

Site Details:

NEWPORT CONTAINER VALET,
EASTERN DRY DOCK,
CORPORATION ROAD,
NEWPORT, NP19 4RE

Client Ref: LE19390
Report Ref: GS-6201611
Grid Ref: 332873, 185539

Map Name: County Series

Map date: 1900

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1881
Revised 1900
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1881
Revised 1900
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1881
Revised 1900
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1882
Revised 1900
Edition N/A
Copyright N/A
Levelled N/A

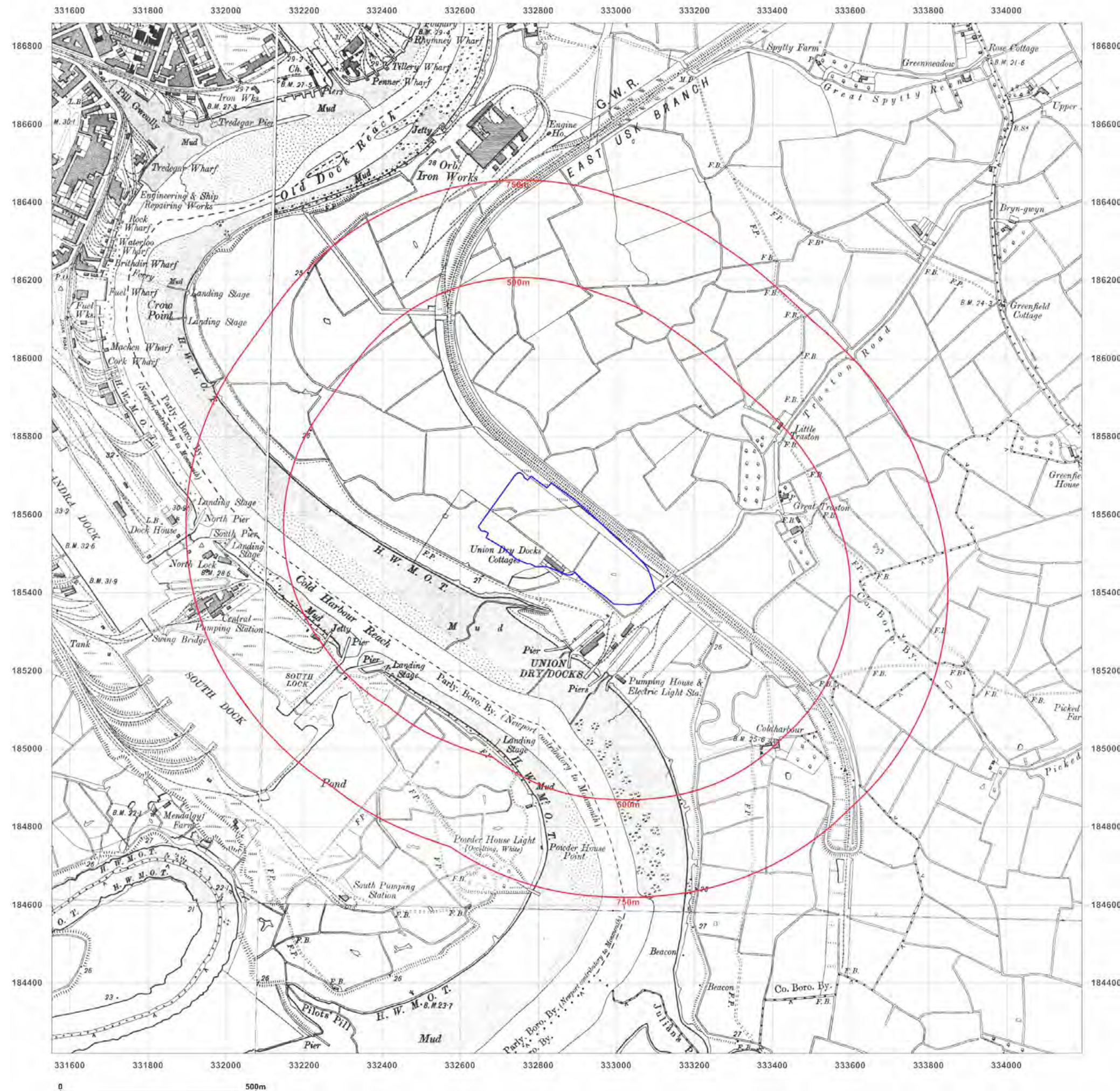


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Production date: 26 July 2019

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EASTERN DRY DOCK,
CORPORATION ROAD,
NEWPORT, NP19 4RE

Client Ref: LE19390
Report Ref: GS-6201611
Grid Ref: 332873, 185539

Map Name: County Series

Map date: 1920-1922

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1881
Revised 1920
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1881
Revised 1920
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1885
Revised 1922
Edition 1922
Copyright N/A
Levelled N/A

Surveyed 1885
Revised 1920
Edition 1922
Copyright N/A
Levelled 1900

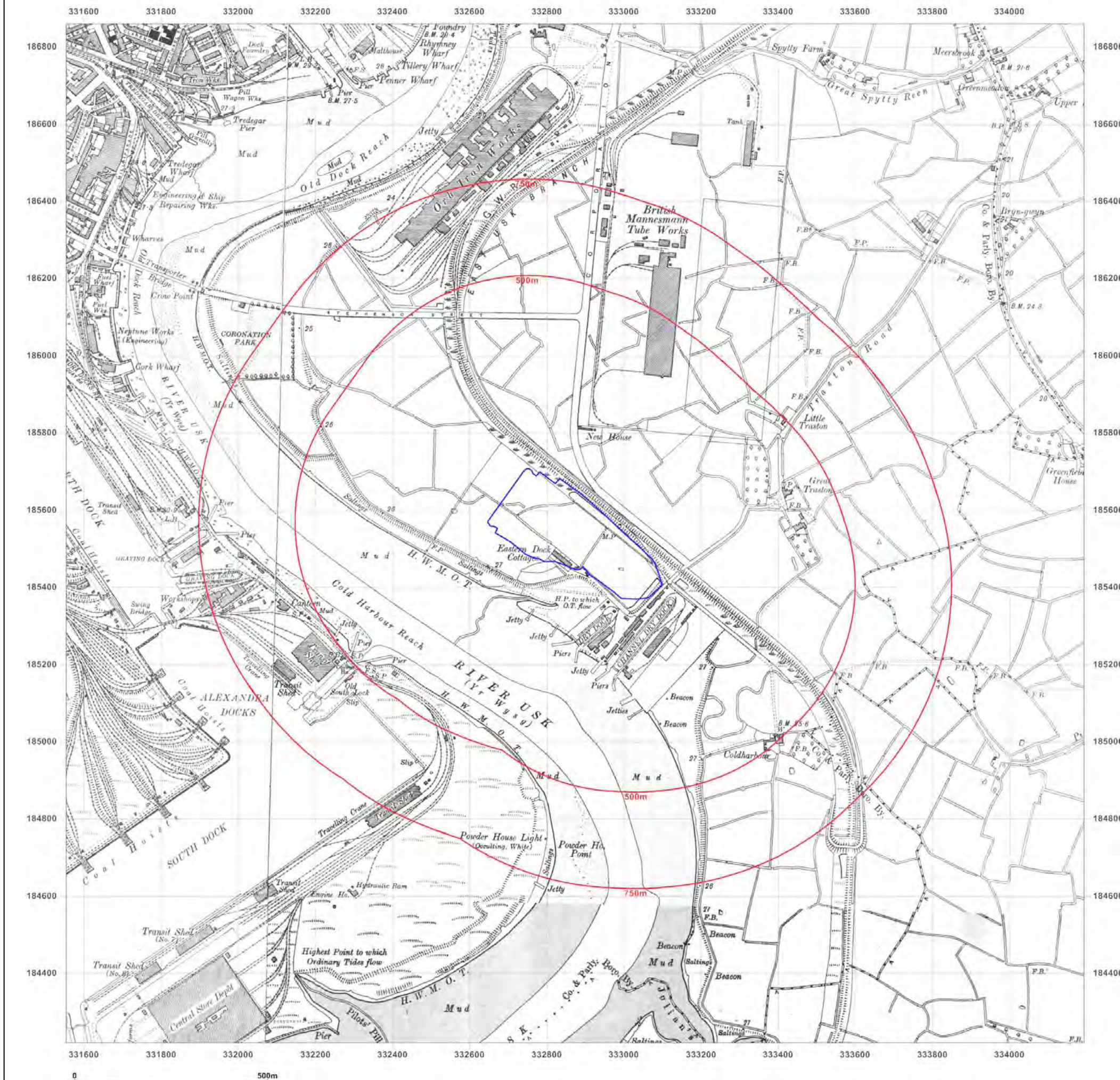


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NEWPORT, NP19 4RE

Client Ref: LE19390
Report Ref: GS-6201611
Grid Ref: 332873, 185539

Map Name: County Series

Map date: 1922

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1874
Revised 1922
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1885
Revised 1922
Edition N/A
Copyright N/A
Levelled N/A

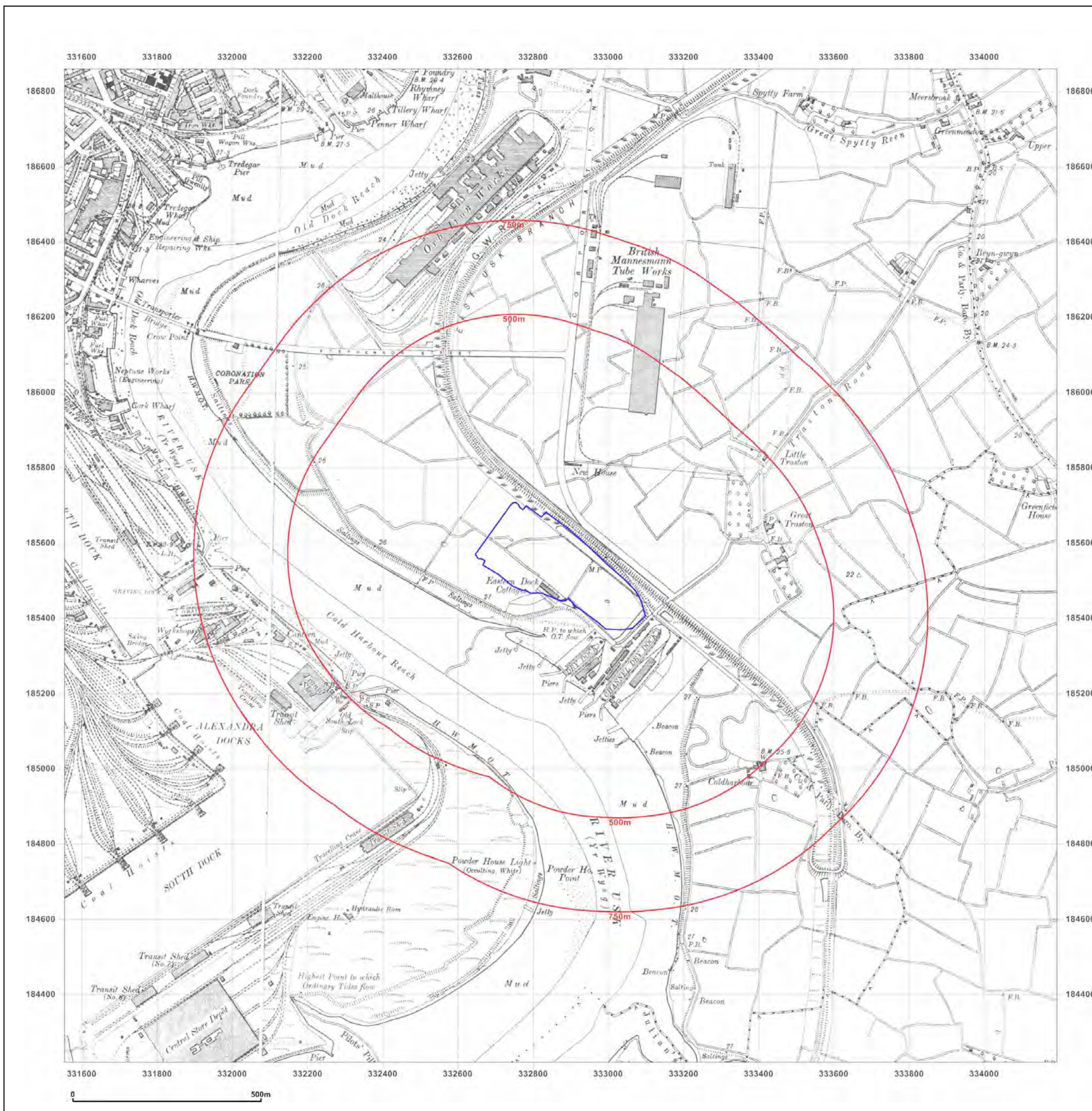


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NEWPORT, NP19 4RE

Client Ref: LE19390
Report Ref: GS-6201611
Grid Ref: 332873, 185539

Map Name: County Series

Map date: 1938

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1881
Revised 1938
Edition N/A
Copyright N/A
Levelled 1900

