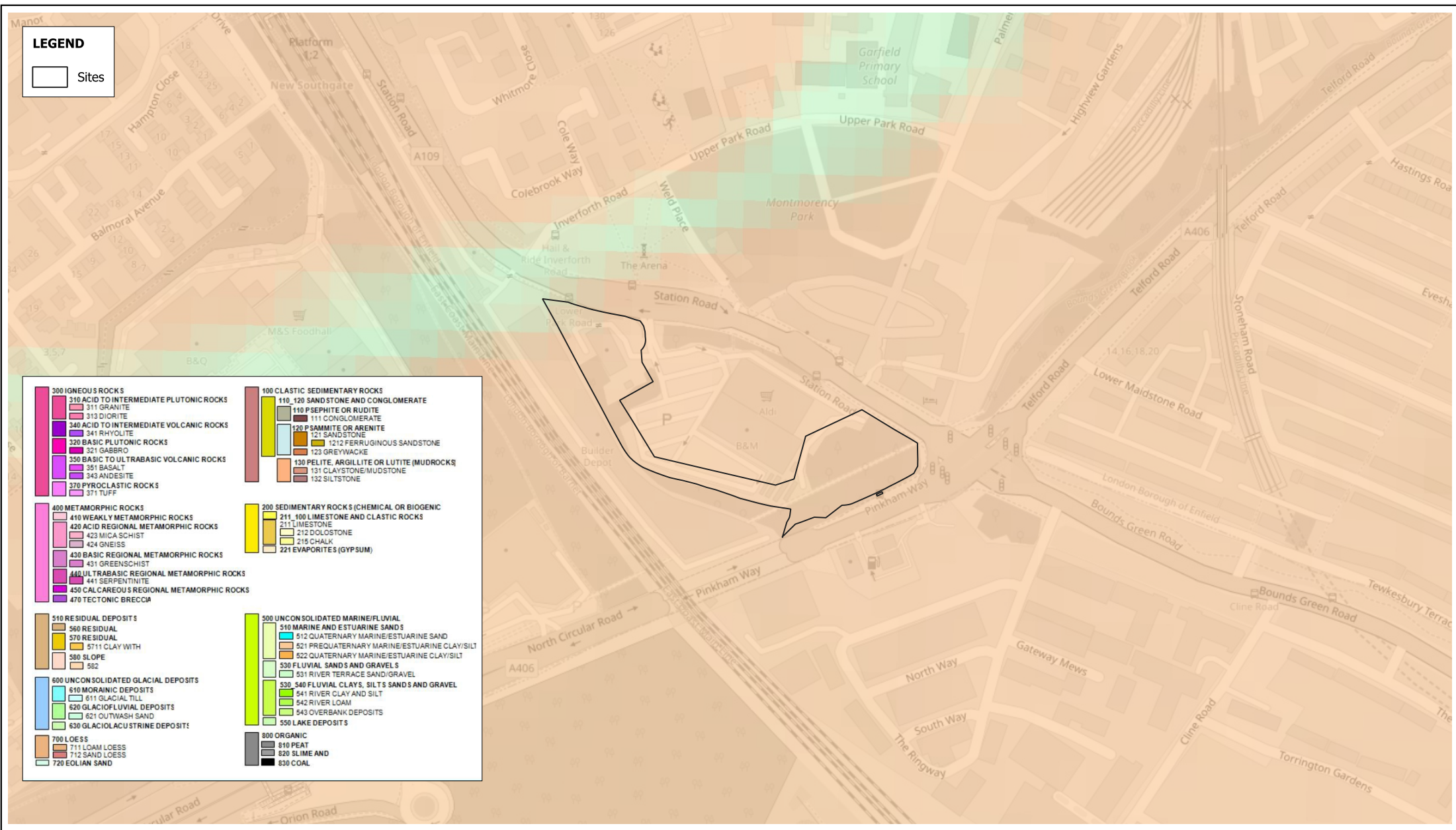


Site Location	Projection : British National Grid Produced by BMT Production date : 24/10/2024	Dataset : Provided by London Borough of Enfield on 06/2023 Background : OSM 24/10/2024	Figure: SA7.1 - (01)
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Address	Gas Holder, Pinkham Way, London, N11 1QJ	Flood Zones 2016 (Ha)	FZ 2: 0.01 (1%), FZ 3: 0 (0%)
Postcode	N11 1QJ	Flood Zones 2023 (Ha)	FZ 2: 0.01 (1%), FZ 3: 0 (0%), FZ 3b: 0 (0%)
Ward	New Southgate	Fluvial Flooding (1 in 100 year + 17% CC) (Ha)	0.21 (19%)
Proposed development	Housing and Mixed Use	Surface Water Flooding (1 in 100 year) (Ha)	0 (0%)
Area (Ha)	1.13	Pluvial Flooding (1 in 100 year + 17% CC) (Ha)	0.27 (24%)
Watercourses	Within 200m of watercourse	Risk of Flooding from Reservoirs (Wet Day) (Ha)	High Risk: None, Not High Risk: None
Areas Benefitting from Flood Defences (Ha)	0 (0%)	Risk of Flooding from Reservoirs (Fluvial) (Ha)	None
Groundwater Susceptibility (Ha)	<25%: 1.13 (100%)	Risk of Flooding from Reservoirs (Dry Day) (Ha)	None
Minor and Major Resource Coverage (Ha)	Major: 0 (0%), Minor: 0.64 (57%)	Historic Flooding (Ha)	0 (0%)
Resource Classifications	Minor H	Overtopping Locations	No overtopping has occurred within site
Flood Risk Area (Ha)	1.13 (100%)	Flood Defences	No defences within site
Risk of Flooding from Rivers and Sea (Ha)	High: None, Medium: None, Low: None, Very Low: None	Flood Alert and Warning (Ha)	Alert: 0.03 (3%), Warning: 0 (0%)

Comments: This site is proposed for residential and mixed-use development. Sections of the site that are within Flood Zone 2 and Flood Zone 3 are covered by exclusion zones and will only be used for water compatible development. The site has planning approval under the reference 20/04193/FUL.



