

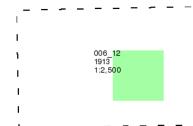


Surrey

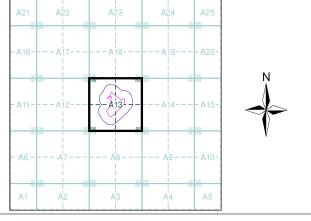
Published 1913 Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 40288424_1_1 **Customer Ref:** 12.07.020 National Grid Reference: 518510, 171310

Site Area (Ha): Search Buffer (m): 3.5 100

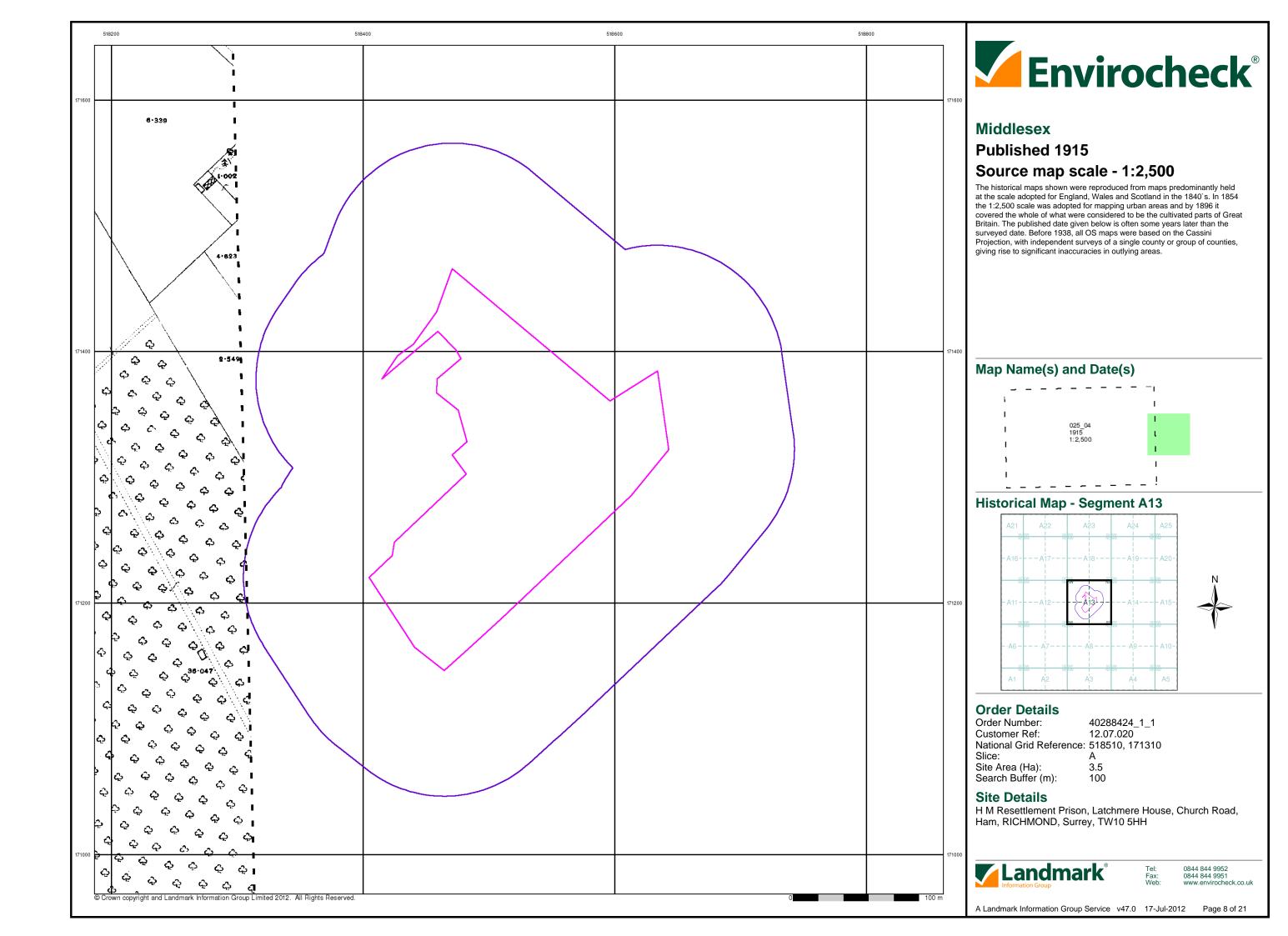
Site Details

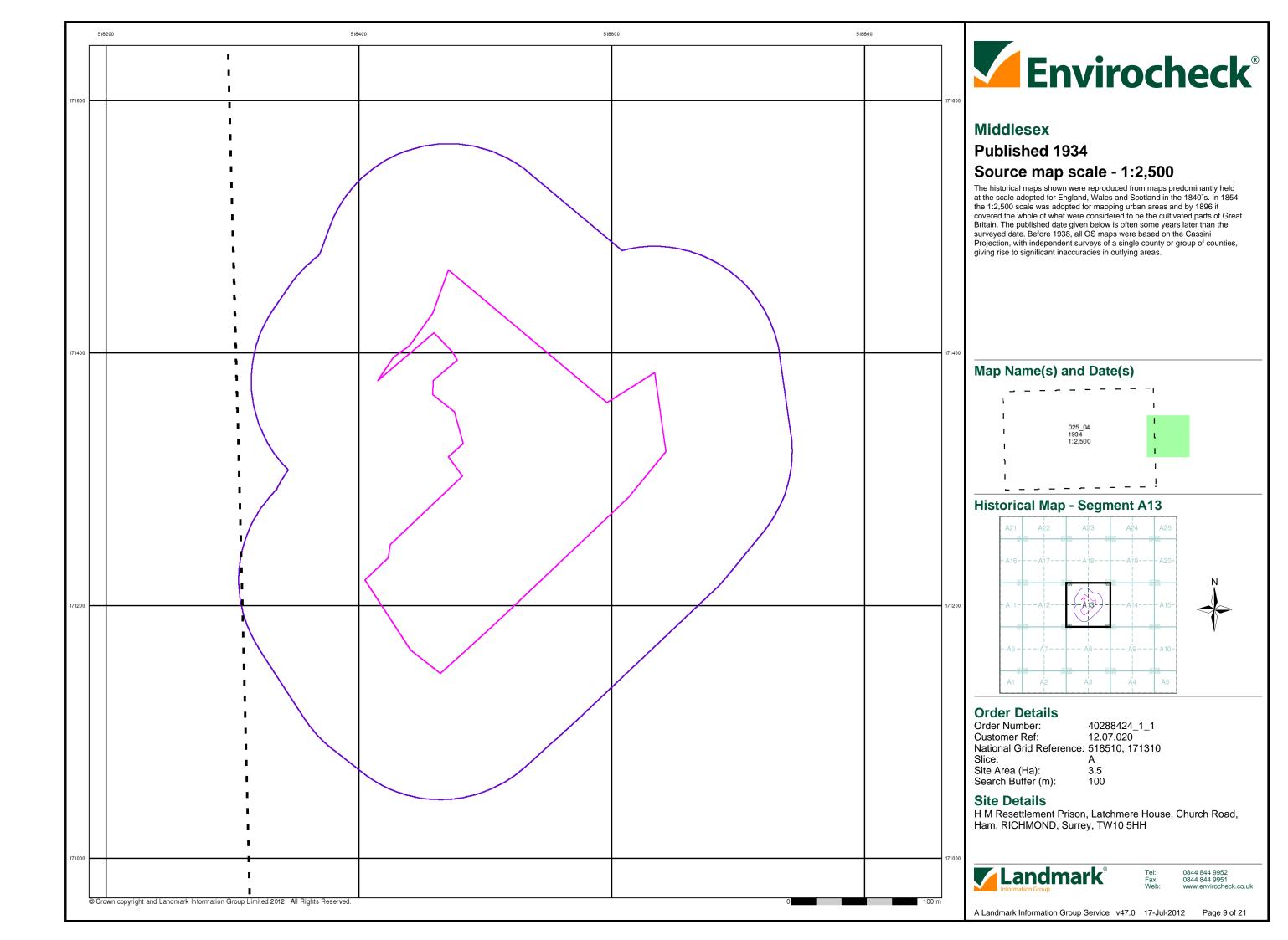
H M Resettlement Prison, Latchmere House, Church Road, Ham, RICHMOND, Surrey, TW10 5HH