Surveyed 1881
Revised 1938
Edition N/A
Copyright N/A
Levelled 1900

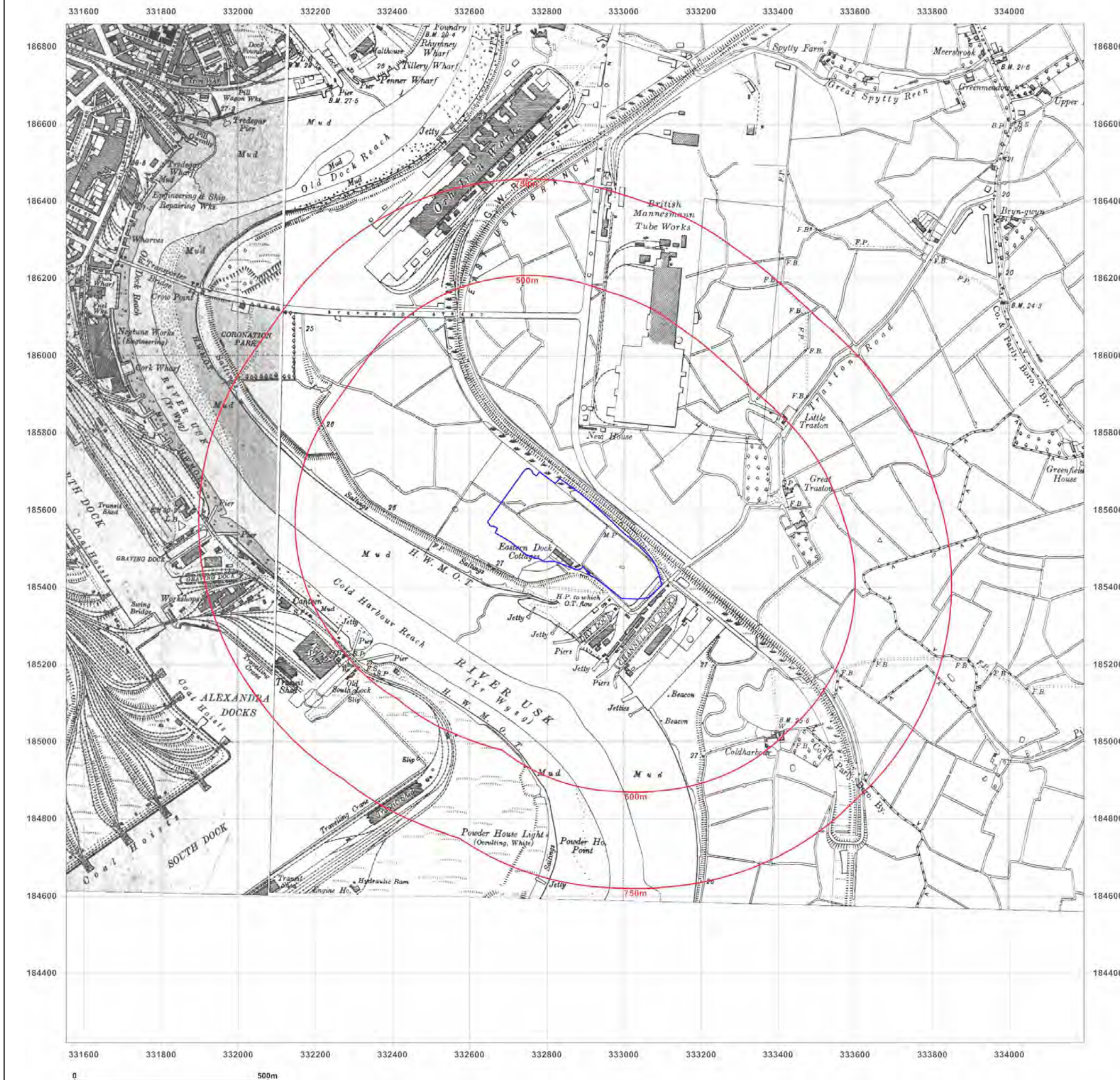


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NEWPORT, NP19 4RE

Client Ref: LE19390
Report Ref: GS-6201611
Grid Ref: 332873, 185539

Map Name: County Series

Map date: 1949-1950

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1881
Revised 1949
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1881
Revised 1949
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1885
Revised 1950
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1885
Revised 1949
Edition N/A
Copyright N/A
Levelled N/A

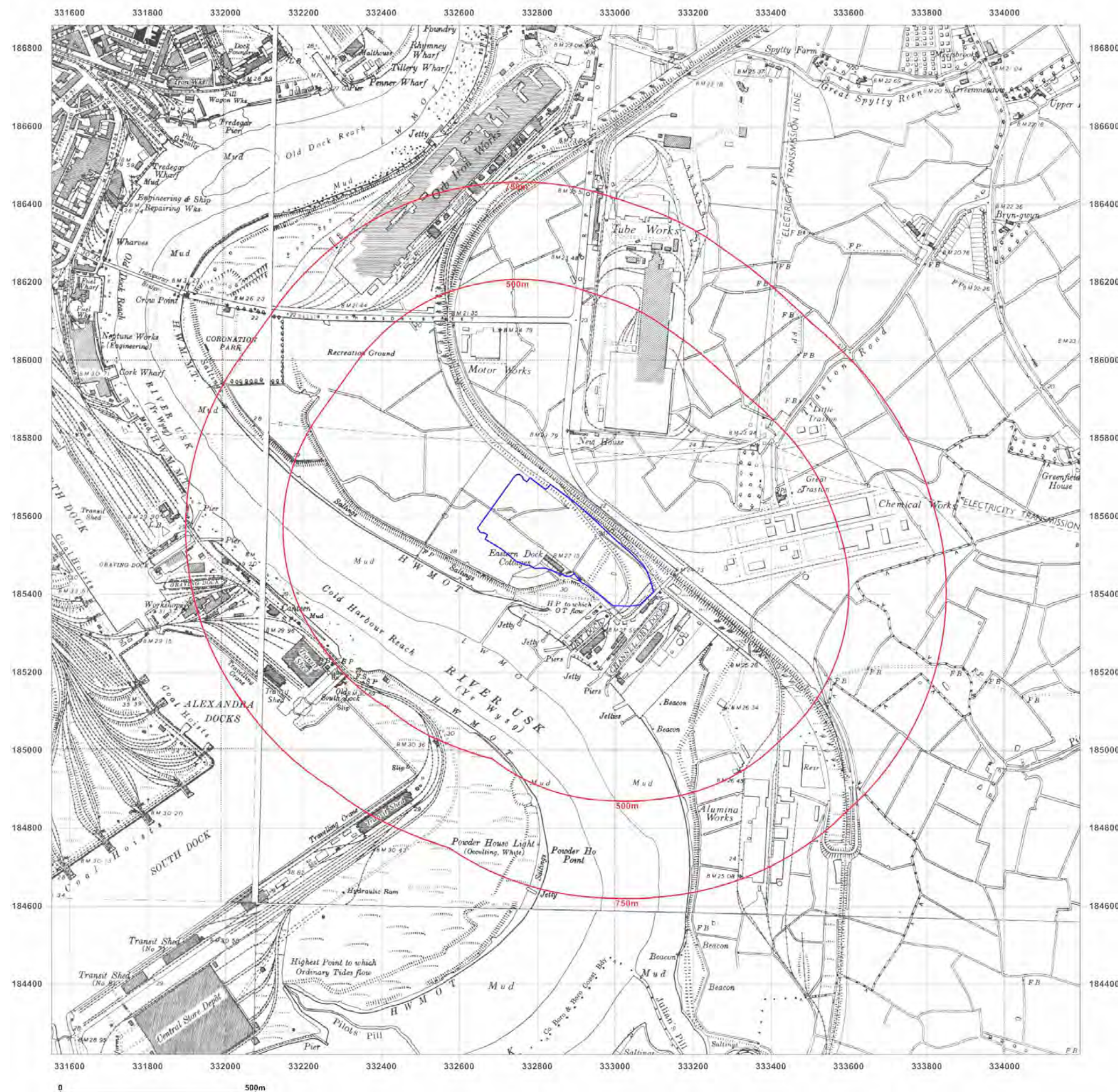


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NEWPORT, NP19 4RE

Client Ref: LE19390
Report Ref: GS-6201611
Grid Ref: 332873, 185539

Map Name: Provisional

Map date: 1964-1965

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1962
Revised 1963
Edition N/A
Copyright 1965
Levelled 1964

