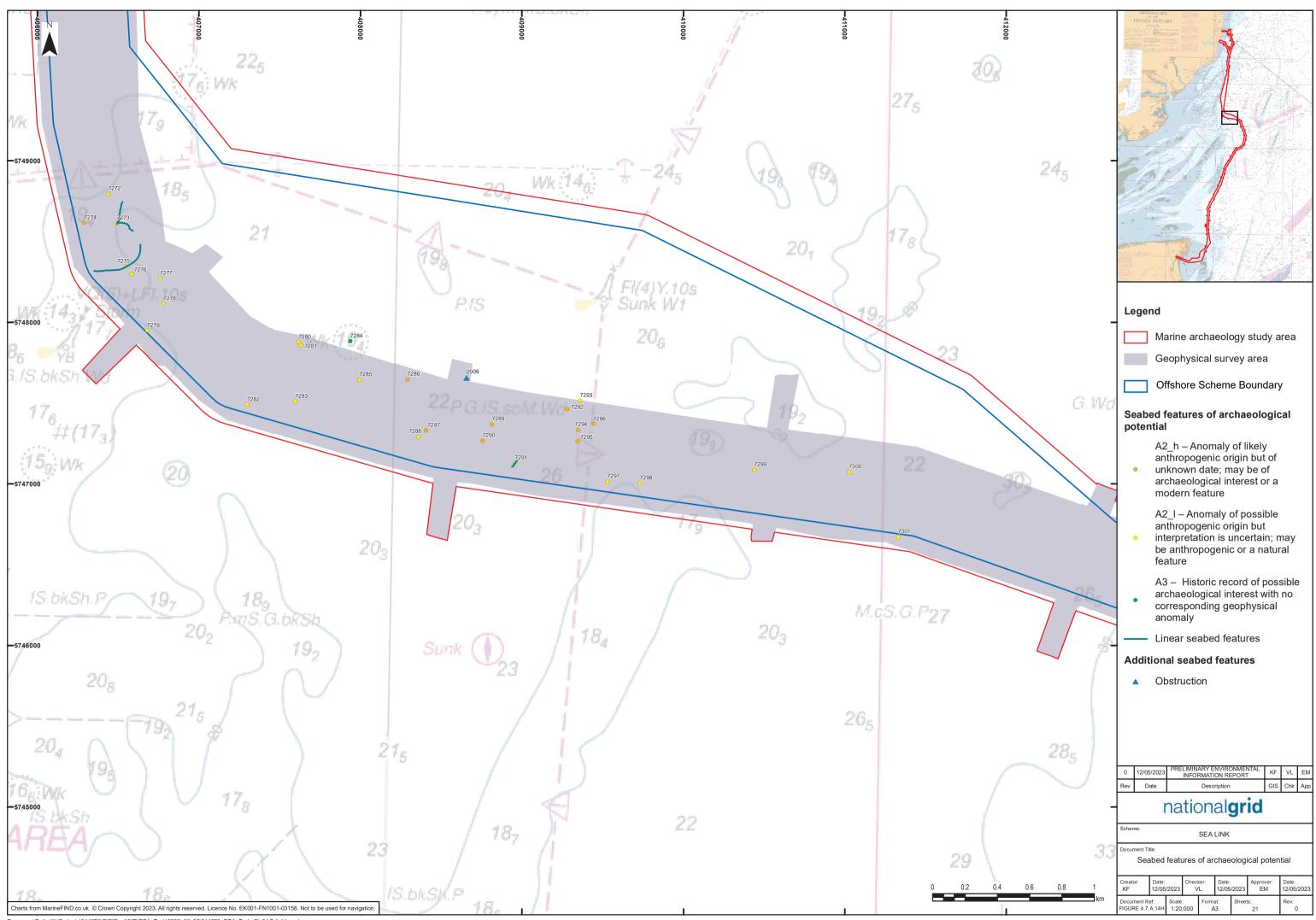
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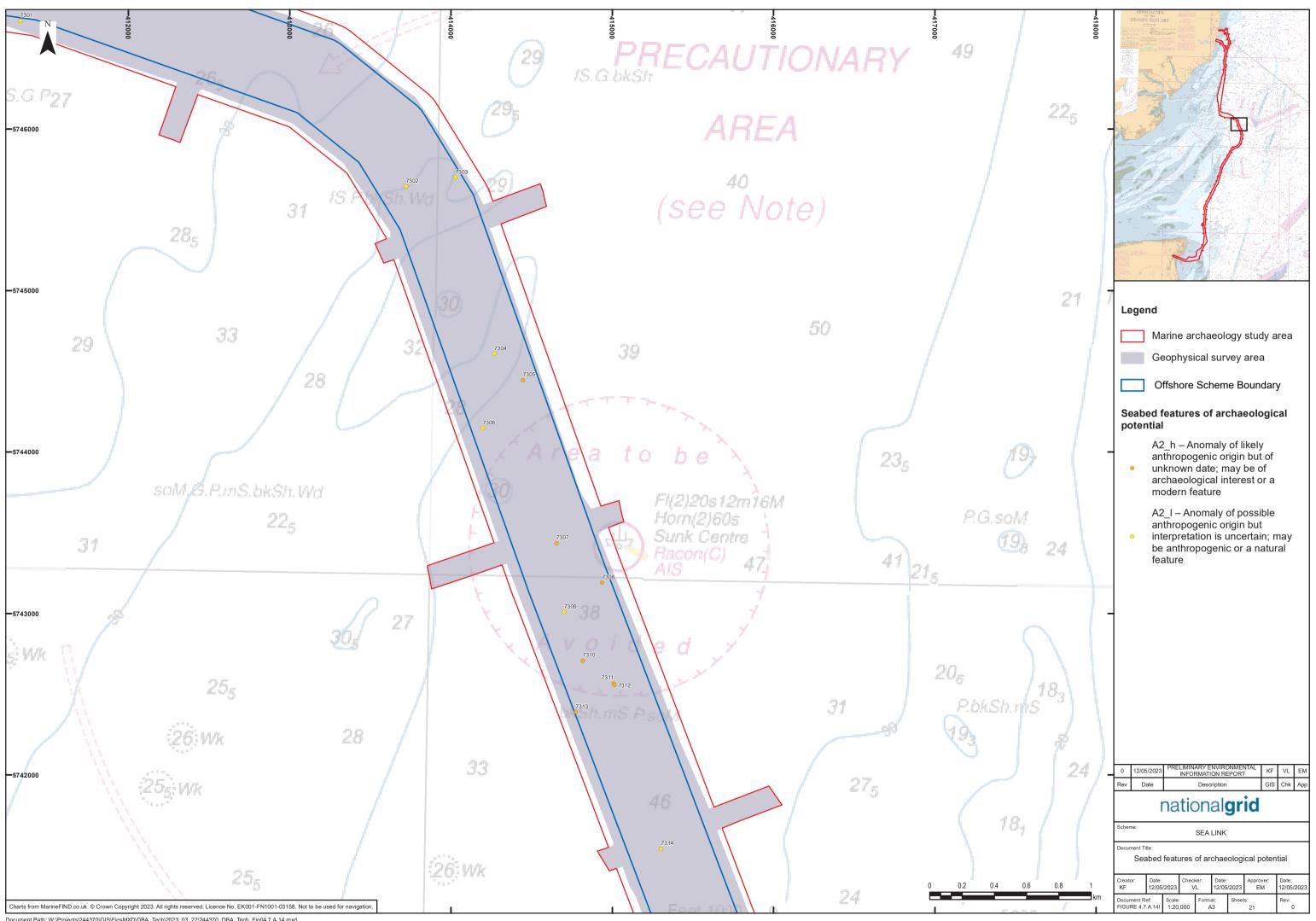
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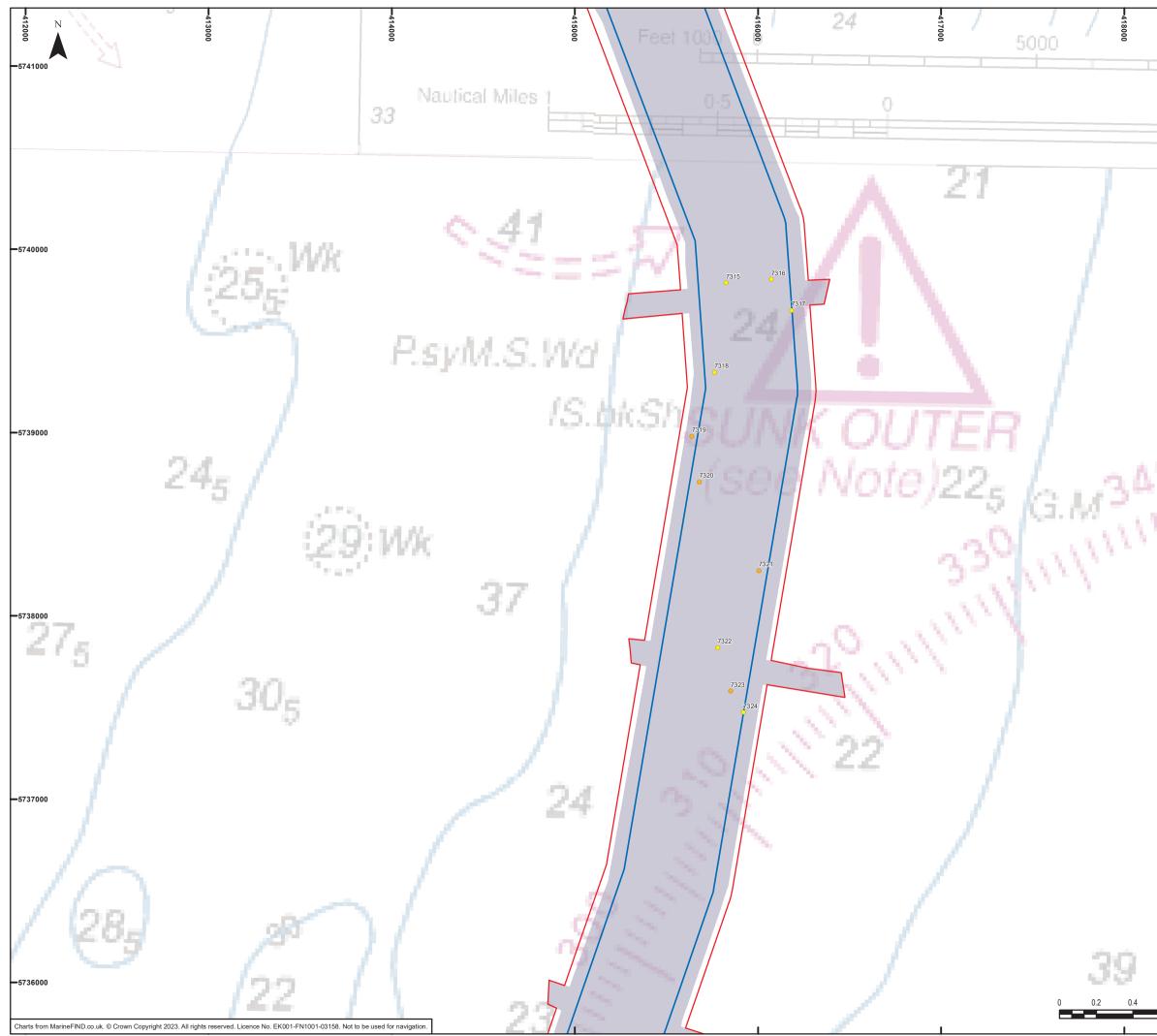




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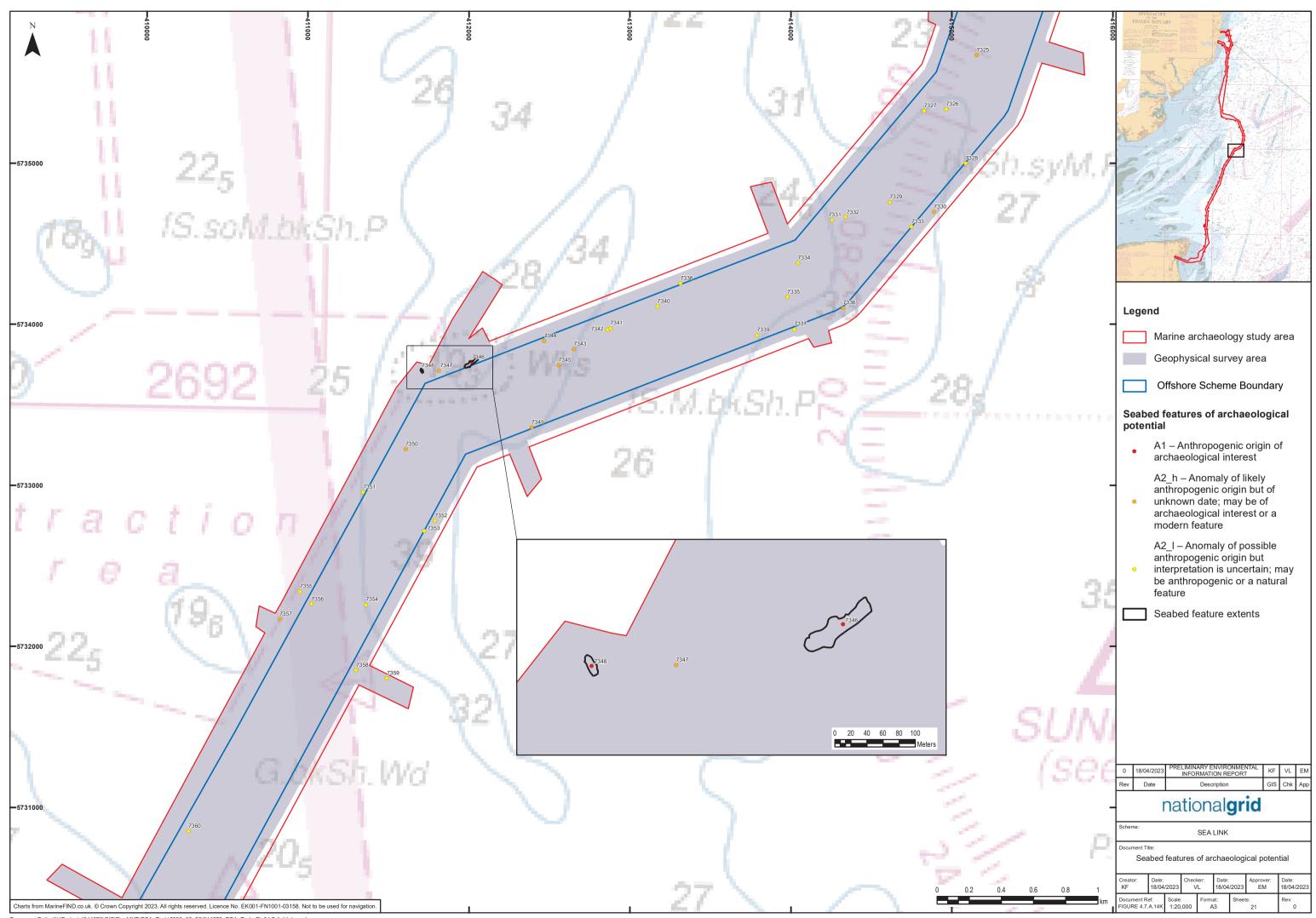