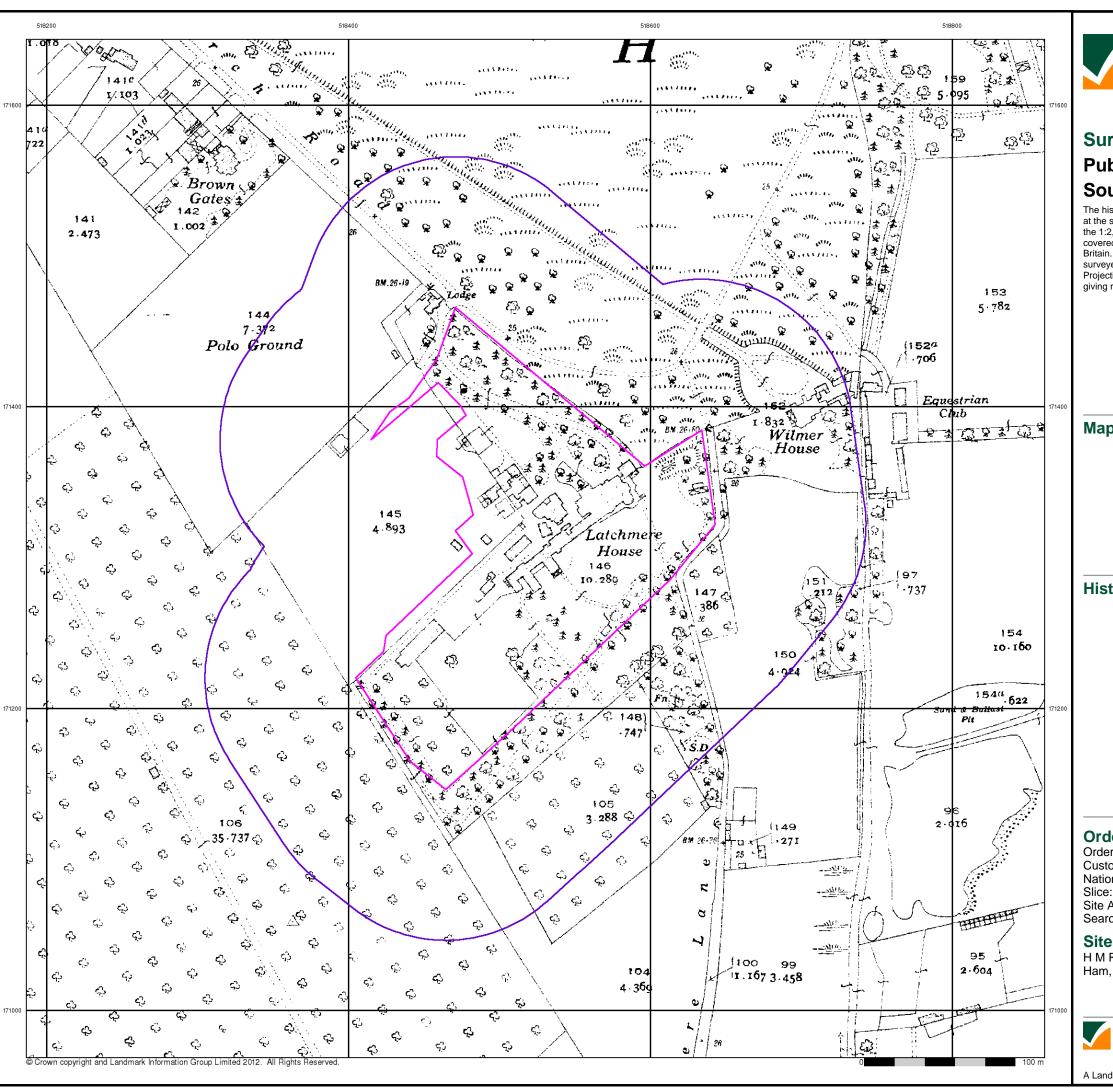


0844 844 9952 0844 844 9951 www.envirocheck.co.uk

A Landmark Information Group Service v47.0 17-Jul-2012 Page 7 of 21







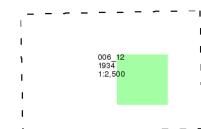


Surrey

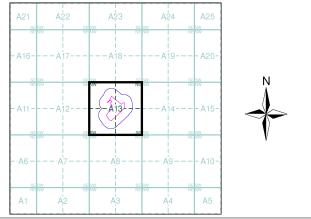
Published 1934 Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 40288424_1_1 **Customer Ref:** 12.07.020 National Grid Reference: 518510, 171310

Site Area (Ha): Search Buffer (m): 3.5 100

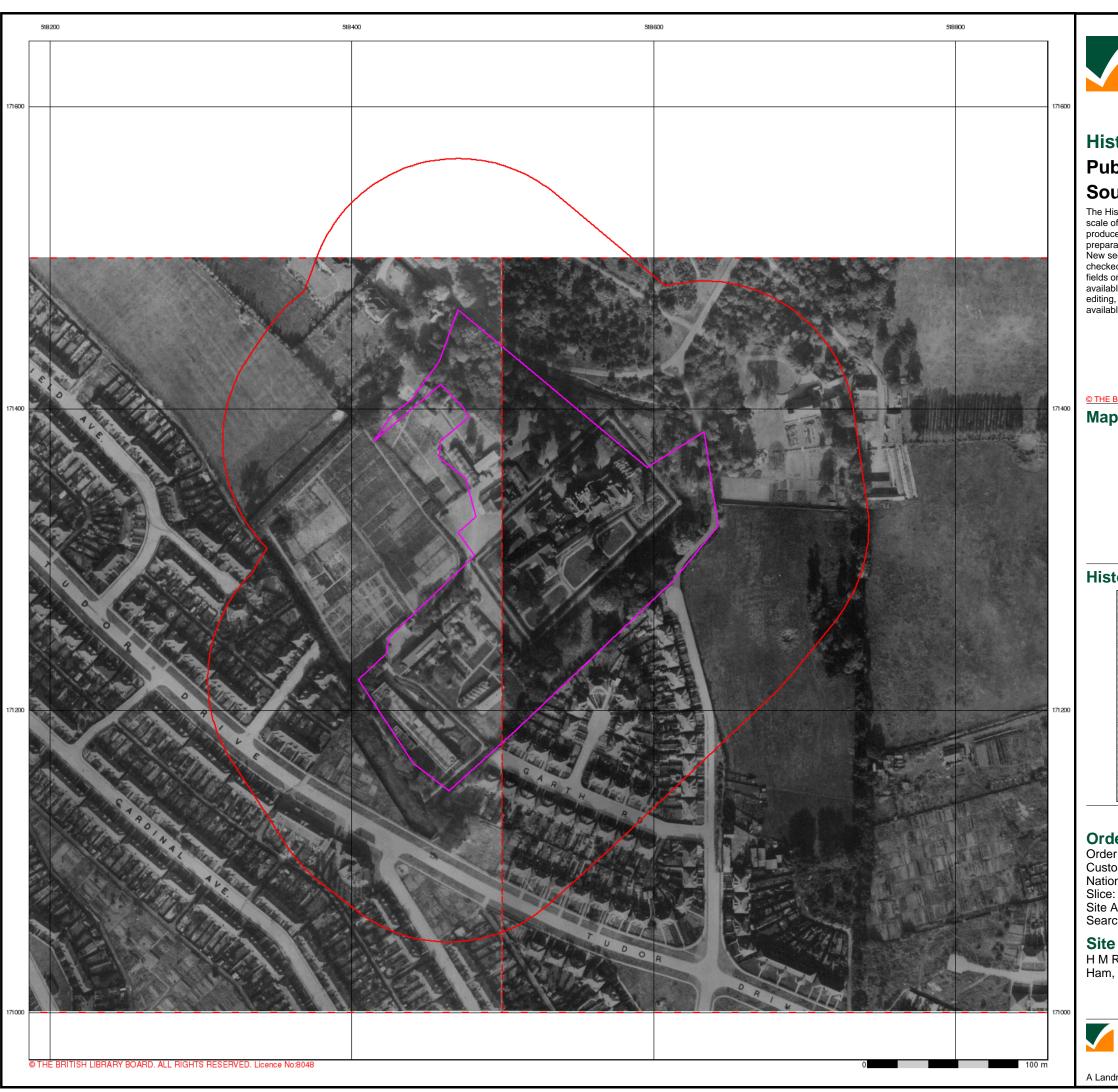
Site Details

H M Resettlement Prison, Latchmere House, Church Road, Ham, RICHMOND, Surrey, TW10 5HH



0844 844 9952 0844 844 9951 www.envirocheck.co.uk

A Landmark Information Group Service v47.0 17-Jul-2012 Page 10 of 21





Historical Aerial Photography Published 1945

Source map scale - 1:1,250

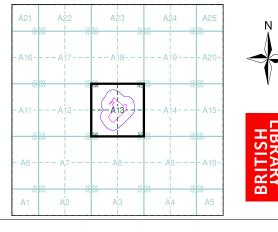
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the 1950's meant that every photograph was rechecked for potentially unsafe information with security sites replaced by fake fields or clouds. The original editions were withdrawn and only later made available after a period of fifty years although due to the accuracy of the editing, without viewing both revisions it is not easy to spot the edits. Where available Landmark have included both revisions.