Surveyed N/A
Revised 1956
Edition 1964
Copyright 1964
Levelled N/A

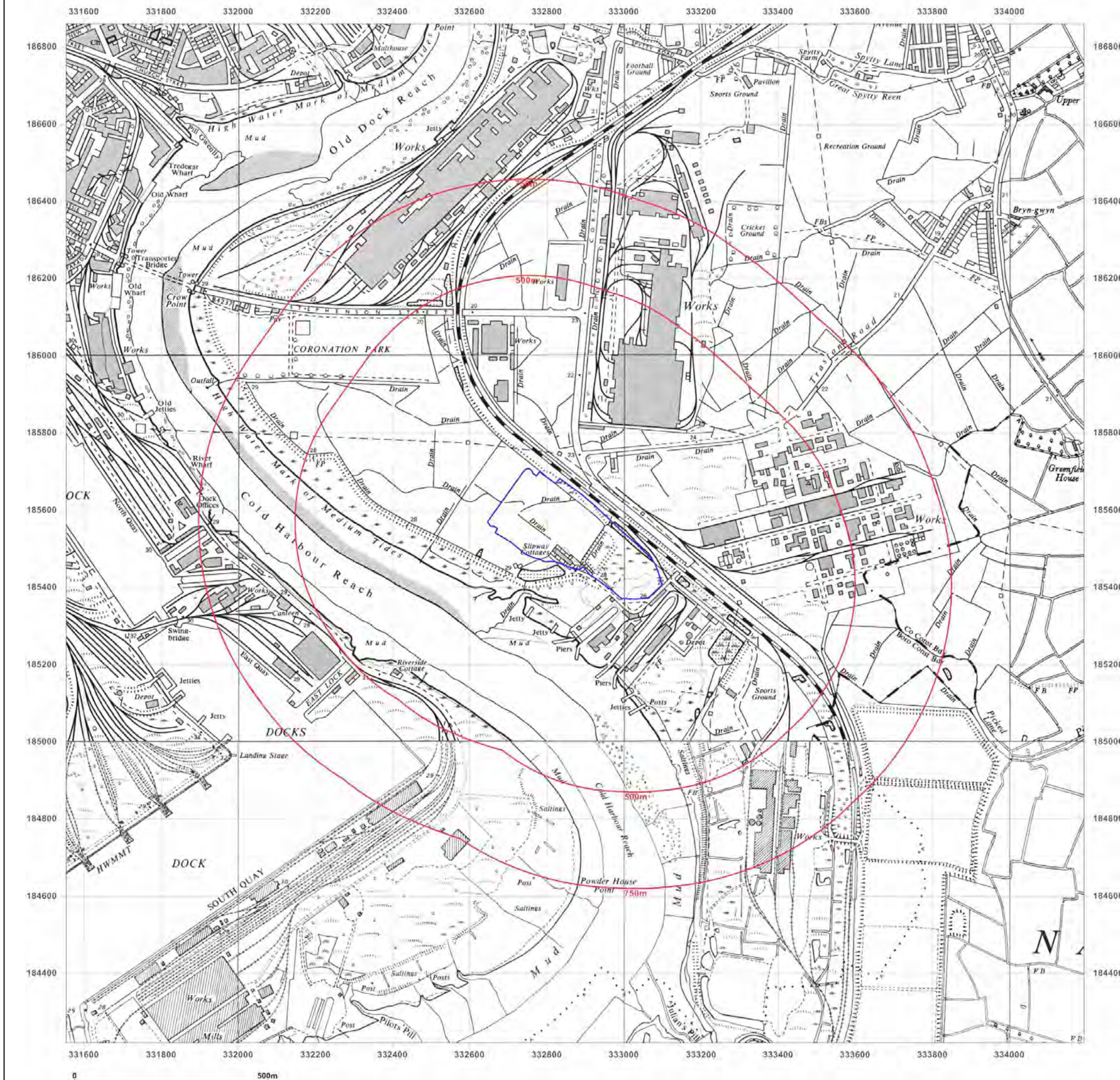


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NEWPORT, NP19 4RE

Client Ref: LE19390
Report Ref: GS-6201611
Grid Ref: 332873, 185539

Map Name: National Grid

Map date: 1973

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1973
Revised 1973
Edition N/A
Copyright N/A
Levelled N/A

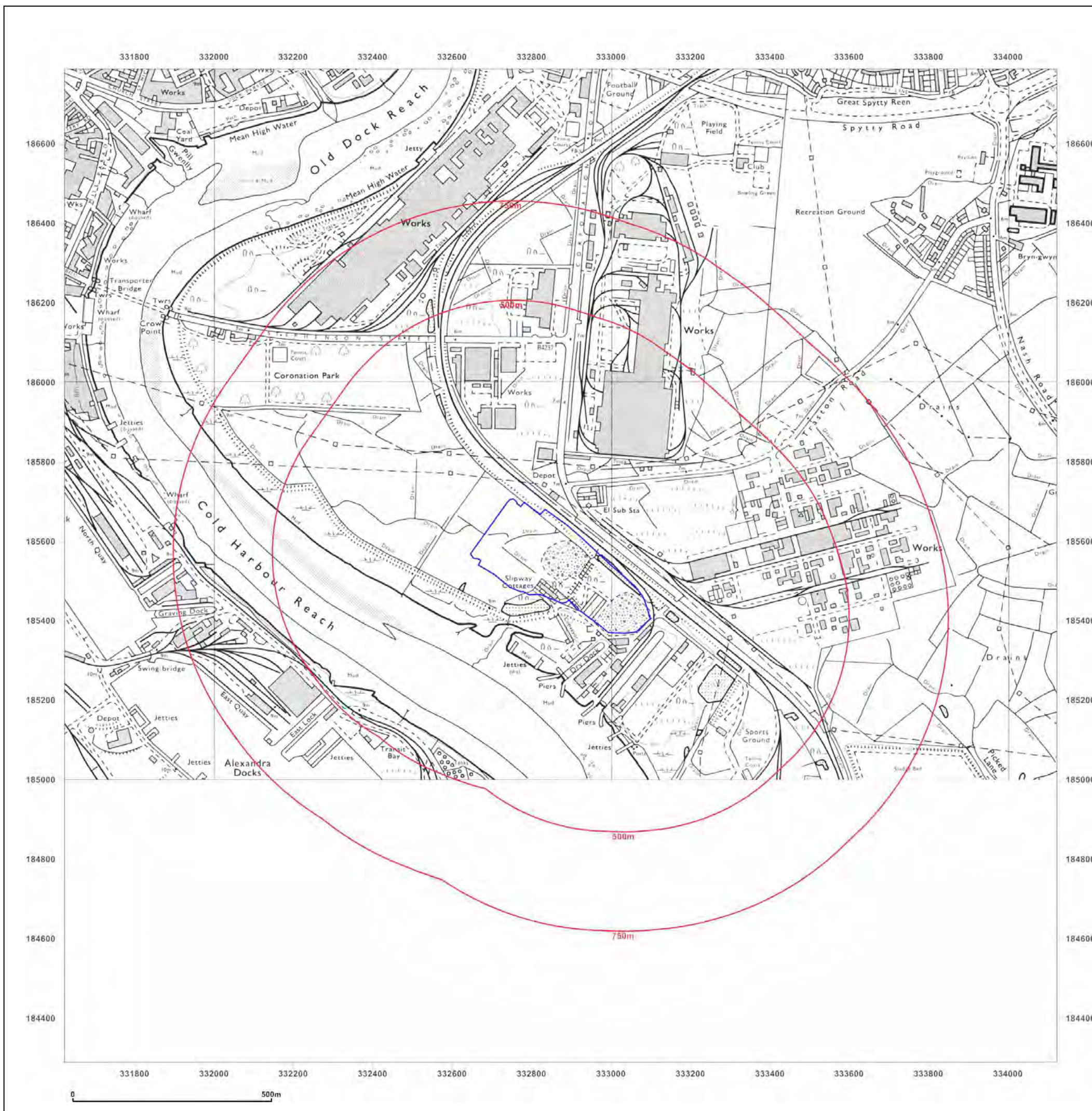


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NEWPORT, NP19 4RE

Client Ref: LE19390
Report Ref: GS-6201611
Grid Ref: 332873, 185539

Map Name: National Grid

Map date: 1985

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1984
Revised 1985
Edition N/A
Copyright N/A
Levelled N/A