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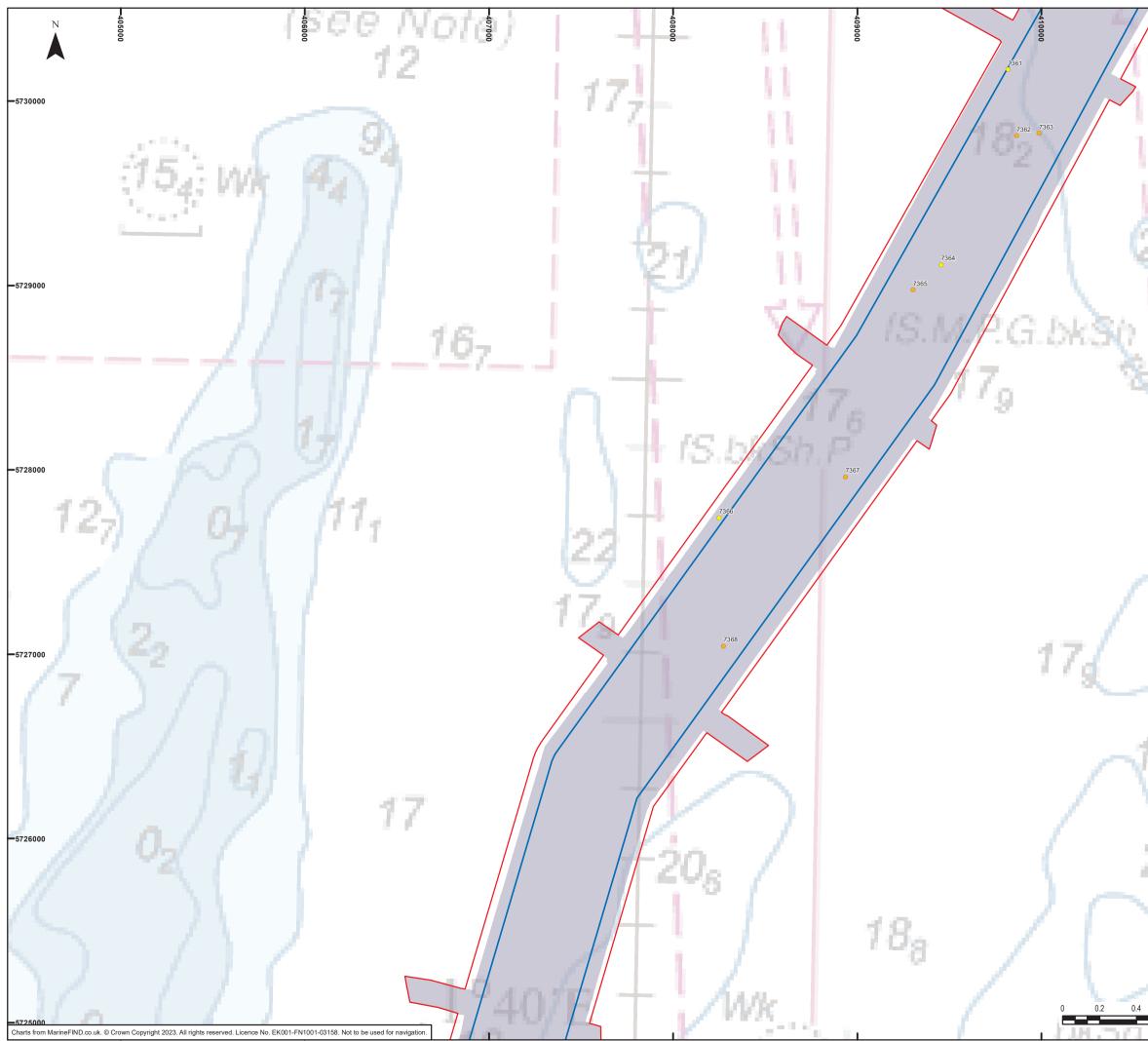


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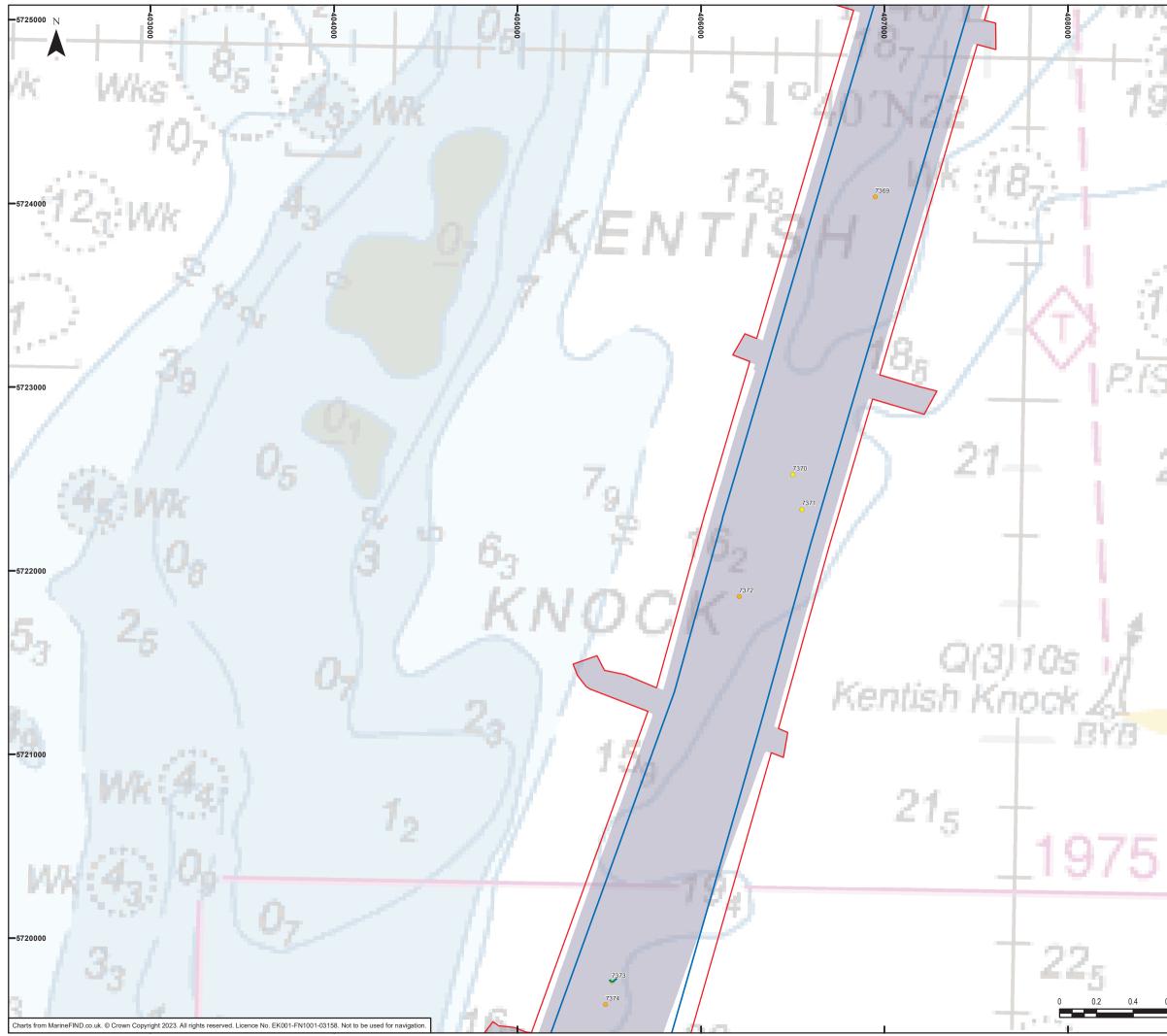


