

# 8 Estimated Background Soil Chemistry

Records of background estimated soil chemistry within 250m of the study site boundary:

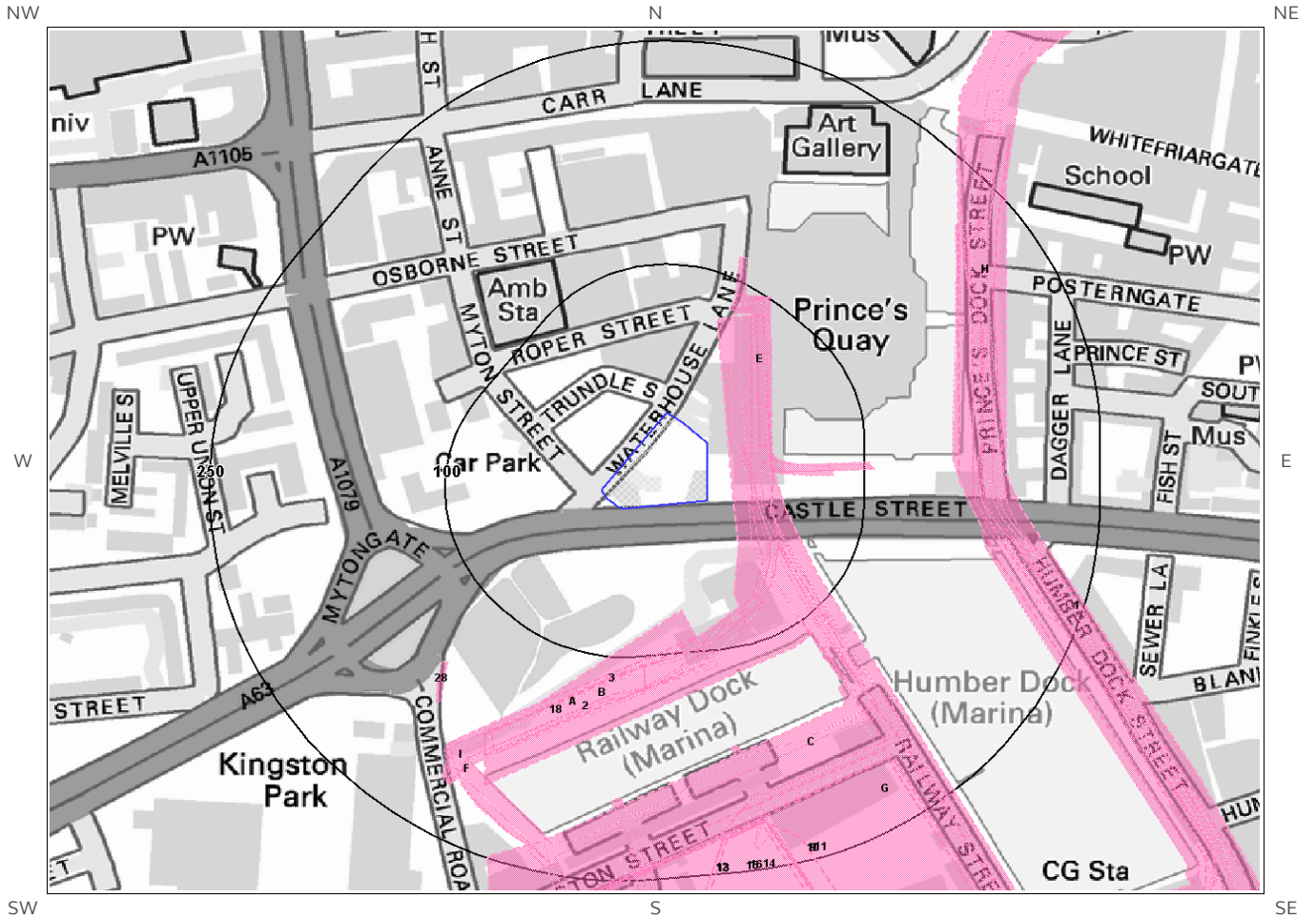
4

For further information on how this data is calculated and limitations upon its use, please see the Groundsure Geo Insight User Guide, available on request.

Distance (m)	Direction	Sample Type	Arsenic (As)	Cadmium (Cd)	Chromium (Cr)	Nickel (Ni)	Lead (Pb)
0.0	On Site	RuralSoil	15 - 25 mg/kg	<1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg	<100 mg/kg
0.0	On Site	RuralSoil	15 - 25 mg/kg	<1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg	<100 mg/kg
0.0	On Site	RuralSoil	15 - 25 mg/kg	<1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg	<100 mg/kg
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\*As this data is based upon underlying 1:50,000 scale geological information, a 50m buffer has been added to the search radius.

# 9 Railways and Tunnels map



Railways and Tunnels Legend

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- |  |  |  |                                     |
|--|--|--|-------------------------------------|
|  | Underground or Partially Underground Railway / Subway System |  | Railway Track (OpenStreetMap)       |
|  | Railway Tunnel (OS Mapping)                                  |  | High Speed 2                        |
|  | Abandoned or Dismantled Railway (OpenStreetMap)              |  | High Speed 2 Revised Proposed Route |
|  | Railway Track (OS Mapping)                                   |  | Crossrail 1                         |
|  | Railway and/or Tunnel Feature from Historical Mapping        |  |                                     |
- Site Outline  
 250 Search Buffers (m)  
 500 Search Buffers (m)

# 9 Railways and Tunnels

## 9.1 Tunnels

This data is derived from OpenStreetMap and provides information on the possible locations of underground railway systems in the UK - the London Underground, the Tyne & Wear Metro and the Glasgow Subway.