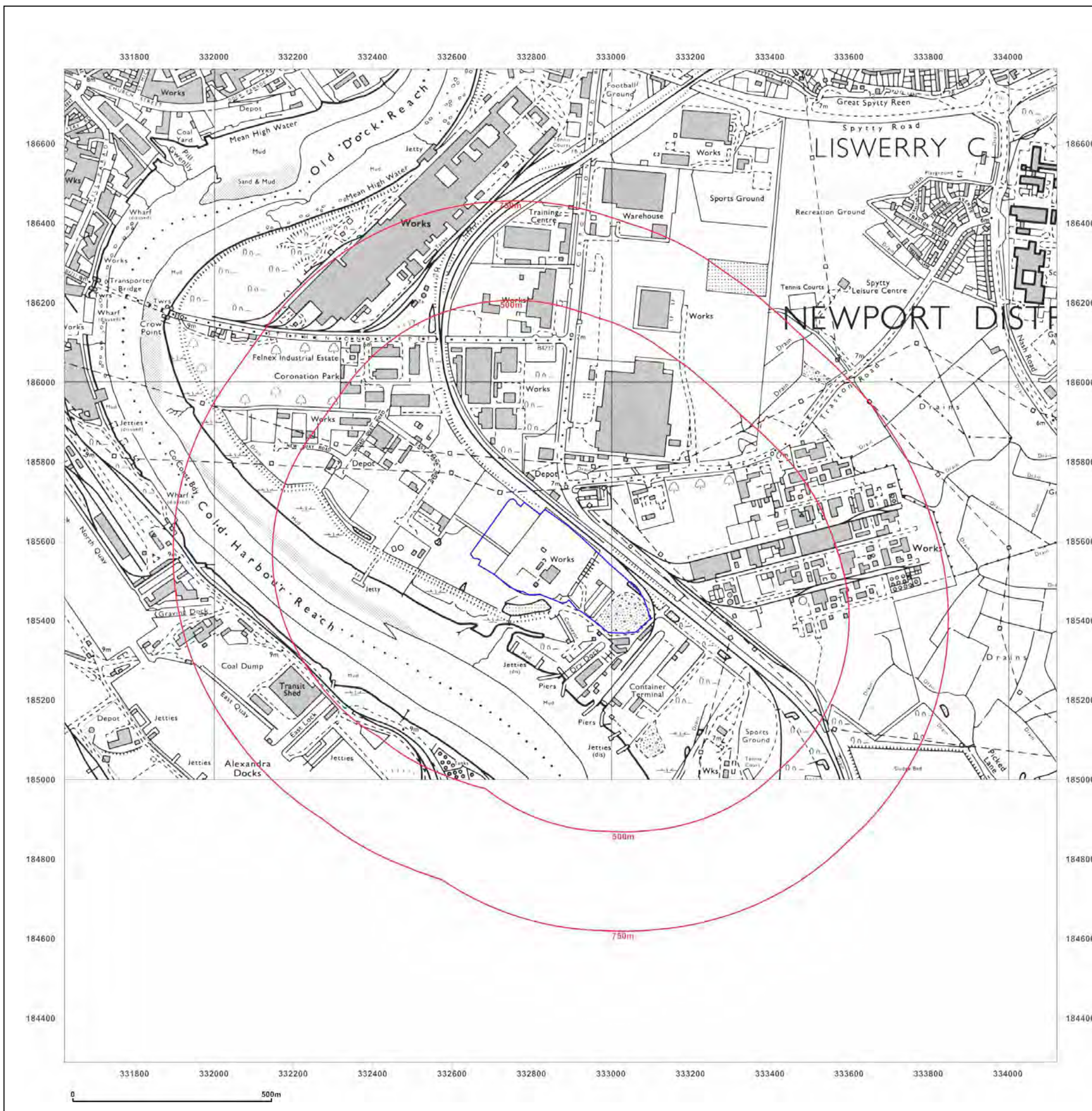


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NEWPORT, NP19 4RE

Client Ref: LE19390
Report Ref: GS-6201611
Grid Ref: 332873, 185539

Map Name: 1:10,000 Raster

Map date: 2002

Scale: 1:10,000

Printed at: 1:10,000

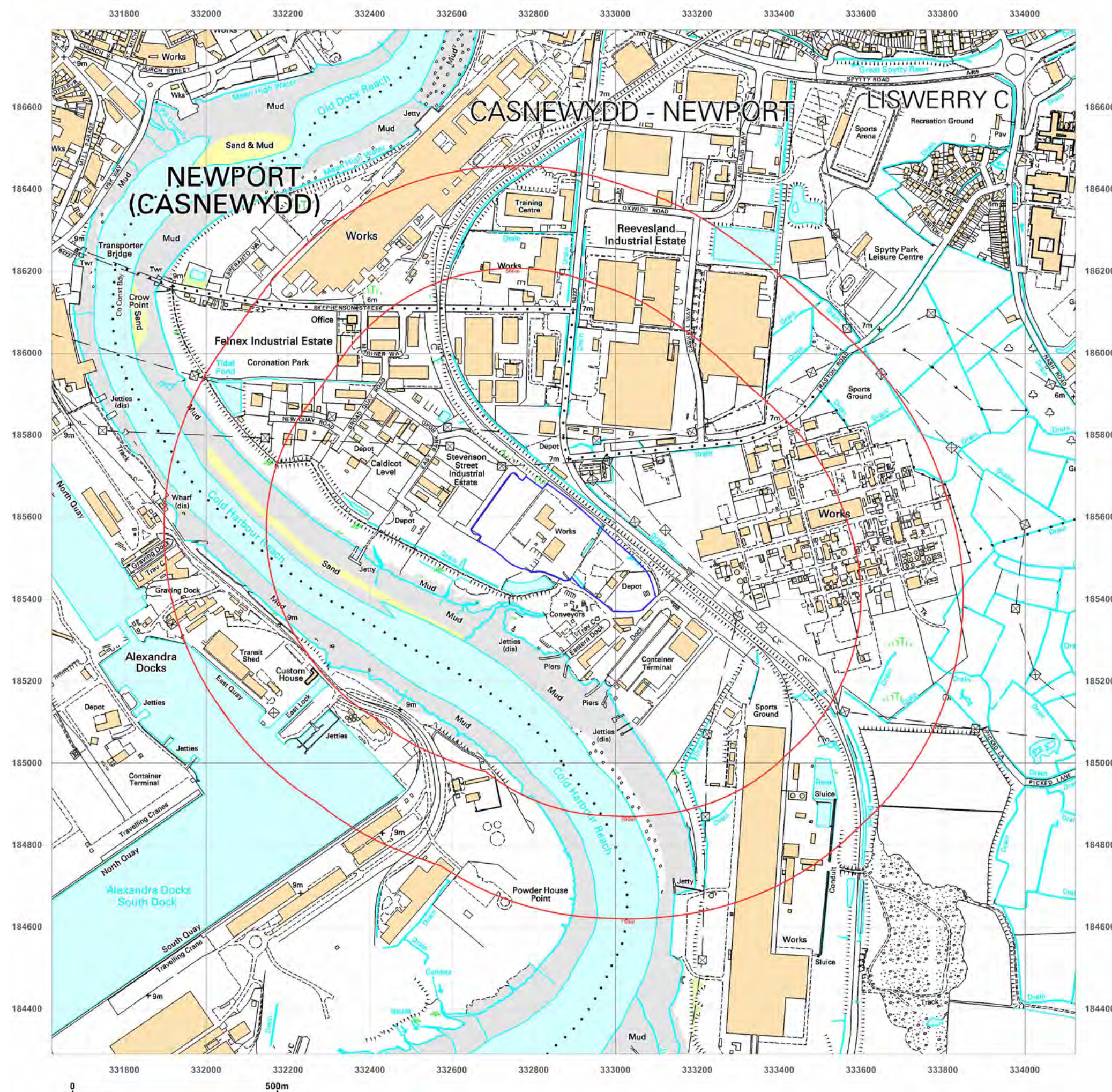


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CORPORATION ROAD,
NEWPORT, NP19 4RE

Client Ref: LE19390
Report Ref: GS-6201611
Grid Ref: 332873, 185539

Map Name: National Grid

Map date: 2010

Scale: 1:10,000

Printed at: 1:10,000

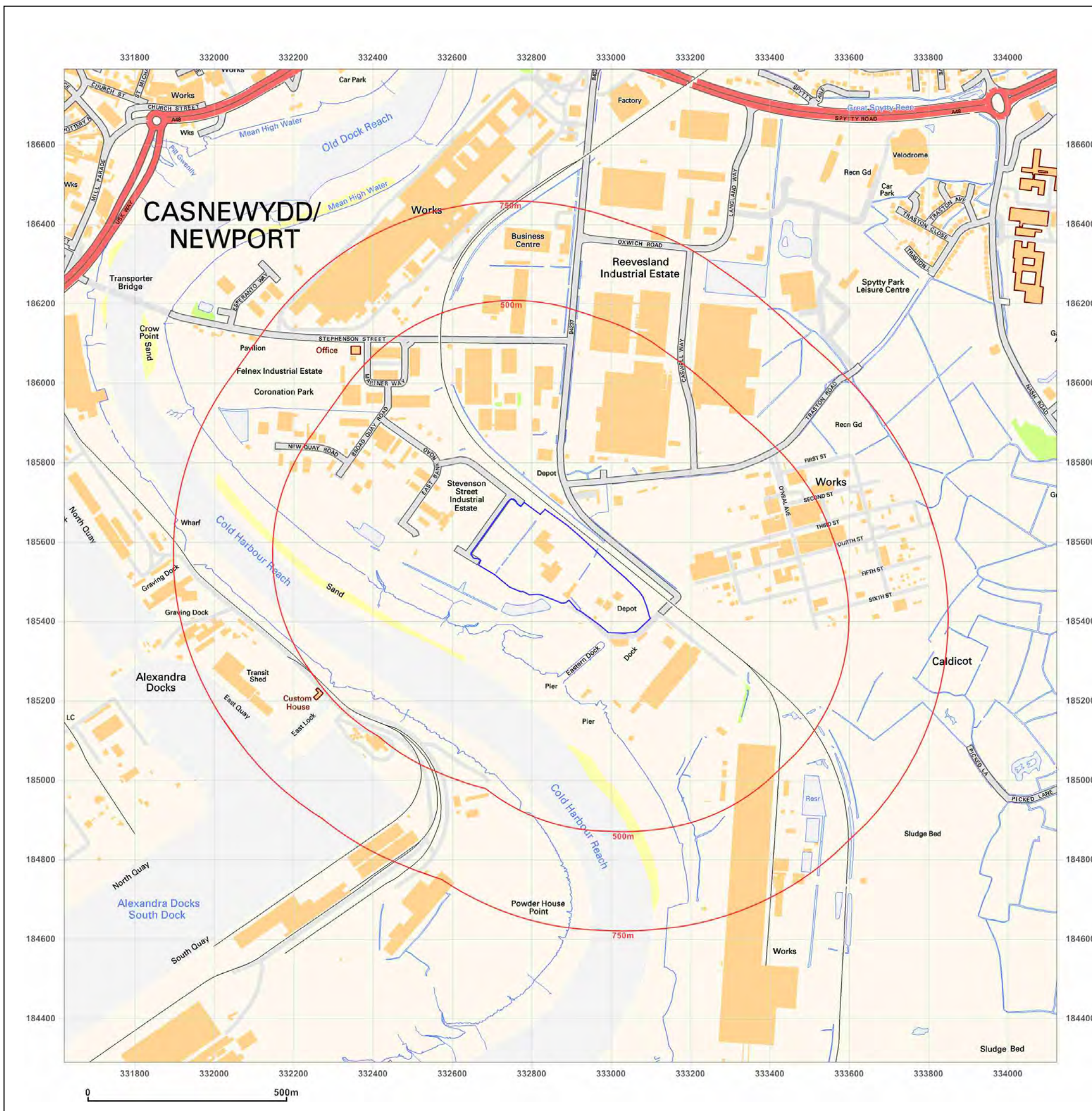


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Client Ref: LE19390
Report Ref: GS-6201611
Grid Ref: 332873, 185539

Map Name: National Grid

Map date: 2014

Scale: 1:10,000

Printed at: 1:10,000

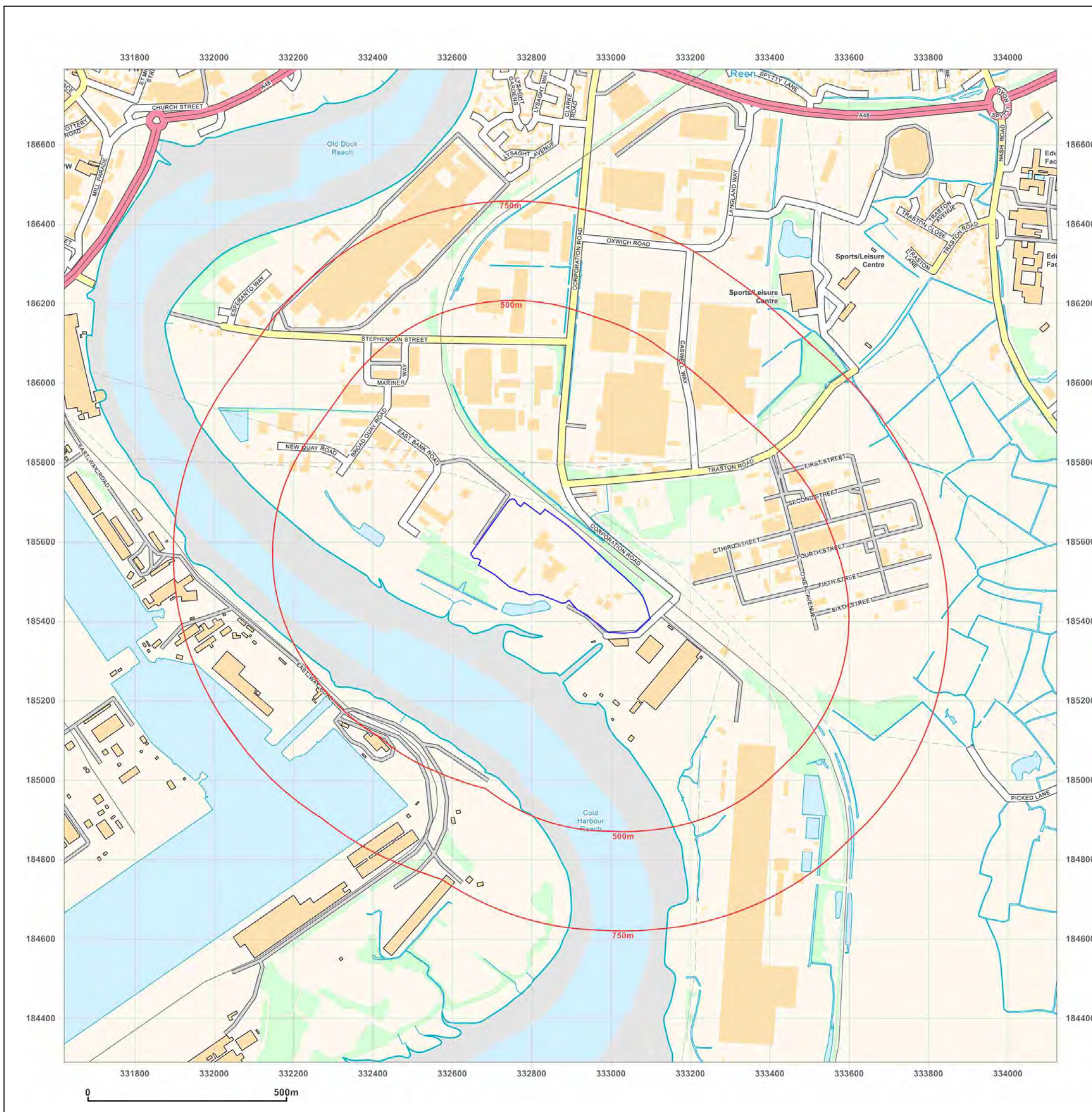


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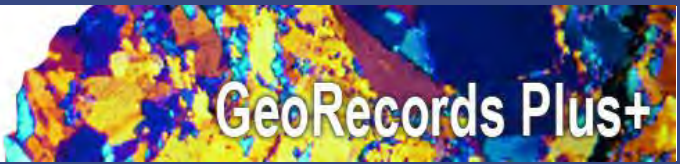




APPENDIX E – BGS BOREHOLE LOGS



**British
Geological Survey**
NATURAL ENVIRONMENT RESEARCH COUNCIL



GeoRecords Plus+

**Simon Eden
Arndale Court
Headingley
Leeds
LS6 2UJ
United Kingdom**

Borehole Data Pack:

This package provides additional data relating to your selected borehole record ordered via GeoRecordsPlus. It provides index listings of other information held in some key BGS databases for your site and a geological map extract for the surrounding area, taken from the 1:50,000 scale BGS digital geological map of Great Britain (DiGMapGB-50).