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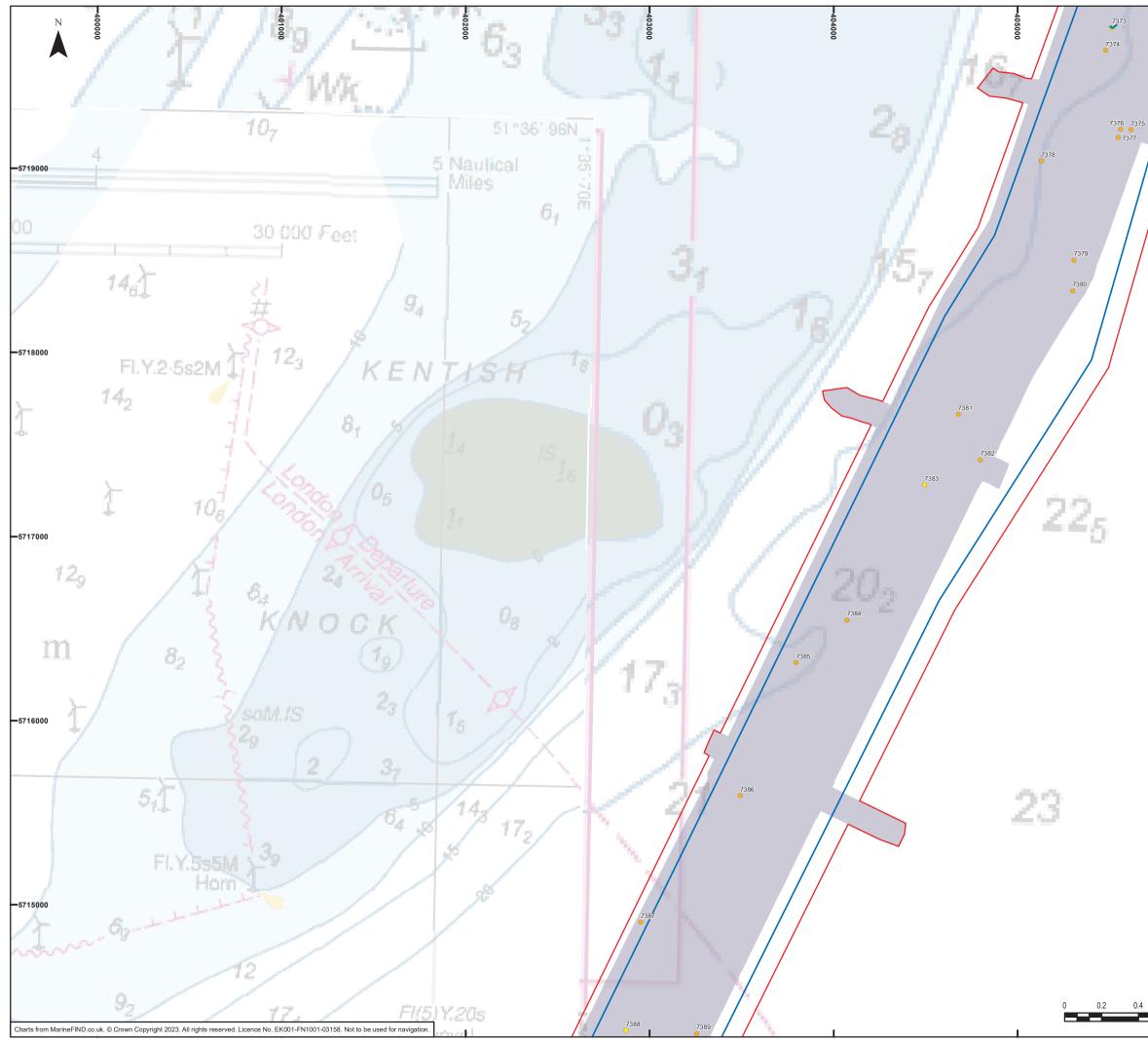
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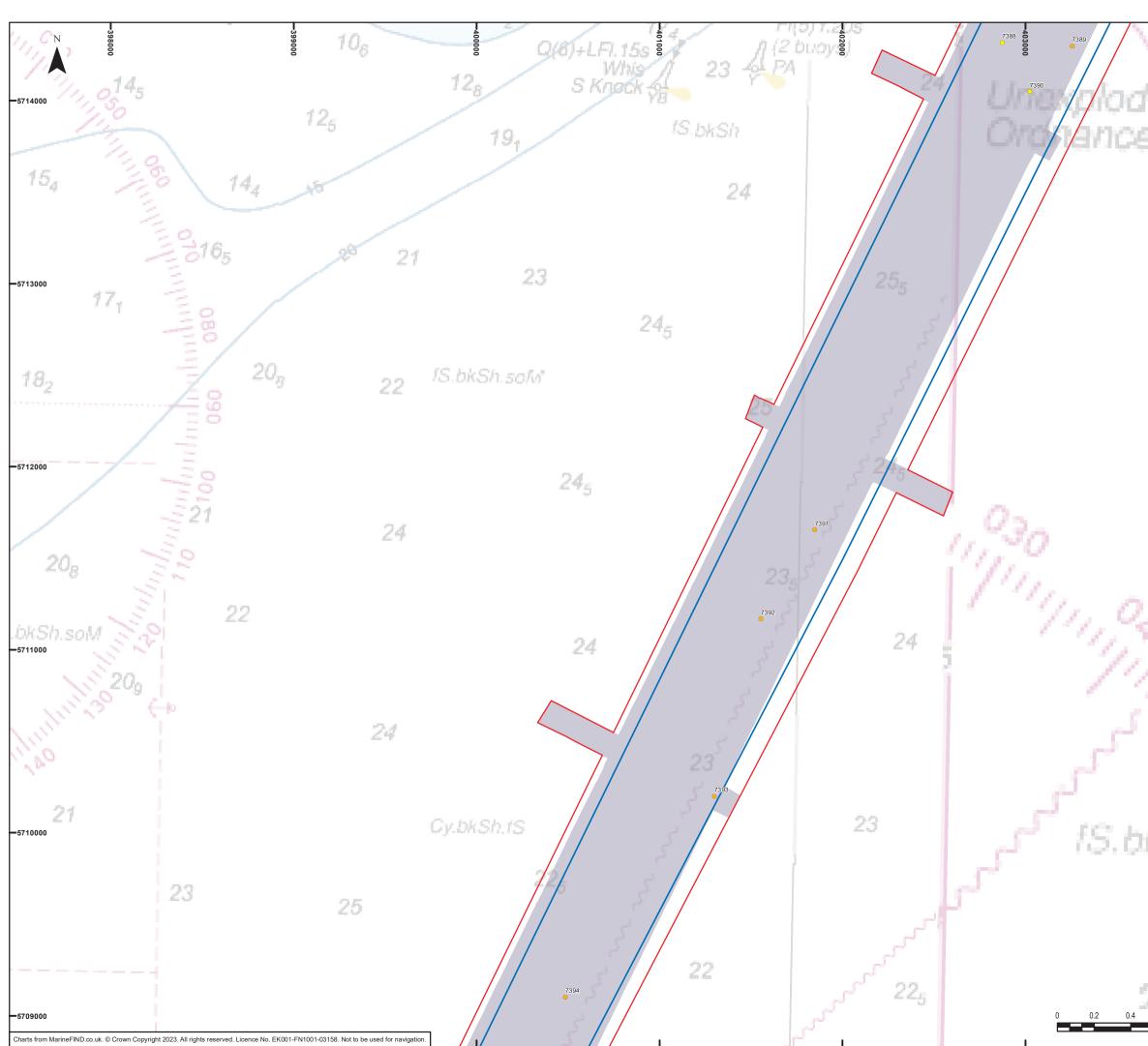
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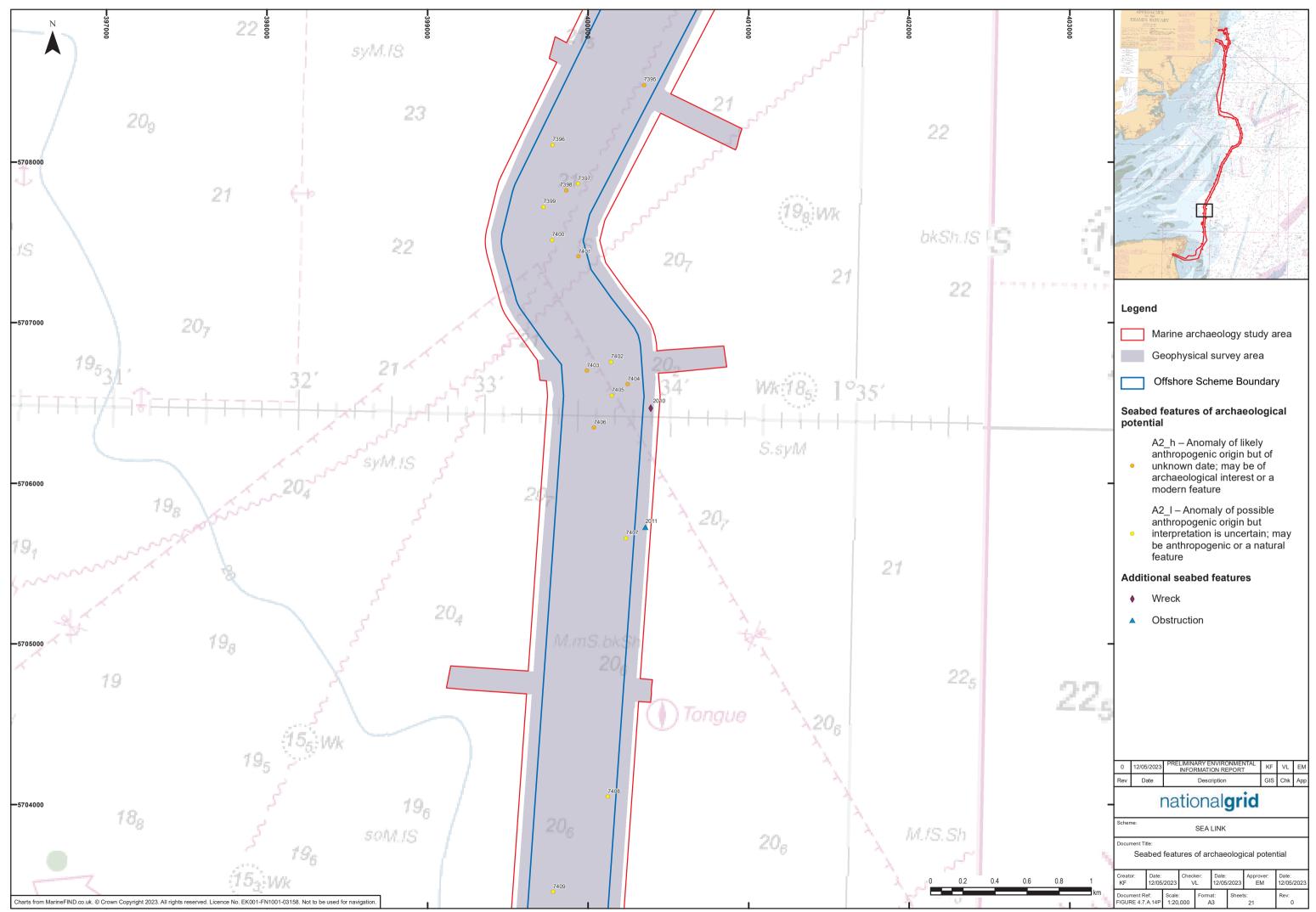
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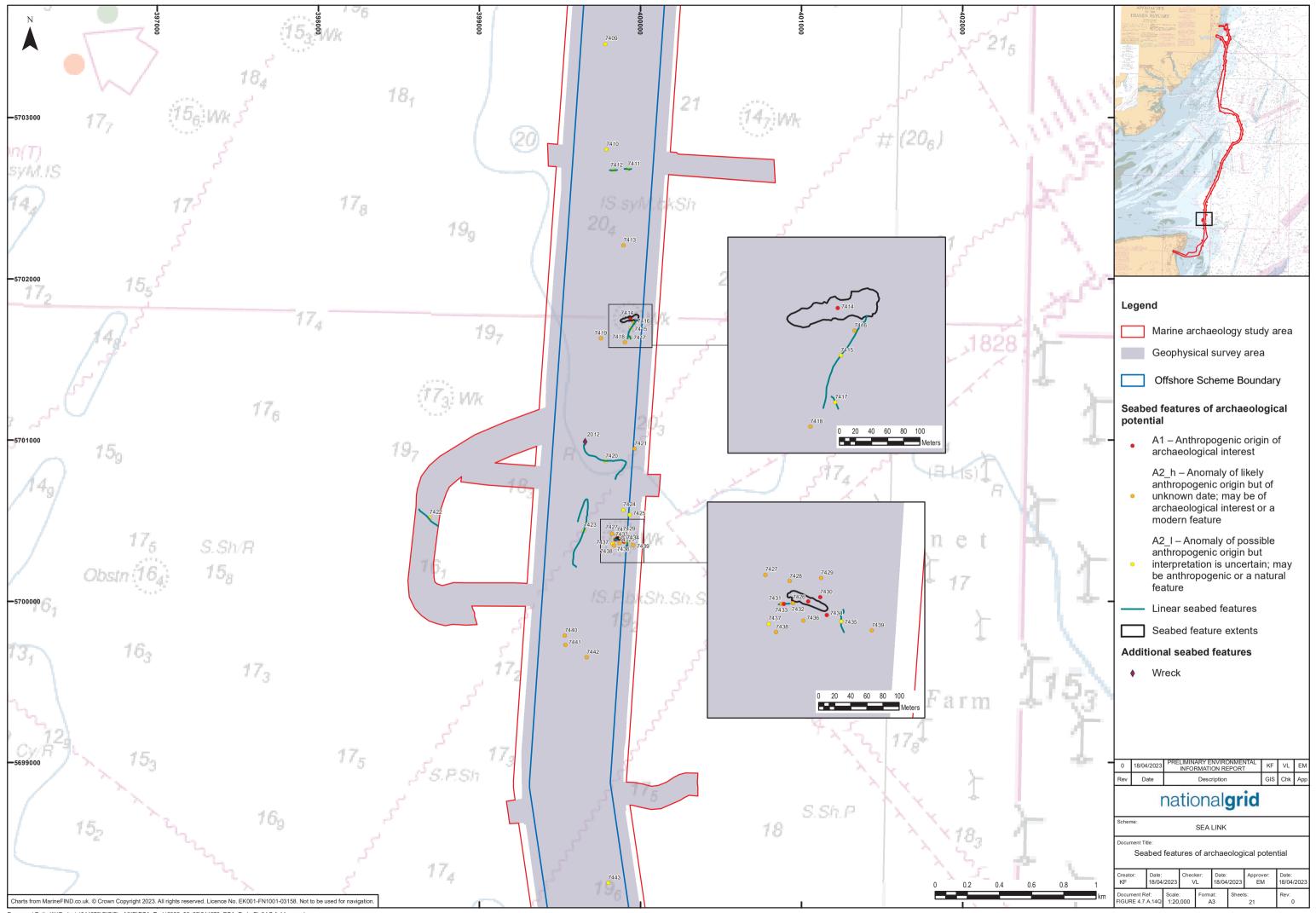


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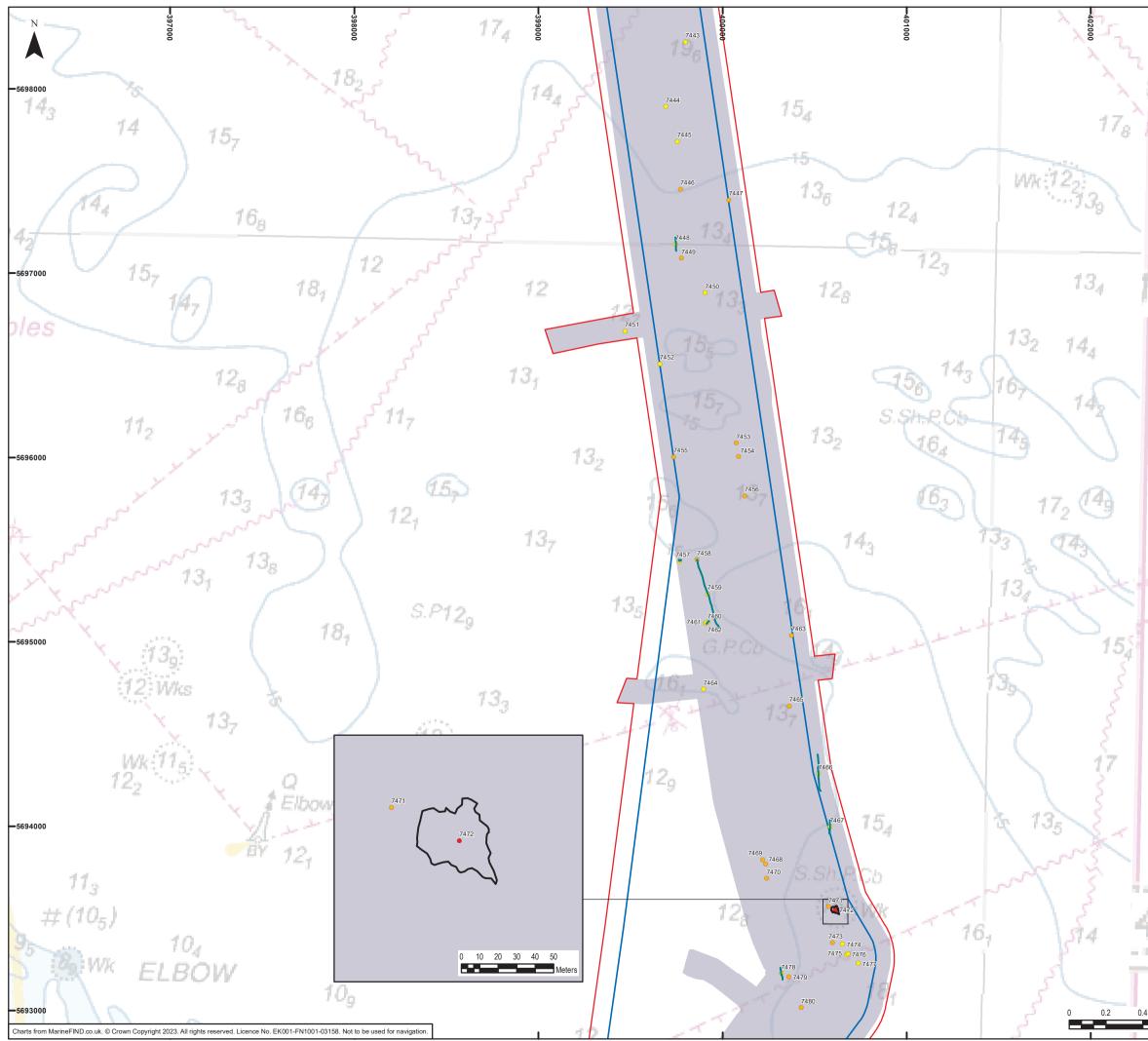
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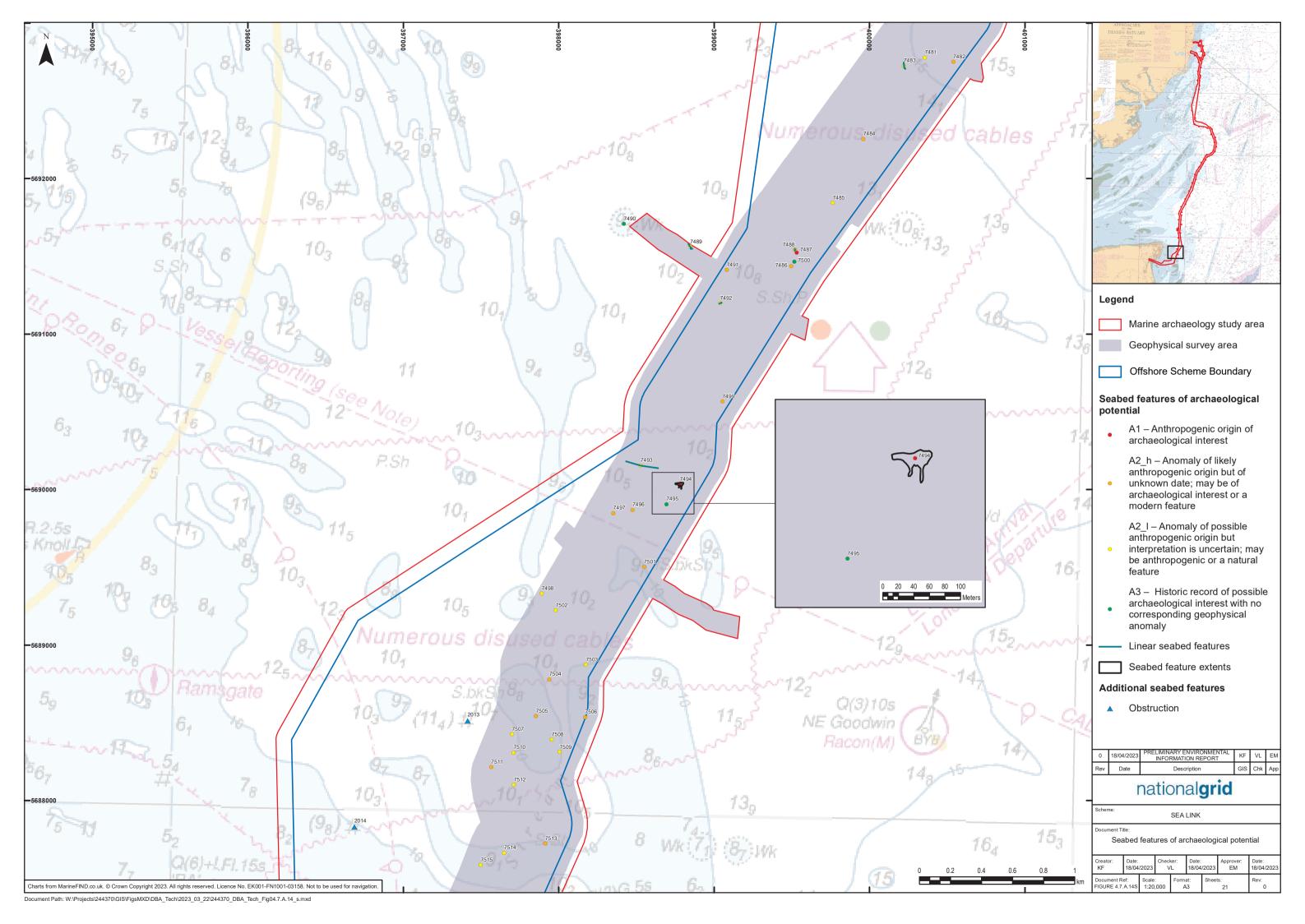