LEGEND

□ Sites

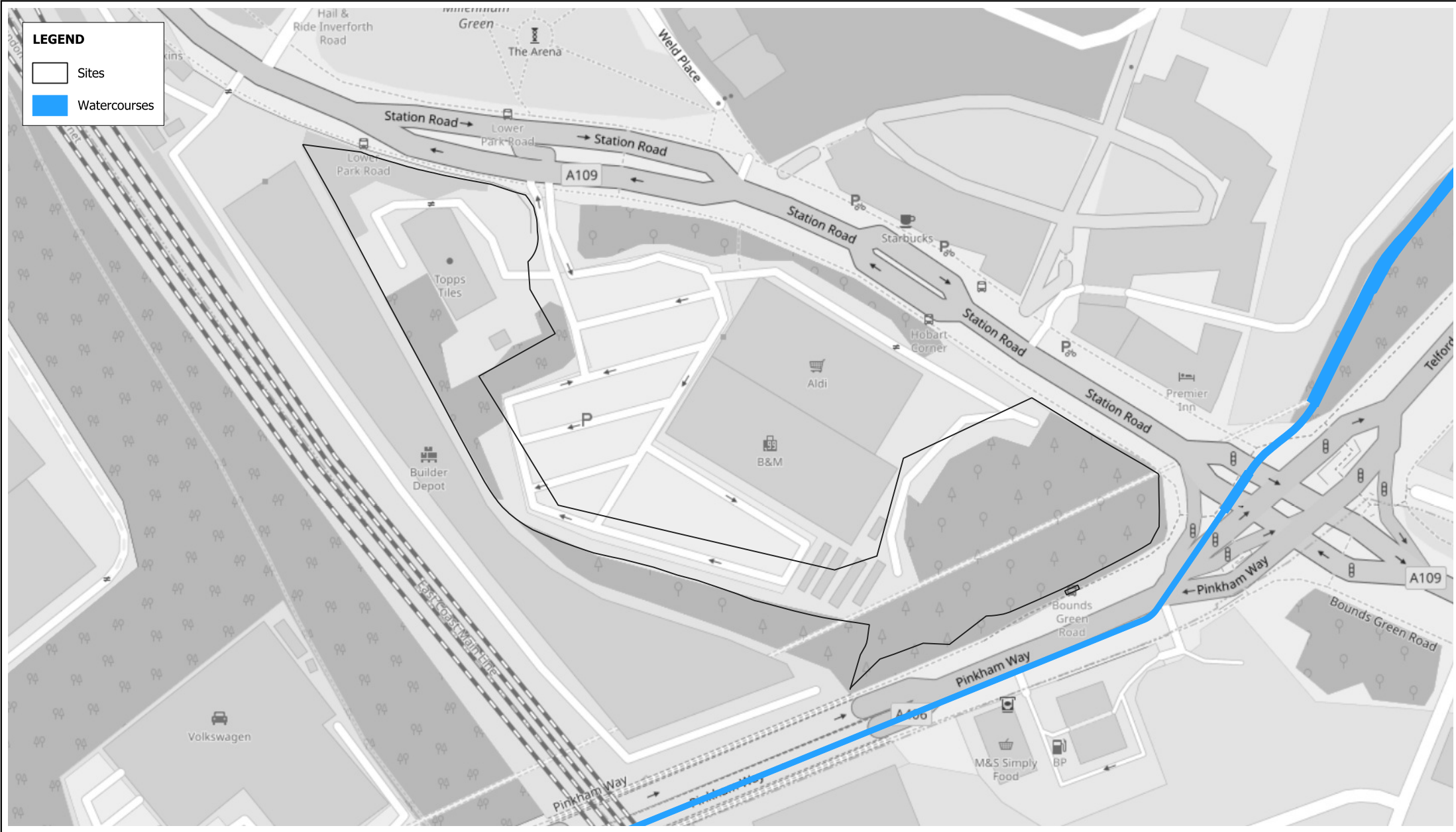
300 IGNEOUS ROCKS	400 METAMORPHIC ROCKS	500 UNCONSOLIDATED MARINE/FLUVIAL	800 ORGANIC
310 ACID TO INTERMEDIATE PLUTONIC ROCKS	410 WEAKLY METAMORPHIC ROCKS	510 MARINE AND ESTUARINE SANDS	810 PEAT
311 GRANITE	420 ACID REGIONAL METAMORPHIC ROCKS	512 QUATERNARY MARINE/ESTUARINE SAND	820 SLIME AND
313 DIORITE	423 MICHA SCHIST	521 PREQUATERNARY MARINE/ESTUARINE CLAY/SILT	830 COAL
340 ACID TO INTERMEDIATE VOLCANIC ROCKS	430 BASIC REGIONAL METAMORPHIC ROCKS	522 QUATERNARY MARINE/ESTUARINE CLAY/SILT	
341 RHYOLITE	431 GREENSCHIST	530 FLUVIAL SANDS AND GRAVELS	
320 BASIC PLUTONIC ROCKS	440 ULTRABASIC REGIONAL METAMORPHIC ROCKS	531 RIVER TERRACE SAND/GRAVEL	
321 GABBRO	441 SERPENTINITE	530 540 FLUVIAL CLAYS, SILTS SANDS AND GRAVEL	
350 BASIC TO ULTRABASIC VOLCANIC ROCKS	450 CALCAREOUS REGIONAL METAMORPHIC ROCKS	541 RIVER CLAY AND SILT	