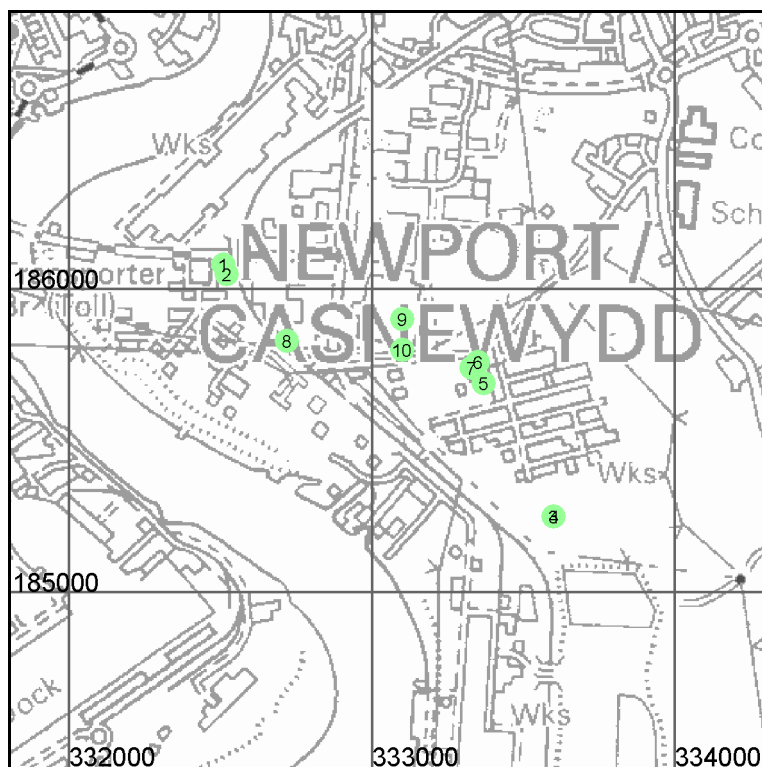
It should be noted that this package is not a comprehensive listing of all BGS data holdings and other data may be available. Note that index data is also accessible through the BGS Internet Geoscience Data Index on the BGS website at www.bgs.ac.uk If you wish to place an order for any of the index data please e-mail enquiries@bgs.ac.uk

Report Id: *BH_117173_1*

Client reference:

Borehole location map

This map shows the locations of the boreholes you have ordered.



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Scale: 1:25 000 (1cm = 250 m)

Key

Number on Map	Borehole Number
1	ST38NW232
2	ST38NW233
3	ST38NW235
4	ST38NW237
5	ST38NW63
6	ST38NW65
7	ST38NW66
8	ST38NW68
9	ST38NW112
10	ST38NW113

Geological Map Extracts

This part of the pack contains extracts of geological maps taken from the 1:50 000 scale BGS Digital Geological Map of Great Britain (DiGMapGB-50). The geological information in DiGMapGB is separated into four themes: artificial ground, landslide deposits, superficial deposits and bedrock, shown here in separate maps. The fifth 'combined geology' map superimposes all four of these themes, to show the geological formations that occur at the surface, just beneath the soil.

More information about DiGMapGB-50 and how the various geological units are classified can be found on the BGS website (www.bgs.ac.uk). The maps are labelled with two-part computer codes that indicate the name of the geological unit and its composition. Descriptions of the units listed in the map keys may be available in the BGS Lexicon of Named Rock Units, which is also on the BGS website (<http://www.bgs.ac.uk/lexicon/>). If available, these descriptions can be found by searching against the first part of the computer code used on the maps. Please treat this labelling with caution in areas of complex geology, where some of the labels may overlap occurrences of several geological formations. If in doubt, please contact BGS Enquiries for clarification.

In the map keys the geological units are listed in order of their age, as defined in the BGS Lexicon, with the youngest first. However, where units are of the same defined age they are listed alphabetically and this may differ from the actual geological sequence.

Artificial ground: This is ground at or near the surface that has been modified by man. It includes ground that has been deposited (Made Ground), landscaped, disturbed, excavated (Worked Ground) or some combination of these.

Landslide deposits: These are deposits formed by localised mass-movement of soils and rocks on slopes under the action of gravity. Landslides may occur within the bedrock, superficial deposits or artificial ground; and the landslide deposits may themselves be artificially modified.

Superficial deposits: These are relatively young geological deposits, formerly known as 'Drift', which lie on the bedrock in many areas. They include deposits such as unconsolidated sands and gravels formed by rivers, and clayey tills formed by glacial action. They may be overlain by landslide deposits or by artificial deposits, or both.

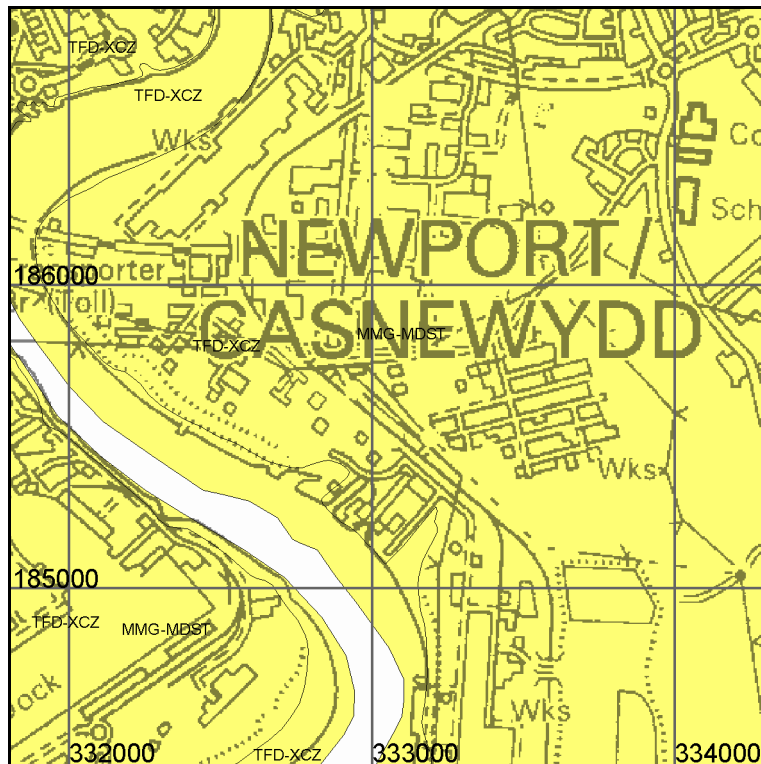
Bedrock: Bedrock forms the ground underlying the whole of an area, commonly overlain by superficial deposits, landslide deposits or artificial deposits, in any combination. The bedrock formations were formerly known as the 'Solid Geology'.

Combined 'Surface Geology' Map: This map shows all the geological themes from the previous four maps overlaid in order of age.



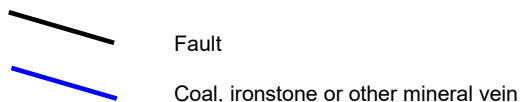
Combined 'Surface Geology' Map

This map shows the surface elements of all four geological layers. Please see keys to the Artificial, Landslide, Superficial and Bedrock geology maps



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Scale: 1:25 000 (1cm = 250 m)



Note: Faults and Coals, ironstone & mineral veins are shown for illustration and to aid interpretation of the map. Not all such features are shown and their absence on the map face does not necessarily mean that none are present



Key to Artificial ground:

No deposits found in the search area

Key to Landslide deposits:

No deposits found in the search area

Key to Superficial deposits:

Map colour	Computer Code	Name of geological unit	Composition
	TFD-XCZ	TIDAL FLAT DEPOSITS	CLAY AND SILT

Key to Bedrock geology:

Map colour	Computer Code	Name of geological unit	Rock type
	MMG-MDST	MERCIA MUDSTONE GROUP	MUDSTONE



Artificial ground



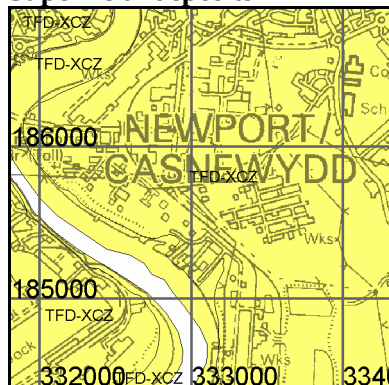
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Landslide deposits



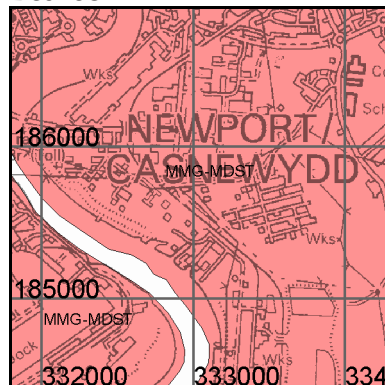
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Superficial deposits



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Bedrock



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Please see key on previous page.

Geoscience Data List

List of available geological data

This section lists the data sets, in addition to boreholes and well records, that are held in the National Geoscience Records Centre that are relevant to your enquiry. Users with access to computing facilities can make their own index searches using the BGS Internet; go to 'Online shops' at www.bgs.ac.uk This will give access to the BGS Bookshop, Publications catalogue, GeoRecords (borehole browser) and GeoReports.

If you want to order any of the data please contact enquiries on enquiries@bgs.ac.uk. For current pricing see internet pages above or do not hesitate to contact us using the list found at the back of this pack.

Note that this list contains selective datasets and is not a definitive listing of all data held in BGS

Site investigation reports

Number of records in search area: 25

Additional laboratory and test data may be available in these reports, subject to any copyright and confidentiality conditions. The grid references used are based on an un-refined rectangle and therefore may not be applicable to a specific site. Borehole records in these reports will be individually referenced within the borehole records collection.

Number	Site investigation title
3518	NEWPORT (MON) G T C
5693	NEWPORT SOUTH 132KV GRID SUBSTATION PROPOSED EXTENSION
5710	NEWPORT EAST MONMOUTHSHIRE
6853	NEWPORT (GWENT) CROWN COURTS
7514	NASH ROAD NEWPORT MONMOUTHSHIRE
7921	M4 BRYNGLAS TUNNELS AND A4042 MALPASS ROAD RELIEF SCHEME
9034	MAINDEE (NEWPORT) ATE
13359	M4 BRYNGLAS TUNNELS AND MALPAS ROAD RELIEF SCHEME
14039	PROPOSED RESIDENTIAL DEVELOPMENT BARRACK FIELDS, NEWPORT, MONMOUTHSHIRE
14601	USKMOUTH SLIPWAY CONSTRUCTION
16680	EXTENSION TO FACTORY, CROMPTON PARKINSON, NEWPORT, MON
17517	BT TRANSPORT DEPOT, NEWPORT
18386	M4 RELIEF ROAD MAGOR TO CASTLETON STAGE 2
18562	ORB WORKS, STEPHENSON STREET, NEWPORT
18727	HATHERLEY HEIGHTS, NEWPORT
23665	PROPOSED OUTFALL TUNNEL AT USKMOUTH 'B' GENERATING STATION NEWPORT
26961	STEVENSON ROAD NEWPORT
32700	FELNEX INDUSTRIAL ESTATE NEWPORT
34824	MONSANTO WORKS NEWPORT
35836	USKMOUTH 275KV SUBSTATION PROPOSED MSC BANK
38904	PILL RIVER CROSSING MAIN DRAINAGE SCHEME
40301	USKMOUTH ORE TERMINAL
52655	NEWPORT STATION REGENERATION
53003	MONBANK LANDFILL NEWPORT
54358	DOCKS WAY NEWPORT

National Grid geological maps (1:10 000 and 1:10 560 scale)

Number of records in search area: 2

Map	Type	Survey
ST38NW	C	1961
ST38SW	C	1961

County Series geological maps (1:10 560 scale)

Number of records in search area: 10

Map	Type	Published
Monmouthshire33FS	C	0
Monmouthshire33NE		1893
Monmouthshire33NE	C	0
Monmouthshire33SE		1893
Monmouthshire33SE	C	0
Monmouthshire34FS	C	0
Monmouthshire34NW		1891
Monmouthshire34NW	C	0
Monmouthshire34SW	C	0
Monmouthshire34SW		1891

New Series medium scale geological maps (1:50 000 and 1:63 360 scale)

Number of records in search area: 4

Sheet number	Sheet name	Type	Published
249	Newport	S	1968
249	Newport	D	1895
249	Newport	D	1969
249	Newport	S	1895

Old Series one inch geological maps (1:63 360 scale)

Number of records in search area: 0

BGS holds no old series one inch geological maps for the selected area

Hydrogeological maps (various scales)

Number of records in search area: 1

Map	Scale
South Wales	1:125,000

Geological Memoirs

Number of records in search area: 1

Geological memoir	Date
South Wales coalfield - Part 1 - Newport (Mon.)	1969

Technical reports

Technical reports may be available for this area. Please see <http://geolib.bgs.ac.uk>

Waste sites

Number of records in search area: 0

Listing of some 3500 waste sites for England and Wales identified by BGS as part of a survey carried out on behalf of the Department of the Environment in 1973. Later information may be available from the Local authority.