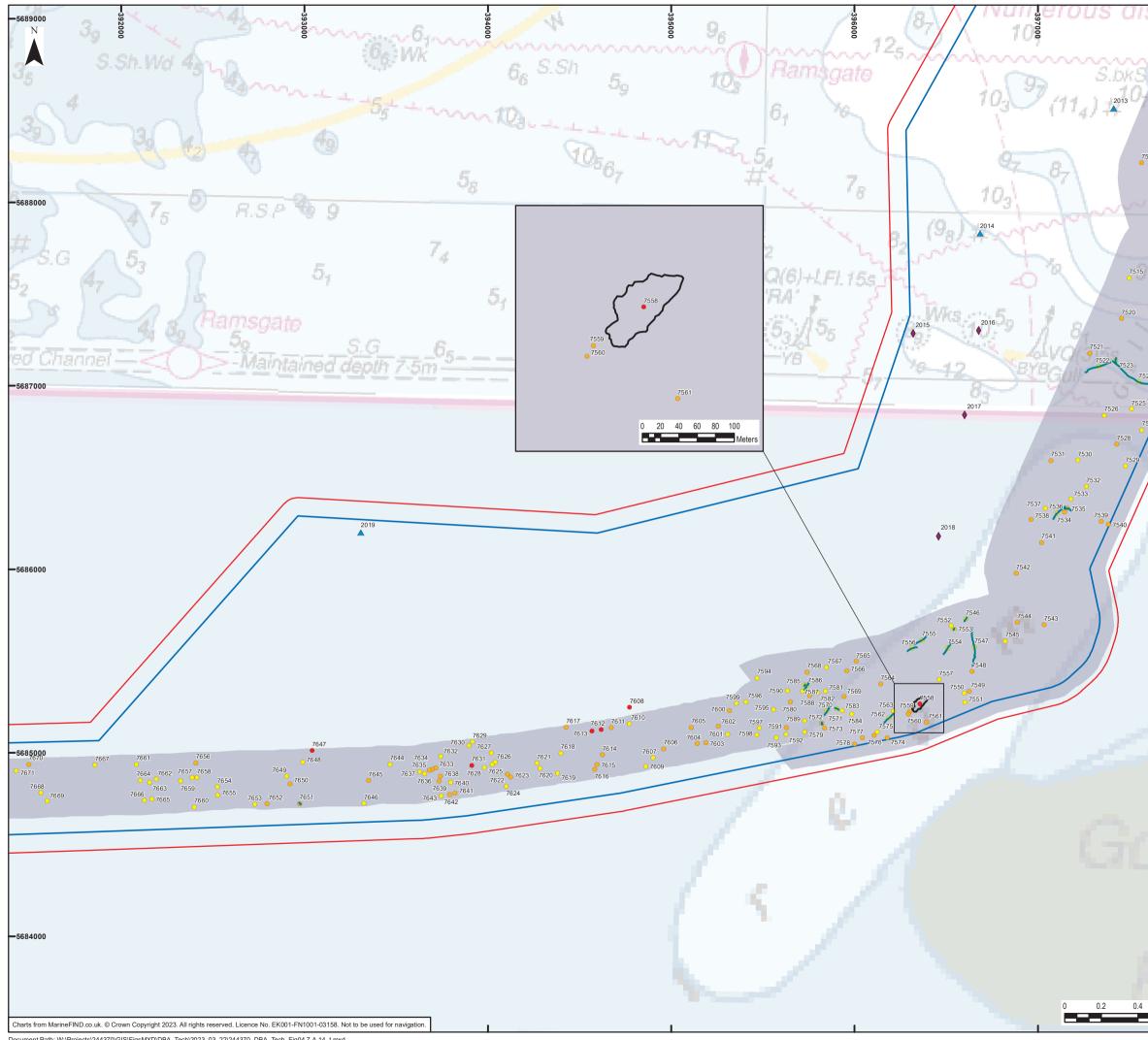
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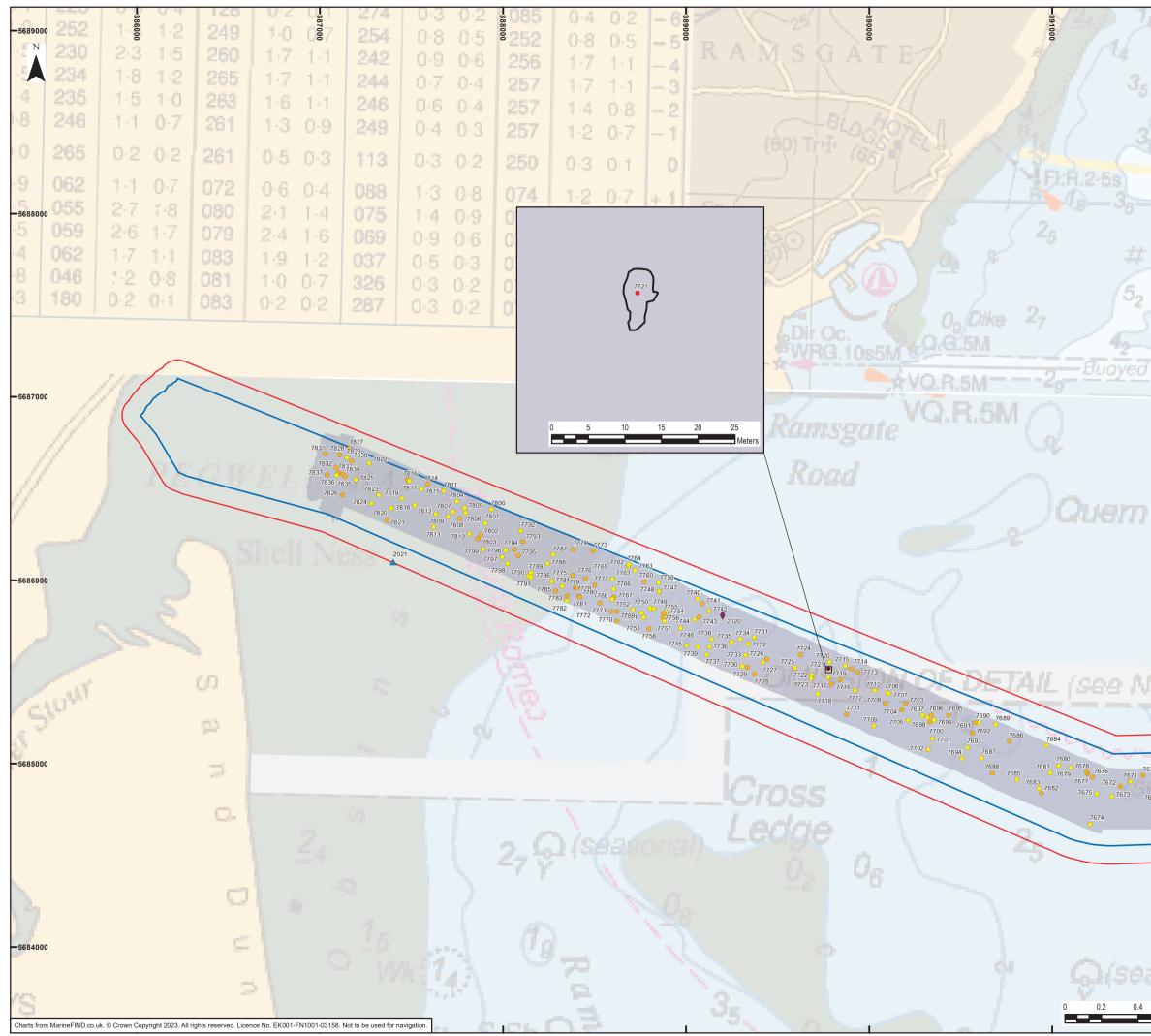
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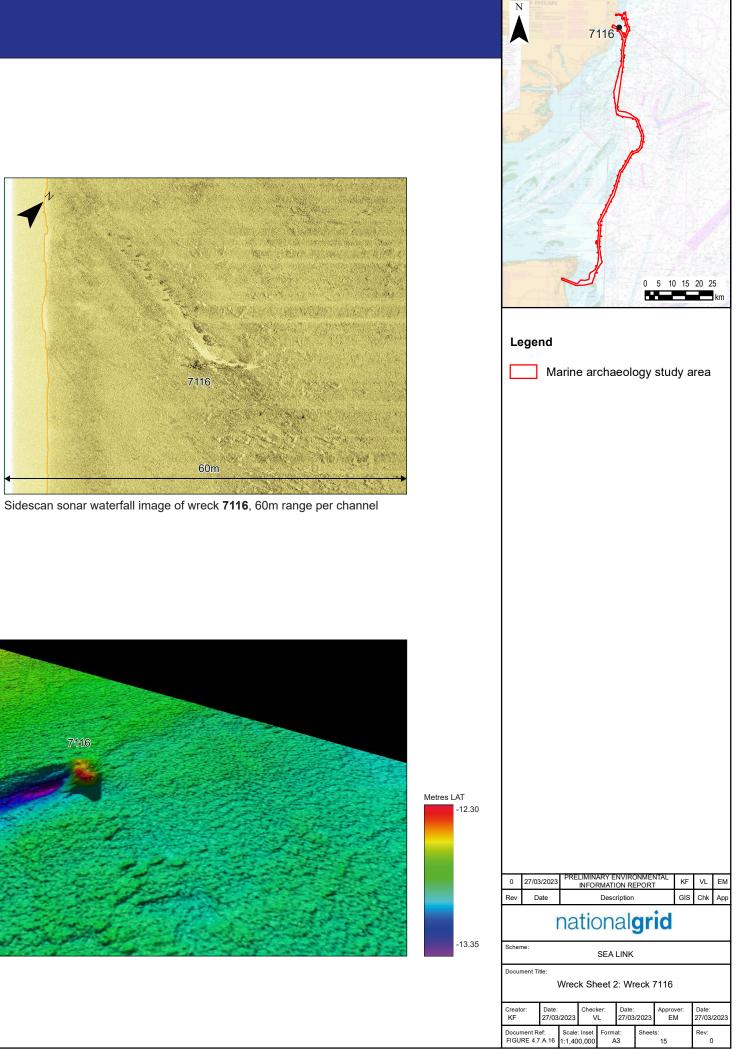


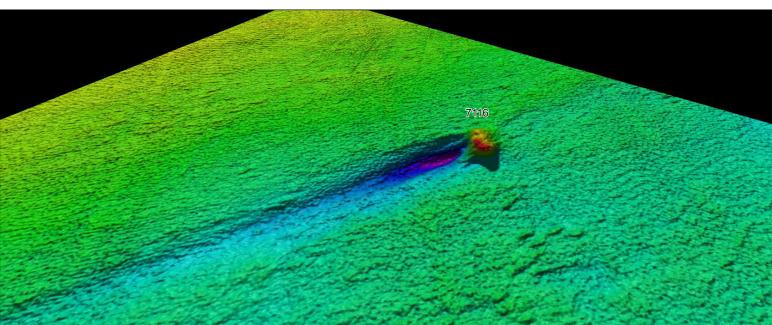
Sidescan sonar waterfall image of wreck 7002, 35m range per channel

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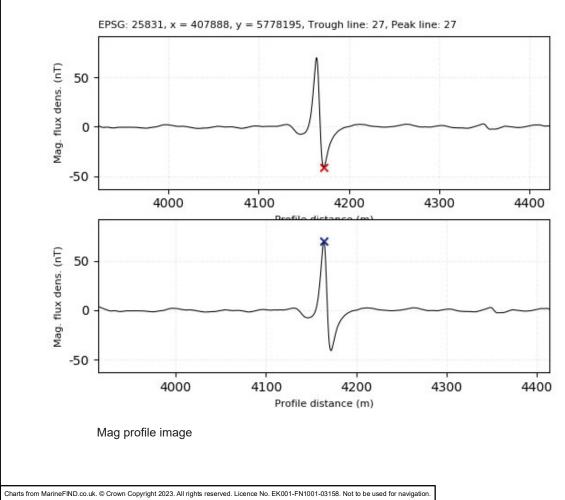
Lestien		407157 E 5779594 N	Area	Sea Link Offshore				
Location		Block 1						
Archaeol Importan		High						
Geophysical survey dimensions and notes		 Wreck 7116 is an unknown wreck that corresponds with a UKHO record (87090). The wreck is visible in the SSS data as an indistinct spread of dark reflectors with slight shadows; multiple angular objects are visible within an area of disturbed seabed. The wreck measures 15.5 x 8.4 x 0.7m and its full extent may be buried. In the MBES data the wreck is visible as a large oval mound with an uneven peak, with distinct scouring to the south measuring 25.0m long and approximately 0.5m deep. The mound's edges are indistinct which may suggest it is partially buried. No anomalous features were identified in the Mag. data at this location. 						
	Туре	Unknown						
	Construction	Unknown						
Build	Dimensions (m)	Unknown						
	Shipyard	Unknown						
Loss	Cause	Unknown						
Extent of	s Cause Unknown In the UKHO record the wreck was first identified in 2017 and had recorded MBES dimensions of 10.2 x 5.0 x 1.0m. In the 2021 geophysical data the wreck has no distinguishable characteristics, the larger 2021 geophysical dimensions may indicate the wreck is periodically burier							

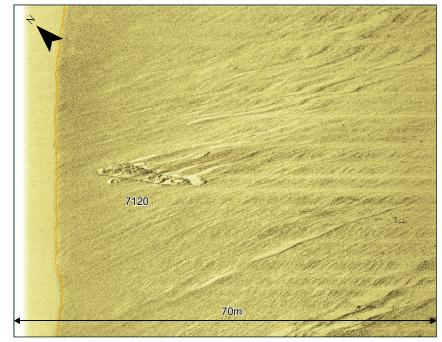




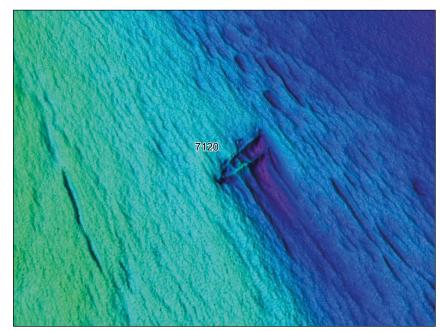
MBES grid image, x 1 vertical exaggeration, looking north-west

Location		407875 E 5778194 N	Area	Sea Link Offshore Block 1		
Archaeol	ogical Importance	High		·		
	ical survey ns and notes	 Wreck 7120 is an unknown and unrecorded wreck. In the SSS data the wreck is visible as a large oval shaped thin curvilinear dark reflector interpreted to be the hull, with bright irregula shadows across its length, indicating uneven height. Internally, indist angular and short and straight dark reflectors with shadows are visib that may be surviving deck structure. The wreck is situated in an are mobile sediments and measures 22.2 x 9.9 x 0.4m. In the MBES data one end of the wreck is visible as a distinct curvilir mound that appears to be mostly intact hull structure. Internally, indistinct linear mounds are visible suggesting the wreck is upright at there are some small angular mounds directly next to the hull that may be collapsed structure. The wreck is orientated east to west on the seabed, with the east end potentially buried by sediments and/or hig degraded. The wreck has scouring to the south for approximately 25 m and 0.7m deep. The wreck has a large Mag. anomaly associated with it, measuring 111nT, indicating some ferrous material is present. 				
	Туре	•				
Build	Construction	Unknown				
	Dimensions (m)	Unknown				
1.000	Shipyard	Unknown				
Loss Cause Extent of Survival		Unknown The wreck appears to be mostly intact with one end buried or highly degraded. The wreck is situated within an area of mobile sediments that may periodically conceal the wreck and any associated debris.				