351 BASALT	470 TECTONIC BRECCIA	542 RIVER LOAM	
343 ANDESITE		543 OVERBANK DEPOSITS	
370 PYROCLASTIC ROCKS		550 LAKE DEPOSITS	
371 TUFF			
100 CLASTIC SEDIMENTARY ROCKS	200 SEDIMENTARY ROCKS (CHEMICAL OR BIOGENIC)		
110 120 SANDSTONE AND CONGLOMERATE	211 100 LIMESTONE AND CLASTIC ROCKS		
111 CONGLOMERATE	211 LIMESTONE		
120 P SASSMITE OR ARENITE	212 DOLOSTONE		
121 SANDSTONE	215 CHALK		
1212 FERRUGINOUS SANDSTONE	221 EVAPORITES (GYPSUM)		
123 GREYWACKE			
130 PELITE, ARGILLITE OR LUTITE (MUDROCKS)			
131 CLAYSTONE/MUDSTONE			
132 SILTSTONE			

<p>Soil Classification</p>	<p>Projection : British National Grid Produced by BMT Production date : 24/10/2024</p>	<p>Dataset : Downloaded by BMT from UK Soil in 2023 Background : OSM 24/10/2024</p>	<p>Figure: SA7.1 - (02)</p>
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0 40 80 m





