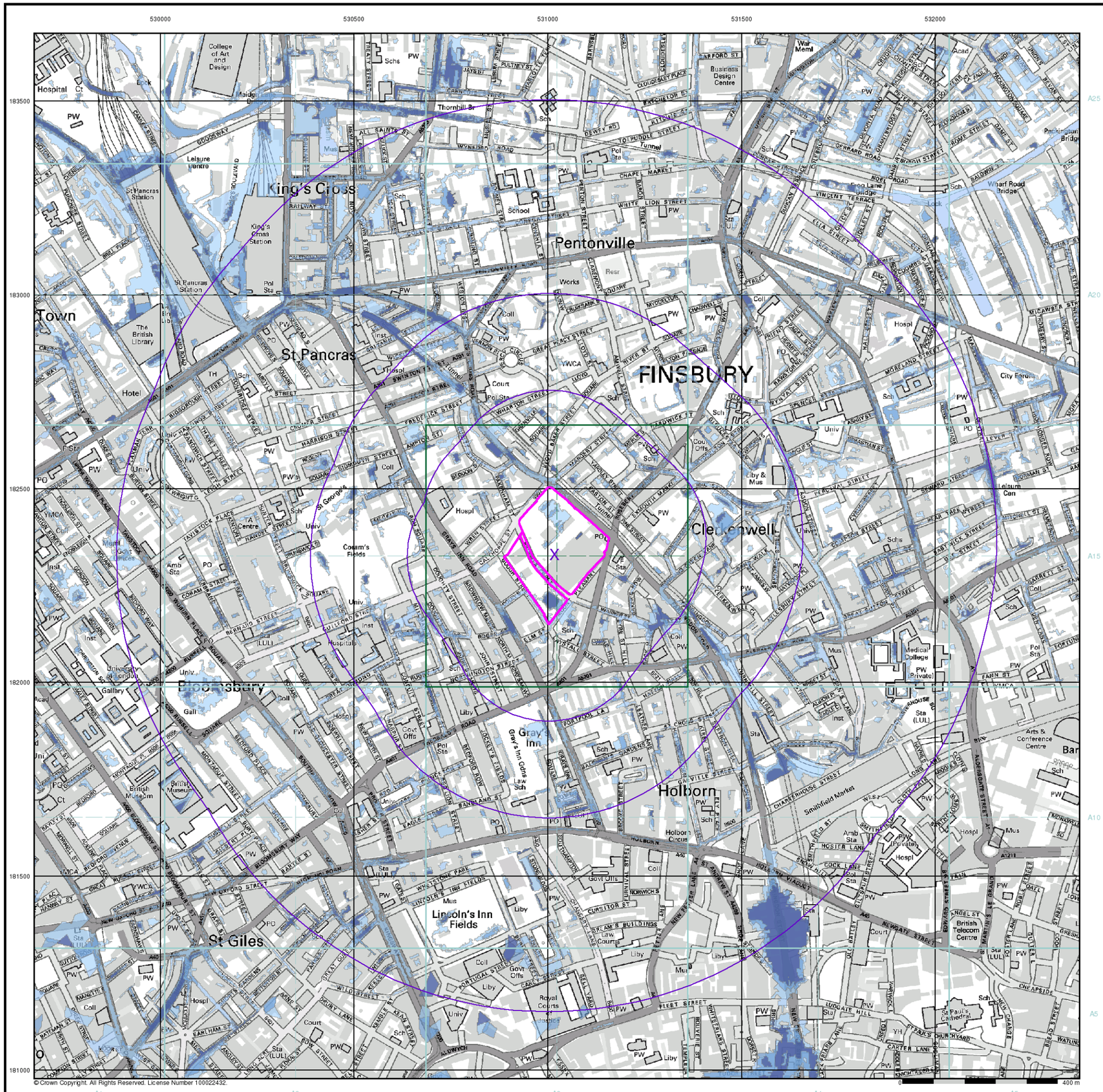


Waterman

General

- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

Risk of Flooding from Surface Water

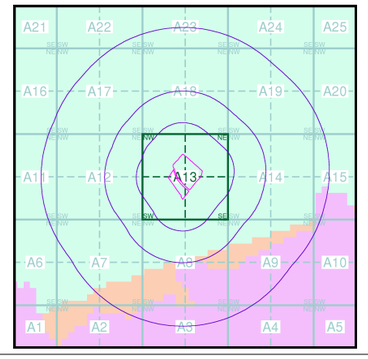
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

- National to county
- County to town
- Town to street
- Street to parcels of land
- Property

EA/NRW Suitability Map - Slice A



Order Details

Order Number:	88064573_1_1
Customer Ref:	WIE13235
National Grid Reference:	531020, 182330
Slice:	A
Site Area (Ha):	4.82
Search Buffer (m):	1000

Site Details

Mount Pleasant Sorting Office, Calthorpe Street, LONDON, EC1A 1BB

Landmark Information Group

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Envirocheck® Report:

Mining and Ground Stability Datasheet

Order Details:

Order Number:
88064573_1_1

Customer Reference:
WIE13235

National Grid Reference:
531020, 182330

Slice:
A

Site Area (Ha):
4.82

Search Buffer (m):
1000

Site Details:

Mount Pleasent Sorting Office
Calthorpe Street
LONDON
EC1A 1BB

Client Details:

Ms C Wilkinson
Waterman Infrastructure & Environment Ltd
Clink Street
Pickfords Wharf
London
SE1 9DG

Contents

Contents

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Mining and Natural Cavities Data					
BGS Recorded Mineral Sites					
Coal Mining Affected Areas			n/a	n/a	n/a
Man Made Mining Cavities					
Mining Instability			n/a	n/a	n/a
Natural Cavities	pg 1			1	
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential Mining Areas					
Historical Land Use Information (1:2,500)					
Extractive Industries or Potential Excavations from 1855-1909 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1893-1915 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1906-1937 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1924-1949 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1950-1980 (100m)	pg 2		1	n/a	n/a
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Historical Land Use Information (1:10,000)					
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Disturbed Ground					
General Quarrying					
Heap, unknown constituents					
Mineral Railway					
Mining & quarrying general					
Mining of coal & lignite					
Quarrying of sand & clay, operation of sand & gravel pits					
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Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)					

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
Ground Stability Data (1:50,000)					
Brine Compensation Area			n/a	n/a	n/a
Brine Pumping Related Features					
Brine Subsidence Solution Area					
Potential for Collapsible Ground Stability Hazards	pg 3	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 3	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 3	Yes		n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 3	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 3	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 3	Yes		n/a	n/a
Salt Mining Related Features					
Subsidence Insurance Claims				n/a	n/a
Subsidence Investigations	pg 3		8	n/a	n/a
Motion Map Data (1:2,500)					
Motion Map (100m)	pg 5	62	193	n/a	n/a

Report Version v50.0

Mining and Natural Cavities Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Coal Mining Affected Areas In an area which may not be affected by coal mining				
	Natural Cavities Cavity Type: Unknown x 1 Solid Geology Detail: London Clay Formation Superficial Geology Detail: Alluvium	A12NE (W)	298	1	530600 182400
	Non Coal Mining Areas of Great Britain No Hazard				

Historical Land Use Information (1:2,500)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**Extractive Industries or Potential Excavations from 1950-1980** Use: Air Shaft First Map Published Date: 1953 Last Map Published Date: N/A	A13NW (N)	76	2	530963 182567
2	**Subterranean Features** Use: Underground Railway/Tramway Name: Post Office Railway Location: London Type of Site: Transport Start Date: 1863 End Date: 2003	A13SW (S)	34	2	530994 182118

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Brine Compensation Area The site does not fall within the brine compensation area.				
	Brine Subsidence Solution Area The site does not fall within the brine subsidence solution area.				
3	**Potential for Collapsible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (E)	0	3	531018 182331
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	3	531009 182267
4	**Potential for Compressible Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	3	531009 182267
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (E)	0	3	531018 182331
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (E)	0	3	531018 182331
5	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (E)	0	3	531018 182331
6	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	3	531013 182347
7	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	25	3	531083 182215
8	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	227	3	531328 182189
9	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	3	531017 182351
10	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	3	531009 182267
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (E)	0	3	531018 182331
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	105	3	530904 182559
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	118	3	531168 182172
11	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (E)	0	3	531018 182331
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	3	530957 182354
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	3	531088 182363
	Subsidence Investigations Site Investigation Date: 25th March 2003 Root Survey: No CCTV Drain Survey: No Depth of Foundation Footing: Not Supplied Soil Classification: Not Supplied			2	