Sidescan sonar waterfall image of wreck **7120**, 70m range per channel



MBES grid image, x 1 vertical exaggeration, looking north-east

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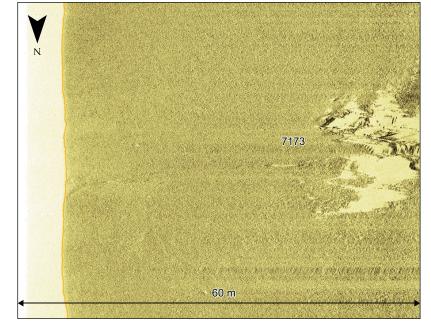


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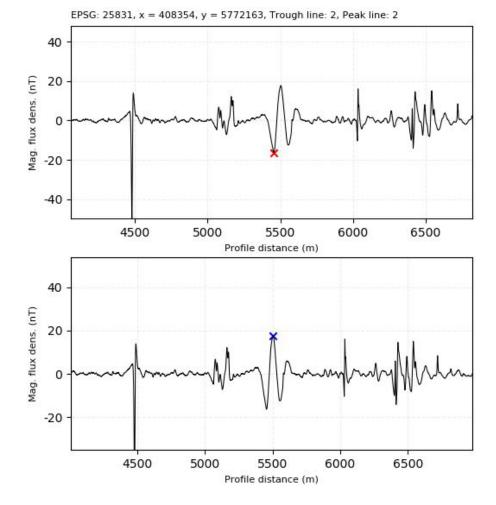


ID 7173 – UKHO 10249 – HMS Tervani

Location Archaeologi	cal Importance	408301 E 5772170 N					
Archaeologi	cal Importance	400301 E 3772170 N	Area	Sea Link Offshore Block 2			
	•	High		BIOORE			
Geophysical dimensions		 Wreck 7173 is a recorded wreck orientated approximately north to south on the seabed and corresponds with UKHO record 10249, for HMS <i>Tervani</i>. The wreck is also recorded in the NMHR (912686). The wreck is partially covered by the SSS data and is visible a series of distinct but dispersed dark reflectors with bright shadows. Short linear and angular objects are visible, as well as slatted features that may be surviving deck structure. The wreck is orientated approximately north to south and extends beyond the SSS data range; the measured dimensions of 36.8 x 15.2 x 0.6m, are significantly shorter than those in the UKHO record, suggesting the wreck extends considerably beyond the data extents. The wreck has significant scour associated that extends beyond the data range to the south-east. An associated debris field has been identified to the north, suggesting the wreck has degraded. The wreck was not directly covered by the MBES or Mag. datasets; however, a small Mag. anomaly was identified on the closest line 46m 					
T		east, measuring 34nT, indicatin	ng some ferrous	material is present.			
	ype	Trawler					
- RIIII U	Construction	Unknown, likely steel	(gross)				
	imensions (m) hipyard	48.8 x 7.9 x 4.3m, 457 tonnes (Unknown	gross)				
	ause	Mine					
Extent of Su	rvival	The wreck was only partially co recorded dimensions suggest the extents. No discernible superst linear features were identified w Objects identified in the vicinity associated debris indicate it is the	he wreck exten ructure was visi vhich may be pa of the wreck ar	ds beyond the data ible; however, some art of the deck.			



Sidescan sonar waterfall image of wreck 7173, 60m range per channel



Mag profile image

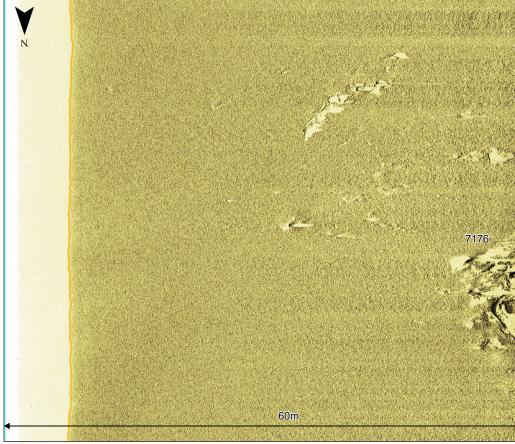
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ID 7176 – UKHO 86578 – Unknown

Location		408288 E 5772083 N Area Sea Link Offs Block 2						
Archaeo Importar		High						
Geophysical survey dimensions and notes		 Wreck 7176 is an unknown, recorded wreck that corresponds with UKHO record 86578. The wreck is partially covered by the SSS data and is visible as a large spread of linear, curvilinear, elongate, and angular dark reflectors with bright shadows. The wreck measures 41.4 x 10.2 x 0.4m, however it extends beyond the SSS data range and so the dimensions should be considered a minimum. At the north-east end of the wreck a distinctive curvilinear dark reflector measuring 23.7 x 1.3m is visible that is interpreted to be a part of the hull. No superstructure or deck structure is visible, and associated debris has been identified in the vicinity. The wreck was not directly covered by the MBES or Mag. datasets, so it is not possible to ascertain whether ferrous material is present. 						
	Туре	Unknown						
	Construction	•						
Build	Dimensions (m)	spread of linear, curvilinear, elongate, and angular dark reflectors with bright shadows. The wreck measures 41.4 x 10.2 x 0.4m, however it extends beyond the SSS data range and so the dimensions should be considered a minimum. At the north-east end of the wreck a distinctive curvilinear dark reflector measuring 23.7 x 1.3m is visible that is interpreted to be a part of the hull. No superstructure or deck structure is visible, and associated debris has been identified in the vicinity. The wreck was not directly covered by the MBES or Mag. datasets, so it is not possible to ascertain whether ferrous material is present. Unknown Unknown Unknown Unknown Associated with a UKHO record for an unknown wreck, last surveyed in 2017. It is described as a being largely intact and partially buried, with						
	Shipyard	Unknown						
Loss	Cause	Unknown						
Extent of	^f Survival	Associated with a UKHO record for an unknown wreck, last surveyed in 2017. It is described as a being largely intact and partially buried, with dimensions of 41.7 x 6.5 x 2.9m. The wreck was partially covered by the 2021 SSS data and no discernible superstructure was visible. Objects identified in the vicinity of the wreck and interpreted as debris suggest it is broken up and highly degraded.						

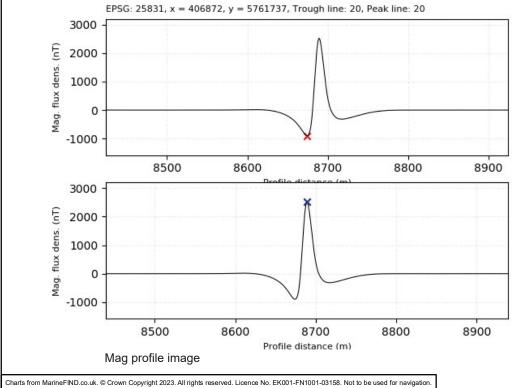


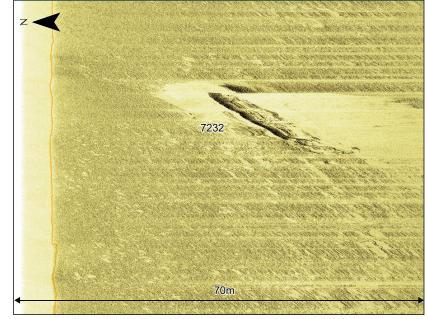
Sidescan sonar waterfall image of wreck 7176, 60m range per channel

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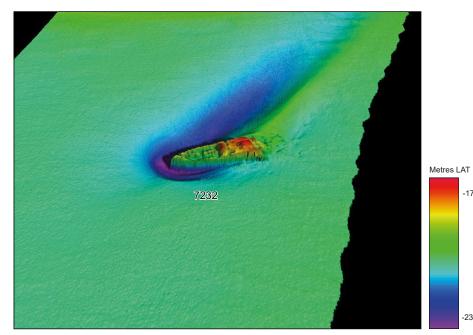


Location		406866 E 5761733 N	Area	Sea Link Offshore Block 2				
Archaeolo	ogical Importance	High						
Geophysi	cal survey ns and notes	 Wreck 7232 is a recorded wreck that corresponds with UKHO record 14743 and NMHR record 879873, an unknown wreck. In the SSS data the wreck is visible as a distinct oval shaped thick curvilinear dark reflector, interpreted to represent the hull. Internally there are indistinct linear and angular dark reflectors with shadows, that are likely surviving deck structure. The wreck is orientated approximately north-east to south-west on the seabed and measures 44.5 x 14.5 x 3.4m. In the MBES data the wreck appears upright and mostly intact, internally some upstanding deck structure is visible in the form of square and rounded mounds. At the south-west end of the deck two tall mounds are visible which may be boilers. The south-west end of the vicinity. The wreck has substantial sediment accumulation on its south-western end and deep scouring, particularly to the SSW extending for approximately 90.0m and up to 4.0m deep. The wreck has a very large Mag. anomaly associated with it, measuring 3,415nT, indicating substantial ferrous material is present. 						
	Туре	Unknown						
Build	Construction	Unknown, likely steel						
Bulla	Dimensions (m)	Unknown						
	Shipyard	Unknown						
Loss	Cause	Unknown						
Extent of Survival		 Recorded by the UKHO as an unknown wreck, first located in 1973 and last surveyed in 2019, the wreck was reported as being generally intact and partially buried with the aft broken off or degraded. The wreck has reported dimensions of 31.6 x 7.2 x 4.4m and is orientated 69° on the seabed. The larger geophysical dimensions in the most recent survey may indicate the wreck has collapsed, degraded further, or become more exposed since 2019. The wreck is situated in an area of mobile sediments and it may periodically be buried. There is associated debris identified in the vicinity of the wreck and the substantial sediment 						
		accumulation on its south-weste	realized by the second second					





Sidescan sonar waterfall image of wreck **7232**, 70m range per channel

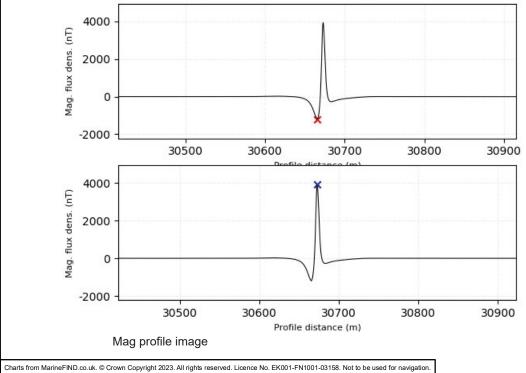


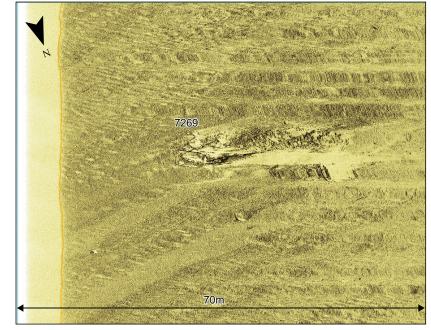
MBES grid image, x 1 vertical exaggeration, looking south

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Location		406448 E 5750777 N	Area	Sea Link Offshore				
				Block 3				
Archaeolog	gical Importance	High						
Geophysica dimensions	al survey s and notes	 Wreck 7269 is a recorded wreck and corresponds with UKHO (14599) and NMHR (908160) records for UC11 (Possibly). The wreck is visible in the SSS data as a thick, elongate and slightly intermittent dark reflector with bright shadows interpreted to be the hull. Within this, multiple linear, curvilinear and angular objects are visible. The wreck measures 43.5 x 20.7 x 3.2m and associated debris has been identified in the vicinity. In the MBES data the wreck is visible as a spread of angular, linear and curvilinear mounds. The largest mound is rectangular, with steep sides and a flat thin peak measuring 13.6 x 4.3 x 3.0m, and may be the conning tower or a rudder. Some objects are very distinct, and others may be partially buried. The wreck has scouring associated orientated north and south for a maximum of 28.0m and is 0.5m deep. The wreck has a very large magnetic anomaly associated with it, 						
-	Туре	measuring 5,114nT, indicating s Submarine						
	Construction	Steel						
	Dimensions (m)	34.1 x 3.0m						
	Shipyard	Vulkanwerke, Hamburg						
		Mine						
		Recorded as UC11 (Possibly) in the UKHO and NMHR records, a German minelaying submarine that sank in 1918 after running into one of its own mines. The wreck is reported as being upturned, with a strong magnetic anomaly associated. The wreck was last surveyed in 2016 and described as being broken up with dimensions of 27.0 x 11.0 x 4.3m. The UKHO record suggests that the wreck may have been salvaged in the past. In the 2021 geophysical data the wreck appears to be degraded and broken up. One piece of superstructure is visible, possibly the conning tower, although the UKHO record suggests the wreck is upturned, so may be a rudder, the hull is also highly degraded. The wreck is situated in an area of mobile sediments and it may periodically be buried. Associated debris has been identified in the vicinity of the wreck and there is potential for further debris to be buried.						

