

Site Details:

ALEXANDRA DOCKS,
NEWPORT, NP20 2WF

Client Ref: P02141599
Report Ref: GS-GWL-9WE-BL9-B7E_1250_2_1
Grid Ref: 332160, 184140

Map Name: National Grid

Map date: 1992

Scale: 1:1,250

Printed at: 1:2,000



Surveyed N/A Revised N/A Edition N/A Copyright 1992 Levelled N/A	Surveyed N/A Revised N/A Edition N/A Copyright 1992 Levelled N/A
Surveyed N/A Revised N/A Edition N/A Copyright 1992 Levelled N/A	Surveyed N/A Revised N/A Edition N/A Copyright 1992 Levelled N/A



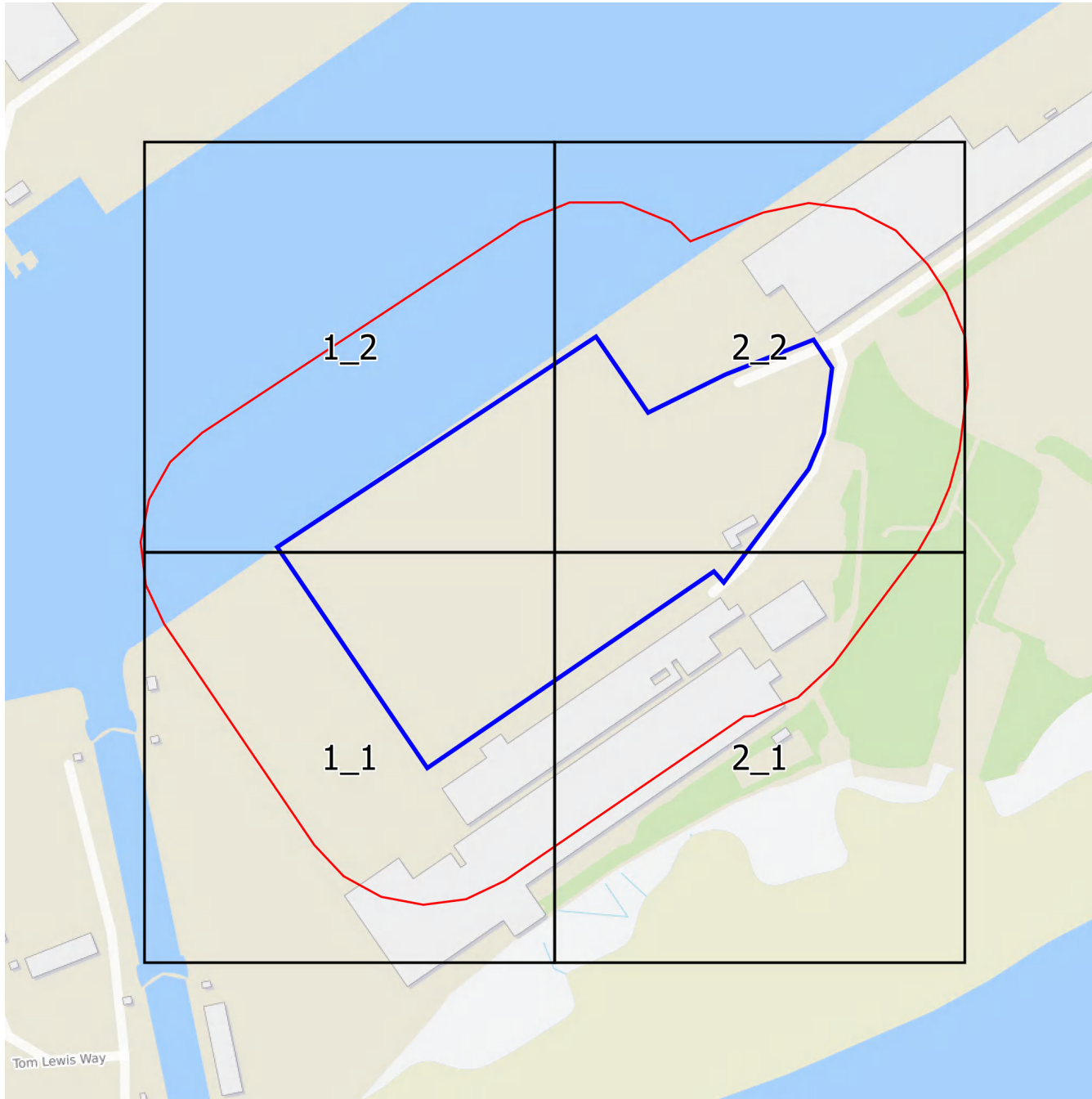
Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

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Production date: 29 September 2023

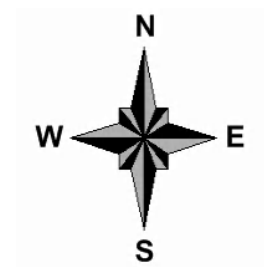
Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf





Groundsure
INSIGHTS

Landline Scale Grid Index



Site Details:

ALEXANDRA DOCKS,
NEWPORT, NP20 2WF

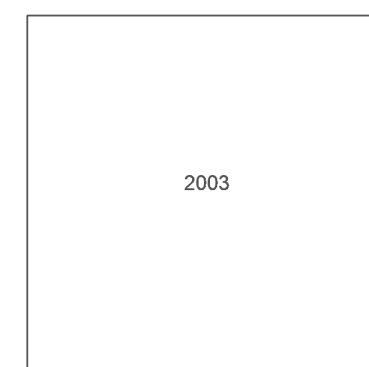
Client Ref: P02141599
Report Ref: GS-GWL-9WE-BL9-B7E_Landline_1_2
Grid Ref: 331760, 184540

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250

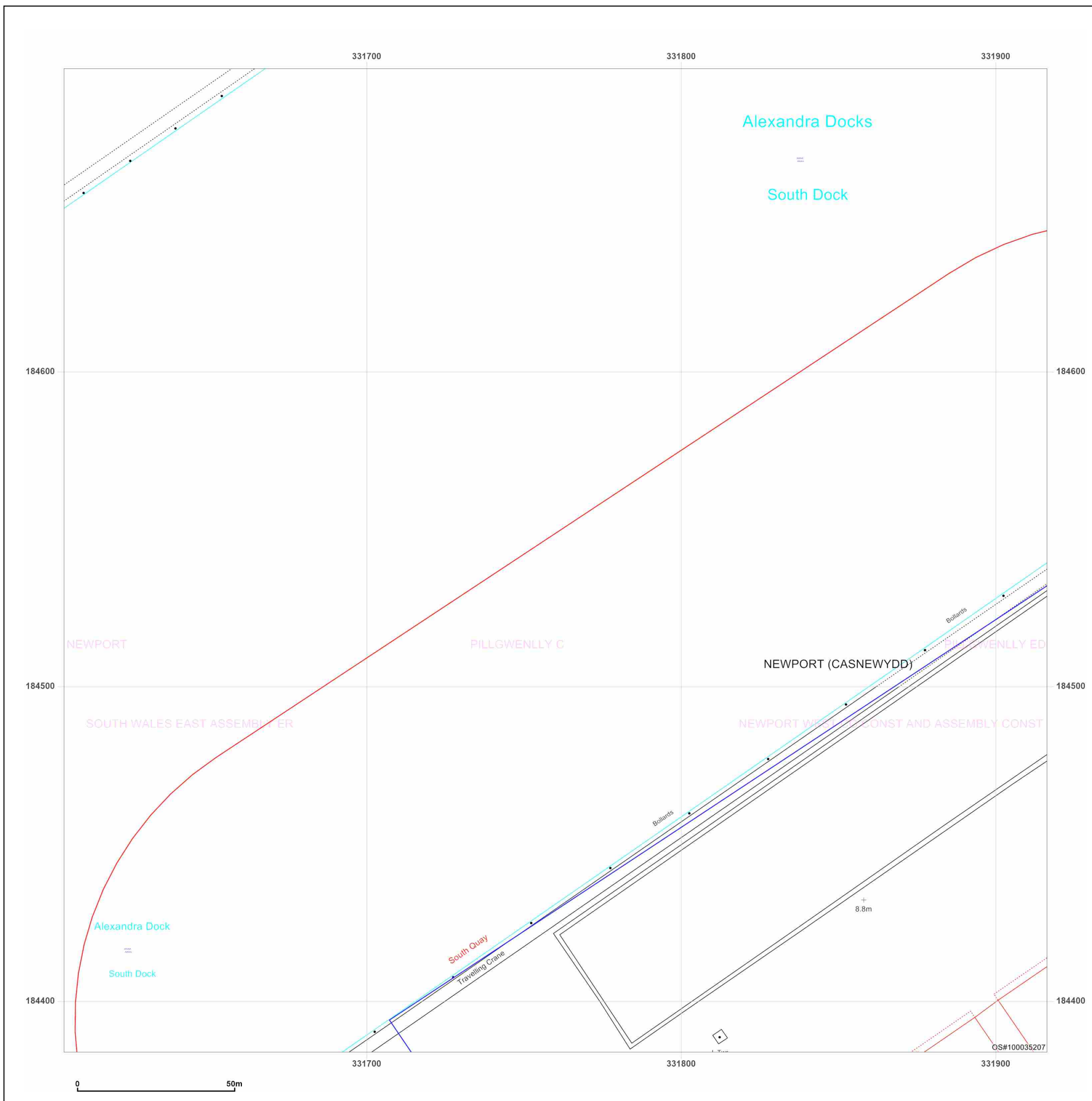


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Client Ref: P02141599
Report Ref: GS-GWL-9WE-BL9-B7E_Landline_1_1
Grid Ref: 331760, 184240