BGS holds no records of waste sites for the selected area

Mining plans

Number of records in search area: 1

This listing includes plans of various types, principally relating to mining activity including abandonment plans. The coverage is not comprehensive; however that for Scotland is most complete.

Record Type	Plan No.	Title
KP	18191	WESTPHALIAN A & B OF THE COALFIELDS OF ENGLAND & WALES (INCLUDING CANONBIE)

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4. The most appropriate techniques for copying original records are used, but there may be some loss of detail and dimensional distortion when such records are copied.
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7. The data, information and related records supplied by the BGS should not be taken as a substitute for specialist interpretations, professional advice and/or detailed site investigations. Professional advice should be sought before making technical interpretations on the basis of the materials provided.
8. Detail, which is clearly defined and accurately depicted on large-scale maps, may be lost when small-scale maps are derived from them.



9. Data may be compiled from the disparate sources of information at BGS's disposal, including material donated to BGS by third parties, and may not originally have been subject to any verification or other quality control process.
10. If a report or other output is produced for you on the basis of data you have provided to BGS, or your own data input into a BGS system, please do not rely on it as a source of information about other areas or geological features, as the report may omit important details.
11. The topography shown on any map extracts is based on the latest OS mapping and is not necessarily the same as that used in the original compilation of the BGS geological map, and to which the geological linework available at that time was fitted.
12. Note that for some sites, the latest available records may be quite historical in nature, and while every effort is made to place the analysis in a modern geological context, it is possible in some cases that the detailed geology at a site may differ from that described.

Availability of goods

The maps provided on this website show where the various records are available. However, if for some reason, after you have paid for a record, the BGS is unable to provide it (for example, due to data or computing problems), we will inform you and offer an alternative record or a full refund.

Some of the records held in the National Geoscience Data Centre (NGDC) were donated under conditions of confidentiality. For most of these confidential records, the BGS is able to tell you that the records exist, and their location will, therefore, be displayed on the index maps on this website but we will not be able to provide you with a copy immediately. You will, however, be able to place a request to obtain details about the owners of the records who you can then contact to request release of the data. Once this is obtained you will then have to supply the BGS with written confirmation of release, and we will then be able to provide you with a copy of the records concerned.

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Prices quoted in printed leaflets and internet pages are liable to change without prior notice.

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Delivery

Records ordered through this website will be dispatched using your requested method, options being: prints/photocopies by standard post/special delivery/faxing, or digital files (secure PDF format) by e-mail (if file size allows) or on CD by post. Records will normally be dispatched within 10 working days from receipt of the order. However, a special 24 hour Premium delivery can be requested at an additional charge, details of which can be found on this website.

On top of these quoted dispatch times, please allow five days for postage in the UK, seven days in the EU and up to 30 days elsewhere. If your order is delayed beyond this time, please contact the Central Enquiries Desk immediately (contact details below). Standard Postal Delivery charges are included in the price of the records. You will only be charged the amount quoted. If you require special delivery arrangements to be made, please contact us before placing your order.

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When acknowledging receipt of your complaint, we will give an indication of how long it will take to send you a detailed response. In most cases, we would aim to provide a detailed response within ten working days. However, this may not always prove possible, especially if we need to obtain further information. In these cases, we will keep you fully informed on the progress of your complaint, and endeavour to provide you with as full a response as possible as soon as we can.

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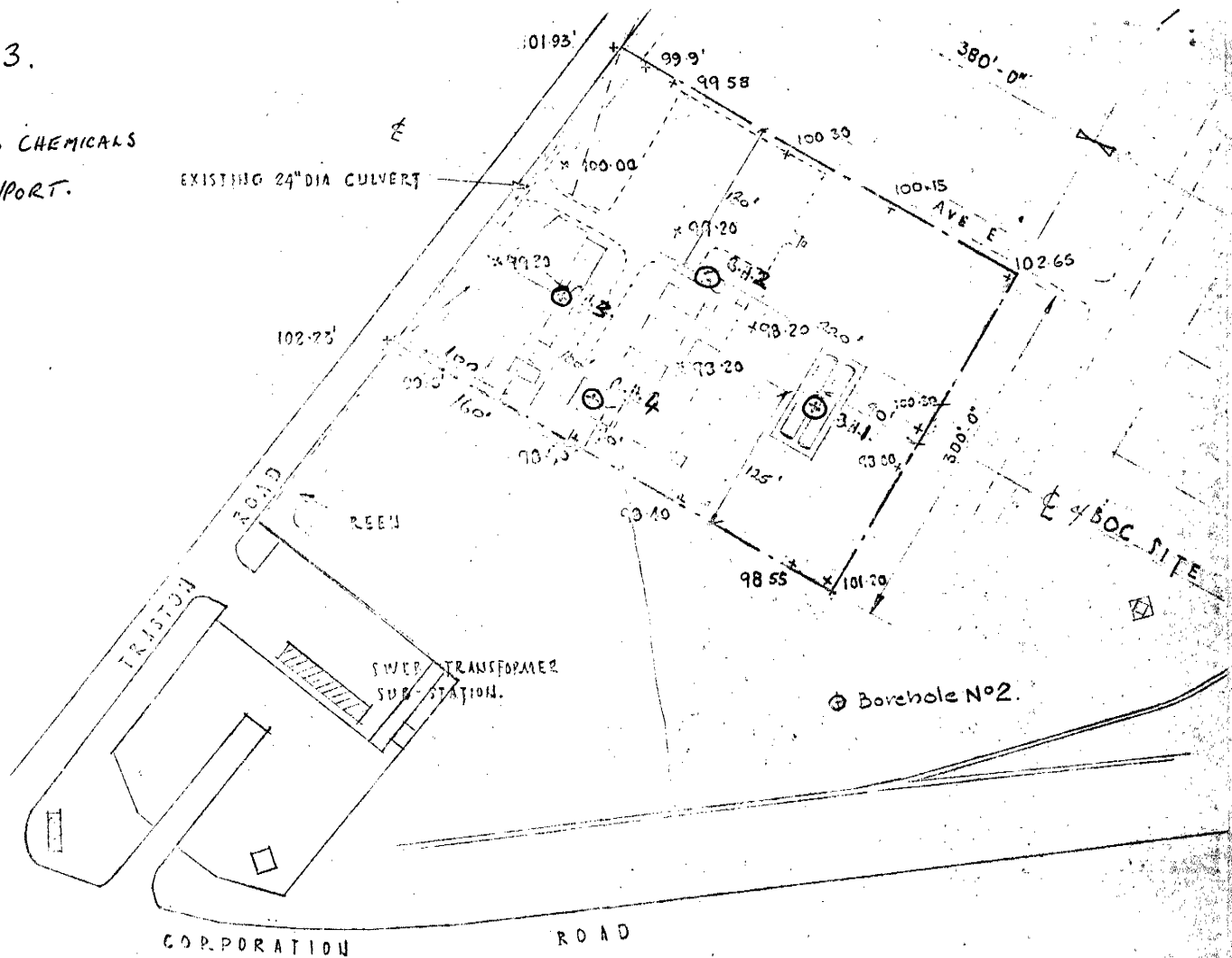
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C.5693.

B.O.C.

MONSANTO CHEMICALS

NEWPORT.



ST 38 NW BJ 63-66

1":249

ST 38 NW | 63-66

Holst & Co Limited**Site Investigation Division**

Parkside Lane, Dewsbury Road, Leeds, LS11 5SX

ST 38 NW / 63

3337. 8569

Contract No. SI0409/F2126

Borehole No. 1

Location Newport

Ground Level

Client B.O.C. Ltd.,

Date 23.3.72

BOREHOLE LOG

STRATA	Legend	Depth below Ground Level (0-15m)	Thickness of Strata	Type of Sample	c lb/sq. ft.	φ deg.	m.c %	γ lb/cu. ft.	N
Peat and topsoil		0'6"	0'6"	2'0"					
Firm grey mottled organic clay		(1.37m) 4'6"	4'0"	□ 5'0"	1650 500	0 0	34.6 40.6	112 110	
Very soft to soft grey silty slightly organic clay				□ 8'6"	100	0	58.6	108	
				14'0"	100	0	56.7	107	
				18'6"	500	0	58.5	108	
		(7.32m) 24'0"	19'6"	23'6"	90	0	174.2	97	
		(7.92m) 26'0"	2'0"						
Peat									
Soft grey silty clay		(9.75m) 32'0"	6'0"	29'0"	780	0	47.4	117	
Soft grey sandy silty clay				34'0"	360	0	34.8	119	
		(12.50m) 41'0"	9'0"	41'6"					
Dense slightly clayey sand and gravel		(14.02m) 46'0"	5'0"	I 46'6"					33
Stiff red marly clay		(14.63m) 48'0"	2'0"	I 51'0"					63
Weathered red marl		(16.46m) 54'0"	6'0"	53'6"					77 for 12" 77 for 6"
Water Struck at		4'6" and 41'0"		Maximum Observed Water Level		3'0"			
Water levels are subject to seasonal or tidal variation and should not be taken as constant									

Holst & Co Limited

Site Investigation Division

Parkside Lane, Dewsbury Road, Leeds, LS11 5SX

ST 38 NW 165

3336, 8576

Contract No. SI0409/F2126

Borehole No. 3

Location Newport

Ground Level

Client B.O.C. Ltd.

Date 27.3.72

BOREHOLE LOG

STRATA	Legend	Depth below Ground Level (0.15m)	Thickness of Strata	Type of Sample	c lb/sq. ft.	φ deg.	m.c. %	γ lb/cu. ft.	N
Topsoil		0'6"	0'6"	2'0"					
Firm brown mottled organic clay		(1.52m) 5'0"	4'6"	5'6"	2100	0	28.5	122	
Soft grey mottled clay				8'6"	950	0	53.7	114	
					880	0	59.2	107	
				13'9"	380	0	46.0	114	
				19'0"	880	0	44.0	108	
		(7.01m) 23'0"	18'0"	23'6"					
Peat		(7.77m) 25'6"	2'6"		350	0	156.0	105	
Soft grey silty clay		(9.91m) 32'6"	7'0"	29'0"	390	0	40.3	104	
Soft sandy silty clay		(11.43m) 37'6"	5'0"	33'9"	940	0	39.6	112	
Dense sand and gravel		(12.80m) 42'0"	4'6"	38'6"					30
Stiff red marly clay				43'6"					42
		(15.85m) 52'0"	10'0"	48'6"					38
Weathered red marl		(16.15m) 53'0"	1'0"	51'6"					49

Water Struck at Ground level and 36'0"

Maximum Observed Water Level Ground level

Water levels are subject to seasonal or tidal variation and should not be taken as constant

Holst & Co Limited

Site Investigation Division

Parkside Lane, Dewsbury Road, Leeds, LS11 5SX

ST 38 NW 66

3333, 8574

Contract No. SI0409/F2126

Borehole No. 4

Location Newport

Ground Level

Client B.O.C. Ltd.,

Date 29.3.72

BOREHOLE LOG

STRATA	Legend	Depth below Ground Level of Strata	Thickness of Strata	Type of Sample	c lb/sq ft.	φ deg.	m.c. %	γ lb/cu. ft.	N
Topsoil		(0.15m) 0'6"	0'6"	2'0"					
Firm brown mottled organic clay		(1.37m) 4'6"	4'0"	5'0"	700	0	27.5	115	
Soft grey silty slightly organic clay				8'6"	500	0	55.5	109	
				13'6"	360	0	43.3	112	
				19'0"	290	0	37.8	116	
		(6.86m) 22'6"	18'0"	23'6"	490	0	42.6	114	
Peat		(7.39m) 24'3"	1'9"		520	0	64.5	113	
Soft grey silty clay				29'0"	530	0	39.7	108	
		(10.97m) 36'0"	9'9"	33'6"	370	0	41.0	116	
Dense sand and gravel				38'6"					31
		(14.02m) 46'0"	10'0"	43'6"					33
Stiff red marly clay		(14.63m) 48'0"	2'0"	47'6"	900	6	28.4	126	
Weathered red marl				50'0"					52
		(17.22m) 56'6"	8'6"	55'0"					57