EPSG: 25831, x = 406450, y = 5750783, Trough line: 3, Peak line: 3





Sidescan sonar waterfall image of wreck **7269**, 70m range per channel



MBES grid image, x 1 vertical exaggeration, looking east

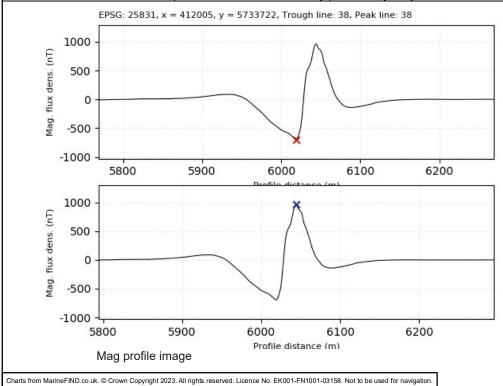
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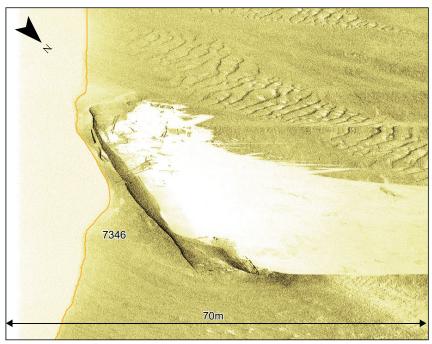
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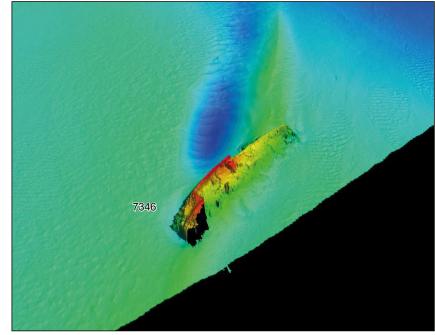
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Location		412020 E 5733762 N	Area	Sea Link Offshore				
				Block 3				
Archaeol	ogical Importance	High						
Geophysi dimensio	ical survey ns and notes	 Wreck 7346 is a recorded wreck that corresponds with the UKHO (14419) and NMHR (802191) records for <i>Salerno</i> (Possibly). In the SSS data one edge of the hull is visible as a distinct long and thick dark reflector with a very large, bright and uneven shadow, indicating uneven height. Within the hull there are multiple indistinct elongate and linear dark reflectors, indicating the wreck is upright and has some surviving deck structure. The wreck measures 97.0 x 25.2 x 11.1m and is orientated north-east to south-west on the seabed, it is situated within an area of mobile sediments. In the MBES data the wreck is upright but leaning over to one side, and the northern side of the wreck is not visible. The hull appears to be mostly intact, with collapsed structure on its south-west end with the northern edge of the wreck buried by sediments. In the centre of the deck a large square mound is visible measuring 8.7 x 4.2 x 4.0m. There are multiple linear and angular mounds across the deck and a large mound is present at the north-eastern end of the vessel indicating surviving superstructure and possibly a boiler. The wreck has significant scour to the south for over 200.0m and up to -6.0m deep and is surrounded by sediment accumulation which may be concealing the full extents of the wreck and possibly associated debris. The wreck has a very large Mag. anomaly associated with it, measuring 1,659nT, indicating substantial ferrous material is present. 						
Build	Construction	Unknown, likely steel						
	Dimensions (m)	99.1 x 13.5 x 6.0m						
<u> </u>	Shipyard	Wood, Skinner & Co, Newcastle	e-Upon-Tyne					
Loss	Cause	Mine						
Extent of	Survival	Recorded by the UKHO as <i>Salerno</i> (Possibly), a steam ship built in 1912 with two boilers and a triple expansion engine. The vessel struck a mine laid by UC3 in 1915. The wreck was last surveyed in 2016 and described as being broken up with a strong Mag. anomaly associated and dimensions of 95.0 x 22.0 x 11.7m. In the 2021 geophysical data the wreck appears to be predominantly intact, although the south-west end has evidence of deterioration. It is situated within an area of large sand waves which may be concealing associated debris and may periodically bury the full extent of the wreck.						





Sidescan sonar waterfall image of wreck **7346**, measuring 70m range per channel

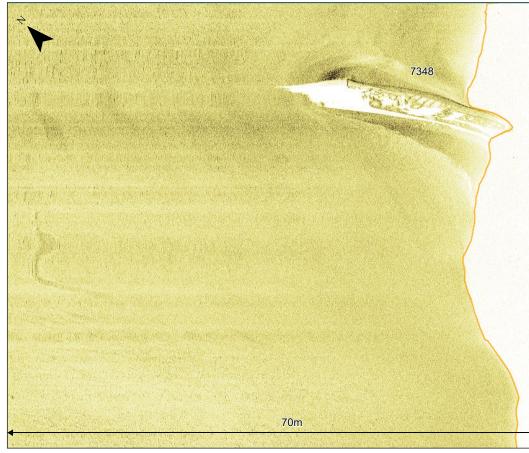


MBES grid image, x 1 vertical exaggeration, looking south

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ID 7348 – UKHO 14418 – Unknown

Location		411708 E 5733710 N	Area	Sea Link Offshore Block 3				
Archaeolo Importano		High		Diotro				
		Wreck 7348 is a recorded wreck record for an unknown wreck and 30.0m north-west as the possible The wreck is visible in the SSS d	I an NMHR reco wreck of the V ata as a distinct	ord (802188) situated <i>olscian.</i> t curvilinear dark reflector				
Geophysical survey dimensions and notes		with a bright uneven shadow, orientated NNW to SSE on the seabed. This is interpreted to represent the hull and appears to be intact. Within the hull, multiple distinct linear dark reflectors are visible; these slatted features potentially indicate surviving deck structure and that the wreck is upright on the seabed. The wreck measures 27.6 x 10.7 x 3.6m and is surrounded by scour and sediment accumulation.						
		The wreck was not directly covered by the MBES or Mag. datasets; however a large Mag. anomaly measuring 182nT identified on the closest Mag. line 100.0m east may be associated.						
	Туре	Unknown						
	Construction	Unknown						
Build	Dimensions (m)	Unknown						
	Shipyard	Unknown						
Loss	Cause	Unknown						
Extent of Survival		 Recorded by the UKHO as an unknown wreck, reported as being upright and in good condition, with recorded dimensions of 35.0 x 9.0 x 5.2m. The wreck was last surveyed in 2016 and reported as lying on a gently undulating seabed with a strong Mag. anomaly associated and scour of 100.0m length and up to 2.0m deep. In the 2021 data the wreck appears to be intact and upright with some surviving deck structure visible. The wreck is situated within an area of mobile sediments that may periodically bury the wreck and any associated debris. 						



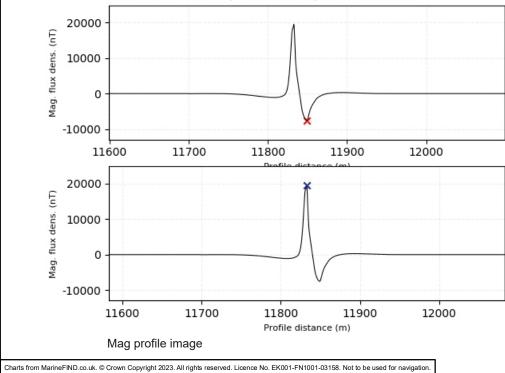
Sidescan sonar waterfall image of wreck 7348, 70m range per channel

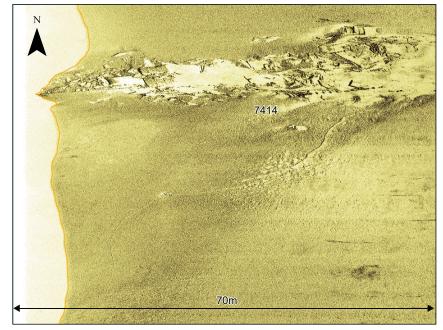
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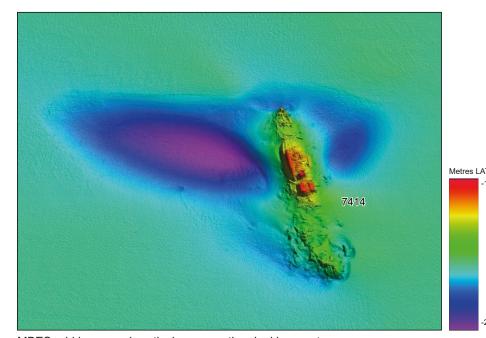
		399938 E 5701754 N	Area	Sea Link Offshore				
Location				Block 4				
Archaeolo	•	High						
Importanc	e	Wreck 7414 is a recorded wreck	that correspond	le with the LIKUO				
	cal survey ns and notes	 (13968) and NMHR (904723) records for Saidieh. In the SSS data the wreck is visible as a large spread of distinct linear and curvilinear dark reflectors with bright shadows. The wreck is upright and measures 116.6 x 36.6 x 6.8m, there are slatted features visible internally, however no superstructure is identifiable. The wreck has a rope or chain that is either attached or snagged on the south-eastern edge. The hull of the wreck is not well defined, suggesting it is broken up. In the MBES dataset the wreck is orientated approximately ENE to WSW on a relatively featureless area of seabed. The wreck appears upright, but is highly degraded with a collapsed hull. Within the hull possible surviving deck structure is visible, comprising three distinct square shaped mounds in its centre with thin, linear mounds and smaller rounded and angular mounds across the deck. The wreck has significant sediment accumulation and scour to the north and south, with significant scour to the south measuring 140.0 x 54.0 x -5.2m, which may be burying collapsed structure and associated debris. The wreck has a very large Mag. anomaly associated with it, measuring 						
	Туре	Steam ship						
	Construction	Unknown, likely steel						
Build	Dimensions	106.7 x 12.2 x 7.0m						
	(m)							
1	Shipyard	Unknown						
Loss	Cause	Sunk by German submarine	ID as Saidish	a 2202 gross top atom				
Extent of Survival		Recorded by the UKHO and NMHR as <i>Saidieh</i> , a 3303 gross ton steam ship built in 1878. The vessel was sunk in 1915 by UB6, a German submarine. The wreck was last surveyed in 2017 and described as being partially broken up and buried with dimensions of 112.5 x 21.1 x 5.8m. The larger geophysical dimensions in the most recent survey may indicate the wreck has collapsed, degraded further, or become more exposed since 2017. The wreck is situated on a relatively featureless area of seabed, but it has substantial sediment accumulation around it and it may periodically be buried. Associated debris has been identified						
		in the vicinity of the wreck and full $x = 399913$, $y = 5701751$. Trough line		y be buried.				

EPSG: 25831, x = 399913, y = 5701751, Trough line: 50, Peak line: 50





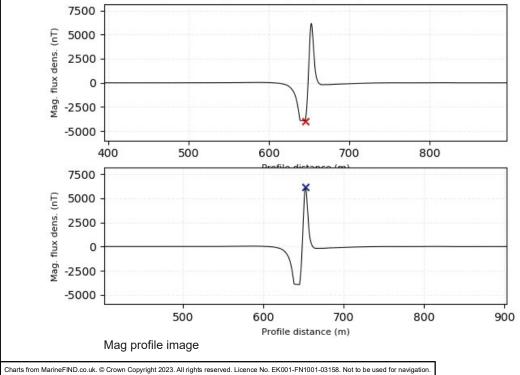
Sidescan sonar waterfall image of wreck **7414**, 70m range per channel

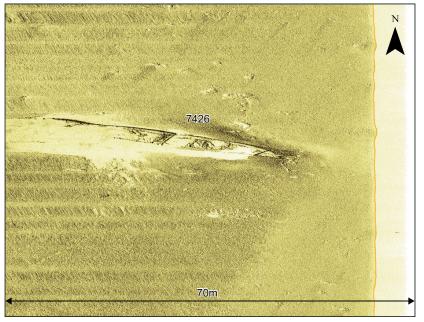


MBES grid image, x 1 vertical exaggeration, looking west

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Location		399876 E 5700385 N	Area	Sea Link Offshore Block 4				
Archaeol	ogical Importance	High		DIUCK 4				
Geophysi	ical survey ns and notes	 Wreck 7426 is a recorded wreck that corresponds with the UKHO (13958) and NMHR (831796) records for an unknown wreck. The wreck is visible in the SSS data with a large, elongate and distinct curvilinear dark reflector with a bright uneven shadow, measuring 51.6 x 11.9 x 3.4m. This is interpreted to represent the hull, which appears to be intact. Within the hull, linear and curvilinear dark reflectors and some slatted features are visible that possible represent surviving deck structure. One end of the vessel is heavily degraded and may be buried. In the MBES data the stern of the wreck appears to be to the WNW and the bow to the ESE. The hull is mostly intact, however there is a dip visible in the centre of the wreck which may suggest it is broken in two. It appears slightly bowed and has large amounts of sediment accumulation at either side of the hull up to 5.0m high that may be burying its full extent. The wreck is upright with two triangular mounds visible in its centre that may be boilers. Some possible surviving deck structure is visible as linear mounds at the stern and small uneven angular mounds at the bow and stern up to 2.0m deep. The wreck has a very large Mag. anomaly associated with it, measuring 						
	Туре	Unknown						
Build	Construction	Unknown, likely steel						
Bulla	Dimensions (m)	Unknown						
	Shipyard	Unknown						
Loss	Cause	Unknown						
Loss Cause		Recorded by the UKHO and NMHR as an unknown wreck that was last surveyed in 2017. The wreck was reported as being upright and intact with dimensions of 50.8 x 9.0 x 3.7m and with 25.0m of scour up to 2.7m deep. The wreck appears to be mostly intact however evidence of collapse and burial is visible in the 2021 geophysical data. Several items of debris are visible surrounding the wreck suggesting it is degraded and a large mound identified at the stern suggests a large piece of the vessel may have broken off. The wreck is situated in an area of mobile codiments and it may periodically be buried						
sediments and it may periodically be buried. EPSG: 25831, x = 399865, y = 5700389, Trough line: 42, Peak line: 42 7500								





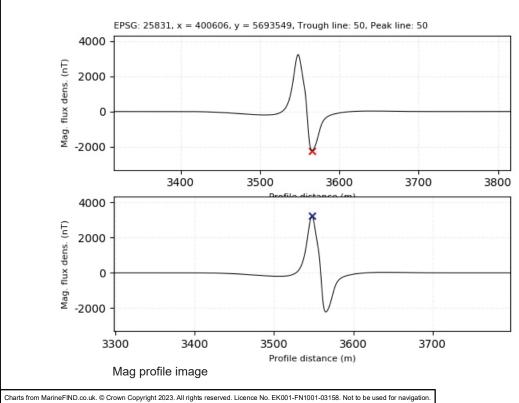
Sidescan sonar waterfall image of wreck **7426**, 70m range per channel