Main Watercourses

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024





Dataset : Provided by
 London Borough of Enfield on 05/2016
 Background : OSM 24/10/2024

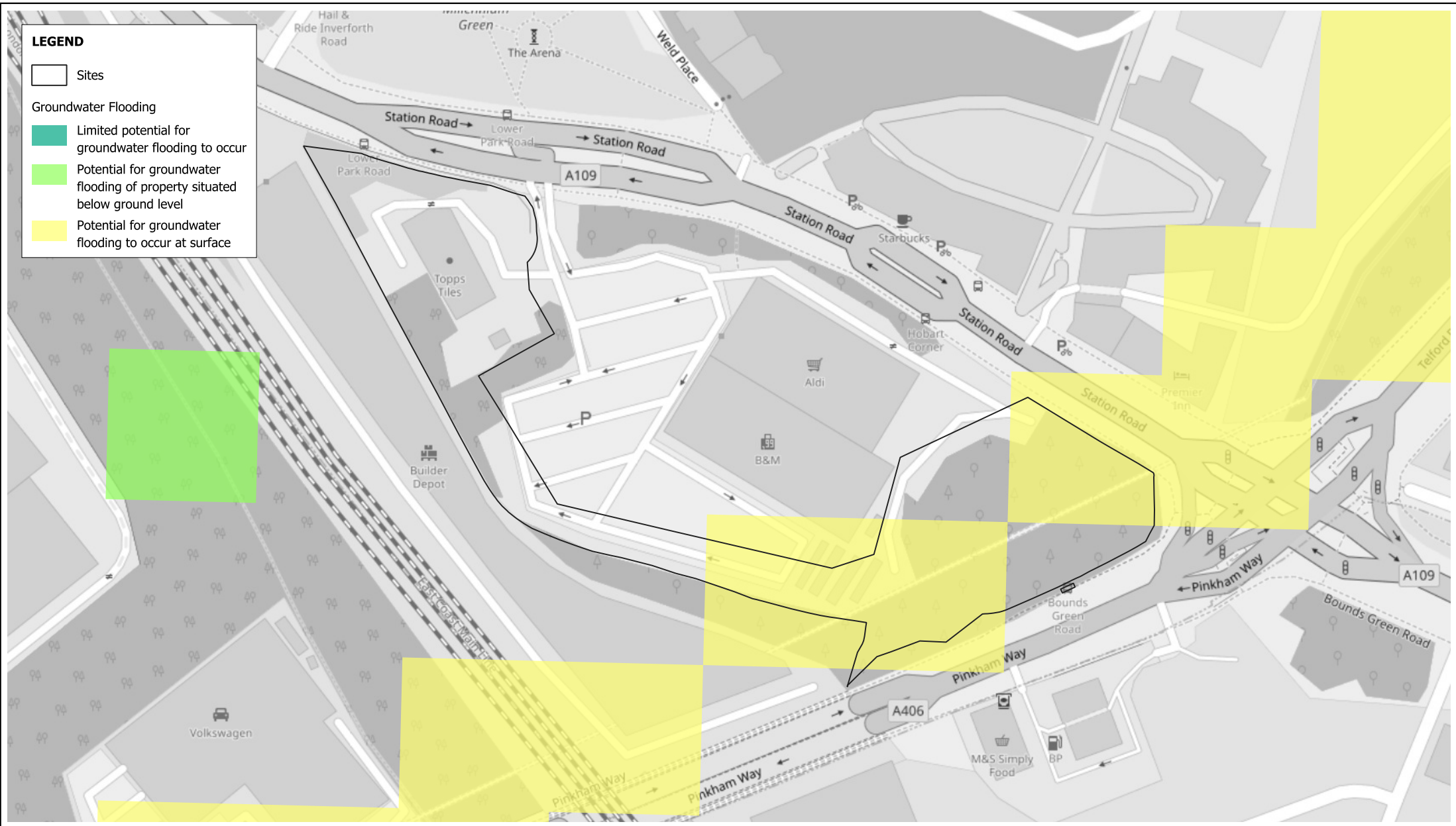
Figure: **SA7.1 - (03)**

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LEGEND

-  Sites
- Groundwater Flooding**
-  Limited potential for groundwater flooding to occur
-  Potential for groundwater flooding of property situated below ground level
-  Potential for groundwater flooding to occur at surface