Water Struck at Ground level and 36'0" Maximum Observed Water Level Ground level

Water levels are subject to seasonal or tidal variation and should not be taken as constant

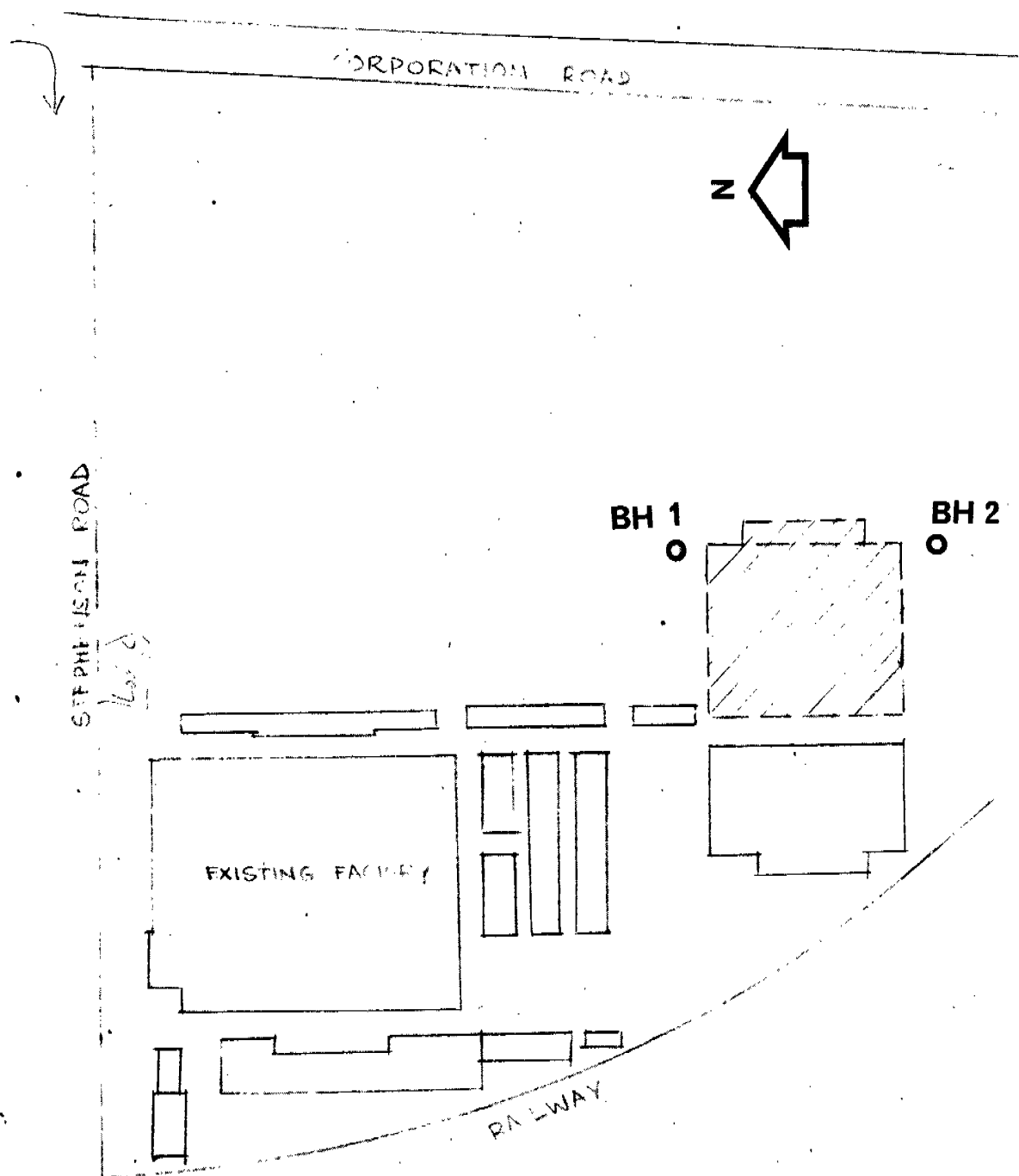


FIG 1. LAYOUT PLAN SHOWING
BOREHOLE POSITIONS

BOREHOLE RECORD

JOB CROMPTON PARKINSON - NEWPORT... DATE STARTED 22/4... FINISHED 24/4/55
BOREHOLE No. 1... OPERATOR P. PRATT
ORDNANCE DATUM LEVEL... TYPE OF PENETRATION TEST SPT/CPT
TYPE OF BORING S/A... WEIGHT 140 lbs... DROP 30 in.
DIAMETER OF BORING 6" ... STANDING WATER LEVEL...
REMARKS: WATER ENCOUNTERED AT 10' 6" ...

22/4 MORNING 10' 6" ENC. 19' 0"
23/4 17' 0" 22' 0"
24/4 22' 0" 14' 6"

DEPTH FEET	O.D. LEVEL	TYPE & No OF SAMPLE	BORING DETAILS			LEGEND	DESCRIPTION OF MATERIAL AND OBSERVATIONS
			PENETRATION	LINING	WATER		
		D - 1/3' 6"	U4				TOP SOIL - GREY BROWN CLAY
		D - 1/4' 0"	18" - 25			X	SOFT TO FIRM BROWN GREY MOTTLED SILTY CLAY
		D - 1/3' 6"	SPT				
5'		D - 1/4' 0"	12" - 15				
		D - 1/5' 6"					
		U4 - 1/7' 0"	18" - 13			X X X	SOFT GREY SILTY CLAY
		D - 1/8' 6"	SPT				
10'		D - 1/4' 0"	12" - 5				
		U4 - 1/1' 0"	18" - 13				
		D - 1/3' 6"	SPT				
15'		D - 1/4' 0"	12" - 4				
		D - 1/5' 6"	U4				
		U4 - NO REC.	18" - 12				
		D - 1/19' 0"	SPT				
20'		D - 1/20' 6"	12" - 4				
		D - 1/24' 6"	SPT				
25'		D - 1/26' 0"	12" - 4				
		D - 1/30' 6"	SPT				
30'		D - 1/32' 0"	12" - 4				
		D - 1/33' 0"	CPT				
35'			12" - 54				FINE GRAVEL WITH SOME SANDY CLAY

SAMPLES SHOWN: U - UNDISTURBED, D - DISTURBED, W - WATER.

BOREHOLE RECORD

JOB CROMPTON PARKINSON - NEWPORT... DATE STARTED 26/4... FINISHED 26/4/85.
BOREHOLE No. 2... OPERATOR PRATT
ORDNANCE DATUM LEVEL... TYPE OF PENETRATION TEST SPT/CPT
TYPE OF BORING S/A... WEIGHT 140 lbs... DROP 30 in.
DIAMETER OF BORING... STANDING WATER LEVEL SFL. 31.00
REMARKS: WATER ENCOUNTERED AT 31.0' FLOWING - 10.24

DEPTH FEET	O.D. LEVEL	TYPE & No OF SAMPLE	BORING DETAILS			LEGEND	DESCRIPTION OF MATERIAL AND OBSERVATIONS
			PENETRATION	LINING	WATER		
		D-2/GL		1		X	TOPSOIL & SOFT TO FIRM GREY BROWN SILT/CLAY
		U4 - NO REL	U4 18" - 11				
5'		D-2/6'0"				X	
		D-2/4'0"	SPT 12" - 4			X	SOFT GREY SILTY CLAY
10'							
15'							
		D-2/7'0"	SPT 12" - 4				
20'							
25'							
		D-2/27'6"	SPT 12" - 4				
30'		D-2/30'2"	CPT 3" - 80			X	VERY COARSE MEDIUM TO LARGE GRAVEL BOREHOLE COMPLETE
35'							

SAMPLES SHOWN: U - UNDISTURBED, D - DISTURBED, W - WATER.

Holst & Co Limited

Site Investigation Division

Parkside Lane, Dewsbury Road, Leeds, LS11 5SX

Contract No. C5161/F1998

Borehole No. 1

Location Whitehead Steel Works - Newport

Ground Level

Client Head Wrightson

Date 23.11.71

BOREHOLE LOG

STRATA	Legend	Depth below Ground Level	Thickness of Strata	Type of Sample	c lb/sq. ft.	ϕ deg.	m.c. %	γ lb/cu. ft.	N
Concrete		0'9"	0'9"						
Soft light grey silty organic clay				2'9"	360	0	47.2	113	
				5'6"	360	0	62.7	63	
		(2.74m) 9'0"	8'3"	9'0"	575	0	267.0	63	
Soft brown peat		(3.96m) 13'0"	4'0"						
Very soft silty grey organic clay		(5.49m) 18'0"	5'0"	14'0"	260	0	54.3	105	
Soft brown peat		(6.10m) 20'0"	2'0"	19'3"	360	0	25.8	121	
Very soft grey silty organic clay		(7.01m) 23'0"	3'0"						
Soft red/brown marly clay		(8.92m) 29'3"	6'3"	24'3"	590	0	20.3	129	
Brown marl weathered at upper levels		(10.67m) 35'0"	5'9"	29'0"	2480	13	13.3	135	
				34'0"					81 for 9"

Water Struck at 27'0" Maximum Observed Water Level 5'0"

Water levels are subject to seasonal or tidal variation and should not be taken as constant

ST38NW/112

Holst & Co Limited**Site Investigation Division**

Parkside Lane, Dewsbury Road, Leeds, LS11 5SX

Contract No. C5161/F1998

Borehole No. 2

Location Whitehead Steel Works - Newport

Ground Level

Client Head Wrightson

Date 16.11.71

BOREHOLE LOG

STRATA	Legend	Depth below Ground Level	Thickness of Strata	Type of Sample	c lb/sq. ft.	ϕ deg.	m.c. %	γ lb/cu. ft.	N	
Concrete		(0.23m) 0'9"	0'9"							
MADE GROUND:- Hardcore		(0.46m) 1'6"	0'9"							
Very soft - soft grey silty organic clay				2'6" 	520	0	50.5	110		
				5'6" 	190	0	50.3	105		
		(2.69m) 8'6"	7'0"							
Very soft brown peat				9'6" 	290	0	193.0	62		
		(4.42m) 14'6"	6'0"							
Very soft grey silty organic clay				14'0" 	202	0	260.0	135		
				19'0" 	245	0	22.2	123		
		(6.71m) 22'0"	7'6"							
Very soft red/brown marly clay				24'0" 	360	0	27.2	132		
		(8.99m) 29'6"	7'6"	28'6" 	965	0	22.3	131		
	Red brown marl Weathered at upper levels				34'0" 					77 for 12"
		(10.67m) 35'0"	5'6"							
Water Struck at		22'0"		Maximum Observed Water Level						Not Recorded
Water levels are subject to seasonal or tidal variation and should not be taken as constant										

ST38NW/112

Holst & Co Limited

Site Investigation Division

Parkside Lane, Dewsbury Road, Leeds, LS11 5SX

Contract No. C5161/F1998

Borehole No. 3

Location Whitehead Steel Works - Newport

Ground Level

Client Head Wrightson

Date 20.11.71

BOREHOLE LOG

STRATA	Legend	Depth below Ground Level (m)	Thickness of Strata (ft)	Type of Sample	c lb/sq. ft.	ϕ deg.	m.c. %	y lb/cu. ft.	N
Concrete		(0.9m) 0'9"	0'9"						
Very soft - soft grey silty organic clay				2'0" []	460	0	38.8	110	
				5'0" []	245	0	51.5	105	
		(2.74m) 9'0"	8'3"	9'0" []	735	0	112.3	66	
Soft brown peat with clay traces		(4.72m) 15'6"	6'6"	14'0" []	575	0	102.5	66	
		(5.79m) 19'0"	3'6"	19'0" []	245	0	361.0	83	
Soft grey silty organic clay		(6.40m) 21'0"	2'0"						
Dark brown peat		(7.01m) 23'0"	2'0"						
Soft grey silty organic clay		(8.53m) 28'0"	5'0"						
Soft red/brown sandy marly clay				23'6" []	460	0	17.1	138	
Red brown marl Weathered at upper levels				29'0" []					52
		(10.67m) 35'0"	7'0"	34'0" []					92