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250



2003

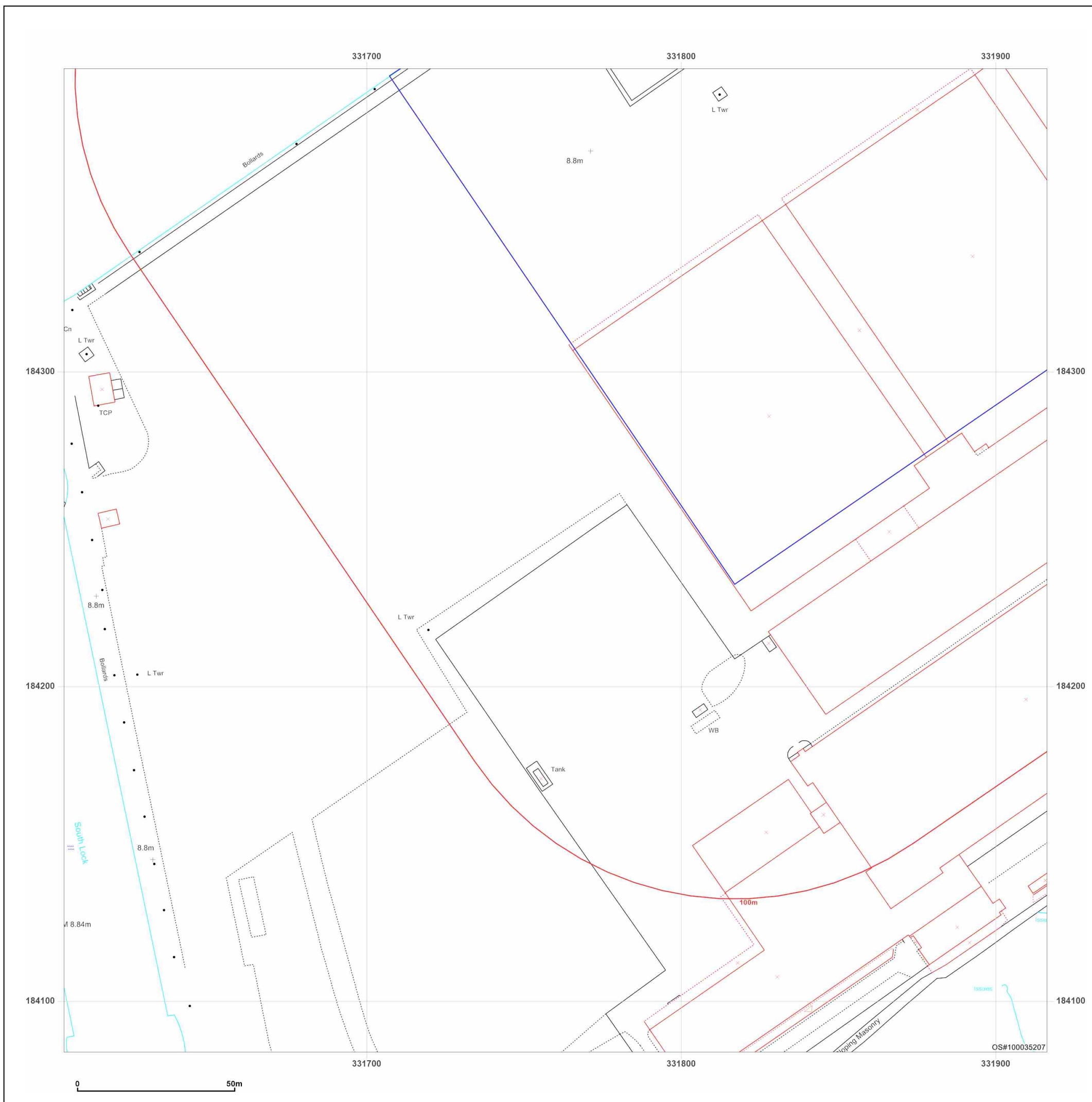


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Report Ref: GS-GWL-9WE-BL9-B7E_Landline_2_2
Grid Ref: 332060, 184540