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Subsidence Investigations Site Investigation Date: 21st November 2000 Root Survey: No CCTV Drain Survey: No Depth of Foundation: Not Supplied Footing: Soil Classification: Not Supplied			2	
	Subsidence Investigations Site Investigation Date: 25th March 2002 Root Survey: No CCTV Drain Survey: No Depth of Foundation: Not Supplied Footing: Soil Classification: Not Supplied			2	
	Subsidence Investigations Site Investigation Date: 31st March 2006 Root Survey: Yes CCTV Drain Survey: No Depth of Foundation: 0.8 Footing: Soil Classification: Clay of Intermediate Plasticity			2	
	Subsidence Investigations Site Investigation Date: 1st May 2014 Root Survey: No CCTV Drain Survey: No Depth of Foundation: Not Supplied Footing: Soil Classification: Not Supplied			2	
	Subsidence Investigations Site Investigation Date: 9th February 2005 Root Survey: No CCTV Drain Survey: No Depth of Foundation: 1 Footing: Soil Classification: Clay of Very High Plasticity			2	
	Subsidence Investigations Site Investigation Date: 12th July 2007 Root Survey: Yes CCTV Drain Survey: No Depth of Foundation: 0.32 Footing: Soil Classification: Clay of Very High Plasticity			2	
	Subsidence Investigations Site Investigation Date: 21st March 2004 Root Survey: Yes CCTV Drain Survey: No Depth of Foundation: 0.17 Footing: Soil Classification: Clay of Very High Plasticity			2	

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	**Motion Map** Average Velocity Gradient (mmyear): -0.6	A13NE (E)	0	2	531142 182371
12	**Motion Map** Average Velocity Gradient (mmyear): -0.3	A13NE (E)	0	2	531147 182365
12	**Motion Map** Average Velocity Gradient (mmyear): -0.5	A13NE (E)	0	2	531143 182366
13	**Motion Map** Average Velocity Gradient (mmyear): 0.0	A13NE (NE)	0	2	531096 182379
13	**Motion Map** Average Velocity Gradient (mmyear): -0.4	A13NE (NE)	0	2	531096 182375
13	**Motion Map** Average Velocity Gradient (mmyear): -0.4	A13NE (NE)	0	2	531087 182377
13	**Motion Map** Average Velocity Gradient (mmyear): -0.4	A13NE (NE)	0	2	531094 182372
14	**Motion Map** Average Velocity Gradient (mmyear): -0.3	A13NE (E)	0	2	531149 182361
15	**Motion Map** Average Velocity Gradient (mmyear): -0.3	A13NE (NE)	0	2	531087 182373
16	**Motion Map** Average Velocity Gradient (mmyear): -1.3	A13SE (E)	0	2	531107 182325
16	**Motion Map** Average Velocity Gradient (mmyear): 0.1	A13SE (E)	0	2	531107 182321
17	**Motion Map** Average Velocity Gradient (mmyear): -0.1	A13NE (E)	0	2	531083 182329
18	**Motion Map** Average Velocity Gradient (mmyear): -0.2	A13NE (NE)	0	2	531108 182393
19	**Motion Map** Average Velocity Gradient (mmyear): 0.7	A13SE (E)	0	2	531098 182310
20	**Motion Map** Average Velocity Gradient (mmyear): 0.1	A13SE (E)	0	2	531072 182316
20	**Motion Map** Average Velocity Gradient (mmyear): -0.2	A13SE (E)	0	2	531066 182317
20	**Motion Map** Average Velocity Gradient (mmyear): -0.1	A13SE (E)	0	2	531069 182320
20	**Motion Map** Average Velocity Gradient (mmyear): -0.3	A13SE (E)	0	2	531067 182321
20	**Motion Map** Average Velocity Gradient (mmyear): -0.2	A13SE (E)	0	2	531078 182311
20	**Motion Map** Average Velocity Gradient (mmyear): 0.2	A13SE (E)	0	2	531077 182310

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	**Motion Map** Average Velocity Gradient (mmyear): 0.3	A13NE (E)	0	2	531059 182330
21	**Motion Map** Average Velocity Gradient (mmyear): -0.3	A13SE (E)	0	2	531056 182327
21	**Motion Map** Average Velocity Gradient (mmyear): -0.5	A13SE (E)	0	2	531063 182322
22	**Motion Map** Average Velocity Gradient (mmyear): -0.5	A13NW (W)	0	2	530938 182354
22	**Motion Map** Average Velocity Gradient (mmyear): -0.1	A13NW (W)	0	2	530940 182350
22	**Motion Map** Average Velocity Gradient (mmyear): -0.7	A13NW (W)	0	2	530938 182350
22	**Motion Map** Average Velocity Gradient (mmyear): -0.2	A13NW (W)	3	2	530942 182353
23	**Motion Map** Average Velocity Gradient (mmyear): -0.5	A13SE (SE)	0	2	531090 182292
23	**Motion Map** Average Velocity Gradient (mmyear): 0.1	A13SE (SE)	0	2	531090 182296
24	**Motion Map** Average Velocity Gradient (mmyear): -0.6	A13SW (W)	0	2	530939 182322
24	**Motion Map** Average Velocity Gradient (mmyear): -0.4	A13SW (W)	0	2	530937 182322
25	**Motion Map** Average Velocity Gradient (mmyear): 0.0	A13NW (W)	0	2	530931 182339
25	**Motion Map** Average Velocity Gradient (mmyear): -0.3	A13NW (W)	0	2	530927 182340
25	**Motion Map** Average Velocity Gradient (mmyear): -0.4	A13NW (W)	0	2	530933 182335
25	**Motion Map** Average Velocity Gradient (mmyear): -0.5	A13NW (W)	0	2	530926 182336
25	**Motion Map** Average Velocity Gradient (mmyear): -0.8	A13NW (W)	0	2	530930 182331
25	**Motion Map** Average Velocity Gradient (mmyear): -0.8	A13NW (W)	0	2	530924 182333
26	**Motion Map** Average Velocity Gradient (mmyear): -0.1	A13SE (SE)	0	2	531078 182306
27	**Motion Map** Average Velocity Gradient (mmyear): -0.4	A13SE (SE)	0	2	531036 182315
27	**Motion Map** Average Velocity Gradient (mmyear): -0.4	A13SE (SE)	0	2	531036 182311

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
28	**Motion Map** Average Velocity Gradient (mmyear): -0.4	A13NW (W)	0	2	530921 182337
29	**Motion Map** Average Velocity Gradient (mmyear): -0.3	A13SE (S)	0	2	531027 182296
29	**Motion Map** Average Velocity Gradient (mmyear): -0.4	A13SE (S)	0	2	531024 182296
29	**Motion Map** Average Velocity Gradient (mmyear): -0.5	A13SE (S)	0	2	531026 182292
29	**Motion Map** Average Velocity Gradient (mmyear): -0.9	A13SW (S)	0	2	531019 182293
30	**Motion Map** Average Velocity Gradient (mmyear): -0.2	A13SE (S)	0	2	531029 182283
31	**Motion Map** Average Velocity Gradient (mmyear): 0.1	A13SE (SE)	0	2	531064 182244
31	**Motion Map** Average Velocity Gradient (mmyear): 0.3	A13SE (SE)	0	2	531062 182240
31	**Motion Map** Average Velocity Gradient (mmyear): 0.8	A13SE (SE)	0	2	531058 182242
32	**Motion Map** Average Velocity Gradient (mmyear): -0.6	A13SE (SE)	0	2	531049 182263
33	**Motion Map** Average Velocity Gradient (mmyear): -0.7	A13SE (S)	0	2	531052 182230
34	**Motion Map** Average Velocity Gradient (mmyear): -0.1	A13SE (SE)	0	2	531076 182254
35	**Motion Map** Average Velocity Gradient (mmyear): -0.1	A13NE (NE)	0	2	531138 182383
35	**Motion Map** Average Velocity Gradient (mmyear): -0.3	A13NE (E)	0	2	531136 182380
35	**Motion Map** Average Velocity Gradient (mmyear): -0.1	A13NE (NE)	0	2	531132 182380
36	**Motion Map** Average Velocity Gradient (mmyear): 0.0	A13NE (E)	0	2	531117 182363
36	**Motion Map** Average Velocity Gradient (mmyear): -0.3	A13NE (E)	0	2	531121 182359
37	**Motion Map** Average Velocity Gradient (mmyear): -1.7	A13NE (E)	0	2	531112 182344
38	**Motion Map** Average Velocity Gradient (mmyear): -0.7	A13NE (E)	0	2	531081 182350
39	**Motion Map** Average Velocity Gradient (mmyear): -0.9	A13NE (E)	0	2	531097 182359