© THE BRITISH LIBRARY BOARD. ALL RIGHTS RESERVED. Licence No:8048

Map Name(s) and Date(s)



Historical Aerial Photography - Segment A13



Order Details

Order Number: 40288424_1_1 Customer Ref: 12.07.020 National Grid Reference: 518510, 171310

Slice: A
Site Area (Ha): 3.5
Search Buffer (m): 100

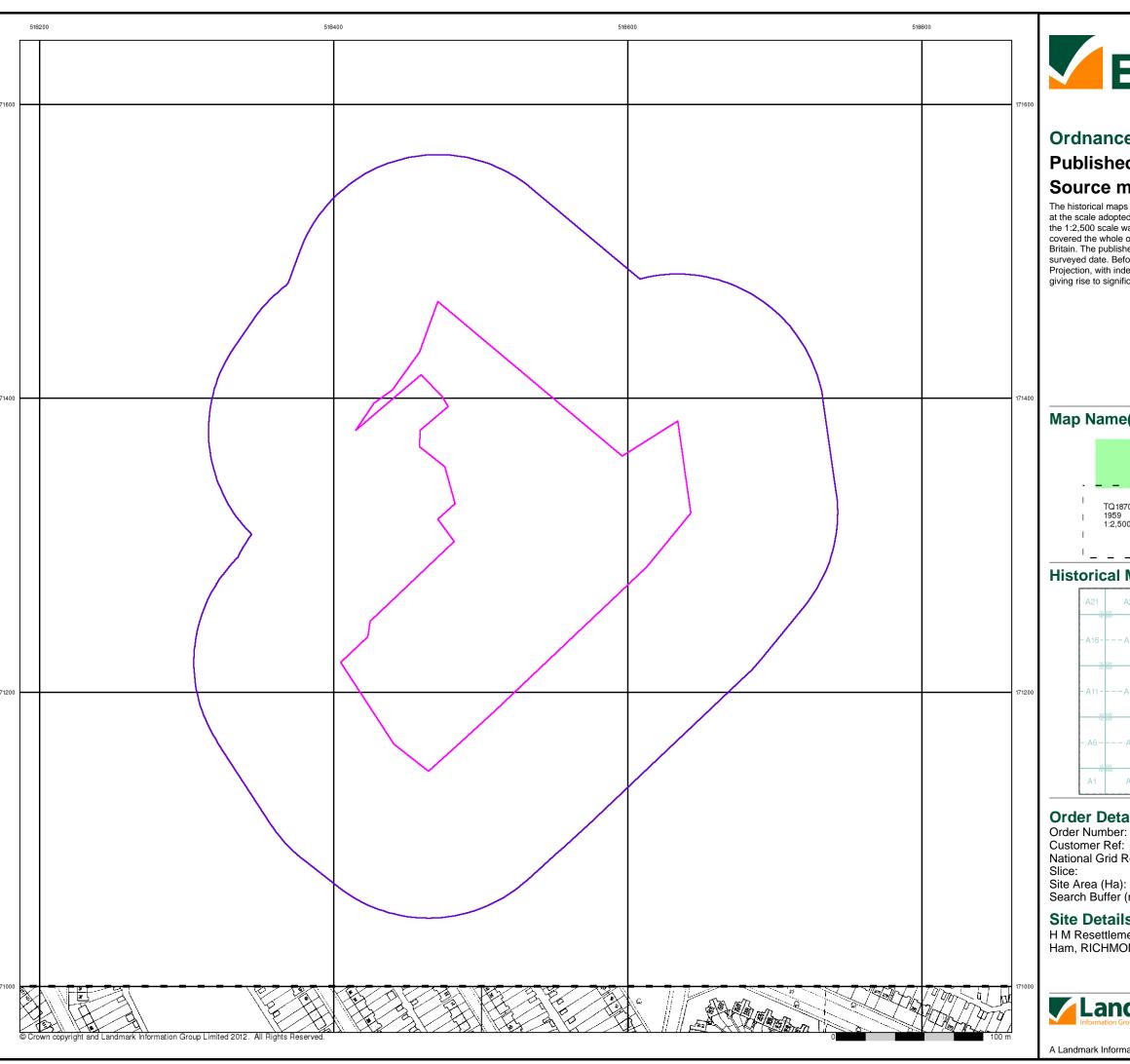
Site Details

H M Resettlement Prison, Latchmere House, Church Road, Ham, RICHMOND, Surrey, TW10 5HH



0844 844 9952 0844 844 9951 www.envirocheck.co.uk

A Landmark Information Group Service v47.0 17-Jul-2012 Page 11 of 21

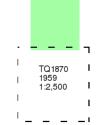




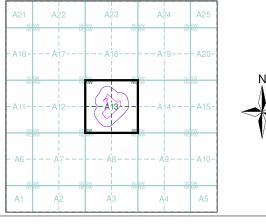
Ordnance Survey Plan Published 1959 Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

40288424_1_1 12.07.020 Customer Ref: National Grid Reference: 518510, 171310

Site Area (Ha): Search Buffer (m): 3.5 100

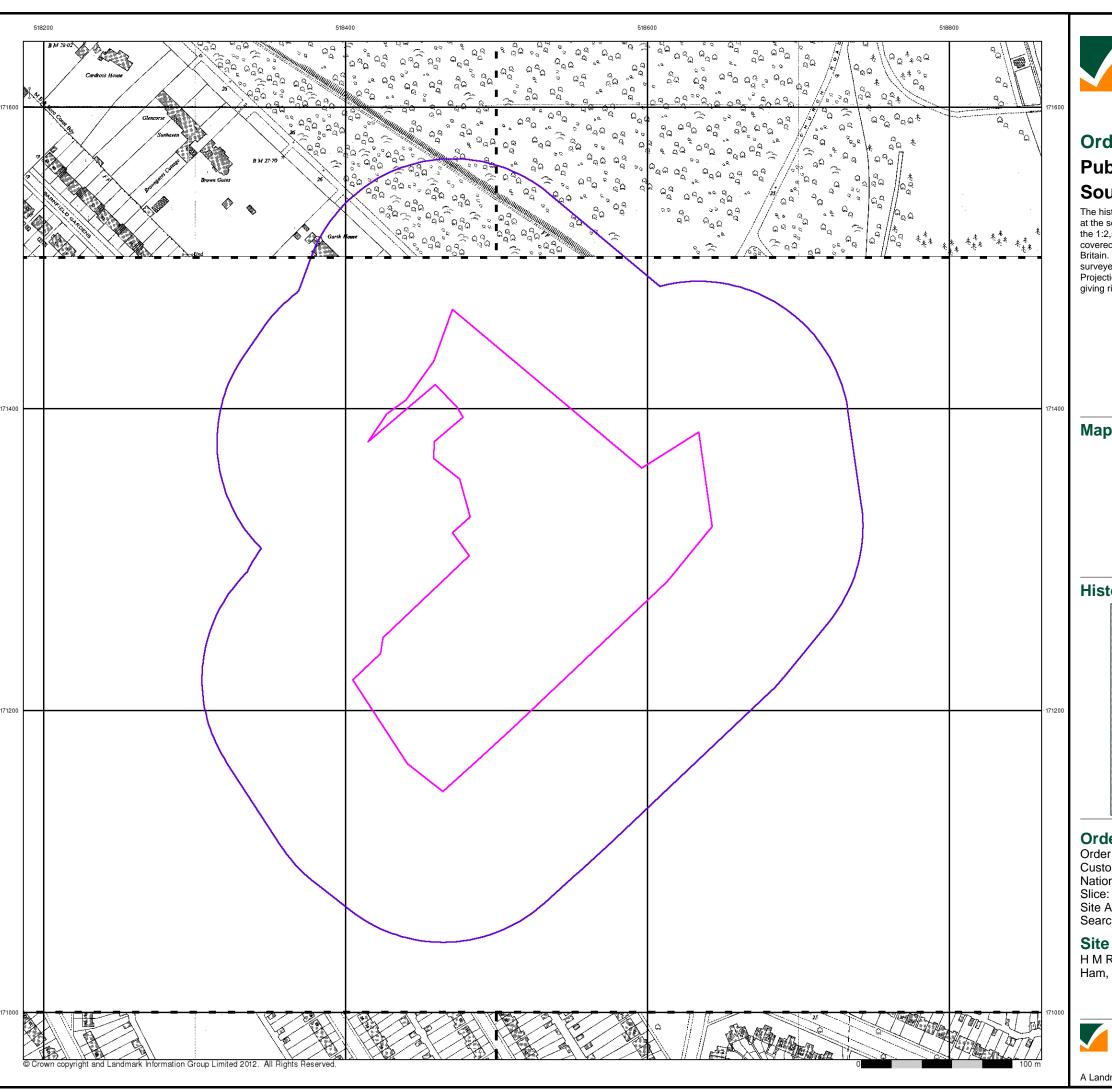
Site Details

H M Resettlement Prison, Latchmere House, Church Road, Ham, RICHMOND, Surrey, TW10 5HH



0844 844 9951 www.envirocheck.co.uk

A Landmark Information Group Service v47.0 17-Jul-2012 Page 12 of 21

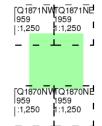




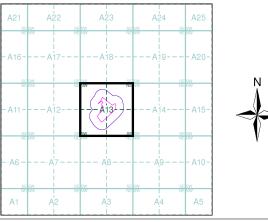
Ordnance Survey Plan Published 1959 Source map scale - 1:1,250

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

40288424_1_1 12.07.020 Order Number: Customer Ref: National Grid Reference: 518510, 171310