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250



2003



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Grid Ref: 332060, 184240

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250



2003

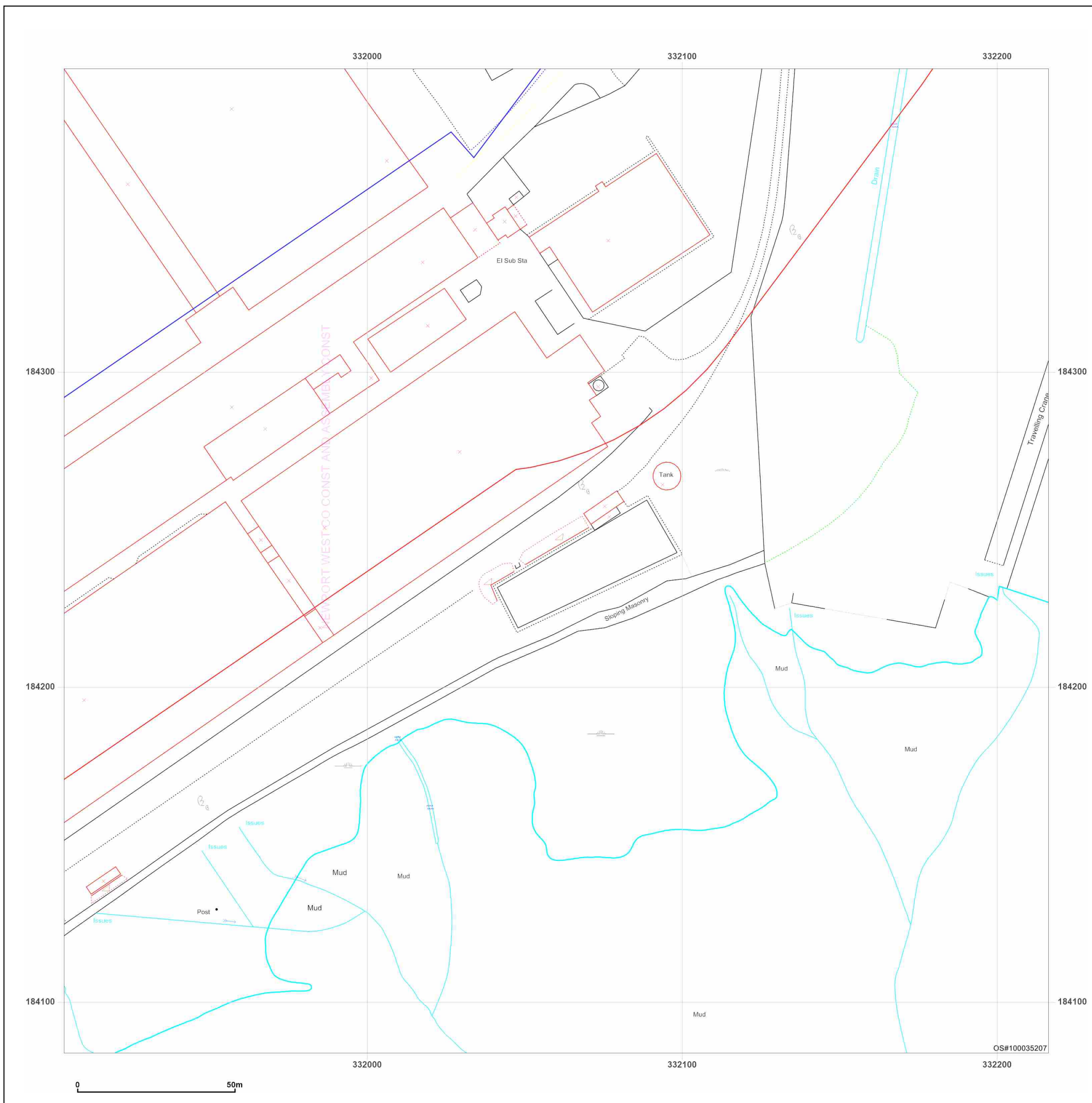


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Appendix E

SUPPORTING DESK STUDY INFORMATION

Preliminary Unexploded Ordnance (UXO) Risk Assessment

Project Name	Proposed Cemminerals Facility, South Docks, Newport
Client	RSK
Site Address	Proposed Cemminerals Facility, South Docks, Newport, NP20 2WF
Report Reference	PA10337a-00
Date	03/10/2023
Author	WF
Quality Assurance	HW

1st Line Defence

3 Maple Park, Essex Road, Hoddesdon. EN11 0EX

Tel +44 (0) 1992 245 020 Email info@1stlinedefence.co.uk

Web www.1stlinedefence.co.uk Company Reg No. 07717863



1ST LINE DEFENCE



Assessment Objective

This preliminary unexploded ordnance (UXO) risk assessment is a qualitative screening exercise to assess the likely potential of encountering UXO at the Proposed Cemminerals Facility, South Docks, Newport site. The assessment involves the consideration of the basic factors that affect the potential for UXO to be present at a site as outlined in Stage One of the UXO risk management process.