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
40	**Motion Map** Average Velocity Gradient (mmyear): 0.5	A13NE (E)	0	2	531118 182335
41	**Motion Map** Average Velocity Gradient (mmyear): 0.0	A13NE (NE)	0	2	531051 182348
42	**Motion Map** Average Velocity Gradient (mmyear): -0.2	A13NE (E)	0	2	531062 182342
43	**Motion Map** Average Velocity Gradient (mmyear): 0.0	A13SW (SW)	9	2	530954 182213
43	**Motion Map** Average Velocity Gradient (mmyear): -0.6	A13SW (SW)	11	2	530955 182209
43	**Motion Map** Average Velocity Gradient (mmyear): -1.0	A13SW (SW)	12	2	530950 182214
43	**Motion Map** Average Velocity Gradient (mmyear): -1.4	A13SW (SW)	13	2	530948 182214
43	**Motion Map** Average Velocity Gradient (mmyear): -0.7	A13SW (SW)	13	2	530949 182214
43	**Motion Map** Average Velocity Gradient (mmyear): -0.8	A13SW (SW)	14	2	530951 182210
43	**Motion Map** Average Velocity Gradient (mmyear): -0.7	A13SW (SW)	14	2	530951 182210
43	**Motion Map** Average Velocity Gradient (mmyear): -1.1	A13SW (SW)	16	2	530951 182206
43	**Motion Map** Average Velocity Gradient (mmyear): -1.4	A13SW (SW)	17	2	530946 182211
44	**Motion Map** Average Velocity Gradient (mmyear): -1.1	A13SW (SW)	12	2	530944 182223
44	**Motion Map** Average Velocity Gradient (mmyear): -1.1	A13SW (SW)	13	2	530939 182228
44	**Motion Map** Average Velocity Gradient (mmyear): -1.0	A13SW (SW)	15	2	530942 182220
45	**Motion Map** Average Velocity Gradient (mmyear): -1.1	A13SW (S)	13	2	530965 182191
45	**Motion Map** Average Velocity Gradient (mmyear): -1.4	A13SW (S)	16	2	530964 182187
45	**Motion Map** Average Velocity Gradient (mmyear): -1.1	A13SW (S)	16	2	530961 182192
45	**Motion Map** Average Velocity Gradient (mmyear): -1.2	A13SW (SW)	19	2	530957 182193
46	**Motion Map** Average Velocity Gradient (mmyear): -1.5	A13SW (S)	15	2	530966 182187

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
46	**Motion Map** Average Velocity Gradient (mmyear): -1.8	A13SW (S)	18	2	530964 182183
46	**Motion Map** Average Velocity Gradient (mmyear): -1.5	A13SW (S)	19	2	530960 182188
46	**Motion Map** Average Velocity Gradient (mmyear): -1.5	A13SW (S)	19	2	530963 182183
46	**Motion Map** Average Velocity Gradient (mmyear): -1.6	A13SW (S)	22	2	530959 182184
46	**Motion Map** Average Velocity Gradient (mmyear): -2.2	A13SW (S)	24	2	530959 182180
47	**Motion Map** Average Velocity Gradient (mmyear): -0.7	A13NW (N)	16	2	530974 182497
47	**Motion Map** Average Velocity Gradient (mmyear): -0.7	A13NW (N)	17	2	530975 182500
47	**Motion Map** Average Velocity Gradient (mmyear): -0.7	A13NW (N)	19	2	530971 182498
47	**Motion Map** Average Velocity Gradient (mmyear): -0.7	A13NW (N)	20	2	530972 182501
47	**Motion Map** Average Velocity Gradient (mmyear): -0.5	A13NW (N)	22	2	530973 182505
47	**Motion Map** Average Velocity Gradient (mmyear): -1.4	A13NW (N)	22	2	530967 182498
48	**Motion Map** Average Velocity Gradient (mmyear): -0.4	A13SW (SW)	17	2	530926 182239
49	**Motion Map** Average Velocity Gradient (mmyear): -0.5	A13NW (N)	18	2	530977 182504
49	**Motion Map** Average Velocity Gradient (mmyear): -0.8	A13NW (N)	20	2	530982 182511
49	**Motion Map** Average Velocity Gradient (mmyear): -0.1	A13NW (N)	20	2	530978 182508
50	**Motion Map** Average Velocity Gradient (mmyear): -0.2	A13SW (W)	18	2	530882 182300
51	**Motion Map** Average Velocity Gradient (mmyear): 0.0	A13SE (SE)	22	2	531125 182273
52	**Motion Map** Average Velocity Gradient (mmyear): -0.4	A13SW (SW)	22	2	530896 182273
52	**Motion Map** Average Velocity Gradient (mmyear): -0.3	A13SW (SW)	28	2	530891 182270
53	**Motion Map** Average Velocity Gradient (mmyear): -0.6	A13SW (SW)	22	2	530952 182194

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
53	**Motion Map** Average Velocity Gradient (mmyear): -1.4	A13SW (SW)	29	2	530949 182186
54	**Motion Map** Average Velocity Gradient (mmyear): -1.5	A13SW (SW)	23	2	530954 182189
54	**Motion Map** Average Velocity Gradient (mmyear): -1.7	A13SW (SW)	24	2	530956 182184
55	**Motion Map** Average Velocity Gradient (mmyear): -1.5	A13NW (N)	24	2	530964 182499
56	**Motion Map** Average Velocity Gradient (mmyear): -1.3	A13NE (N)	26	2	531069 182486
56	**Motion Map** Average Velocity Gradient (mmyear): -0.5	A13NE (N)	31	2	531078 182484
56	**Motion Map** Average Velocity Gradient (mmyear): -0.3	A13NE (N)	34	2	531078 182488
57	**Motion Map** Average Velocity Gradient (mmyear): -1.1	A13NW (N)	28	2	530963 182503
58	**Motion Map** Average Velocity Gradient (mmyear): -0.2	A13NE (NE)	29	2	531128 182438
58	**Motion Map** Average Velocity Gradient (mmyear): 0.2	A13NE (NE)	33	2	531130 182442
59	**Motion Map** Average Velocity Gradient (mmyear): -0.4	A13NE (NE)	30	2	531095 182469
59	**Motion Map** Average Velocity Gradient (mmyear): -0.4	A13NE (NE)	31	2	531097 182469
59	**Motion Map** Average Velocity Gradient (mmyear): -0.3	A13NE (NE)	34	2	531097 182473
60	**Motion Map** Average Velocity Gradient (mmyear): 0.5	A13SE (E)	32	2	531175 182315
60	**Motion Map** Average Velocity Gradient (mmyear): -0.3	A13SE (E)	34	2	531178 182315
60	**Motion Map** Average Velocity Gradient (mmyear): -0.3	A13SE (E)	34	2	531176 182311
60	**Motion Map** Average Velocity Gradient (mmyear): -0.2	A13SE (E)	36	2	531178 182311
60	**Motion Map** Average Velocity Gradient (mmyear): 0.1	A13SE (E)	39	2	531183 182314
60	**Motion Map** Average Velocity Gradient (mmyear): -0.1	A13SE (E)	40	2	531182 182310
61	**Motion Map** Average Velocity Gradient (mmyear): 0.0	A13NW (NW)	34	2	530896 182395

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
62	**Motion Map** Average Velocity Gradient (mmyear): -1.5	A13SW (SW)	34	2	530952 182173
62	**Motion Map** Average Velocity Gradient (mmyear): -1.7	A13SW (SW)	35	2	530950 182174
62	**Motion Map** Average Velocity Gradient (mmyear): -1.7	A13SW (S)	36	2	530952 182169
62	**Motion Map** Average Velocity Gradient (mmyear): -1.6	A13SW (SW)	39	2	530948 182170
63	**Motion Map** Average Velocity Gradient (mmyear): -1.2	A13SW (SW)	35	2	530936 182193
64	**Motion Map** Average Velocity Gradient (mmyear): -1.0	A13NW (NW)	35	2	530912 182456
65	**Motion Map** Average Velocity Gradient (mmyear): -1.4	A13SW (S)	38	2	530953 182165
65	**Motion Map** Average Velocity Gradient (mmyear): -1.4	A13SW (S)	39	2	530953 182161
65	**Motion Map** Average Velocity Gradient (mmyear): 0.1	A13SW (S)	41	2	530951 182162
65	**Motion Map** Average Velocity Gradient (mmyear): 0.1	A13SW (S)	41	2	530951 182161
66	**Motion Map** Average Velocity Gradient (mmyear): -1.6	A13SW (S)	39	2	530952 182165
66	**Motion Map** Average Velocity Gradient (mmyear): -1.5	A13SW (SW)	41	2	530948 182166
66	**Motion Map** Average Velocity Gradient (mmyear): -1.7	A13SW (S)	41	2	530951 182161
66	**Motion Map** Average Velocity Gradient (mmyear): -1.5	A13SW (S)	42	2	530951 182157
66	**Motion Map** Average Velocity Gradient (mmyear): -1.7	A13SW (SW)	44	2	530948 182162
67	**Motion Map** Average Velocity Gradient (mmyear): -0.3	A13SW (S)	39	2	530999 182111
67	**Motion Map** Average Velocity Gradient (mmyear): -0.9	A13SW (S)	43	2	531000 182107
68	**Motion Map** Average Velocity Gradient (mmyear): 0.3	A13NE (NE)	40	2	531166 182418
68	**Motion Map** Average Velocity Gradient (mmyear): -0.7	A13NE (NE)	48	2	531169 182426
69	**Motion Map** Average Velocity Gradient (mmyear): -0.7	A13SE (S)	42	2	531046 182139