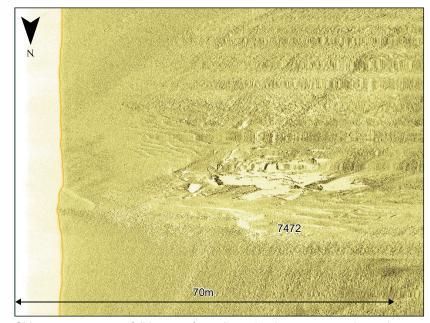


MBES grid image, x 1 vertical exaggeration, looking south-west

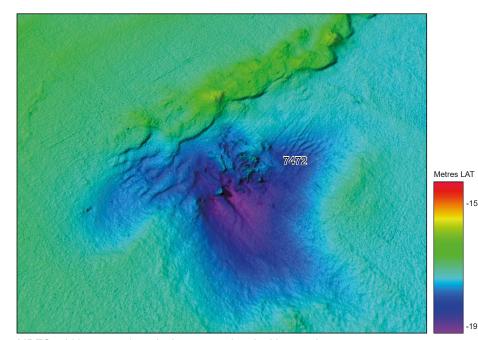
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Location 400613 E 5693545 N Area Sea Link Offshore Block 4 Archaeological Importance High Wreck 7472 is a recorded wreck that corresponds with the UKHO (14944) and NMHR (904908) records for Selma (Possibly). In the SSS data the wreck is visible as a large spread of elongate, angular and curvilinear dark reflectors with bright shadows. The hull is not distinct and there are no discernible internal features visible. suggesting the wreck is very broken up. The wreck measures 52.5 x 38.7 x 1.6m and is situated in an area of mobile sediments, indicating the full extent of the wreck may be buried. Geophysical survey dimensions and notes In the MBES data the wreck is visible as a group of elongate, angular and rounded objects situated within depressions. The largest linear object measures 7.7 x 2.8 x 0.6m and a large angular mound at the western end of the wreck measures 4.1 x 2.8m, this has a very flat peak and steep edges, and some data points are missing which may suggest its peak is overhanging the edge of the main structure. Large scouring is visible to the south of the wreck measuring 24.0m long and 0.6m deep. The wreck is surrounded by sand waves and there is some outcropping geology to the north. Type Steam ship Construction Unknown, likely steel Dimensions (m) 82.3 x 11.9 x 5.5m Shipyard Unknown Loss Cause Mined Recorded in the UKHO and NMHR databases as Selma (Possibly), a 1654 gross ton steam ship that was sunk by a mine in 1915. The wreck was last surveyed in 2018 a									
Geophysical survey dimensions and notes Wreck 7472 is a recorded wreck that corresponds with the UKHO (14944) and NMHR (904908) records for Selma (Possibly). In the SSS data the wreck is visible as a large spread of elongate, angular and curvilinear dark reflectors with bright shadows. The hull is not distinct and there are no discernible internal features visible, suggesting the wreck is very broken up. The wreck measures 52.5 x 38.7 x 1.6m and is situated in an area of mobile sediments, indicating the full extent of the wreck may be buried. Geophysical survey dimensions and notes In the MBES data the wreck is very broken up. The wreck measures 52.5 x 38.7 x 1.6m and is situated in an area of mobile sediments, indicating the full extent of the wreck may be buried. In the MBES data the wreck is very broken up. The largest linear object measures 7.7 x 2.8 x 0.6m and a large angular mound at the western end of the wreck measures 4.1 x 2.8m; this has a very flat peak and steep edges, and some data points are missing which may suggest its peak is overhanging the edge of the main structure. Large scouring is visible to the south of the wreck measuring 24.0m long and 0.6m deep. The wreck is surrounded by sand waves and there is some outcropping geology to the north. The wreck has a very large Mag. anomaly associated with it, measuring 5,443nT, indicating substantial ferrous material is present. Build Type Steam ship Steam ship that was sunk by a mine in 1915. The wreck was last surveyed in 2018 and reported as cons	Location		400613 E 5693545 N	Area	Sea Link Offshore Block 4				
Geophysical survey In the SSS data the wreck is visible as a large spread of elongate, angular and curvilinear dark reflectors with bright shadows. The hull is not distinct and there are no discernible internal features visible, suggesting the wreck is very broken up. The wreck measures 52.5 x 38.7 x 1.6m and is situated in an area of mobile sediments, indicating the full extent of the wreck may be buried. In the MBES data the wreck is visible as a group of elongate, angular and rounded objects situated within depressions. The largest linear object measures 7.7 x 2.8 x 0.6m and a large angular mound at the western end of the wreck measures 4.1 x 2.8m; this has a very flat peak and steep edges, and some data points are missing which may suggest its peak is overhanging the edge of the main structure. Large scouring is visible to the south of the wreck measuring 24.0m long and 0.6m deep. The wreck has a very large Mag. anomaly associated with it, measuring 5,443nT, indicating substantial ferrous material is present. Build Type Steam ship Construction Unknown, likely steel Dimensions (m) 82.3 x 11.9 x 5.5m Shipyard Unknown Loss Cause Mined Recorded in the UKHO and NMHR databases as Selma (Possibly), a 1654 gross ton steam ship that was sunk by a mine in 1915. The wreck was last surveyed in 2018 and reported as consisting of broken and dispersed debris in scour with dimensions of 30.0 x 23.3 x 0.8m. Type The larger geophysical dimensions in the most recent survey may indicate the wreck has collapsed, degraded further, or become more exposed since 2018. The wreck is very broken up and de	Archaeolo	ogical Importance	High		·				
Build Construction Unknown, likely steel Dimensions (m) 82.3 x 11.9 x 5.5m Shipyard Unknown Loss Cause Mined Recorded in the UKHO and NMHR databases as Selma (Possibly), a 1654 gross ton steam ship that was sunk by a mine in 1915. The wreck was last surveyed in 2018 and reported as consisting of broken and dispersed debris in scour with dimensions of 30.0 x 23.3 x 0.8m. Extent of Survival The larger geophysical dimensions in the most recent survey may indicate the wreck has collapsed, degraded further, or become more exposed since 2018. The wreck is very broken up and degraded and is	Geophysi	cal survey ns and notes	 Wreck 7472 is a recorded wreck that corresponds with the UKHO (14944) and NMHR (904908) records for <i>Selma</i> (Possibly). In the SSS data the wreck is visible as a large spread of elongate, angular and curvilinear dark reflectors with bright shadows. The hull is not distinct and there are no discernible internal features visible, suggesting the wreck is very broken up. The wreck measures 52.5 x 38.7 x 1.6m and is situated in an area of mobile sediments, indicating the full extent of the wreck may be buried. In the MBES data the wreck is visible as a group of elongate, angular and rounded objects situated within depressions. The largest linear object measures 7.7 x 2.8 x 0.6m and a large angular mound at the western end of the wreck measures 4.1 x 2.8m; this has a very flat peak and steep edges, and some data points are missing which may suggest its peak is overhanging the edge of the main structure. Large scouring is visible to the south of the wreck measuring 24.0m long and 0.6m deep. The wreck is surrounded by sand waves and there is some outcropping geology to the north. The wreck has a very large Mag. anomaly associated with it, measuring 						
Dimensions (m) 82.3 x 11.9 x 5.5m Shipyard Unknown Loss Cause Mined Recorded in the UKHO and NMHR databases as Selma (Possibly), a 1654 gross ton steam ship that was sunk by a mine in 1915. The wreck was last surveyed in 2018 and reported as consisting of broken and dispersed debris in scour with dimensions of 30.0 x 23.3 x 0.8m. Extent of Survival The larger geophysical dimensions in the most recent survey may indicate the wreck has collapsed, degraded further, or become more exposed since 2018. The wreck is very broken up and degraded and is			1						
Shipyard Unknown Loss Cause Mined Recorded in the UKHO and NMHR databases as Selma (Possibly), a 1654 gross ton steam ship that was sunk by a mine in 1915. The wreck was last surveyed in 2018 and reported as consisting of broken and dispersed debris in scour with dimensions of 30.0 x 23.3 x 0.8m. Extent of Survival The larger geophysical dimensions in the most recent survey may indicate the wreck has collapsed, degraded further, or become more exposed since 2018. The wreck is very broken up and degraded and is	Build								
Loss Cause Mined Recorded in the UKHO and NMHR databases as Selma (Possibly), a 1654 gross ton steam ship that was sunk by a mine in 1915. The wreck was last surveyed in 2018 and reported as consisting of broken and dispersed debris in scour with dimensions of 30.0 x 23.3 x 0.8m. Extent of Survival The larger geophysical dimensions in the most recent survey may indicate the wreck has collapsed, degraded further, or become more exposed since 2018. The wreck is very broken up and degraded and is									
Recorded in the UKHO and NMHR databases as Selma (Possibly), a 1654 gross ton steam ship that was sunk by a mine in 1915. The wreck was last surveyed in 2018 and reported as consisting of broken and dispersed debris in scour with dimensions of 30.0 x 23.3 x 0.8m.Extent of SurvivalThe larger geophysical dimensions in the most recent survey may indicate the wreck has collapsed, degraded further, or become more exposed since 2018. The wreck is very broken up and degraded and is									
be buried. An associated debris field has been identified to the north- west of the wreck and more debris may be buried in the vicinity.			Recorded in the UKHO and NM 1654 gross ton steam ship that was last surveyed in 2018 and r dispersed debris in scour with d The larger geophysical dimension indicate the wreck has collapsed exposed since 2018. The wreck situated in an area of mobile set be buried. An associated debris	was sunk by a r reported as cons imensions of 30 ons in the most d, degraded furt is very broken diments, sugges field has been	mine in 1915. The wreck sisting of broken and 0.0 x 23.3 x 0.8m. recent survey may ther, or become more up and degraded and is sting it may periodically identified to the north-				





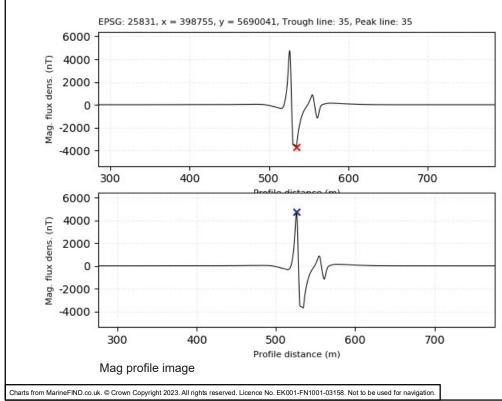
Sidescan sonar waterfall image of wreck **7472**, 70m range per channel

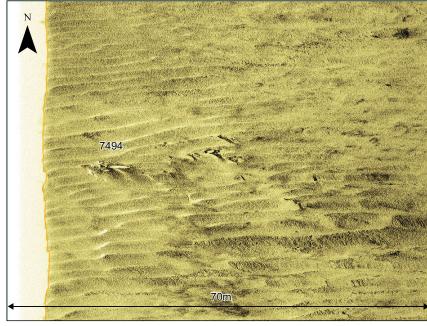


MBES grid image, x 1 vertical exaggeration, looking north-east

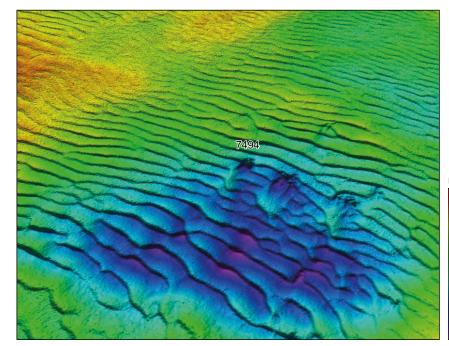
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Location		398780 E 5690035 N	Area	Sea Link Offshore			
Location				Block 4			
Archaeol Importan		High					
	ical survey ns and notes	 Wreck 7494 is a recorded wreck that corresponds with UKHO record 15175, <i>Klar</i>. In the SSS data the wreck is visible as large spread of highly anomalous rounded, curved, linear and angular dark reflectors with shadows of varying heights. The wreck measures 51.3 x 42.2 x 1.0m and is situated within an area of sand waves, suggesting the potential for further debris to be buried in the vicinity. In the MBES data the wreck is visible as an area of disturbed seabed comprising three compact groups of distinct mounds within mobile sediments. An elongate object is visible measuring 2.2 x 1.2m and the largest mound measures 2.8 x 1.8m. Smaller rounded and angular mounds are also visible and the feature has scouring to the south for 13.0m and up to 0.4m deep. The wreck has a very large Mag. anomaly associated with it, measuring 					
	Туре	Steam Ship					
	Construction	Unknown, likely steel					
Build	Dimensions (m)	45.7 x 7.6 x 5.2m					
	Shipyard	Unknown					
Loss	Cause	Mine					
Extent of	Survival	Recorded by the UKHO as <i>Klar</i> , mine and sank on passage from last identified in 1997 with measu scour extending for 65.0m. The survey in 2018 and the record w In the 2021 geophysical data the degraded with no identifiable stru- within sand waves and may be p why it was not identified in 2018.	Tyne to Rouen urements of 50.0 wreck was not ic as amended to wreck appears ucture visible. The eriodically burie	in 1915. The wreck was 0 x 45.0 x 1.0m with dentified in a MBES dead. very broken up and he wreck is situated			

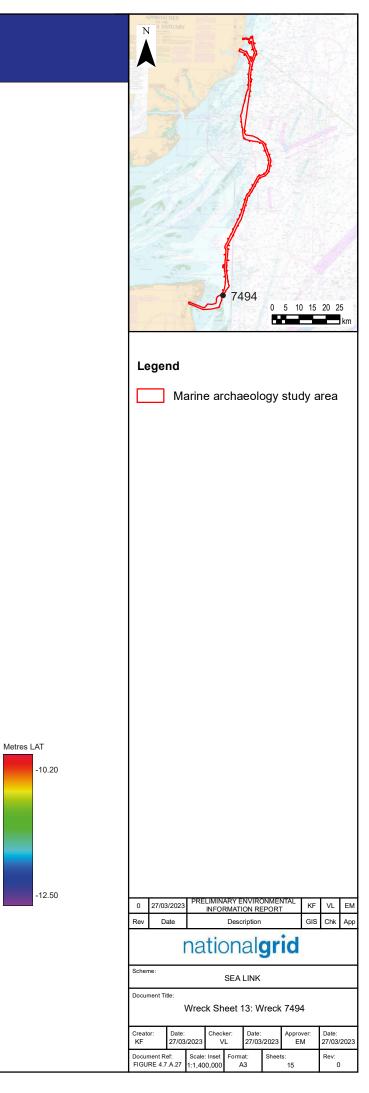




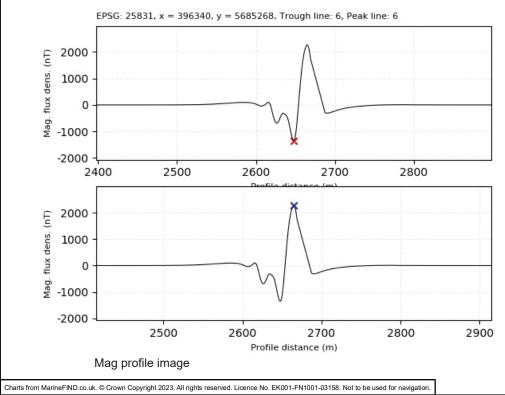
Sidescan sonar waterfall image of wreck **7494**, 70m range per channel