Background

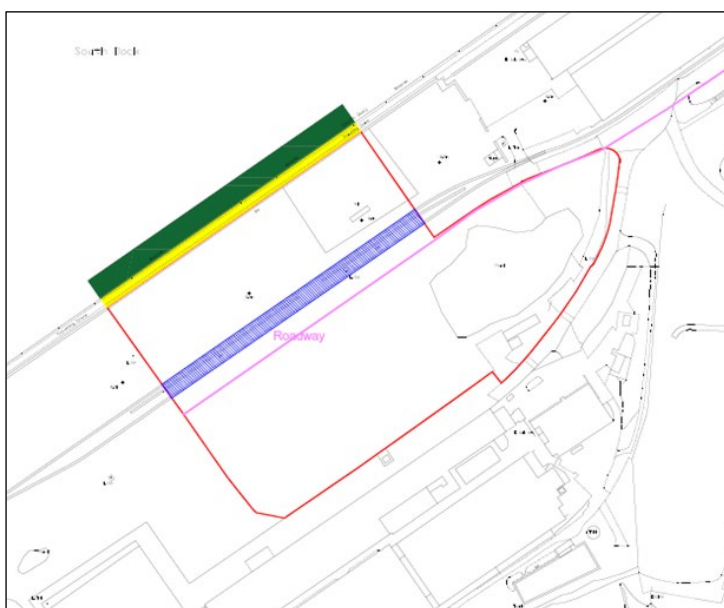
This assessment uses the sources of information available in-house to 1st Line Defence Ltd to enable the placement of a development site in context with events that may have led to the presence of German air-delivered or Allied military UXO. The report will identify any immediate necessity for risk mitigation or additional research in the form of a Detailed UXO Risk Assessment. It makes use of 1st Line Defence's extensive historical archives, library and unique geo-databases, as well as internet resources, and is researched and compiled by UXO specialists and graduate researchers.

The assessment directly follows CIRIA C681 guidelines "Unexploded Ordnance, a Guide for the Construction Industry". The document will therefore assess the following factors:

- Basic Site Data
- Previous Military Use
- Indicators of potential aerial delivered UXO threat
- Consideration of any Mitigating Factors
- Extent of Proposed Intrusive Works
- Any requirement for Further Work

It should be noted that the vast majority of construction sites in the UK will have a low or negligible risk of encountering UXO and should be able to be screened out at this preliminary stage. The report is meant as a common sense 'first step' in the UXO risk management process. The content of the report and conclusions drawn are based on basic, preliminary research using the information available to 1st Line Defence at the time this report was produced. It should be noted that the only way to entirely negate risk from UXO to a project would be to support the works proposed with appropriate UXO risk mitigation measures. It is rarely possible to state that there is absolutely 'no' risk from UXO to a project.

Site Boundary



Risk Assessment Considerations	
Site location and description/current use	The site is located in Newport, south Wales. According to recent aerial imagery, the site is currently occupied by a mixture of hardstanding and grass-covered ground, a small area of water in the sites eastern section, and a roadway intersecting the site from north-east to west. Immediately north of the site is water, east is further grass-covered and hardstanding ground, south are industrial buildings, and west is hardstanding ground and South Lock. The site is approximately centred on the OS grid reference: ST 31894 84389.
Are there any indicators of current/historical military activity on/close to the site?	According to online information, the 'Central Store' depot previously on site was utilised in WWI for the reconditioning of shell casts and ammunition boxes, and in WWII by the RAF.¹ The closest Heavy Anti-Aircraft (HAA) battery was positioned approximately 1.5km south-east of the site. The range of a fired projectile can be up to 15km. The conditions in which unexploded anti-aircraft ordnance may have fallen unrecorded are generally analogous to that of aerial delivered German bombs.
What was the pre- and post-WWII history of the site?	Pre-WWII OS mapping dated 1916 to 1917 indicates that the site encompassed two <i>Transit Sheds</i> and a <i>Central Store Depot</i>. Notable surrounding features include <i>South Dock</i> immediately north, <i>Pilot's Pill</i> to the east and <i>South Lock</i> to the west. Post-WWII OS mapping dated 1948 to 1950 shows no significant deviation to the site or its immediate vicinity.
Was the area subject to bombing during WWII?	During WWII, the site was situated in the County Borough of Newport. According to official Home Office bombing statistics, this district sustained an overall low density of bombing with an average of 12 items dropped per 1,000 acres. This consists of 87 high explosive (HE) bombs and eight parachute mines, totalling 95 recorded incidents across 10,240 acres. Comprehensive records for the County Borough of Newport are not held in-house, however online accounts have been located that reference several incidents of bombing across Alexandra Docks, to which the site belongs.² Although the exact locations of these incidents could not be discerned, the recorded bombing in the general dock area suggests that the docks were a likely target for German aerial bombing.
Is there any evidence of bomb damage on/close to the site?	At this preliminary stage, it is not possible to assess the extent of any bomb damage on site, given the lack of damage records covering the area.
To what degree would the site have been subject to access?	Given that the site comprised three industrial structures and was located within the wider Alexandra Docks, an important industrial location during WWII, a frequent level of access and observation would have been likely at the outbreak of the war. However, following bombing on the docks, it is possible that the level of access and observation on site would have significantly reduced or ceased altogether, considering that evacuations often occurred in the immediate area following bombing, until it was deemed safe to return. Although the site was of industrial importance, meaning evacuations were likely short; any diminishment of access increases the likelihood that UXO could go unrecorded.