Have any underground railway lines been identified within the study site boundary? No

Have any underground railway lines been identified within 250m of the study site boundary? No

Database searched and no data found.

*Any records that have been identified are represented on the Railways and Tunnels map.*

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This data is derived from Ordnance Survey mapping and provides information on the possible locations of railway tunnels forming part of the UK overground railway network.

Have any other railway tunnels been identified within the site boundary? No

Have any other railway tunnels been identified within 250m of the site boundary? No

Database searched and no data found.

*Any records that have been identified are represented on the Railways and Tunnels map.*

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## 9.2 Historical Railway and Tunnel Features

This data is derived from Groundsure's unique Historical Land-use Database and contains features relating to tunnels, railway tracks or associated works that have been identified from historical Ordnance Survey mapping.

Have any historical railway or tunnel features been identified within the study site boundary? No

Have any historical railway or tunnel features been identified within 250m of the study site boundary? Yes

ID	Distance (m)	Direction	NGR	Details	Date
1	13	E	509583 428419	Railway Sidings	1890
17	17	E	509558 428551	Railway Sidings	1893
18	20	E	509578 428413	Tramway Sidings	1910
19C	21	E	509528 428358	Railway Sidings	1948
20C	21	E	509528 428358	Railway Sidings	1958
21D	22	E	509547 428277	Railway Sidings	1959

ID	Distance (m)	Direction	NGR	Details	Date
22D	22	E	509547 428277	Railway Sidings	1948
2	28	E	509645 428250	Railway Sidings	1948
23E	32	E	509574 428551	Railway Sidings	1948
24E	32	E	509574 428551	Railway Sidings	1951
25E	32	E	509574 428551	Railway Sidings	1959
3	71	S	509473 428341	Railway Sidings	1929
4A	90	S	509452 428321	Railway Sidings	1948
5A	90	S	509452 428321	Railway Sidings	1906
6B	96	S	509472 428329	Railway Sidings	1908
7B	96	S	509472 428329	Railway Sidings	1938
8B	96	S	509472 428329	Railway Sidings	1948
26F	104	S	509456 428177	Railway Sidings	1948
27F	104	S	509456 428177	Railway Sidings	1959
28	149	SW	509371 428341	Railway Sidings	1911
29	169	E	n/a	Railway	1893
30G	172	E	n/a	Railway	1928
31G	172	E	n/a	Railway	1910
32H	175	E	509717 428610	Railway Sidings	1948
33H	175	E	509717 428610	Railway Sidings	1959
34H	175	E	509717 428610	Railway Sidings	1951
35I	181	SW	509384 428288	Railway Sidings	1928
36I	181	SW	509384 428288	Railway Sidings	1911
37I	183	SW	509384 428285	Railway Sidings	1893
9	205	SE	506871 427240	Railway Sidings	1971
10	205	SE	506853 427252	Railway Sidings	1981
11	206	SE	506870 427413	Railway Sidings	1906
12	215	S	507912 427296	Railway Sidings	1948
13	217	S	506879 427229	Railway Sidings	1952
14	218	S	509433 428028	Railway Sidings	1929
15	218	S	509575 428112	Railway Sidings	1908

ID	Distance (m)	Direction	NGR	Details	Date
16	219	S	509455 428027	Railway Sidings	1938

*Any records that have been identified are represented on the Railways and Tunnels map.*

### 9.3 Historical Railways

This data is derived from OpenStreetMap and provides information on the possible alignments of abandoned or dismantled railway lines in proximity to the study site.

Have any historical railway lines been identified within the study site boundary? No

Have any historical railway lines been identified within 250m of the study site boundary? No

Database searched and no data found.

Multiple sections of the same track may be listed in the detail above

*Any records that have been identified are represented on the Railways and Tunnels map.*

### 9.4 Active Railways

These datasets are derived from Ordnance Survey mapping and OpenStreetMap and provide information on the possible locations of active railway lines in proximity to the study site.

Have any active railway lines been identified within the study site boundary? No

Have any active railway lines been identified within 250m of the study site boundary? No

Database searched and no data found.

Multiple sections of the same track may be listed in the detail above

*Any records that have been identified are represented on the Railways and Tunnels map.*

### 9.5 Railway Projects

These datasets provide information on the location of large scale railway projects High Speed 2 and Crossrail 1 .

Is the study site within 5km of the route of the High Speed 2 rail project? No

Is the study site within 500m of the route of the Crossrail 1 rail project? No

*Further information on proximity to these routes, the project construction status and associated works can be obtained through the purchase of a Groundsure HS2 and Crossrail 1 Report.*

The route data has been digitised from publicly available maps by Groundsure. The route as provided relates to the Crossrail 1 project only, and does not include any details of the Crossrail 2 project, as final details of the route for Crossrail 2 are still under consultation.

Please note that this assessment takes account of both the original Phase 2b proposed route and the amended route proposed in 2016. As the Phase 2b route is still under consultation, Groundsure are providing information on both options until the final route is formally confirmed. Practitioners should take account of this uncertainty when advising clients.