Site Area (Ha): Search Buffer (m): 3.5 100

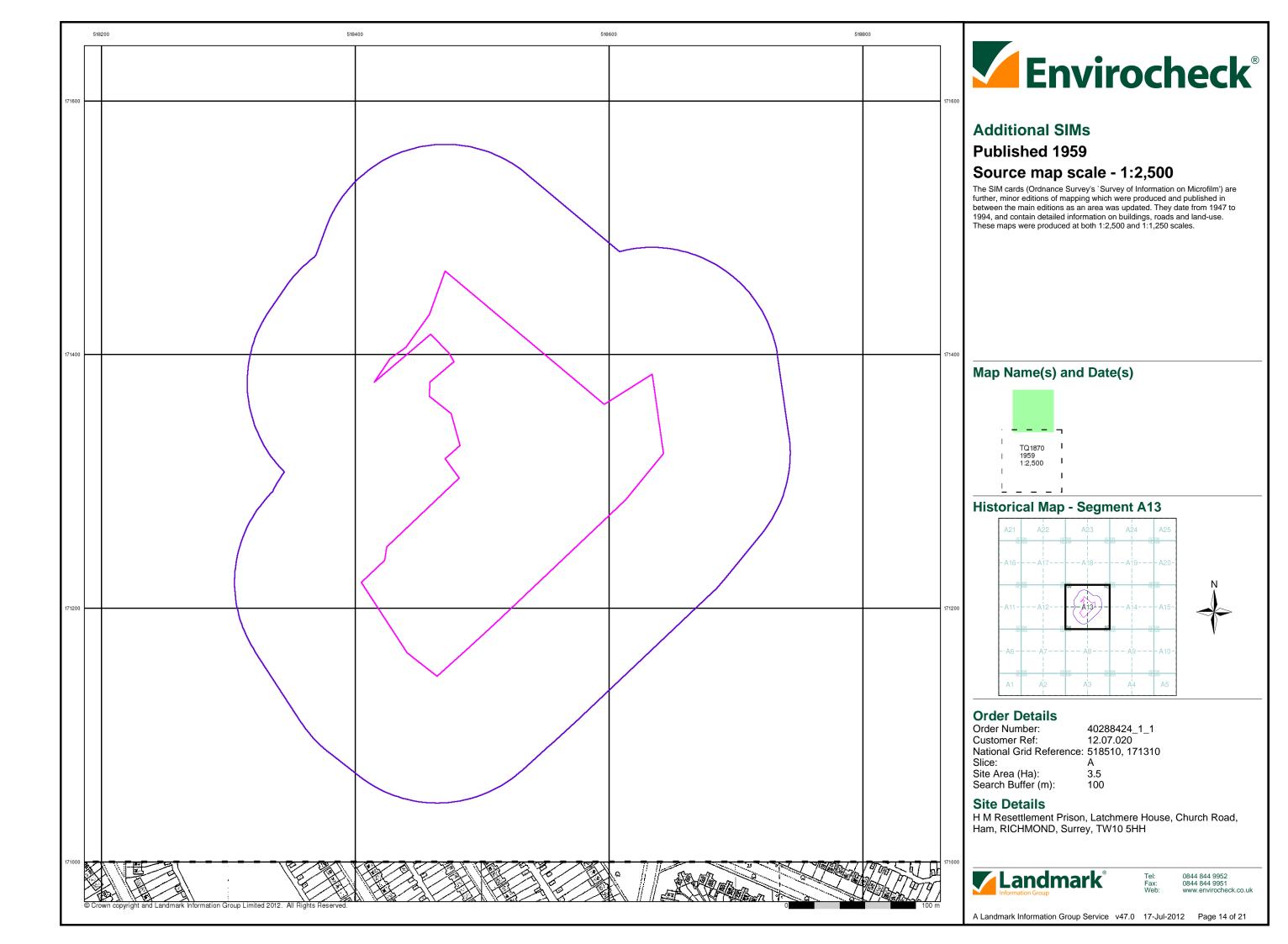
Site Details

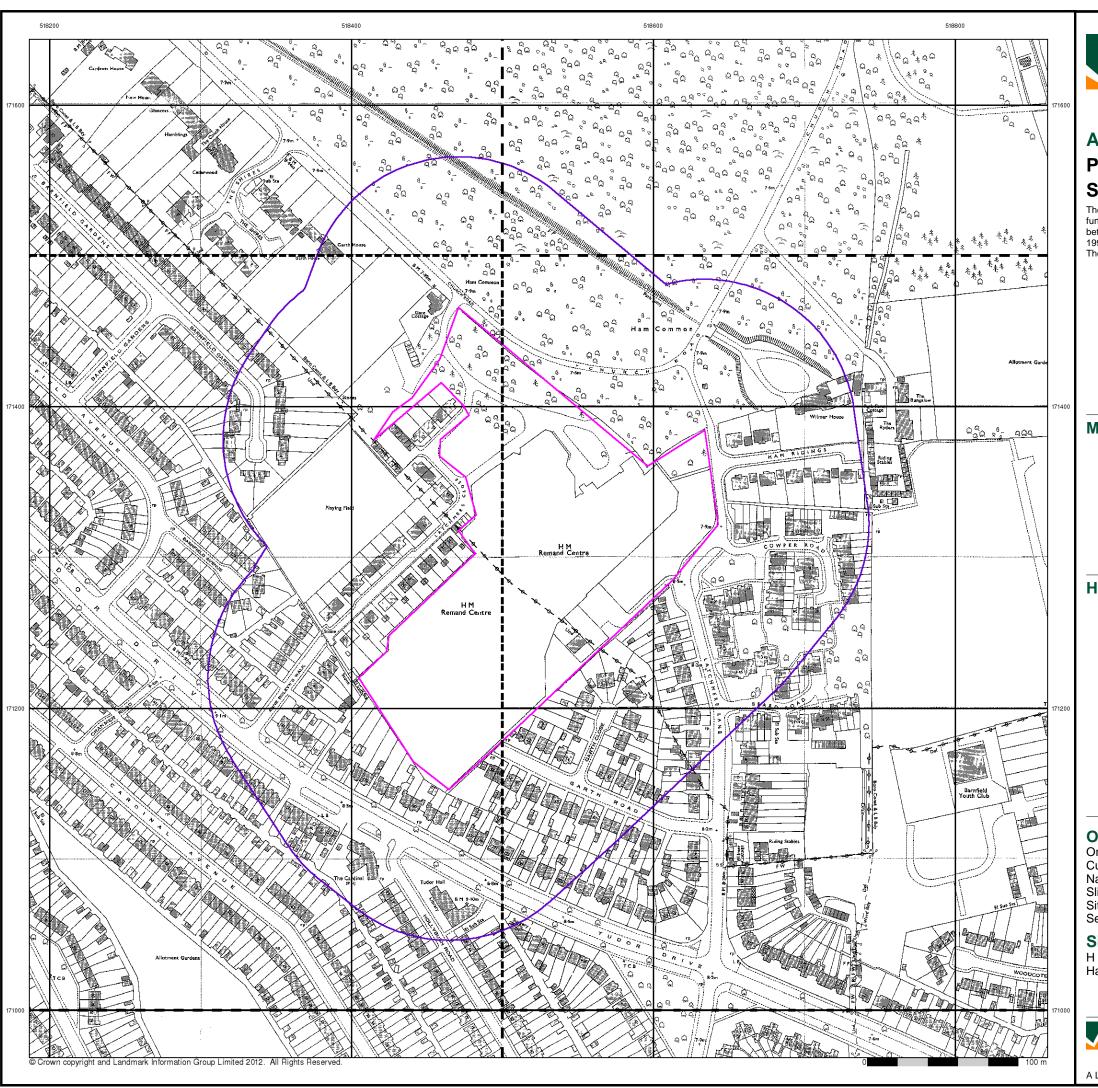
H M Resettlement Prison, Latchmere House, Church Road, Ham, RICHMOND, Surrey, TW10 5HH



0844 844 9951 www.envirocheck.co.uk

A Landmark Information Group Service v47.0 17-Jul-2012 Page 13 of 21







Additional SIMs

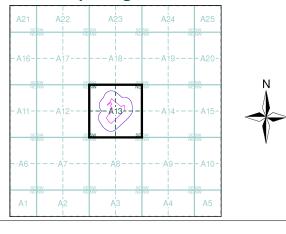
Published 1959 - 1976 Source map scale - 1:1,250

The SIM cards (Ordnance Survey's `Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

ΓQ 18 1974 1:1,2		TQ1871 1959 1:1,250	NE
ΓQ1 1974 1:1,2	.	TQ1871 1974 1:1,250	SE
FQ1: 1959 1:1,2)	TQ1870 1976 1:1,250	NE

Historical Map - Segment A13



Order Details

Order Number: 40288424_1_1
Customer Ref: 12.07.020
National Grid Reference: 518510, 171310 Slice:

Site Area (Ha): Search Buffer (m): 3.5 100

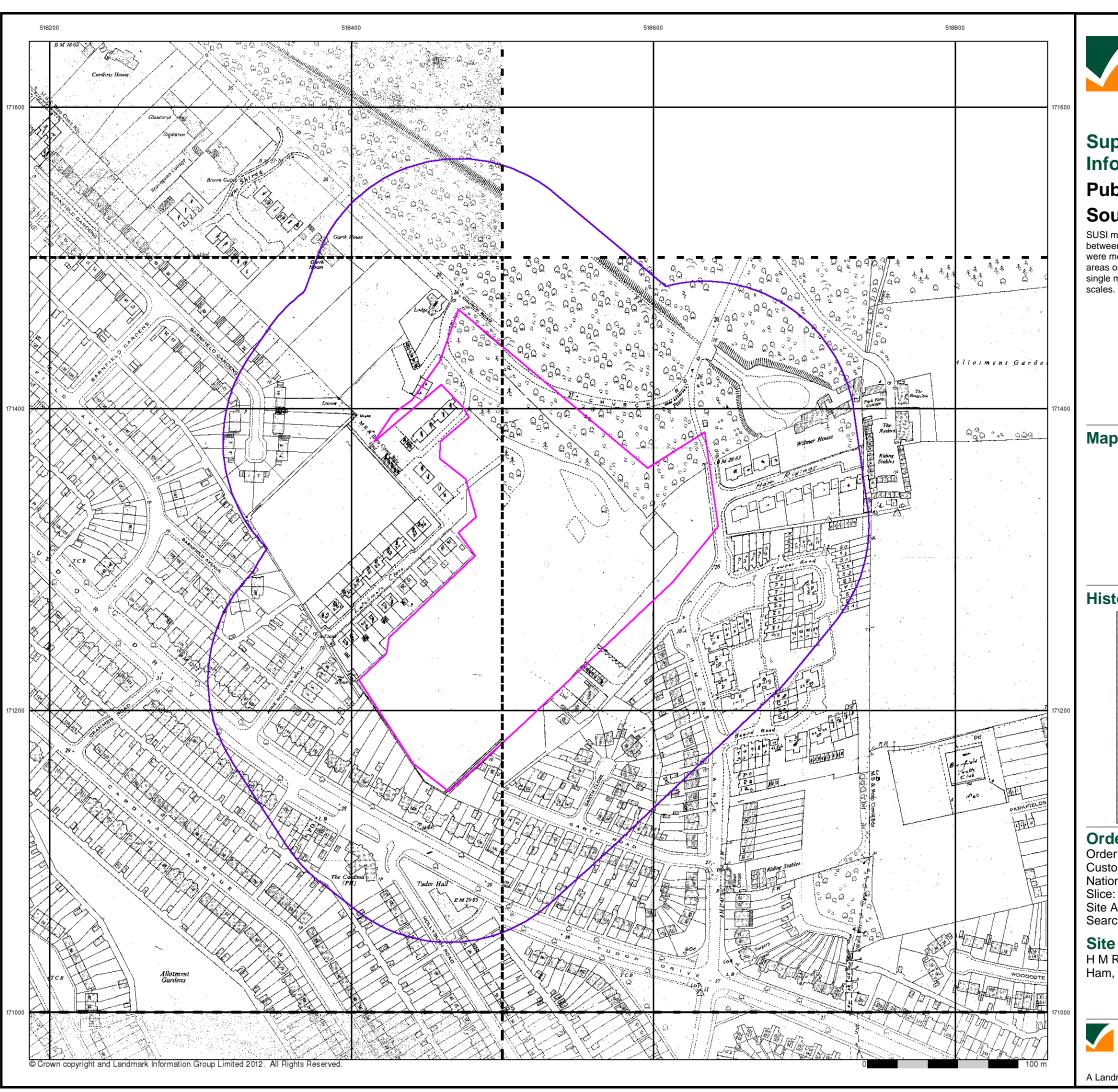
Site Details

H M Resettlement Prison, Latchmere House, Church Road, Ham, RICHMOND, Surrey, TW10 5HH



0844 844 9951 www.envirocheck.co.uk

A Landmark Information Group Service v47.0 17-Jul-2012 Page 15 of 21





Supply of Unpublished Survey Information

Published 1973

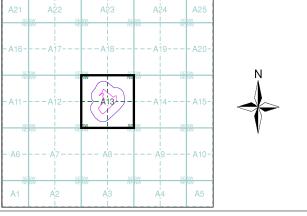
Source map scale - 1:1,250

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a `work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They were produced at both 1:2,500 and 1:1,250

Map Name(s) and Date(s)

[Q1871NW 1973 1:1,250

Historical Map - Segment A13



Order Details

40288424_1_1 12.07.020 Order Number: Customer Ref: National Grid Reference: 518510, 171310

Site Area (Ha): Search Buffer (m): 100

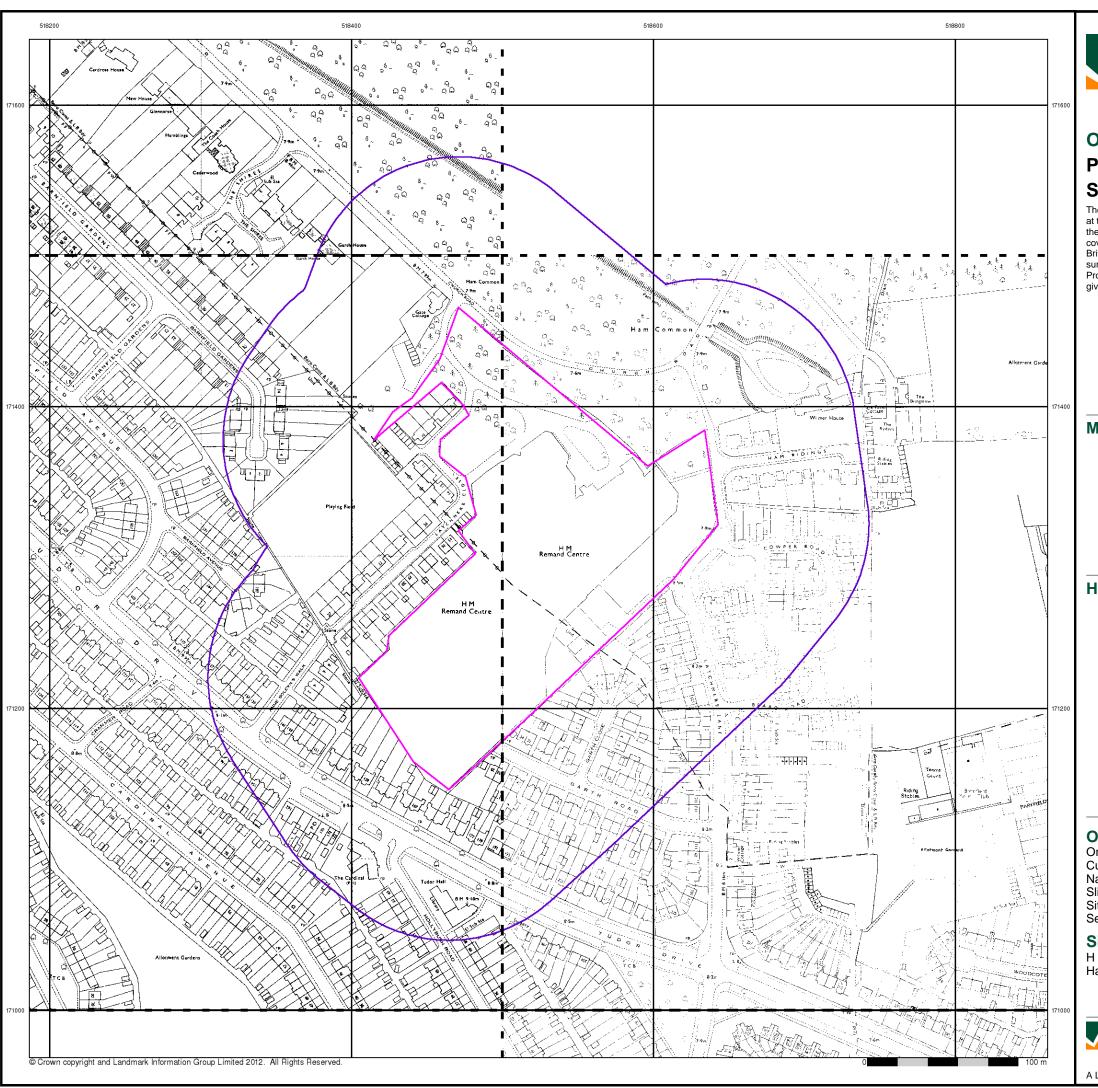
Site Details

H M Resettlement Prison, Latchmere House, Church Road, Ham, RICHMOND, Surrey, TW10 5HH



0844 844 9951 www.envirocheck.co.uk

A Landmark Information Group Service v47.0 17-Jul-2012 Page 16 of 21

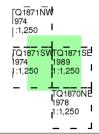




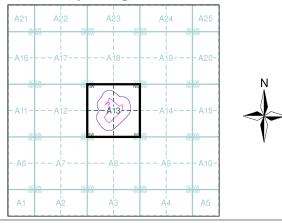
Ordnance Survey Plan Published 1974 - 1989 Source map scale - 1:1,250

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 40288424_1_1 Customer Ref: 12.07.020 National Grid Reference: 518510, 171310

Slice:

Site Area (Ha): 3.5 Search Buffer (m): 100

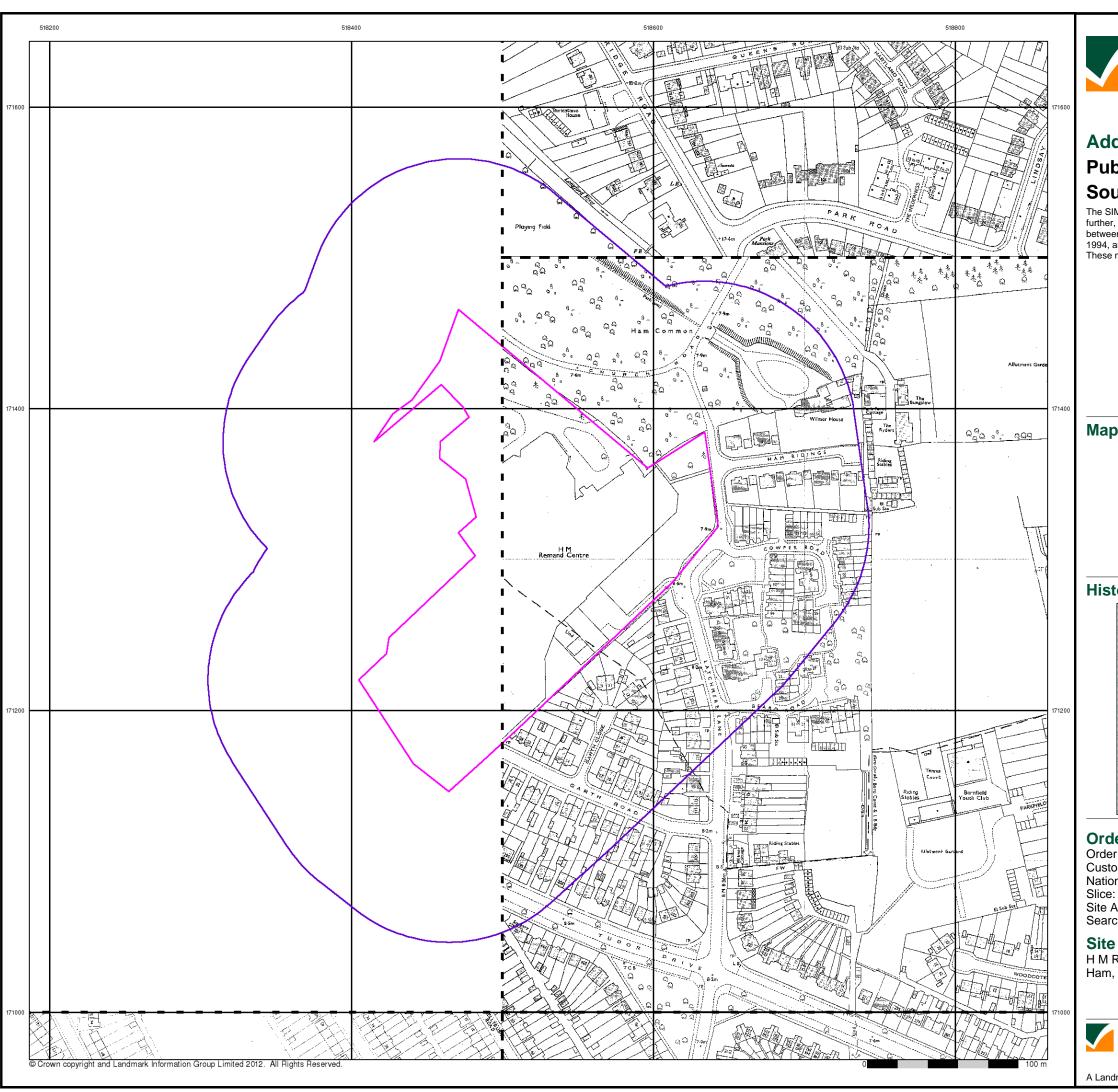
Site Details

H M Resettlement Prison, Latchmere House, Church Road, Ham, RICHMOND, Surrey, TW10 5HH



: 0844 844 9952 k: 0844 844 9951 bb: www.envirocheck.co.uk

A Landmark Information Group Service v47.0 17-Jul-2012 Page 17 of 21



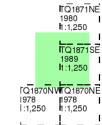


Additional SIMs

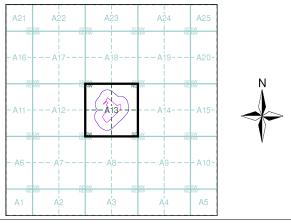
Published 1978 - 1989 Source map scale - 1:1,250

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

40288424_1_1 12.07.020 Order Number: Customer Ref: National Grid Reference: 518510, 171310

Site Area (Ha): Search Buffer (m): 3.5 100

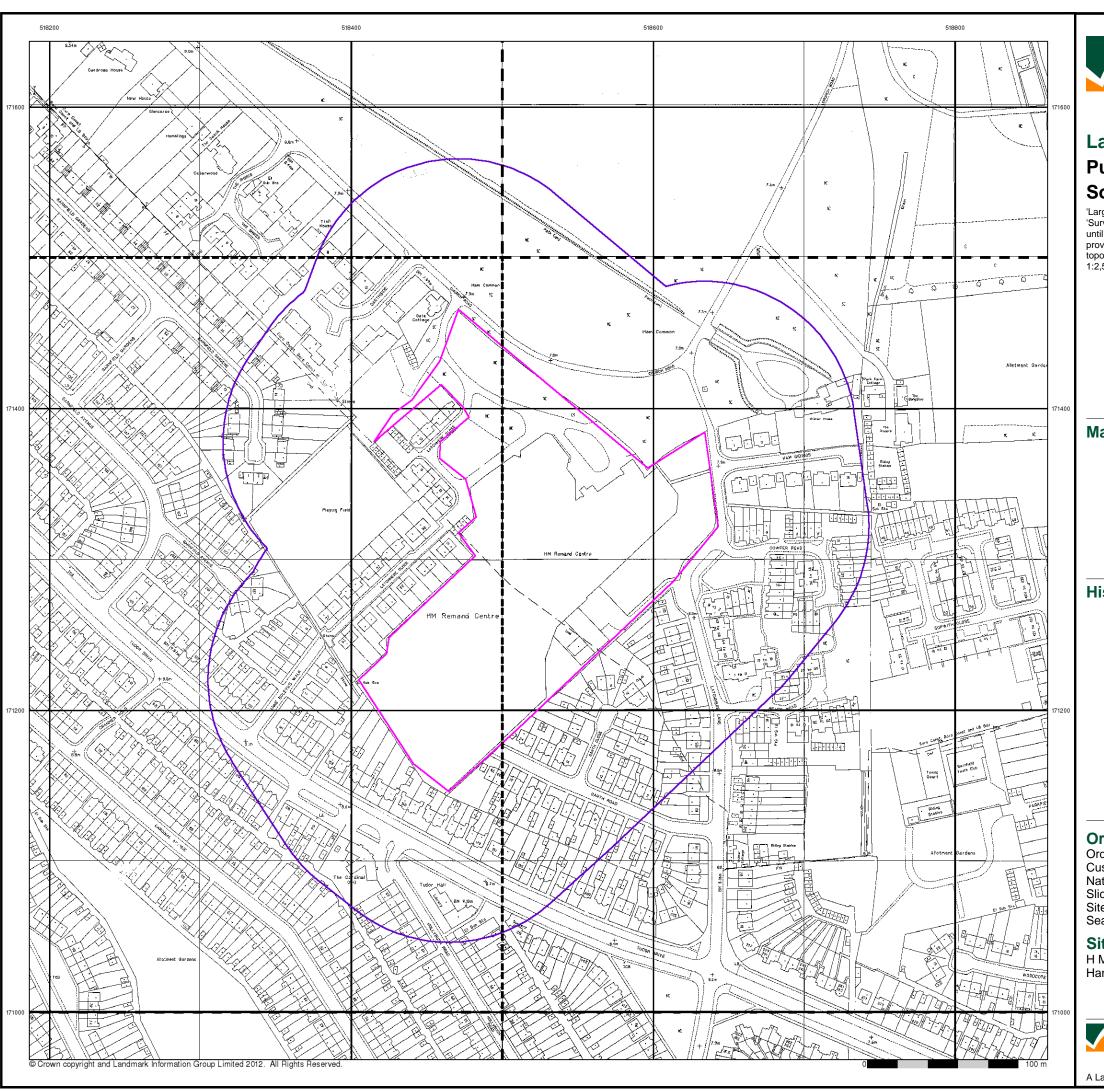
Site Details

H M Resettlement Prison, Latchmere House, Church Road, Ham, RICHMOND, Surrey, TW10 5HH



0844 844 9952 0844 844 9951 www.envirocheck.co.uk

A Landmark Information Group Service v47.0 17-Jul-2012 Page 18 of 21





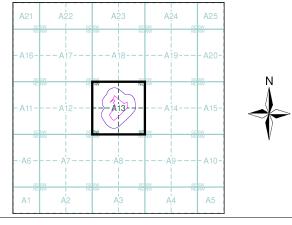
Large-Scale National Grid Data Published 1991 Source map scale - 1:1,250

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

FQ1: 1991 1:1,2	TQ1871 1991 1:1,250	NE
FQ1 1991 1:1,2	TQ1871 1991 1:1,250	SE
FQ1: 1991 1:1,2	TQ1870 1991 1:1,250	NE

Historical Map - Segment A13



Order Details

40288424_1_1 12.07.020 Order Number: Customer Ref: National Grid Reference: 518510, 171310 Slice:

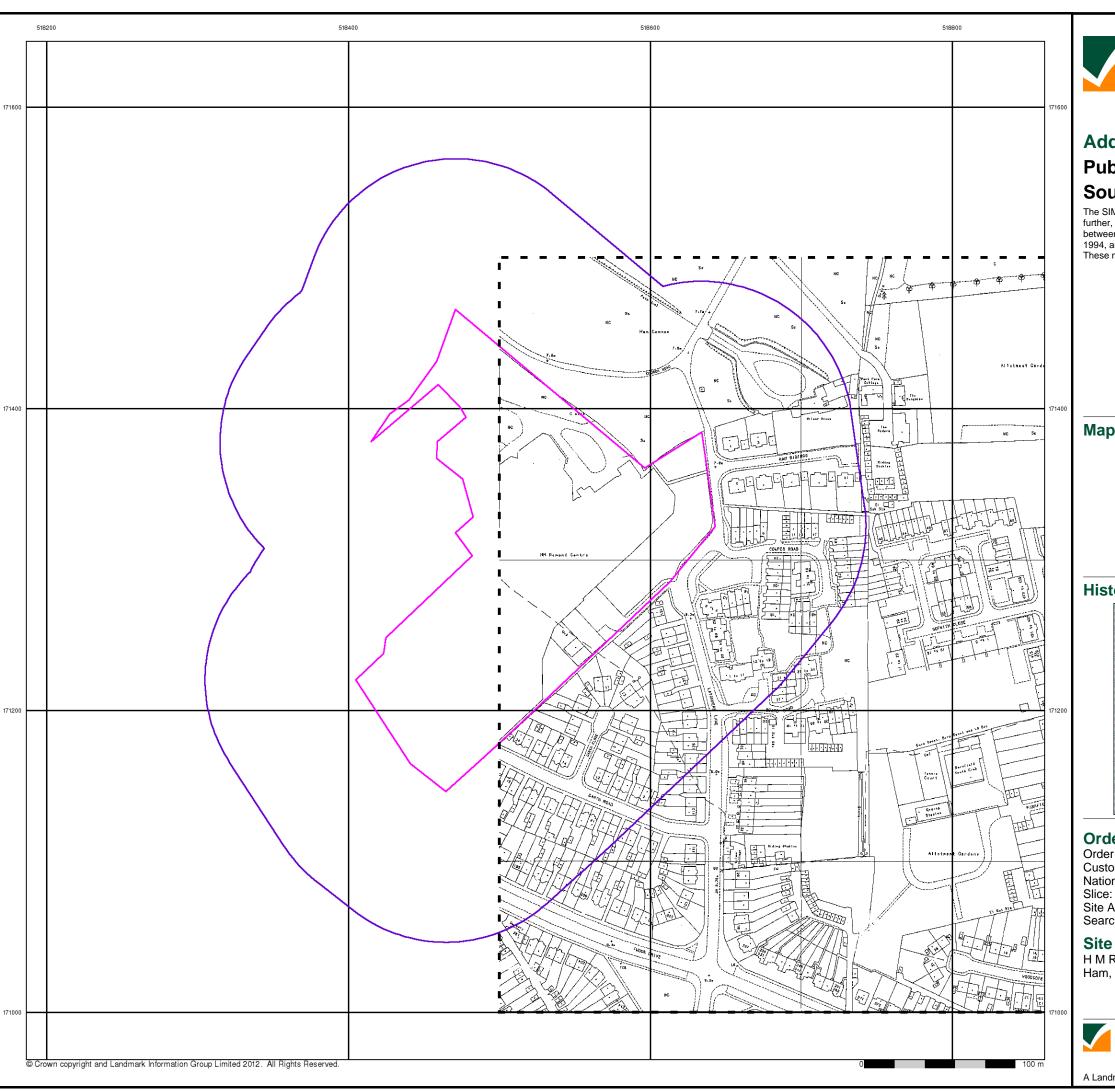
Site Area (Ha): Search Buffer (m): 100

Site Details

H M Resettlement Prison, Latchmere House, Church Road, Ham, RICHMOND, Surrey, TW10 5HH



0844 844 9951 www.envirocheck.co.uk





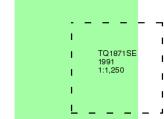
Additional SIMs

Published 1991

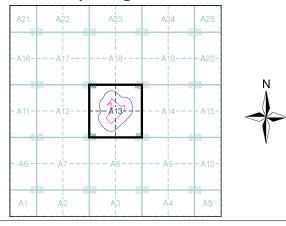
Source map scale - 1:1,250

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

40288424_1_1 12.07.020 Order Number: Customer Ref: National Grid Reference: 518510, 171310

Site Area (Ha): Search Buffer (m): 3.5 100

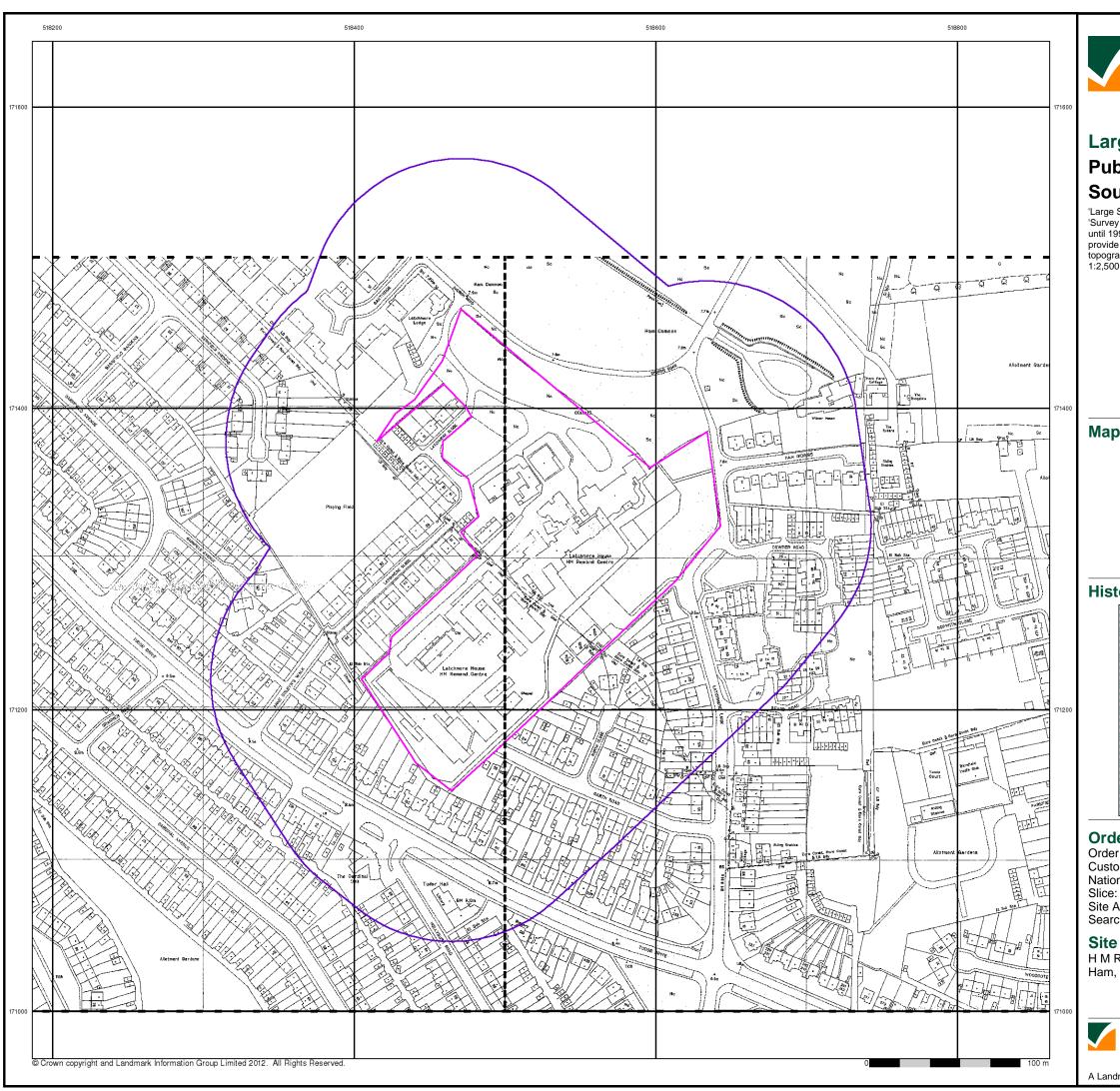
Site Details

H M Resettlement Prison, Latchmere House, Church Road, Ham, RICHMOND, Surrey, TW10 5HH



0844 844 9952 0844 844 9951 www.envirocheck.co.uk

A Landmark Information Group Service v47.0 17-Jul-2012 Page 20 of 21

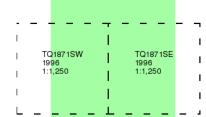




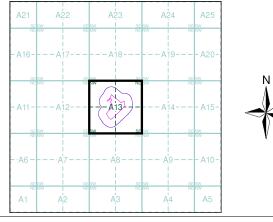
Large-Scale National Grid Data Published 1996 Source map scale - 1:1,250

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

40288424_1_1 12.07.020 Order Number: Customer Ref: National Grid Reference: 518510, 171310

Site Area (Ha): Search Buffer (m): 3.5 100

Site Details

H M Resettlement Prison, Latchmere House, Church Road, Ham, RICHMOND, Surrey, TW10 5HH



0844 844 9951 www.envirocheck.co.uk

A Landmark Information Group Service v47.0 17-Jul-2012 Page 21 of 21



APPENDIX 'D' ESI Statistical Analysis

Site ref	12-07-020 Latchmere House, Ham, Surrey
Data description	Lateriniere Flouse, Flam, Surrey
Data accomption	
Contaminant(s)	
Foot occupatio	Diagning, is true mean lawer than critical concentration (u Co)?
Test scenario	Planning: is true mean lower than critical concentration (μ < Cc)?
Date	1 September 2012
Jser details	Murray Bateman