¹ https://www.llyw.cymru/sites/default/files/publications/2017-11/m4-corridor-around-newport-environmental-statement-appendix-8.5-newport-docks-historic-built-e_0.pdf (page 77/96)

² http://www.thisisnotwent.co.uk/newport_bombings_1940_1941.htm

To what degree has the site been developed post-WWII?	Post-WWII, the buildings on site during WWII have been demolished and no structures remain on site.
What is the nature and extent of the intrusive works proposed?	Proposed works are believed to include the development of a Cemminerals Facility, although the exact nature and extent of intrusive works was not available at the time of writing.

Summary and Conclusions

During WWII, the site was located within the County Borough of Newport. According to official Home Office bombing statistics, this area sustained an overall low density of bombing, with an average of 12.9 items of ordnance per 1,000 acres. Comprehensive records for the County Borough of Newport are not held in-house, however online accounts have been located that reference several incidents of bombing across Alexandra Docks, to which the site belongs.

Furthermore, according to online information, the 'Central Store' depot building previously on site was utilised in WWI for the reconditioning of shell casts and ammunition boxes and in WWII by the RAF.

Given these references, further research is required to advance the understanding of the site area and fully assess the potential risk of both Allied and German-delivered UXO.

Recommendations

Given the findings of this preliminary report, it is recommended that **further research** be undertaken in the form of a **Detailed UXO Risk Assessment**. Further research is deemed necessary in order to confirm the exact wartime conditions of the site area and subsequently the risk that signs of UXO could have gone unnoticed within and bordering the site boundary. Further investigation would entail archive visits to consult additional records, including any available written documents, historical mapping and high-resolution WWII-era aerial photography.

Prior to or in lieu of a Detailed Assessment, it is recommended that appropriate UXO Risk Mitigation Measures are provided for intrusive works proposed.

If the client has any anecdotal or empirical evidence of UXO risk on site, please contact 1st Line Defence.

This report has been prepared by 1st Line Defence Limited with all reasonable care and skill. The report contains historical data and information from third party sources. 1st Line Defence Limited has sought to verify the accuracy and comprehensiveness of this information where possible but cannot be held accountable for any inherent errors. Furthermore, whilst every reasonable effort has been made to locate and access all relevant historical information, 1st Line Defence cannot be held responsible for any changes to risk level or mitigation recommendations resulting from documentation or other information which may come to light at a later date.

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Email info@1stlinedefence.co.uk

Web www.1stlinedefence.co.uk



1ST LINE DEFENCE

Tony Morton

From: Manning, Steve (Senior Scientific Officer) <Steve.Manning@newport.gov.uk>
Sent: 23 October 2023 13:19
To: Tony Morton
Subject: RE: Saica Pack UK Ltd, 21 East Way Road, Alexandra Docks, Newport

CAUTION: This email originated from outside the Organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Tony

The subject site has been amended in terms of its outline to match that of your image (see below). The search outputs remain the same thankfully.

I hope this clarifies things a little better.



If there is any further information you require please do not hesitate to contact me.

Kind Regards
Steve

Steve Manning MSc CEnvH MCIEH
Senior Scientific Officer

Amgylchedd a Diogelu'r Cyhoedd / Environment & Public Protection
Cyngor Dinas Casnewydd / Newport City Council
Civic Centre
Godfrey Road
Newport NP20 4UR
steve.manning@newport.gov.uk

From: Tony Morton <tmorton@rsk.co.uk>
Sent: Monday, October 23, 2023 12:04 PM
To: Manning, Steve (Senior Scientific Officer) <Steve.Manning@newport.gov.uk>
Subject: RE: Saica Pack UK Ltd, 21 East Way Road, Alexandra Docks, Newport

Thanks Steve

Does the information that you have sent through also relate to the red-line boundary shown in the attached ppt?

Many thanks

Tony

Tony Morton BSc MSc CGeol FGS SiLC
Associate Director



RSK
The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB, UK

Switchboard: +44 (0)117 947 1006
Mobile: +44 (0) 7917 425262
email: tmorton@rsk.co.uk

<http://www.rsk.co.uk>

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Registered number: 115530

Global provider of environmental consultancy, health and safety, and ground engineering services

RANKED TOP CONTAMINATED LAND AND REMEDIATION CONSULTANCY IN 2014 by Environment Analyst.



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AWARD FOR ENTERPRISE:
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Before printing think about your responsibility and commitment to the ENVIRONMENT!