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
70	**Motion Map** Average Velocity Gradient (mmyear): -0.8	A13SE (S)	42	2	531076 182177
70	**Motion Map** Average Velocity Gradient (mmyear): -1.0	A13SE (S)	46	2	531077 182173
71	**Motion Map** Average Velocity Gradient (mmyear): 0.1	A13NE (E)	45	2	531193 182328
71	**Motion Map** Average Velocity Gradient (mmyear): -0.1	A13SE (E)	46	2	531193 182324
71	**Motion Map** Average Velocity Gradient (mmyear): -0.1	A13SE (E)	50	2	531197 182323
72	**Motion Map** Average Velocity Gradient (mmyear): -0.1	A13NE (N)	47	2	531069 182514
73	**Motion Map** Average Velocity Gradient (mmyear): 0.0	A13NW (N)	49	2	530977 182545
73	**Motion Map** Average Velocity Gradient (mmyear): -0.1	A13NW (N)	51	2	530973 182545
73	**Motion Map** Average Velocity Gradient (mmyear): 0.0	A13NW (N)	52	2	530978 182549
73	**Motion Map** Average Velocity Gradient (mmyear): -0.1	A13NW (N)	54	2	530975 182549
74	**Motion Map** Average Velocity Gradient (mmyear): 0.8	A13NE (E)	49	2	531205 182386
74	**Motion Map** Average Velocity Gradient (mmyear): 0.7	A13NE (E)	52	2	531208 182386
74	**Motion Map** Average Velocity Gradient (mmyear): 0.8	A13NE (E)	56	2	531211 182389
75	**Motion Map** Average Velocity Gradient (mmyear): -1.5	A13NW (NW)	52	2	530875 182419
76	**Motion Map** Average Velocity Gradient (mmyear): -0.2	A13SW (S)	53	2	530977 182104
77	**Motion Map** Average Velocity Gradient (mmyear): -1.1	A13NW (NW)	53	2	530874 182415
78	**Motion Map** Average Velocity Gradient (mmyear): -1.1	A13NE (NE)	54	2	531141 182460
78	**Motion Map** Average Velocity Gradient (mmyear): -0.8	A13NE (NE)	55	2	531138 182464
78	**Motion Map** Average Velocity Gradient (mmyear): -0.8	A13NE (NE)	57	2	531141 182464
78	**Motion Map** Average Velocity Gradient (mmyear): -0.3	A13NE (NE)	60	2	531141 182468

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
79	**Motion Map** Average Velocity Gradient (mmyear): -1.1	A13SW (SW)	55	2	530936 182161
80	**Motion Map** Average Velocity Gradient (mmyear): -0.5	A13SE (S)	57	2	531070 182146
80	**Motion Map** Average Velocity Gradient (mmyear): -0.1	A13SE (S)	61	2	531075 182145
81	**Motion Map** Average Velocity Gradient (mmyear): 0.3	A13NW (W)	59	2	530837 182354
81	**Motion Map** Average Velocity Gradient (mmyear): 0.1	A13NW (W)	62	2	530832 182351
81	**Motion Map** Average Velocity Gradient (mmyear): 0.0	A13NW (W)	63	2	530830 182347
82	**Motion Map** Average Velocity Gradient (mmyear): -1.3	A13SE (SE)	59	2	531102 182184
82	**Motion Map** Average Velocity Gradient (mmyear): -0.8	A13SE (SE)	61	2	531102 182180
83	**Motion Map** Average Velocity Gradient (mmyear): 0.0	A13SW (SW)	61	2	530864 182251
83	**Motion Map** Average Velocity Gradient (mmyear): -0.5	A13SW (SW)	61	2	530867 182247
83	**Motion Map** Average Velocity Gradient (mmyear): -0.1	A13SW (SW)	64	2	530863 182247
84	**Motion Map** Average Velocity Gradient (mmyear): -0.3	A13SE (SE)	62	2	531146 182236
84	**Motion Map** Average Velocity Gradient (mmyear): -0.2	A13SE (SE)	63	2	531146 182233
85	**Motion Map** Average Velocity Gradient (mmyear): -1.4	A13SW (SW)	63	2	530905 182190
86	**Motion Map** Average Velocity Gradient (mmyear): -0.3	A13SW (SW)	64	2	530926 182158
86	**Motion Map** Average Velocity Gradient (mmyear): -0.4	A13SW (SW)	64	2	530925 182158
86	**Motion Map** Average Velocity Gradient (mmyear): -0.5	A13SW (SW)	71	2	530922 182151
86	**Motion Map** Average Velocity Gradient (mmyear): -0.3	A13SW (SW)	71	2	530923 182151
86	**Motion Map** Average Velocity Gradient (mmyear): -0.1	A13SW (SW)	71	2	530922 182151
87	**Motion Map** Average Velocity Gradient (mmyear): -0.3	A13NW (N)	67	2	530957 182553

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
88	**Motion Map** Average Velocity Gradient (mmyear): -1.7	A13SE (SE)	67	2	531142 182221
89	**Motion Map** Average Velocity Gradient (mmyear): 0.0	A13SW (W)	67	2	530835 182281
89	**Motion Map** Average Velocity Gradient (mmyear): -0.1	A13SW (W)	71	2	530833 182278
90	**Motion Map** Average Velocity Gradient (mmyear): 0.2	A13SE (SE)	67	2	531164 182249
90	**Motion Map** Average Velocity Gradient (mmyear): 0.3	A13SE (SE)	70	2	531168 182248
90	**Motion Map** Average Velocity Gradient (mmyear): 0.0	A13SE (SE)	73	2	531168 182244
90	**Motion Map** Average Velocity Gradient (mmyear): -0.3	A13SE (SE)	73	2	531165 182240
91	**Motion Map** Average Velocity Gradient (mmyear): -0.6	A13SE (SE)	68	2	531129 182203
91	**Motion Map** Average Velocity Gradient (mmyear): -1.0	A13SE (SE)	70	2	531129 182199
91	**Motion Map** Average Velocity Gradient (mmyear): -0.6	A13SE (SE)	71	2	531135 182206
91	**Motion Map** Average Velocity Gradient (mmyear): -0.4	A13SE (SE)	76	2	531138 182201
91	**Motion Map** Average Velocity Gradient (mmyear): -0.6	A13SE (SE)	76	2	531135 182198
92	**Motion Map** Average Velocity Gradient (mmyear): -0.5	A13SE (SE)	68	2	531096 182161
92	**Motion Map** Average Velocity Gradient (mmyear): -0.4	A13SE (SE)	69	2	531095 182157
92	**Motion Map** Average Velocity Gradient (mmyear): -0.4	A13SE (SE)	69	2	531092 182154
92	**Motion Map** Average Velocity Gradient (mmyear): -0.2	A13SE (SE)	71	2	531094 182153
93	**Motion Map** Average Velocity Gradient (mmyear): -0.4	A13NE (N)	69	2	531069 182543
93	**Motion Map** Average Velocity Gradient (mmyear): 0.0	A13NE (N)	75	2	531069 182551
93	**Motion Map** Average Velocity Gradient (mmyear): 0.0	A13NE (N)	76	2	531071 182550
94	**Motion Map** Average Velocity Gradient (mmyear): -0.2	A13SW (SW)	70	2	530930 182137

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
94	**Motion Map** Average Velocity Gradient (mmyear): -0.3	A13SW (SW)	71	2	530931 182133
95	**Motion Map** Average Velocity Gradient (mmyear): 0.3	A13NW (N)	71	2	531013 182574
96	**Motion Map** Average Velocity Gradient (mmyear): -0.2	A13NE (N)	71	2	531046 182563
96	**Motion Map** Average Velocity Gradient (mmyear): 1.0	A13NE (N)	75	2	531047 182567
97	**Motion Map** Average Velocity Gradient (mmyear): -0.3	A13NW (N)	72	2	530954 182557
97	**Motion Map** Average Velocity Gradient (mmyear): 0.3	A13NW (N)	72	2	530954 182557
97	**Motion Map** Average Velocity Gradient (mmyear): 0.2	A13NW (N)	77	2	530952 182562
98	**Motion Map** Average Velocity Gradient (mmyear): -0.1	A13SW (S)	72	2	531000 182079
99	**Motion Map** Average Velocity Gradient (mmyear): -0.5	A13SW (SW)	73	2	530922 182147
99	**Motion Map** Average Velocity Gradient (mmyear): -0.7	A13SW (SW)	74	2	530921 182147
99	**Motion Map** Average Velocity Gradient (mmyear): -0.4	A13SW (SW)	74	2	530921 182147
100	**Motion Map** Average Velocity Gradient (mmyear): -0.9	A13NW (N)	74	2	530988 182575
101	**Motion Map** Average Velocity Gradient (mmyear): -2.0	A13NW (NW)	75	2	530876 182475
101	**Motion Map** Average Velocity Gradient (mmyear): -1.9	A13NW (NW)	76	2	530875 182476
101	**Motion Map** Average Velocity Gradient (mmyear): -1.8	A13NW (NW)	78	2	530876 182480
101	**Motion Map** Average Velocity Gradient (mmyear): -1.6	A13NW (NW)	79	2	530875 182479
102	**Motion Map** Average Velocity Gradient (mmyear): 0.1	A13SE (S)	76	2	531091 182142
102	**Motion Map** Average Velocity Gradient (mmyear): -0.2	A13SE (S)	77	2	531091 182138
102	**Motion Map** Average Velocity Gradient (mmyear): -0.4	A13SE (S)	79	2	531090 182134
103	**Motion Map** Average Velocity Gradient (mmyear): 0.3	A13NW (W)	76	2	530812 182330