Groundwater Flooding

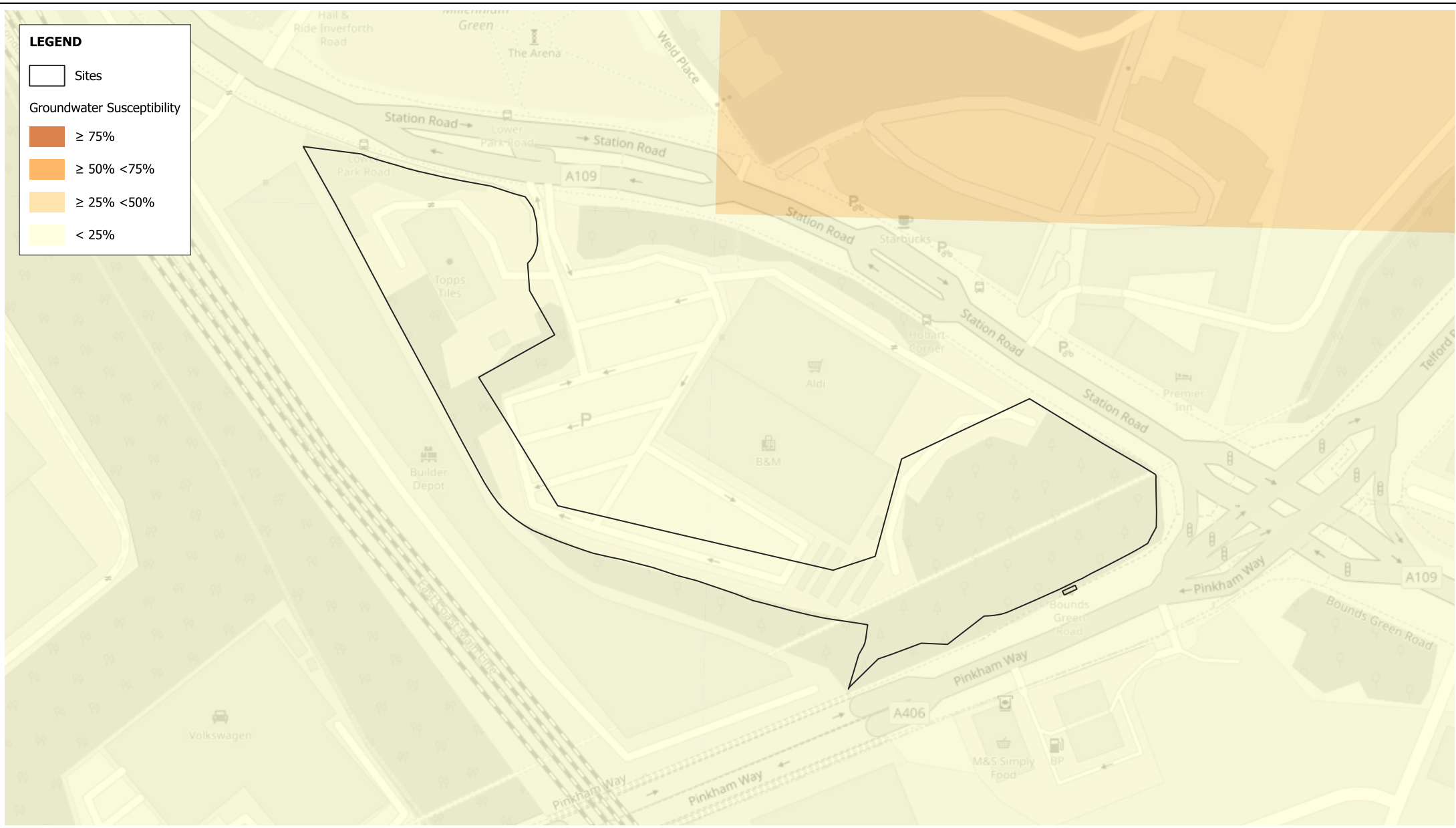
Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : BGS dataset received by BMT on 06/2023
 Background : OSM 24/10/2024

Figure:
SA7.1 - (04)