From: Manning, Steve (Senior Scientific Officer) <Steve.Manning@newport.gov.uk>

Sent: Monday, October 23, 2023 11:10 AM

To: Tony Morton <tmorton@rsk.co.uk>

Subject: Saica Pack UK Ltd, 21 East Way Road, Alexandra Docks, Newport

CAUTION: This email originated from outside the Organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Tony

I have looked at the information we hold and can confirm that land at Saica Pack UK Ltd, 21 East Way Road, Alexandra Docks, Newport (outlined in green on mapping below) is not the subject of any contaminated land investigations and has not been determined as contaminated land.



The questions asked in the search have been answered below in red text.

Question 1

Do you have any information on historical or current contamination at or within 250m of the subject site arising from former site use or surrounding area activities?

The site is in proximity to other former dock transit sheds and an infilled meander the contents of which are unknown.

Question 2

Do you have information on any historical or current landfilling within 250m of the site, and are there any associated issues with leaching or migration of contamination/ground gas?

No official landfilling, only the infilled meander.

Question 3

Details of any petroleum storage including details of tank decommissioning (refer to Petroleum Licensing Officer)

None

Question 4

Private water supply records.

There are no private water supplies within 2km of the subject site.

Question 5

Details of any Pollution Prevention and Control Act records / other permits or licenses held for the property.

Batching plants run by Cemex and Breedon respectively are in the locality of this site.

Informative.

This information is provided after appropriate enquiries and represents a summary of the information available to this department at the time of the enquiry. It is provided on the understanding that the council does not guarantee its accuracy. Neither the council, any officer or agent is legally responsible for any discrepancy, error or omission; whether arising from inaccuracy, negligence or any other cause whatsoever.

Kind Regards

Steve

Steve Manning MSc CEnvH MCIEH

Senior Scientific Officer

Amgylchedd a Diogelu'r Cyhoedd / Environment & Public Protection

Cyngor Dinas Casnewydd / Newport City Council

Civic Centre

Godfrey Road

Newport NP20 4UR

steve.manning@newport.gov.uk

Mae'r Cyngor yn croesawu gohebiaeth yn Gymraeg, Saesneg neu yn y ddwy iaith. Byddwn yn cyfathrebu â chi yn ôl eich dewis. Ni fydd gohebu yn Gymraeg yn arwain at oedi.

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Mae'r e-bost hwn yn cynnwys gwybodaeth y bwriedir ar gyfer y derbynnydd yn unig a gall fod yn gyfrinachol, yn destun ragorffaint gyfreithiol neu broffesiynol, neu fel arall wedi'i diogelu rhag cael ei rhyddhau. Os nad chi yw derbynnydd bwriadedig y neges hon, a fydddech cystal â rhoi gwybod i'r anfonwr ar unwaith a pheidio â datgelu, dosbarthu neu gopïo'r e-bost i unrhyw barti arall. Mae'r e-bost hon ac unrhyw ffeiliau atodedig yn eiddo i Gyngor Dinas Casnewydd.

Pan fyddwch yn anfon e-bost at Gyngor Dinas Casnewydd, rydych yn cydsynio i'r Cyngor fonitro a darllen unrhyw e-byst o'r fath at ddibenion cydymffurfio â diogelwch ac â deddfwriaeth. I weld yr ymwadiad llawn ewch i <http://www.newport.gov.uk/ymwadiad>

Mae'r Cyngor yn croesawu gohebiaeth yn Gymraeg, Saesneg neu yn y ddwy iaith. Byddwn yn cyfathrebu â chi yn ôl eich dewis. Ni fydd gohebu yn Gymraeg yn arwain at oedi.

The Council welcomes correspondence in English or Welsh or both, and will respond to you according to your preference. Corresponding in Welsh will not lead to delay.

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Mae'r e-bost hwn yn cynnwys gwybodaeth y bwriedir ar gyfer y derbynnydd yn unig a gall fod yn gyfrinachol, yn destun ragorffaint gyfreithiol neu broffesiynol, neu fel arall wedi'i diogelu rhag cael ei rhyddhau. Os nad chi yw derbynnydd bwriadedig y neges hon, a fydddech cystal â rhoi gwybod i'r anfonwr ar unwaith a pheidio â datgelu, dosbarthu neu gopïo'r e-bost i unrhyw barti arall. Mae'r e-bost hon ac unrhyw ffeiliau atodedig yn eiddo i Gyngor Dinas Casnewydd.