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
104	**Motion Map** Average Velocity Gradient (mmyear): 0.1	A13SE (S)	79	2	531068 182106
104	**Motion Map** Average Velocity Gradient (mmyear): 0.2	A13SE (S)	80	2	531066 182102
104	**Motion Map** Average Velocity Gradient (mmyear): 0.2	A13SE (S)	81	2	531071 182105
104	**Motion Map** Average Velocity Gradient (mmyear): 0.0	A13SE (S)	82	2	531069 182102
105	**Motion Map** Average Velocity Gradient (mmyear): -0.7	A13NW (NW)	81	2	530922 182535
105	**Motion Map** Average Velocity Gradient (mmyear): -0.5	A13NW (NW)	82	2	530923 182539
105	**Motion Map** Average Velocity Gradient (mmyear): -0.7	A13NW (NW)	84	2	530918 182536
105	**Motion Map** Average Velocity Gradient (mmyear): -0.3	A13NW (NW)	84	2	530924 182543
105	**Motion Map** Average Velocity Gradient (mmyear): -0.5	A13NW (NW)	85	2	530919 182540
105	**Motion Map** Average Velocity Gradient (mmyear): -0.4	A13NW (NW)	87	2	530921 182543
106	**Motion Map** Average Velocity Gradient (mmyear): -0.1	A13NW (N)	84	2	530951 182570
106	**Motion Map** Average Velocity Gradient (mmyear): -0.6	A13NW (N)	85	2	530950 182570
106	**Motion Map** Average Velocity Gradient (mmyear): 0.1	A13NW (N)	87	2	530951 182574
106	**Motion Map** Average Velocity Gradient (mmyear): 0.0	A13NW (N)	88	2	530950 182574
106	**Motion Map** Average Velocity Gradient (mmyear): 0.4	A13NW (N)	90	2	530952 182578
106	**Motion Map** Average Velocity Gradient (mmyear): 0.3	A13NW (N)	92	2	530949 182578
107	**Motion Map** Average Velocity Gradient (mmyear): 1.2	A13SE (E)	87	2	531213 182272
108	**Motion Map** Average Velocity Gradient (mmyear): 0.2	A13NE (NE)	88	2	531107 182535
108	**Motion Map** Average Velocity Gradient (mmyear): 0.2	A13NE (NE)	91	2	531106 182539
108	**Motion Map** Average Velocity Gradient (mmyear): 0.2	A13NE (NE)	92	2	531109 182539

Motion Map Data (1:2,500)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
109	**Motion Map** Average Velocity Gradient (mmyear): 0.2	A13SW (S)	89	2	530964 182070
109	**Motion Map** Average Velocity Gradient (mmyear): 0.3	A13SW (S)	93	2	530964 182066
110	**Motion Map** Average Velocity Gradient (mmyear): -2.0	A13SE (E)	89	2	531212 182268
111	**Motion Map** Average Velocity Gradient (mmyear): 1.6	A13SE (E)	90	2	531214 182267
112	**Motion Map** Average Velocity Gradient (mmyear): -0.9	A13NW (W)	91	2	530800 182345
112	**Motion Map** Average Velocity Gradient (mmyear): -0.9	A13NW (W)	92	2	530800 182349
113	**Motion Map** Average Velocity Gradient (mmyear): -0.9	A13NE (NE)	93	2	531158 182497
114	**Motion Map** Average Velocity Gradient (mmyear): -2.2	A13SW (SW)	93	2	530845 182222
114	**Motion Map** Average Velocity Gradient (mmyear): -2.2	A13SW (SW)	97	2	530843 182219
115	**Motion Map** Average Velocity Gradient (mmyear): -0.1	A13SW (SW)	98	2	530893 182145
116	**Motion Map** Average Velocity Gradient (mmyear): 0.4	A13NW (W)	98	2	530790 182334
117	**Motion Map** Average Velocity Gradient (mmyear): 0.5	A13SW (SW)	98	2	530824 182243
118	**Motion Map** Average Velocity Gradient (mmyear): -0.4	A13SE (SE)	98	2	531131 182158
119	**Motion Map** Average Velocity Gradient (mmyear): -0.5	A13NE (NE)	99	2	531192 182474
120	**Motion Map** Average Velocity Gradient (mmyear): 0.4	A13SE (S)	100	2	531070 182077

Historical Map List

The following mapping has been analysed for Historical Land Use Information (1:2,500):

The following mapping has been analysed for Historical Land Use Information (1:10,000):

1:10,560	Mapsheet	Published Date
Kent	001_00	1882
Surrey	003_00	1882
Middlesex	017_00	1882
London	007_NW	1896
London	007_SW	1896
Middlesex	017_NW	1896
Middlesex	017_SW	1896
Surrey	003_NW	1898
London	005_00	1920
London	005_00	1938
Ordnance Survey Plan	TQ38SW	1949
Ordnance Survey Plan	TQ28SE	1951
1:10,000	**Mapsheet**	**Published Date**
Ordnance Survey Plan	TQ28SE	1991
Ordnance Survey Plan	TQ38SW	1995

Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	May 2016	Bi-Annually
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	As notified
Man Made Mining Cavities Peter Brett Associates	October 2015	Bi-Annually
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Natural Cavities Peter Brett Associates	October 2015	Bi-Annually
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Historical Land Use Information (1:2,500)	**Version**	**Update Cycle**
Subterranean Features Landmark Information Group Limited	February 2016	Bi-Annually
Ground Stability Data (1:50,000)	**Version**	**Update Cycle**
Brine Compensation Area Cheshire Brine Subsidence Compensation Board	August 2011	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Subsidence Insurance Claims SP Property Services	May 2016	Quarterly
Subsidence Investigations CET Structures Ltd	May 2016	Quarterly

Motion Map Data (1:2,500)	Version	Update Cycle
Motion Map		
Nigel Press Associates - Hampshire	February 2011	As notified
Nigel Press Associates - Cambridge	January 2011	As notified
Nigel Press Associates - Ipswich	January 2011	As notified
Nigel Press Associates - Norwich	January 2011	As notified
Nigel Press Associates - Peterborough	January 2011	As notified
Nigel Press Associates - Barnstaple	July 2010	As notified
Nigel Press Associates - Derbyshire	July 2010	As notified
Nigel Press Associates - Humberside	July 2010	As notified
Nigel Press Associates - Kent	July 2010	As notified
Nigel Press Associates - Lincolnshire	July 2010	As notified
Nigel Press Associates - Nottinghamshire	July 2010	As notified
Nigel Press Associates - Birmingham	May 2009	As notified
Nigel Press Associates - Bournemouth	May 2009	As notified
Nigel Press Associates - Brighton	May 2009	As notified
Nigel Press Associates - Bristol	May 2009	As notified
Nigel Press Associates - Cardiff	May 2009	As notified
Nigel Press Associates - Central London	May 2009	As notified
Nigel Press Associates - Cheltenahm	May 2009	As notified
Nigel Press Associates - Coventry	May 2009	As notified
Nigel Press Associates - Crawley	May 2009	As notified
Nigel Press Associates - Edinburgh	May 2009	As notified
Nigel Press Associates - Exeter	May 2009	As notified
Nigel Press Associates - Glasgow	May 2009	As notified
Nigel Press Associates - Isle of Wight	May 2009	As notified
Nigel Press Associates - Leeds	May 2009	As notified
Nigel Press Associates - Leicester	May 2009	As notified
Nigel Press Associates - Liverpool	May 2009	As notified
Nigel Press Associates - Manchester	May 2009	As notified
Nigel Press Associates - Milton Keynes	May 2009	As notified
Nigel Press Associates - Newcastle	May 2009	As notified
Nigel Press Associates - Northwich	May 2009	As notified
Nigel Press Associates - Nottingham	May 2009	As notified
Nigel Press Associates - Oxford	May 2009	As notified
Nigel Press Associates - Plymouth	May 2009	As notified
Nigel Press Associates - Portsmouth	May 2009	As notified
Nigel Press Associates - Preston	May 2009	As notified
Nigel Press Associates - Reading	May 2009	As notified
Nigel Press Associates - Sheffield	May 2009	As notified
Nigel Press Associates - Stoke	May 2009	As notified
Nigel Press Associates - Swindon	May 2009	As notified
Nigel Press Associates - Tonbridge	May 2009	As notified
Nigel Press Associates - North London	November 2008	As notified
Nigel Press Associates - Head Office	September 2008	As notified

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	Map data
British Geological Survey	British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
The Coal Authority	THE COAL AUTHORITY
Ove Arup	ARUP
Peter Brett Associates	pba peterbrett
Wardell Armstrong	wardell armstrong your earth our world
Johnson Poole & Bloomer	JPB

Useful Contacts

Contact	Name and Address	Contact Details
1	**Peter Brett Associates** Caversham Bridge House, Waterman Place, Reading, Berkshire, RG1 8DN	Telephone: 0118 950 0761 Fax: 0118 959 7498 Email: reading@pba.co.uk Website: www.pba.co.uk
2	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmark.co.uk Website: www.landmark.co.uk
3	**British Geological Survey - Enquiry Service** British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