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Groundwater Susceptibility

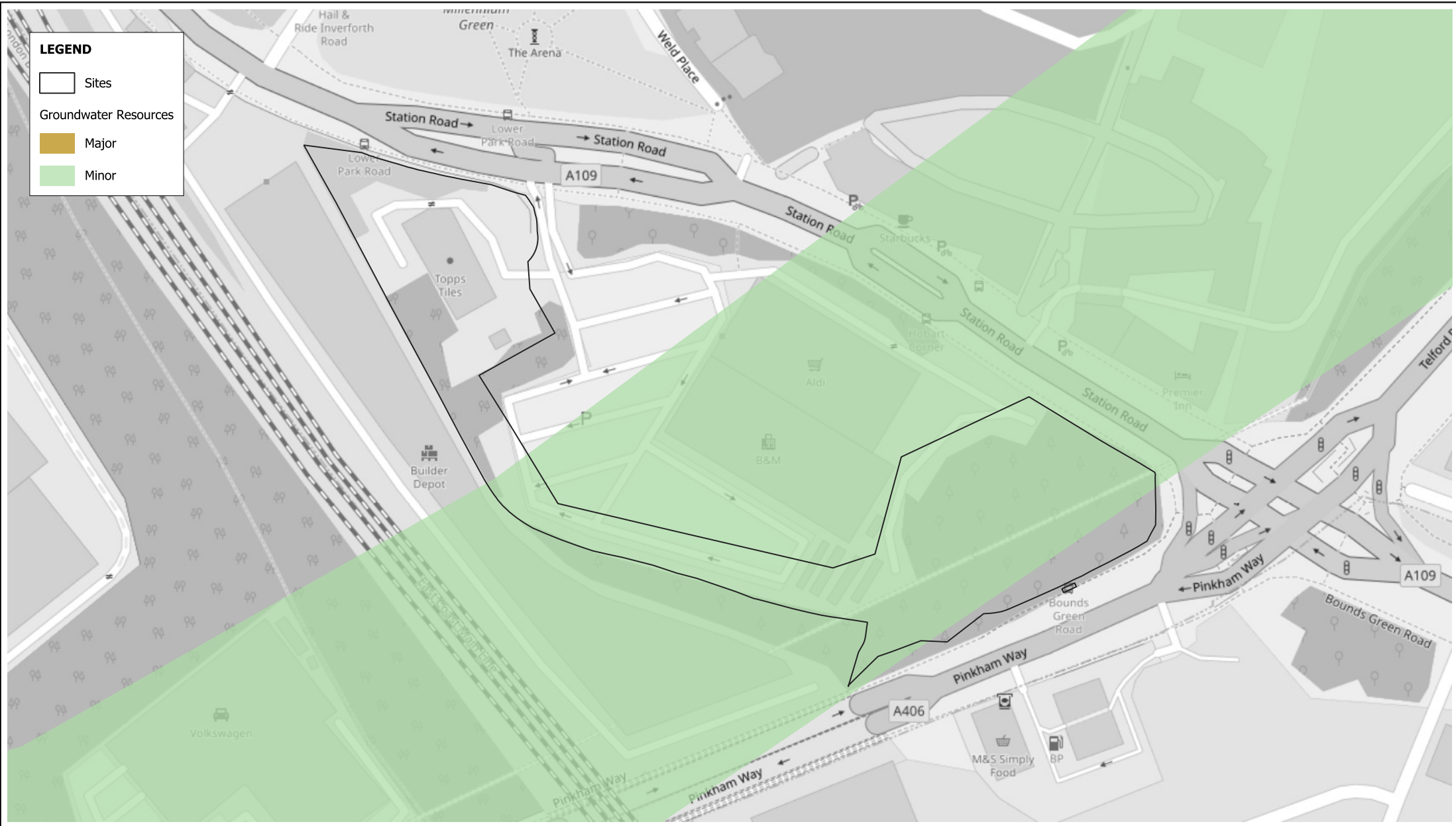
Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : EA dataset provided by
 London Borough of Enfield on 02/2016
 Background : OSM 24/10/2024

Figure:
SA7.1 - (05)