Pan fyddwch yn anfon e-bost at Gyngor Dinas Casnewydd, rydych yn cydsynio i'r Cyngor fonitro a darllen unrhyw e-byst o'r fath at ddibenion cydymffurfio â diogelwch ac â deddfwriaeth. I weld yr ymwadiad llawn ewch i <http://www.newport.gov.uk/ymwadiad>

APPENDIX B

WINDOW SAMPLE LOGS

Location :
Newport

Client: Associated British Ports

Coordinates :

Hole Type :
WS

Equipment : DSHP

Diameter of Casing : 100 mm

Level : -

Scale :
1:50

Diameter of Boring : 100mm

Depth of Casing : 4.00 mBGL

Dates
19/08/2011

Logged By :
TD

[illegible]

Remarks :
Groundwater not encountered

Key :

D - Small disturbed sample	W - Water sample
B - Bulk disturbed sample	U - Undisturbed sample
ES - Environmental soil sample	TCR - Total Core Recovery
SPT - Standard Penetration Test (split spoon)	SCR - Solid Core Recovery
CPT - Standard Penetration Test (solid cone)	RQD - Rock Quality Designation

W - Water sample

U - Undisturbed sample

TCR - Total Core Recovery

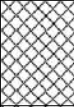
n) SCR - Solid Core Recovery



 Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com		Project Name : NRFT Shed		Project No.: 10887		Borehole No.: BH8 Sheet 1 of 1	
Location : Newport		Client: Associated British Ports		Coordinates : - -		Hole Type : WS	
Equipment : DSHP		Diameter of Casing : 100 mm		Level : -		Scale : 1:50	
Diameter of Boring : 100mm		Depth of Casing : 2.00 mBGL		Dates 19/08/2011		Logged By : TD	

Well	Water Strikes	Samples & In-situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.90-1.40	D				MADE GROUND: Blacktop over concrete MADE GROUND: Dense pink/grey sandy gravel (possibly sub-base) MADE GROUND: Dense black sand MADE GROUND: Dense grey sandy gravel Refusal at 2.0m End of Borehole at 2.00 m	0 1 2 3 4 5 6 7 8 9 10	
		Depth (m)	Type	Results					

Remarks : Groundwater not encountered		Key : D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample SPT - Standard Penetration Test (split spoon) CPT - Standard Penetration Test (solid cone)	W - Water sample U - Undisturbed sample TCR - Total Core Recovery SCR - Solid Core Recovery RQD - Rock Quality Designation	
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 Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com				Project Name : NRFT Shed				Project No.: 10887		Borehole No.: BH9 Sheet 1 of 1	
Location : Newport				Client: Associated British Ports				Coordinates : - -		Hole Type : WS	
Equipment : DSHP				Diameter of Casing : 100 mm				Level : -		Scale : 1:50	
Diameter of Boring : 100mm				Depth of Casing : 3.10 mBGL				Dates 19/08/2011		Logged By : TD	
Well	Water Strikes	Samples & In-situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description			
		Depth (m)	Type	Results							
		0.70-1.00	D				 MADE GROUND: Blacktop over concrete	0			
							 MADE GROUND: Medium dense to dense black gravel of ash	1			
							 Soft to firm becoming soft grey slightly sandy CLAY	2			
							 Medium dense to dense medium to coarse GRAVEL Refusal at 3.1m End of Borehole at 3.10 m	3			
								4			
								5			
								6			
								7			
								8			
								9			
								10			
Remarks : Groundwater not encountered							Key : D - Small disturbed sample W - Water sample B - Bulk disturbed sample U - Undisturbed sample ES - Environmental soil sample TCR - Total Core Recovery SPT - Standard Penetration Test (split spoon) SCR - Solid Core Recovery CPT - Standard Penetration Test (solid cone) RQD - Rock Quality Designation				



 Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com				Project Name : NRFT Shed				Project No.: 10887		Borehole No.: BH10 Sheet 1 of 1	
Location : Newport				Client: Associated British Ports				Coordinates : - -		Hole Type : WS	
Equipment : DSHP				Diameter of Casing : 100 mm				Level : -		Scale : 1:50	
Diameter of Boring : 100mm				Depth of Casing : 4.00 mBGL				Dates 19/08/2011		Logged By : TD	
Well	Water Strikes	Samples & In-situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description			
		Depth (m)	Type	Results							
		0.60-0.70	D		0.45 0.60 0.70		 MADE GROUND: Blacktop over concrete  MADE GROUND: Loose to medium dense black/grey slightly sandy gravel  MADE GROUND: Medium dense to dense light grey sandy gravel Soft to firm becoming soft grey silty CLAY with occasional lenses of sand	0 1 2 3 4 5 6 7 8 9 10			
					4.00		End of Borehole at 4.00 m				
		Depth (m)	Type	Results							
Remarks : Groundwater not encountered							Key : D - Small disturbed sample W - Water sample B - Bulk disturbed sample U - Undisturbed sample ES - Environmental soil sample TCR - Total Core Recovery SPT - Standard Penetration Test (split spoon) SCR - Solid Core Recovery CPT - Standard Penetration Test (solid cone) RQD - Rock Quality Designation				