Water Struck at 26'0"

Maximum Observed Water Level

Not Recorded

Water levels are subject to seasonal or tidal variation and should not be taken as constant

ST38NW/112

Holst & Co Limited**Site Investigation Division**

Parkside Lane, Dewsbury Road, Leeds, LS11 5SX

Contract No. C5161/F1998

Borehole No. 4

Location Whitehead Steel Works - Newport

Ground Level

Client Head Wrightson

Date 18.11.71

BOREHOLE LOG

STRATA	Legend	Depth below Ground Level (0.23m) 0'9"	Thickness of Strata 0'9"	Type of Sample	c lb/sq ft.	φ deg.	m.c. %	y lb/cu. ft.	N
Concrete									
Very soft to soft light grey silty organic clay				2'0" 	475	0	39.7	111	
				5'6" 	187	0	57.1	103	
		(3.05m) 10'0"	9'3"	9'6" 	101	0	322.0	74	
Very soft to soft brown peat with clay traces				14'0" 	575	0	102.5	66	
				19'0" 	245	0	361.0	83	
		(7.32m) 24'0"	14'0"	23'6" 	460	0	17.1	138	
Soft red brown sandy stony clay		(8.53m) 28'0"	4'0"	28'6" 					
Red brown marl Weathered at upper levels		(10.52m) 34'6"	6'6"	34'0" 					61
									103 for 6"
Water Struck at 27'0" Maximum Observed Water Level Not Recorded									
Water levels are subject to seasonal or tidal variation and should not be taken as constant									

Holst & Co Limited**Site Investigation Division**

Parkside Lane, Dewsbury Road, Leeds, LS11 5SX

Contract No. C5161/F1998

Borehole No. 5

Location Whitehead Steel Works - Newport

Ground Level

Client Head Wrightson

Date 26.11.71

BOREHOLE LOG

STRATA	Legend	Depth below Ground Level	Thickness of Strata	Type of Sample	c lb/sq. ft.	ϕ deg.	m.c %	y lb/cu. ft.	N
MADE GROUND:- Ash		(0.76m) 2'6"	2'6"						
MADE GROUND:- Ash and clay		(1.22m) 4'0"	1'6"						
Soft to firm grey silty organic clay				5'3" 	375	0	33.8	114	
				8'6" 	780	0	33.2	115	
		(4.72m) 15'6"	11'6"	14'3" 	475	0	59.3	90	
Soft brown peat		(6.25m) 20'6"	5'0"	19'0" 	650	0	157.5	68	
Very soft grey silty organic clay				23'9" 	200	0	53.2	103	
		(9.30m) 30'6"	10'0"	28'6" 	300	0	21.3	127	
Log Continues									
Water Struck at 4'0" and 32'0"					Maximum Observed Water Level 4'0"				
Water levels are subject to seasonal or tidal variation and should not be taken as constant									

Holst & Co Limited**Site Investigation Division**

Parkside Lane, Dewsbury Road, Leeds, LS11 5SX

Contract No. C5161/F1998

Borehole No. 5 Cont.

Location Whitehead Steel Works - Newport

Ground Level

Client Head Wrightson

Date 26.11.71

BOREHOLE LOG

STRATA	Legend	Depth below Ground Level	Thickness of Strata	Type of Sample	c lb/sq ft.	φ deg.	m.c %	γ lb/cu. ft.	N
Red brown sandy stony clay		(10.44m) 34'3"	3'9"	33'6" I	533	10	13.7	139	
Red brown marl weathered at upper levels		(12.19m) 40'0"	5'9"	39'0" I					78 for 12"

Water Struck at

Maximum Observed Water Level

Water levels are subject to seasonal or tidal variation and should not be taken as constant

Holst & Co Limited

Site Investigation Division

Parkside Lane, Dewsbury Road, Leeds, LS11 5SX

ST38NW/112

Contract No. 05161/F1998

Borehole No. A

Location Newport

Ground Level

Client British Steel Corporation

Date 27.11.71

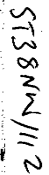
BOREHOLE LOG

STRATA	Legend	Depth below Ground Level	Thickness of Strata	Type of Sample	c lb sq ft.	φ deg.	m.c %	γ lb/cu. ft.	N
MADE GROUND:- Reinforced concrete		(0.30m) 1'0"	1'0"						
MADE GROUND:- Concrete		(1.07m) 3'6"	2'6"	2'0"					75 for 3"
MADE GROUND:- Ash, brick and clay		(2.13m) 7'0"	3'6"	5'0"					20
Soft grey silty clay with organic matter		(3.66m) 12'0"	5'0"	8'6"	670	0	36.0	118	
Soft - firm brown sandy stony clay				14'0"	220	0	25.2	131	
									
									
									
									
									
									
									
									
									
									
									
									
									
									
									
									
									
									
									
									
									
									
									
									
									
									
									

Water Struck at 8'6"

Maximum Observed Water Level 2'0"

Water levels are subject to seasonal or tidal variation and should not be taken as constant



23

*11932) Wt. 30370/0370 10,000 9/30 A. & E.W. Ltd. Cp. 685

RECORD OF SHAFT OR BORE FOR MINERALS

23

County

3" Quarter Sheet

1" N.S. Geol. Map

1" O.S. Geol. Map

Whether Confidential

Name and Number of Shaft or Bore given by Geological Survey:

Name and Number given by owner (if different from above):

Newport Ironworks No. 1.

Town or Village

Date of sinking

Feb. 1901

Exact site

A sketch-map or tracing from a large-scale map is desirable.

Purpose for which made

Level at which bore commenced relative to O.D.

If not down bore, state if horizontal or up

Made by

VIVIAN

(B.B.4)

for Messrs.

Sir E. Somerby & Co. Ltd.

Information from

JOHNSON & SONS

Date received

Feb. 1901

Specimens

Dip of strata

GEOLOGICAL CLASSIFICATION	DESCRIPTION	THICKNESS		DEPTH	
		ft	in	ft	in
	Slag	10	8		
	Blue clay	5	4		
	strong red clay & small cobbles	11	6		
	.. brown ..	6	6		
	Brown peat & cobbles	3			
	Loamy clay & gravel	1	3		
	Brown peat	26	6		
	Brown .. & cobbles	8	9		
	Red sandstone	39	6		
	 with shaly jty.	10	3		
		16	1		
	 jointy	12	2		
	.. shaly sandstone	5	6		
	.. sandstone jty	15	0		
	.. sandstone	16	0	300	0
	No 6 inch site				

GEOLOGICAL SURVEY AND MUSEUM,
SOUTH KENSINGTON,
LONDON, S.W.7.G.S.M. Office
File No.Site marked
on 6" Map bySite marked
on 1" Map by

23A

ST 38NW 113

10370/0370 10,000 9/30 A. & E.W. Ltd. Gp. 685

RECORD OF SHAFT OR BORE FOR MINERALS

County Monmouth

6" Quarter Sheet

1" N.S. Geol. Map

1" O.S. Geol. Map

Whether Confidential

Name and Number of Shaft or Bore given by Geological Survey:

23A

Name and Number given by owner (if different from above):

Newport Iron Works (No. 2)Town or Village NewportDate of sinking March 1903

Exact site

A sketch-map or tracing from a 1"-ge-scale map is desirable.

Purpose for which made

Level at which bore commenced relative to O.D.

If not down bore, state if horizontal or up

Made by VIVANS

(Bb 4)

for Messrs. C. B. Sonneton & Co.Information from JOHNSON & CONNDate received Feb. 19/11

Specimens

Dip of strata

GEOLOGICAL CLASSIFICATION	DESCRIPTION	THICKNESS		DEPTH	
		ft.	in.	ft.	in.
	<u>cobbles & slag</u>	6			
	<u>Blue clay</u>	7			
	<u>sand and gravel</u>	4			
	<u>Red pinnet & cobbles</u>	29		48	
		36		72	
		13		105	
	<u>Red & blue marl</u>	43	6		
	<u>Grey limestone</u>		6		
	<u>Red & blue marl</u>	27	6		
	<u>Grey limestone</u>		6		
	<u>Strong red & blue marl with yellow thin veins of limestone</u>	1			
		2	6		
		280	6		
	<u>Red sandstone - jointy</u>	97	6	550	0

GEOLOGICAL SURVEY AND MUSEUM,
SOUTH KENSINGTON,
LONDON, S.W.7.G.S.M. Office
File No.Site marked
on 6" Map bySite marked
on 1" Map by

238

SHAFT OR BORE

ST38NW 113

W.E. 30170/0370 10,000 2/23 A.E. B.V. Ltd. Gp. 683

1" N.S. Geol. Map

RECORD OF SHAFT OR BORE FOR MINERALS

County Monmouth

6" Quarter Sheet

1" N.S. Geol. Map

1" O.S. Geol. Map

Whether Confidential

Name and Number of Shaft or Bore given by Geological Survey:

238

Name and Number given by owner (if different from above):

Newport Ironworks (No. 3)

Town or Village

NewportDate of sinking May '87 - Nov 1907

Exact site

A sketch-map or tracing from a large-scale map is desirable.

Purpose for which made

Level at which bore commenced relative to O.D.

Made by VIVANS

(B. 4)

If not down bore, state if horizontal or up

Information from JOHNSON & CO.for Messrs Sir B. Samuelson & Co. Ltd.

Specimens

Date received Feb. 1911

Dip of strata

GEOLOGICAL CLASSIFICATION	DESCRIPTION	THICKNESS		DEPTH	
		ft.	in.	ft.	in.
	slag & boulders.	10			
	Do. t.	4			
	Blue clay.	3	6		
	Red ..		6		
	.. pebbles & cobbles.	3			
	.. loamy clay & gravel.	26			
	Brown pebbles & cobbles.	7			
	 strong.	7			
	Red & blue marl.	23			
		3			
	 with veins of gypsum.	100	6		
	 lust & ..	10			
	 & gypsum.	177	3		
	 sandy marl. soft.	10	10		
	 marl.	10	6		
		9	6		
	 & blue sandy marl.	4	6		
	 sandstone.	5	6		
	 jointy.	10	6		
		16	9		
		15	3		
		5			
	 very jointy.	19	8		
		12	9		
	 jointy.	7	4		
		7	3		
				520	

GEOLOGICAL SURVEY AND MUSEUM,
SOUTH KENSINGTON,
LONDON, S.W.7.G.S.M. Office
File No.Site marked
on 6" Map bySite marked
on 1" Map by

BOREHOLE NO. LA

3281
8608

Ground Level

Diameter of Boring 8" and 6"

Water Struck 40'0"

Method Shell and Auger

Standing Water Level 16'0"

Start 4.2.69 Finish 6.2.69

REMARKS:

Description of Strata	Thickness	Depth	Reduced Level	Disturbed Samples	Undisturbed Samples and In situ Tests
Topsoil	0'9"	0'9"			
Firm to soft brown and grey clay, iron stained in places with small sandy pockets	6'3"	7'0"		2'6" J3478	3'0" U3479
				5'0" J3480	5'6" U3481
				8'0" J3482	8'6" U3483
				12'6" J3484	13'6" U3485
				17'6" J3486	18'6" U3487
				22'6" J3488	23'6" U3489
				27'6" J3490	28'6" U3491
Very soft grey silty clay	33'0"			32'6" J3492	33'6" U3493