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Groundwater Resources

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

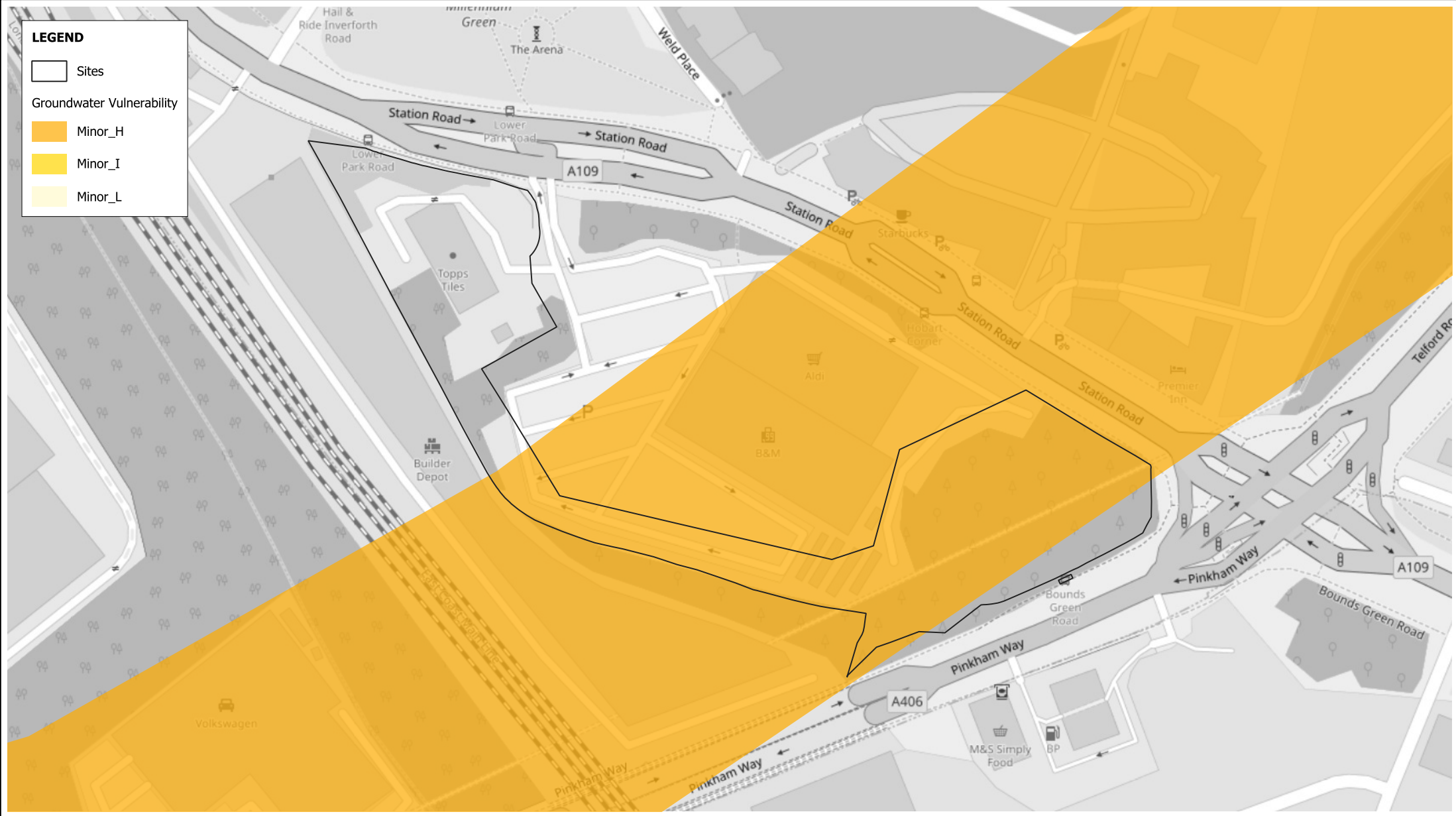
Dataset : EA dataset provided by London Borough of Enfield on 02/2016
 Background : OSM 24/10/2024