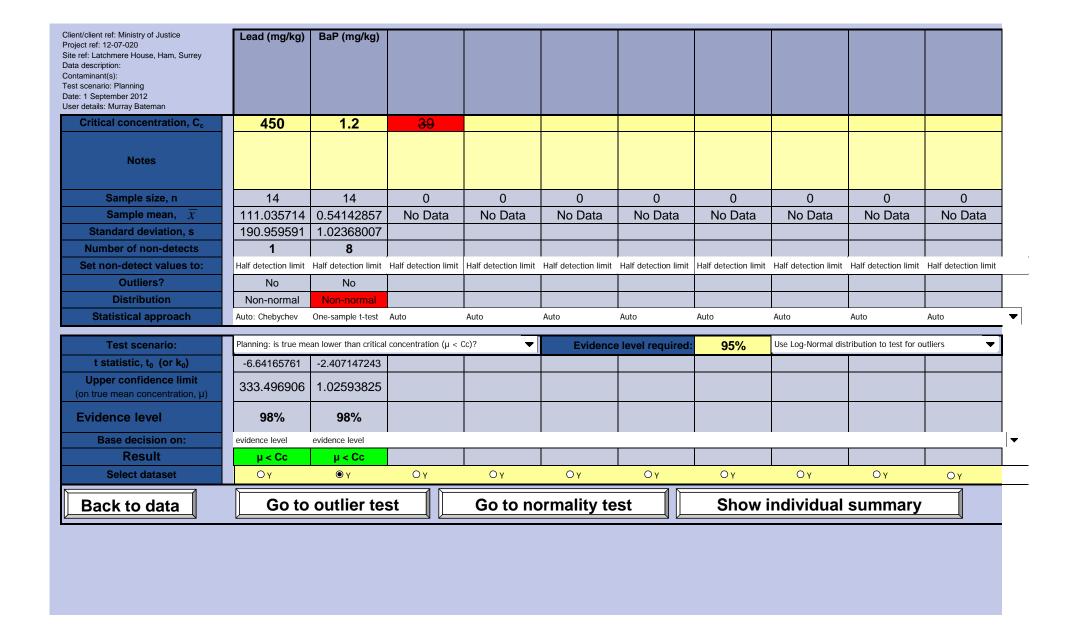


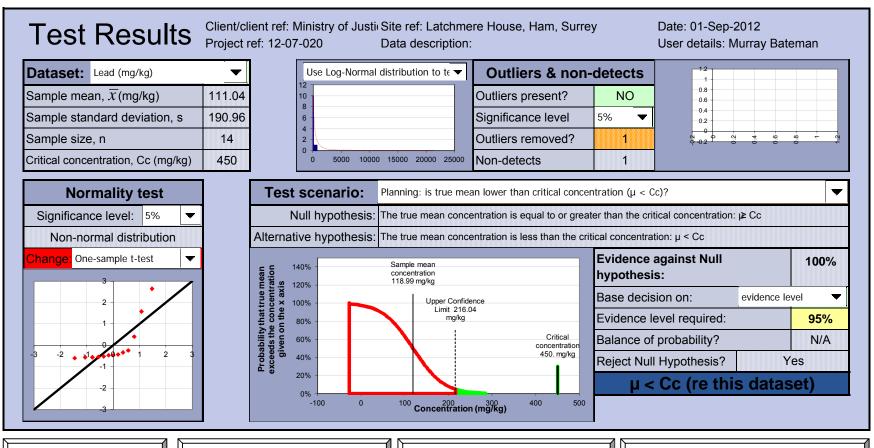
Input data

This spreadsheet has been produced based on the document 'Guidance on Comparing Soil Contamination Data with a Critical Concentration (CIEH/CL:AIRE, 2008)'. Users of this spreadsheet should always refer to this guidance, the User Manual and to relevant guidance on UK legislation and policy, in order to understand how the procedure should be applied in an appropriate context.

ESI Ltd (ESI) do not promise that the spreadsheet will provide any particular facilities or functions. The user must ensure that the spreadsheet meets their needs and they remain solely responsible for the competent use of the spreadsheet. Users are entirely responsible for the consequences of any use of the spreadsheet, ESI do not provide any warranty about the fitness for purpose or performance of any part of the spreadsheet. We do not promise that the media will always be free from defects, computer viruses, software locks or other similar code or that the operation of the spreadsheet will be uninterrupted or error free. The user should carry out all necessary virus checks prior to installing on their computing system.

© ESI Ltd. 2008



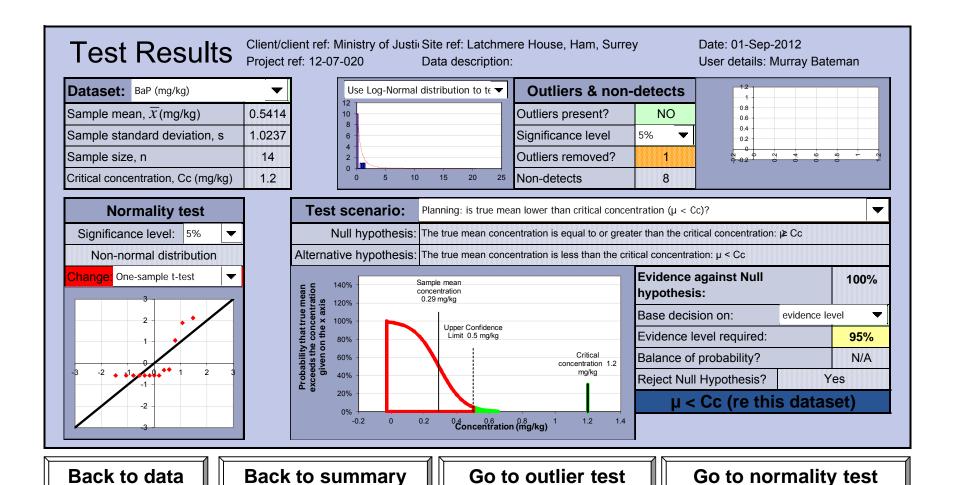


Back to data

Back to summary

Go to outlier test

Go to normality test





APPENDIX 'E' HazWasteOnline & WAC Testing Results



Job name

Latchmere House, Ham, TW10 5HH

Waste stream

Listers Suite 6 PAH in CAS order and no pH

Comments

Report

Created by: Bateman, Murray Created date: 07/09/2012 14:41

Job summary

# Sample name	Depth	Classification result	Hazardous properties
1 1	0.5	Non Hazardous	
2 4	0.4	Non Hazardous	
3 5	0.7	Non Hazardous	
4 6	0.6	Non Hazardous	
5 8	0.5	Non Hazardous	
6 9	0.5	Non Hazardous	
7 10	0.4	Non Hazardous	
8 11	0.5	Non Hazardous	
9 12	0.9	Non Hazardous	
10 13	0.4	Non Hazardous	
11 14	0.6	Non Hazardous	
12 15	0.5	Non Hazardous	

www.hazwasteonline.com Page 1 of 36



CEN 10:1 CUMULATIVE TWO STAGE BATCH TEST

Listers Geotechnical Consultants Slapton Hill Barn, Blakesley Road Slapton, Towcester Northamptonshire NN12 8QD

Results of analysis of 2 samples received 1 August 2012

FAO Murray Bateman

12-07-020 - Latchmere House, Richmond

Report Date 10 August 2012

Login Batch No 210412

AH58719 Soil: AH58718

Sample ID

Sample No

Sampling Date 26/07/2012 Depth 0.40m

Landfill Waste Acceptance Criteria Limits

Stable Non-reactive

Inert Waste Landfill

Hazardous Hazardous Waste in Non- Waste Landfill

Hazardous Landfill

Solid Waste Analysis

Determinand ↓	SOP ↓	*	Units ↓				
Total Organic Carbon	2625	М	%	2	3	5	6
Loss on Ignition	2610	N	%	3.05			10
Total BTEX	2761	М	mg kg-1	< 0.005	6		
Total PCBs (7 congeners)	2811	N	mg kg-1	<1	1		
TPH Total WAC	2670	М	mg kg-1	31	500		
Total (of 17) PAHs	2700	N	mg kg-1	25	100		
pH	2010	М		8.1		>6	
Acid Neutralisation Capacity	2015	N	mol kg-1	0.016		To evaluate	To evaluate

Eluate Analysis			2:1 Eluate	8:1 Eluate	2:1 Eluate	Cumulative 10:1 Eluate		for compliance EN 12457-3 at l	•
Determinand ↓	SOP ↓	*	mg l-1	mg l-1	mg kg-1	mg kg-1			
Arsenic	1450	N	0.011	0.011	< 0.05	0.11	0.5	2	25
Barium	1450	N	0.008	0.004	<0.5	<0.5	20	100	300
Cadmium	1450	N	< 0.0005	<0.0005	<0.01	<0.01	0.04	1	5
Chromium	1450	N	0.005	0.004	< 0.05	<0.05	0.5	10	70
Copper	1450	N	0.004	0.002	< 0.05	<0.05	2	50	100
Mercury	1450	N	< 0.0005	<0.0005	<0.01	<0.01	0.01	0.2	2
Molybdenum	1450	N	0.008	0.003	< 0.05	<0.05	0.5	10	30
Nickel	1450	N	0.002	0.001	< 0.05	<0.05	0.4	10	40
Lead	1450	N	0.001	<0.001	<0.01	<0.01	0.5	10	50
Antimony	1450	N	0.004	0.003	0.01	0.03	0.06	0.7	5
Selenium	1450	N	< 0.001	<0.001	<0.01	<0.01	0.1	0.5	7
Zinc	1450	N	0.006	0.005	<0.5	<0.5	4	50	200
Chloride	1220	N	2.9	0.62	5.8	9.09	800	15000	25000
Fluoride	1220	N	0.65	0.29	1.3	3.36	10	150	500
Sulfate	1220	N	17	0.66	34	27.3	1000	20000	50000
Total Dissolved Solids	1040	N	93	58	186	624	4000	60000	100000
Phenol Index	1920	N	< 0.03	<0.03	<0.5	<0.5	1		
Dissolved Organic Carbon	1610	N	6.2	6.1	<50	61.1	500	800	1000

Solid Information

Leach Test Information

Dry mass of test portion/kg 0.	.175
--------------------------------	------

Leachant volume 1st extract/l	0.319
Leachant volume 2nd extract/l	1.4
Eluate recovered from 1st extract/l	0.2219

All tests undertaken between 1-Aug-2012 and 10-Aug-2012

^{*} Accreditation status