Geology 1:50,000 Maps Legends

Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WGR	Worked Ground (Undivided)	Void	Holocene - Holocene
	MGR	Made Ground (Undivided)	Artificial Deposit	Holocene - Holocene

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Flandrian - Flandrian
	ALV	Alluvium	Clay, Silty, Peaty, Sandy [Unlithified Deposits Coding Scheme]	Flandrian - Flandrian
	KPGR	Kempton Park Gravel Formation	Sand and Gravel	Devensian - Devensian
	LASI	Langley Silt Member	Clay and Silt	Devensian - Devensian
	HAGR	Hackney Gravel Member	Sand and Gravel	Wolstonian - Wolstonian
	LHGR	Lynch Hill Gravel Member	Sand and Gravel	Wolstonian - Wolstonian
	FIGR	Finsbury Gravel Member	Sand and Gravel	Wolstonian - Wolstonian
	TPGR	Taplow Gravel Formation	Sand and Gravel	Wolstonian - Wolstonian
	BHT	Boyn Hill Gravel Member	Sand and Gravel	Wolstonian - Hoxnian

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	LC	London Clay Formation	Clay, Silt and Sand	Eocene - Eocene
	LMBE	Lambeth Group	Clay, Silt and Sand	Paleocene - Paleocene

Waterman

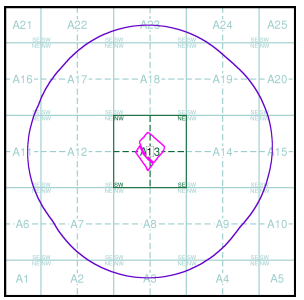
Geology 1:50,000 Maps

This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.
The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

Geology 1:50,000 Maps Coverage

Map ID:	**1**
Map Sheet No:	**256**
Map Name:	**North London**
Map Date:	**2006**
Bedrock Geology:	**Available**
Superficial Geology:	**Available**
Artificial Geology:	**Available**
Faults:	**Not Supplied**
Landslip:	**Available**
Rock Segments:	**Not Supplied**

Geology 1:50,000 Maps - Slice A

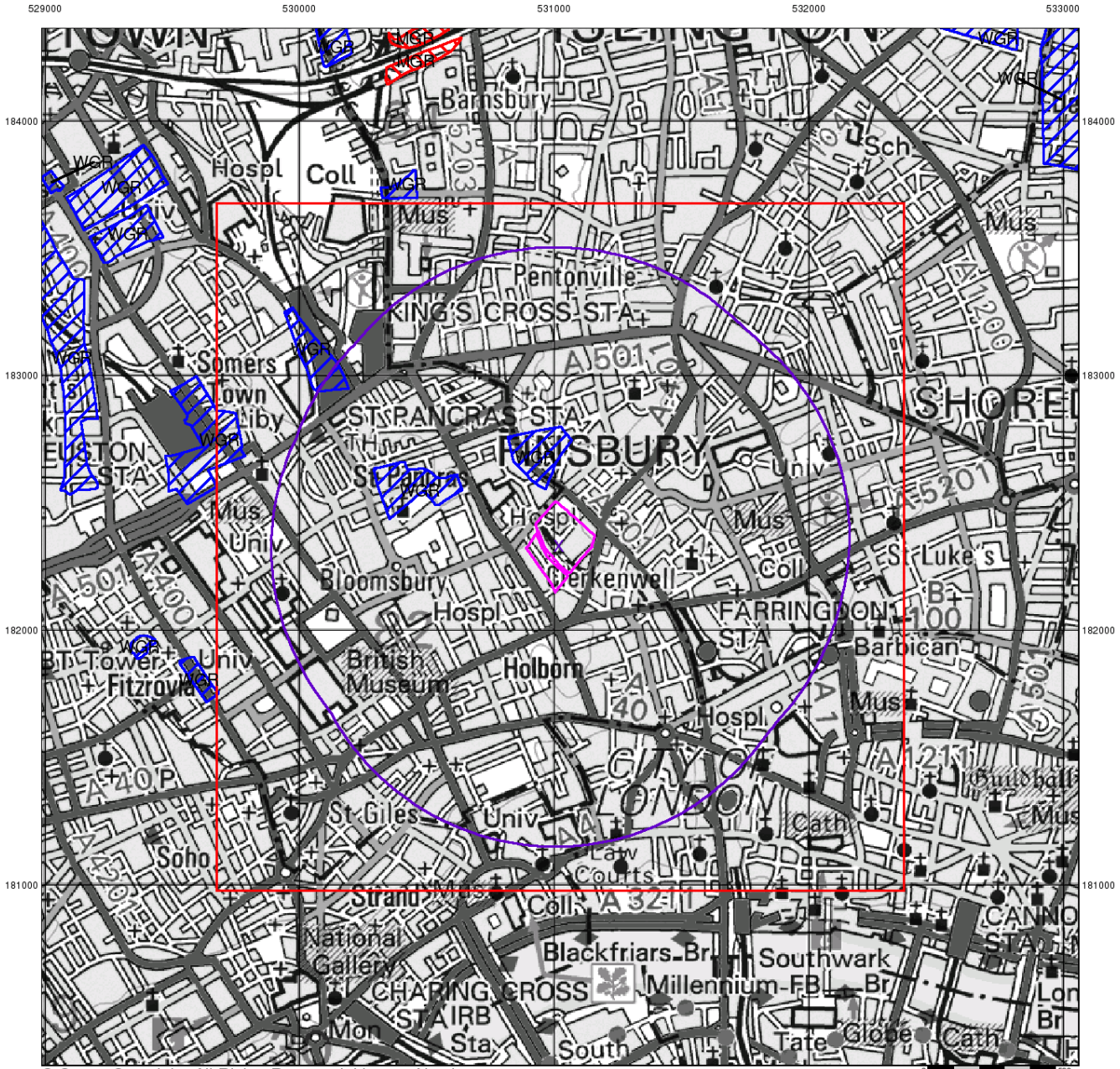


Order Details:

Order Number:	88064573_1_1
Customer Reference:	WIE13235
National Grid Reference:	531020, 182330
Slice:	A
Site Area (Ha):	4.82
Search Buffer (m):	1000

Site Details:

Mount Pleasent Sorting Office, Calthorpe Street, LONDON, EC1A 1BB



Artificial Ground and Landslip

Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.
- Worked ground - areas where the ground has been cut away such as quarries and road cuttings.
- Infilled ground - areas where the ground has been cut away then wholly or partially backfilled.
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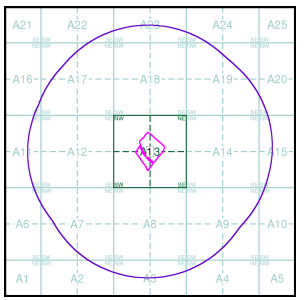
Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes foundered strata, where the ground has collapsed due to subsidence.

Artificial Ground and Landslip Map - Slice A



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Order Number:	88064573_1_1
Customer Reference:	WIE13235
National Grid Reference:	531020, 182330
Slice:	A
Site Area (Ha):	4.82
Search Buffer (m):	1000

Site Details:

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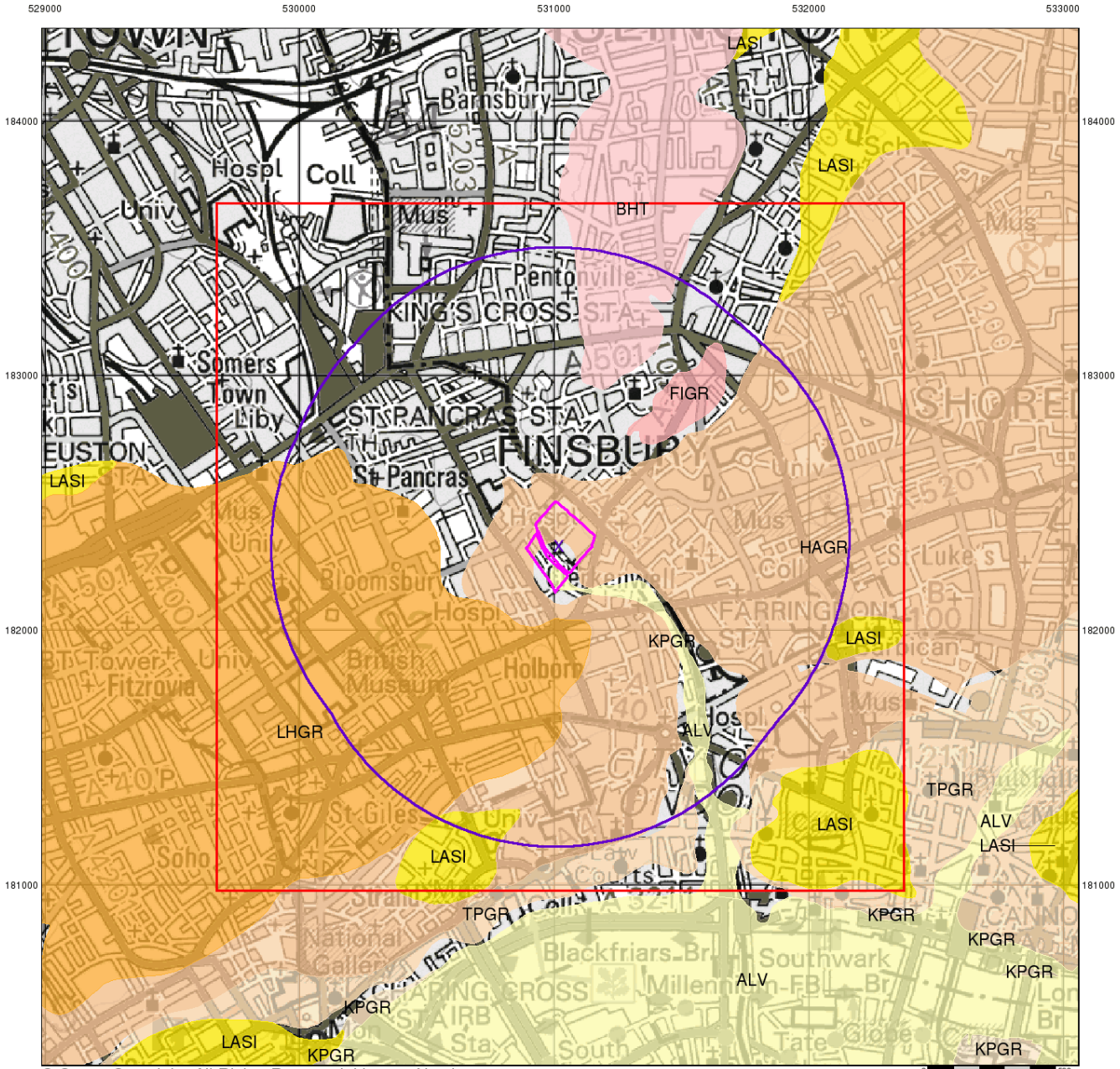


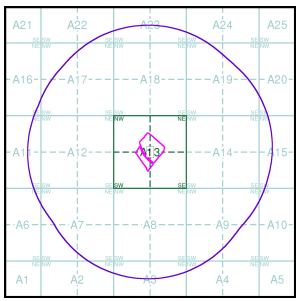
Superficial Geology

Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, the Quaternary, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

Superficial Geology Map - Slice A



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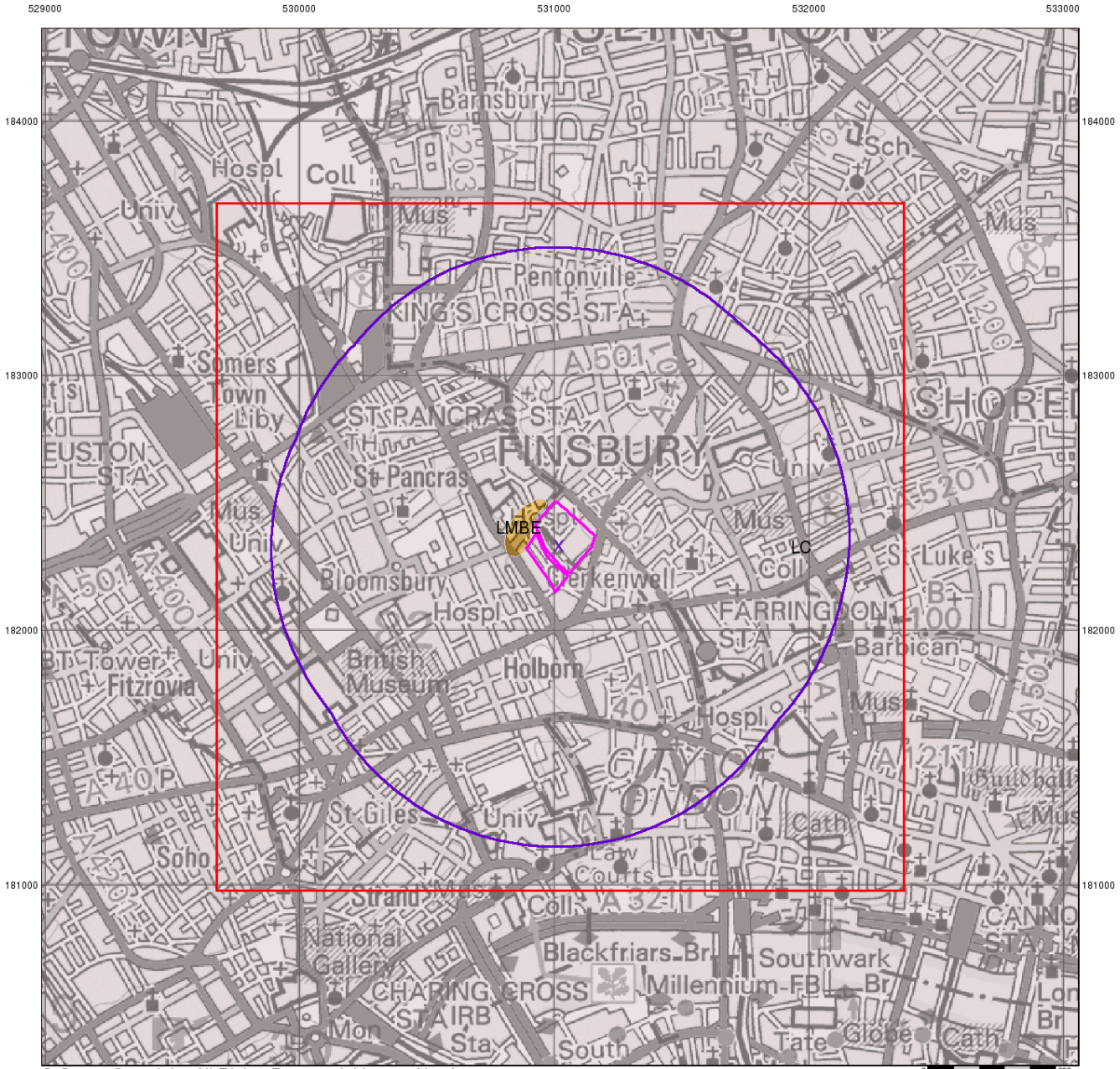


Bedrock and Faults

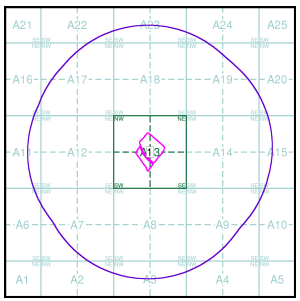
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

Bedrock and Faults Map - Slice A



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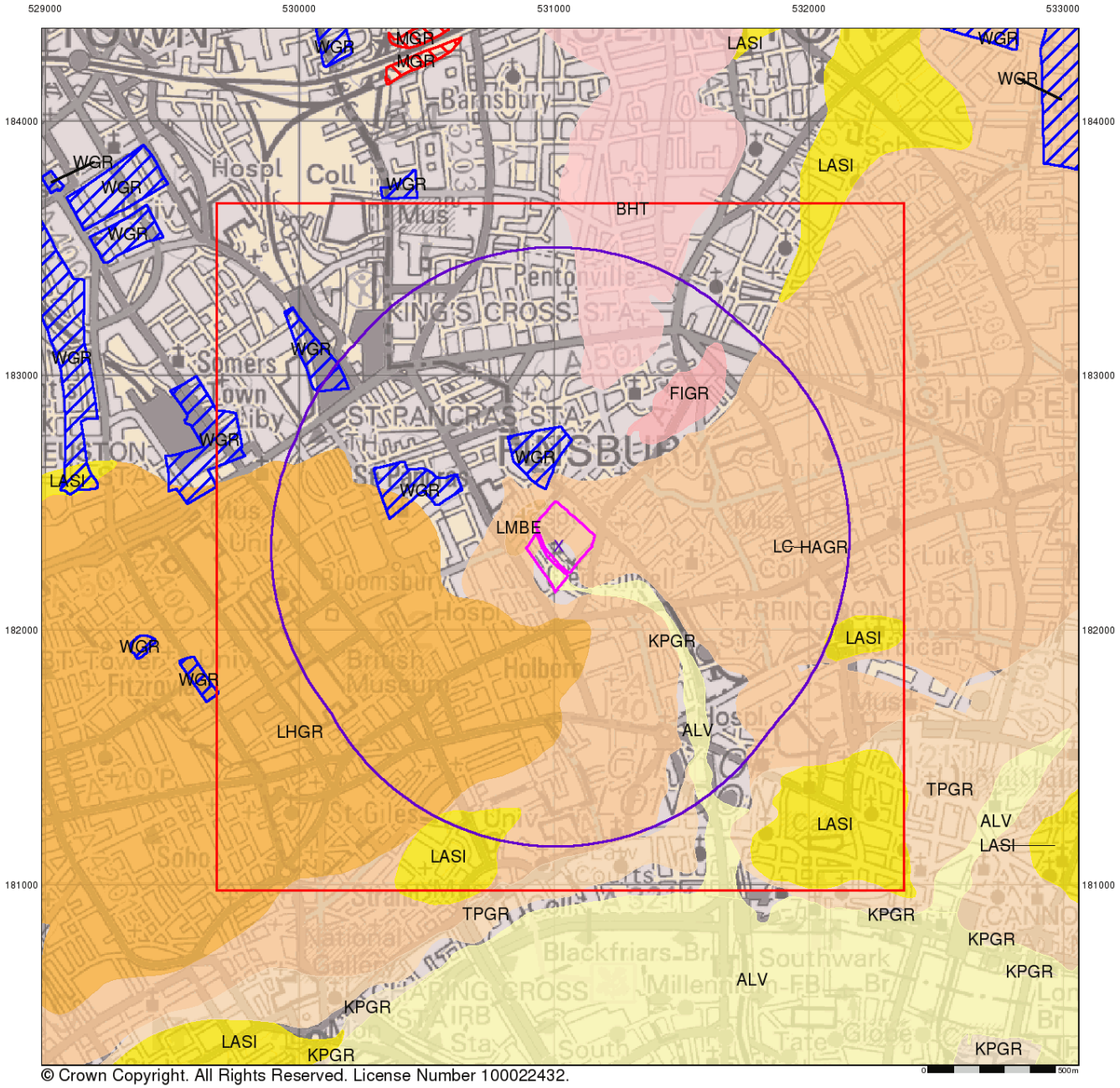