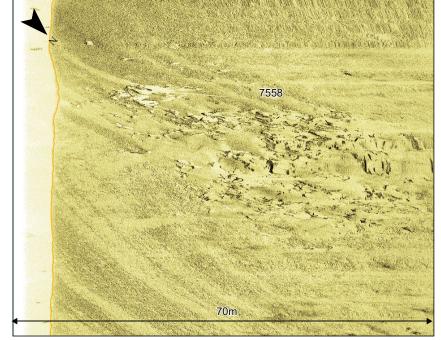


MBES grid image, x 1 vertical exaggeration, looking north-west

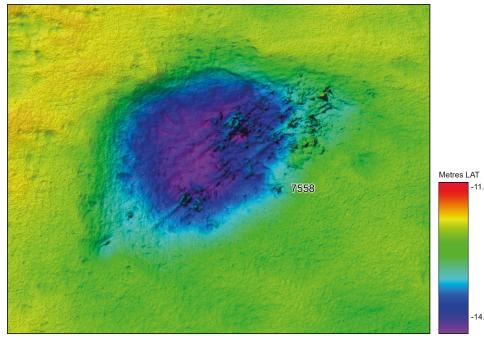


Location		396356 E 5685266 N	Area	Sea Link Offshore Block 5				
Archaool	naical Importanco	High		DIUCK J				
Archaeological Importance Geophysical survey dimensions and notes		Wreck 7558 is a recorded wreck that corresponds with the UKHO (13837) and NMHR (904884) records for the steam ship <i>Bravore</i> . The wreck is visible in the SSS data as a large cluster of densely packed angular, irregular and linear dark reflectors with bright shadows. The hull is not discernible and there is no identifiable superstructure, suggesting the wreck is highly degraded. The wreck measures 106.1 x						
		 49.5 x 3.1m and associated debris has been identified in the vicinity. In the MBES dataset the wreck is visible as a large area of disturbed seabed situated in a large depression or scour up to approximately 2.0m deep, and comprising numerous angular and rounded mounds and smaller depressions. The wreck has a very large Mag. anomaly associated with it, measuring 3,614nT, indicating substantial ferrous material is present. 						
	Туре	Steam ship						
Build	Construction	Unknown, likely steel						
Build	Dimensions (m)	71.6 x 11.6 x 4.9m						
	Shipyard	Unknown						
Loss	Cause	Mine						
Extent of Survival		Recorded in the UKHO and NMHR databases as <i>Bravore</i> , a 1458 gross ton steam ship with two boilers and a triple expansion engine that sank in 1940 after striking a mine laid by a German submarine. The wreck was last surveyed in 2016 and reported as being a circular area with debris within. The wreck had a strong Mag. anomaly associated and dimensions of $80.5 \times 44.9 \times 3.6$ m with a large scour measuring 121.0m and 1.5m deep.						
		In the 2021 data the wreck is very broken up and dispersed with no identifiable structure or hull visible. The wreck has associated sediment accumulation visible that may be burying further debris.						





Sidescan sonar waterfall image of wreck **7558**, 70m range per channel



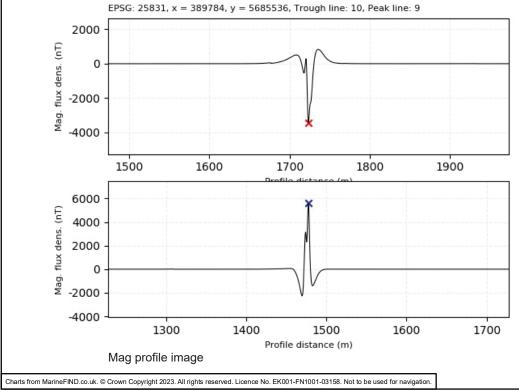
MBES grid image, x 1 vertical exaggeration, looking north

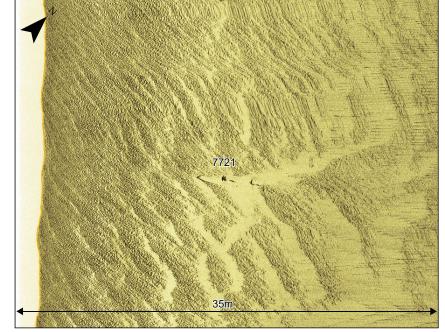
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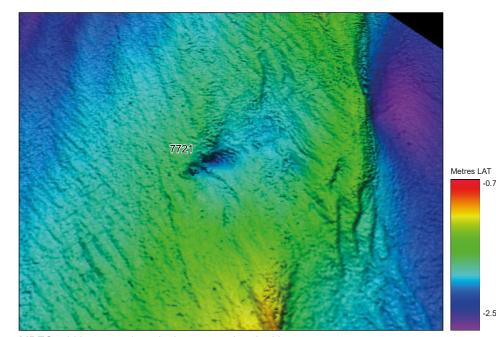
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Location		389778 E 5685519 N	Area	Sea Link Nearshore S5			
Archaeolo Importano		High	I				
	cal survey ns and notes	 Wreck 7721 is a recorded wreck that corresponds with UKHO record 85569, an unknown wreck. In the SSS data the wreck is visible as an area of disturbed seabed with three distinct dark reflectors within; a thin right-angled object measuring 5.0 x 0.6m is visible, plus two smaller angular objects with slight shadows. The wreck measures 8.5 x 4.7 x 0.4m and is situated within an area of mobile sediments so the full extent is likely buried. In the MBES data the wreck is visible as a group of angular objects in the base of a large depression or seabed disturbance: the largest object measures 2.1 x 1.2 x 0.2m. The wreck has a very large Mag. anomaly associated with it, measuring 					
	Туре	Unknown					
	Construction	Unknown, likely steel					
Build Dimensions (m)		Unknown					
	Shipyard	Unknown					
Loss	Cause	Unknown					
Extent of Survival		Recorded by the UKHO as an un and reported as being the possib last surveyed in 2019 with MBES The wreck is highly broken up wit 2021 geophysical data. The prev appearance suggest that this wre buried in mobile sediments since present condition.	le remains of a dimensions of th no hull or stru iously reported eck has become	barge. The wreck was 37.4 x 3.9 x 0.9m. ucture discernable in the dimensions and almost completely			





Sidescan sonar waterfall image of wreck **7721**, 35m range per channel

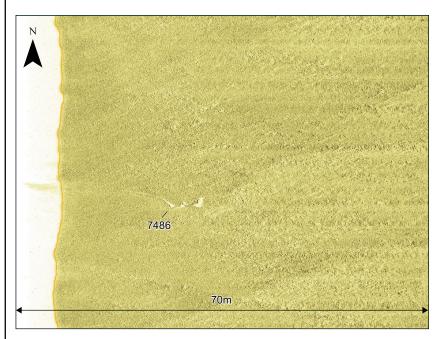


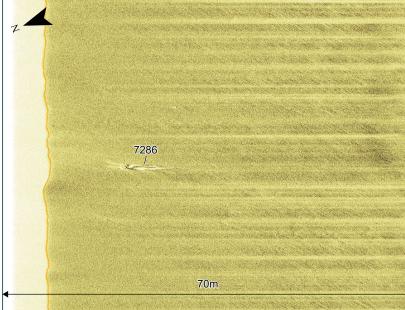
MBES grid image, x 1 vertical exaggeration, looking west

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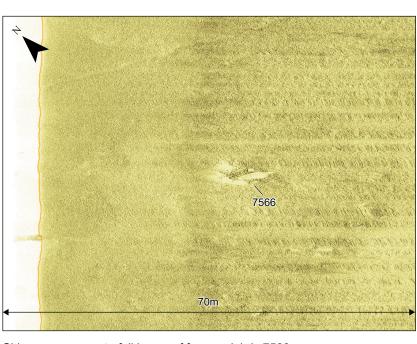
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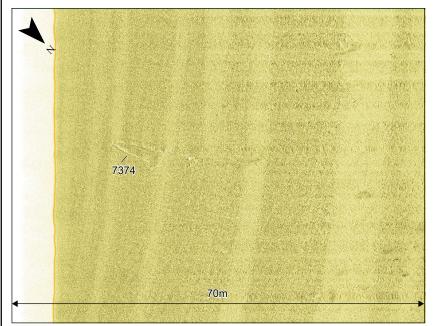


Sidescan sonar waterfall image of debris field 7486, measuring 45.0 x 4.1 x 0.4m

Sidescan sonar waterfall image of ferrous debris **7286**, measuring $5.1 \times 4.1 \times 1.4 \text{m}$

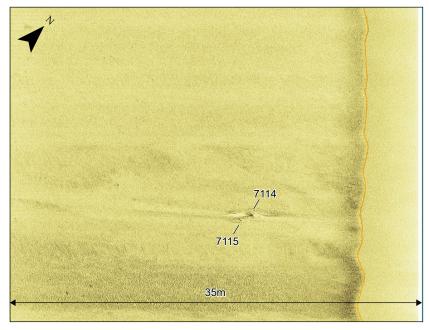


Sidescan sonar waterfall image of ferrous debris **7566**, measuring 8.0 x 2.1 x 0.5m



7783 35m

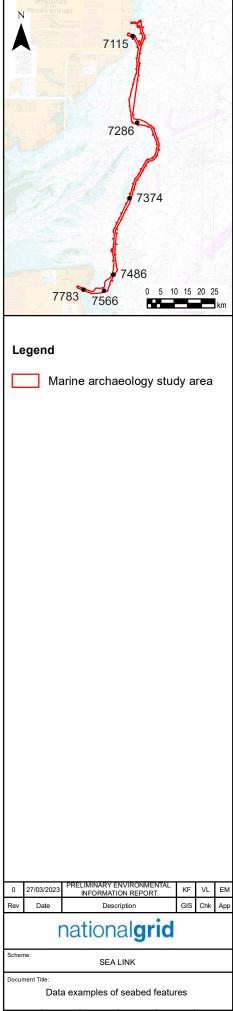
Sidescan sonar image of bright reflector **7783**, measuring 0.7 x 0.6m



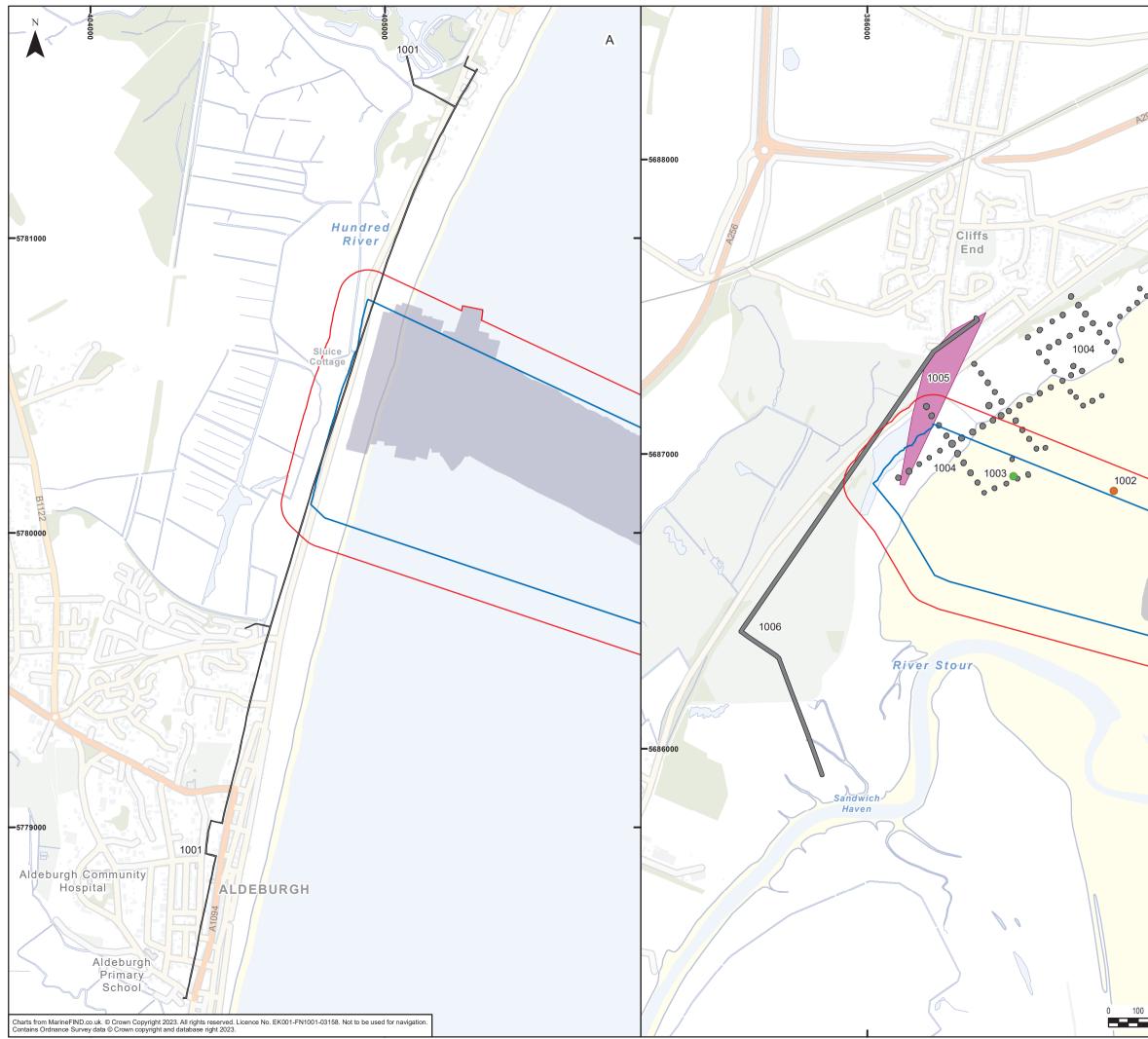
Sidescan sonar waterfall image of dark reflector **7115**, measuring 0.6 x 0.3 x 0.2m and ferrous debris **7114**, measuring $1.3 \times 0.6 \times 0.6m$

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Sidescan sonar waterfall image of seabed disturbance **7374**, measuring $20.2 \times 15.6 \times 0.1 \text{m}$



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