Combined Surface Geology

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

Additional Information

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

Contact

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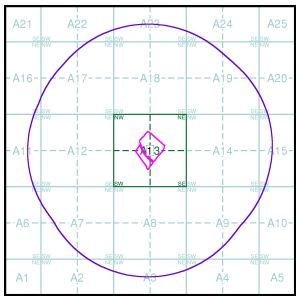
Fax: 0115 936 3276
email: enquiries@bgs.ac.uk
website: www.bgs.ac.uk

Combined Geology Map - Slice A



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Geology 1:10,000 Maps Legends

Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WGR	Worked Ground (Undivided)	Artificial Deposit	Holocene - Holocene
	WGR	Worked Ground (Undivided)	Unknown/Unclassified Entry	Holocene - Holocene
	MGR	Made Ground (Undivided)	Unknown/Unclassified Entry	Holocene - Holocene

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay and Silt	Flandrian - Pleistocene
	LASI	Langley Silt Member	Silt	Devensian - Ipswichian
	HAGR	Hackney Gravel Member	Sand and Gravel	Wolstonian - Chokierian
	LHGR	Lynch Hill Gravel Member	Sand and Gravel	Wolstonian - Chokierian
	FIGR	Finsbury Gravel Member	Sand and Gravel	Wolstonian - Chokierian
	TPGR	Taplow Gravel Formation	Sand and Gravel	Wolstonian - Chokierian
	BHT	Boyn Hill Gravel Member	Sand and Gravel	Wolstonian - Wolstonian

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	LC	London Clay Formation	Clay	Eocene - Eocene
	LMBE	Lambeth Group	Clay, Silt, Sand and Gravel	Paleocene - Paleocene

Waterman

Geology 1:10,000 Maps

This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:10,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around a site. This mapping may be more up to date than previously published paper maps.

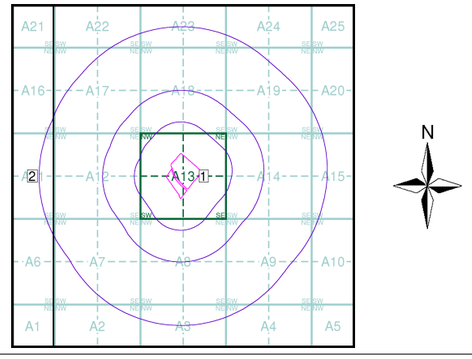
The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page.

Please Note: Not all of the layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

Geology 1:10,000 Maps Coverage

Map ID:	1	**Map ID:**	2
Map Name:	TQ38SW	**Map Name:**	TQ28SE
Map Date:	1999	**Map Date:**	1999
Bedrock Geology:	Available	**Bedrock Geology:**	Available
Superficial Geology:	Available	**Superficial Geology:**	Available
Artificial Geology:	Available	**Artificial Geology:**	Available
Faults:	Not Available	**Faults:**	Not Available
Landslip:	Not Available	**Landslip:**	Not Available
Rock Segments:	Not Available	**Rock Segments:**	Not Available

Geology 1:10,000 Maps - Slice A



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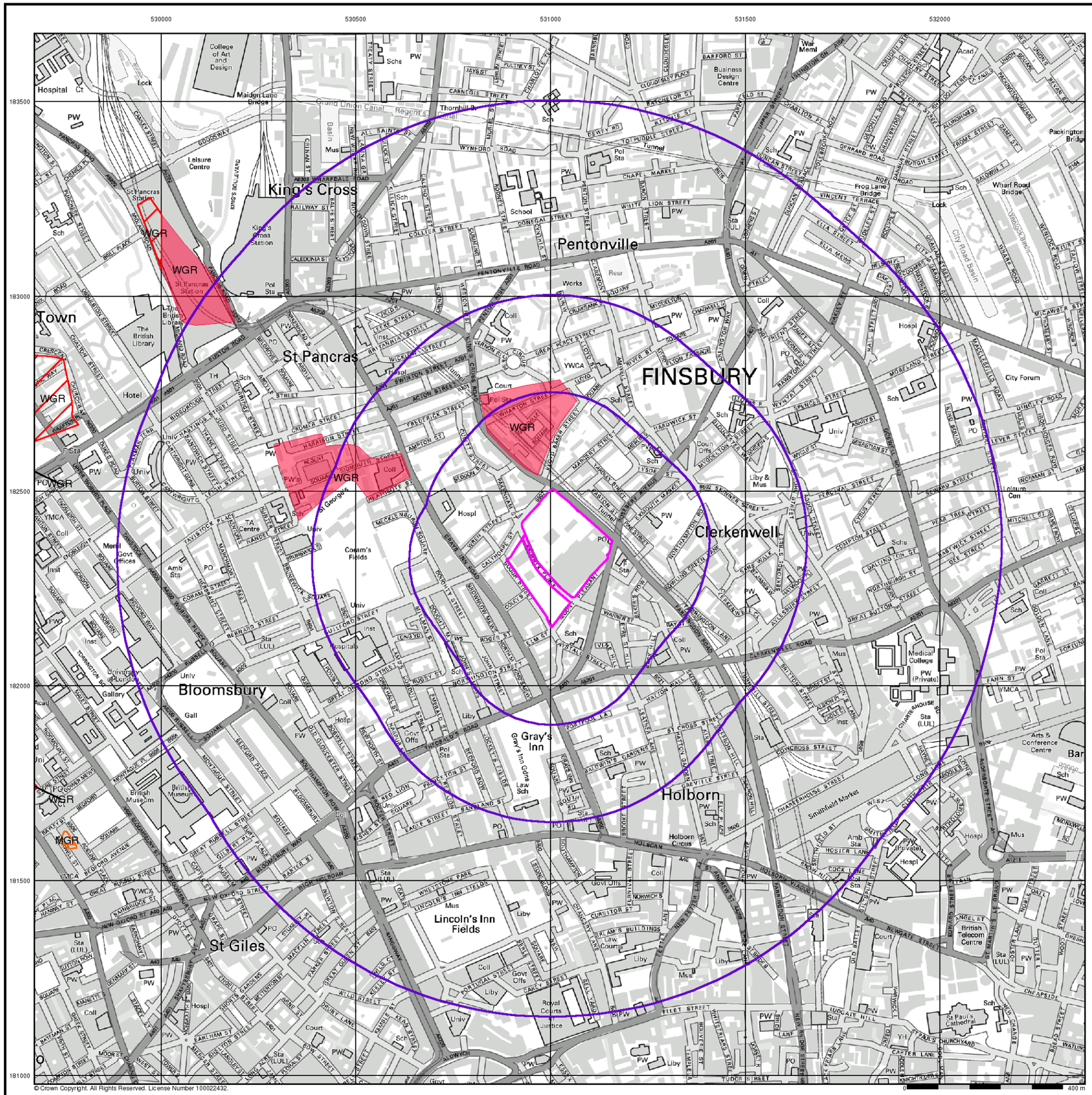

Artificial Ground and Landslip

Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.
- Worked ground - areas where the ground has been cut away such as quarries and road cuttings.
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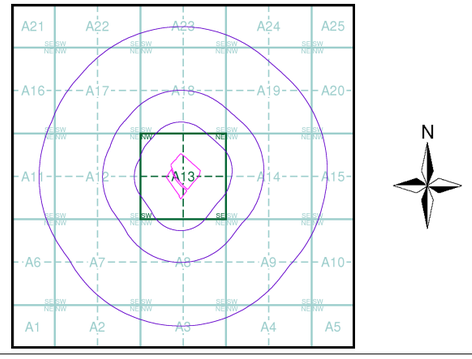

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