Figure: **SA7.1 - (06)**

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0 20 40 m





LEGEND

- Sites
- Groundwater Vulnerability**
 - Minor_H
 - Minor_I
 - Minor_L

Groundwater Vulnerability

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

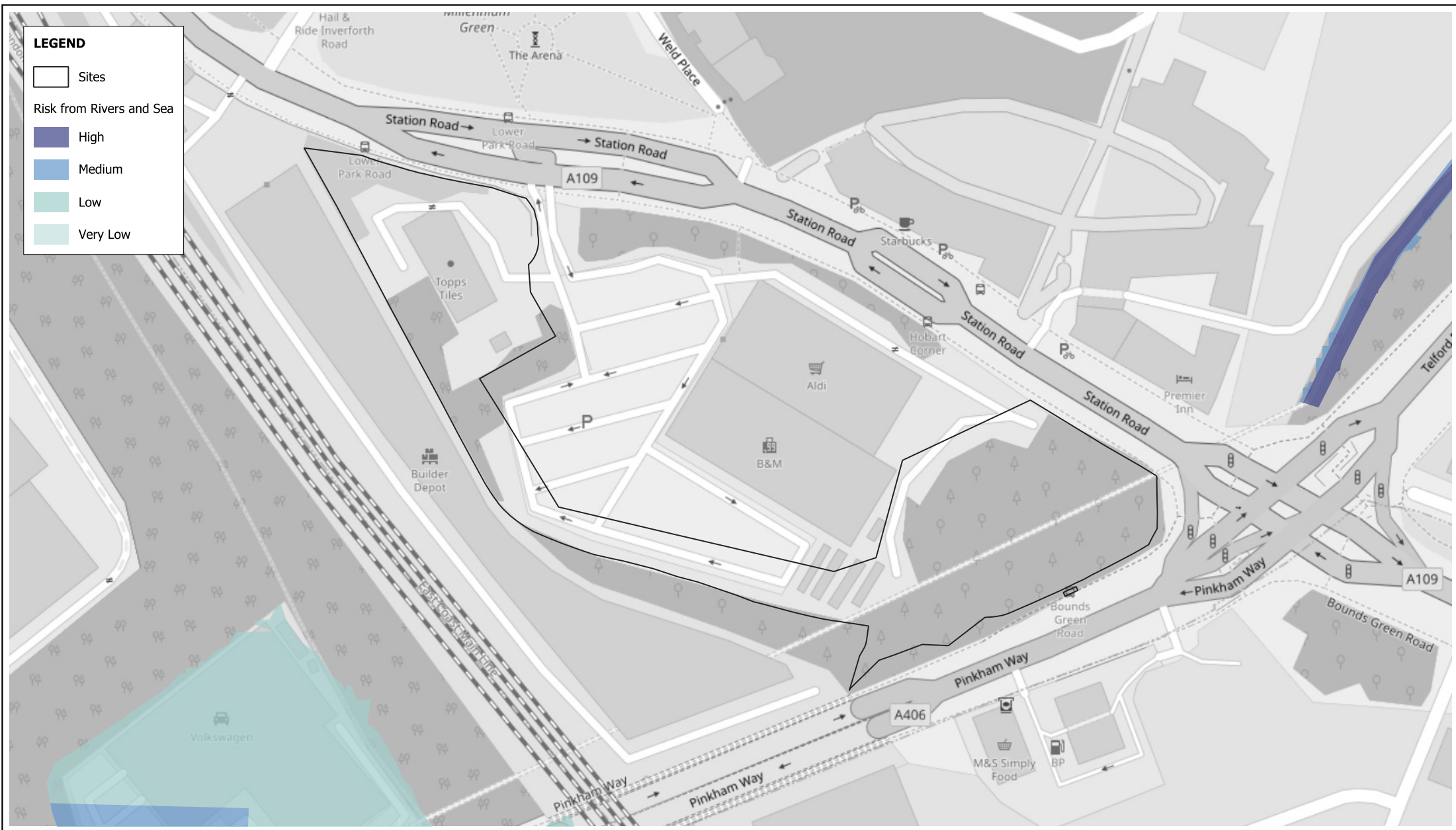
Dataset : EA dataset provided by London Borough of Enfield on 02/2016
 Background : OSM 24/10/2024

Figure:
SA7.1 - (07)

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0 20 40 m





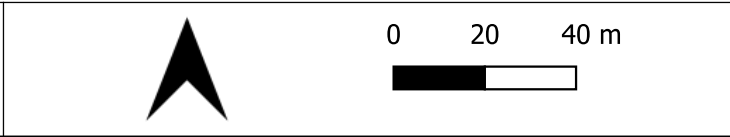
Risk from Rivers and Sea

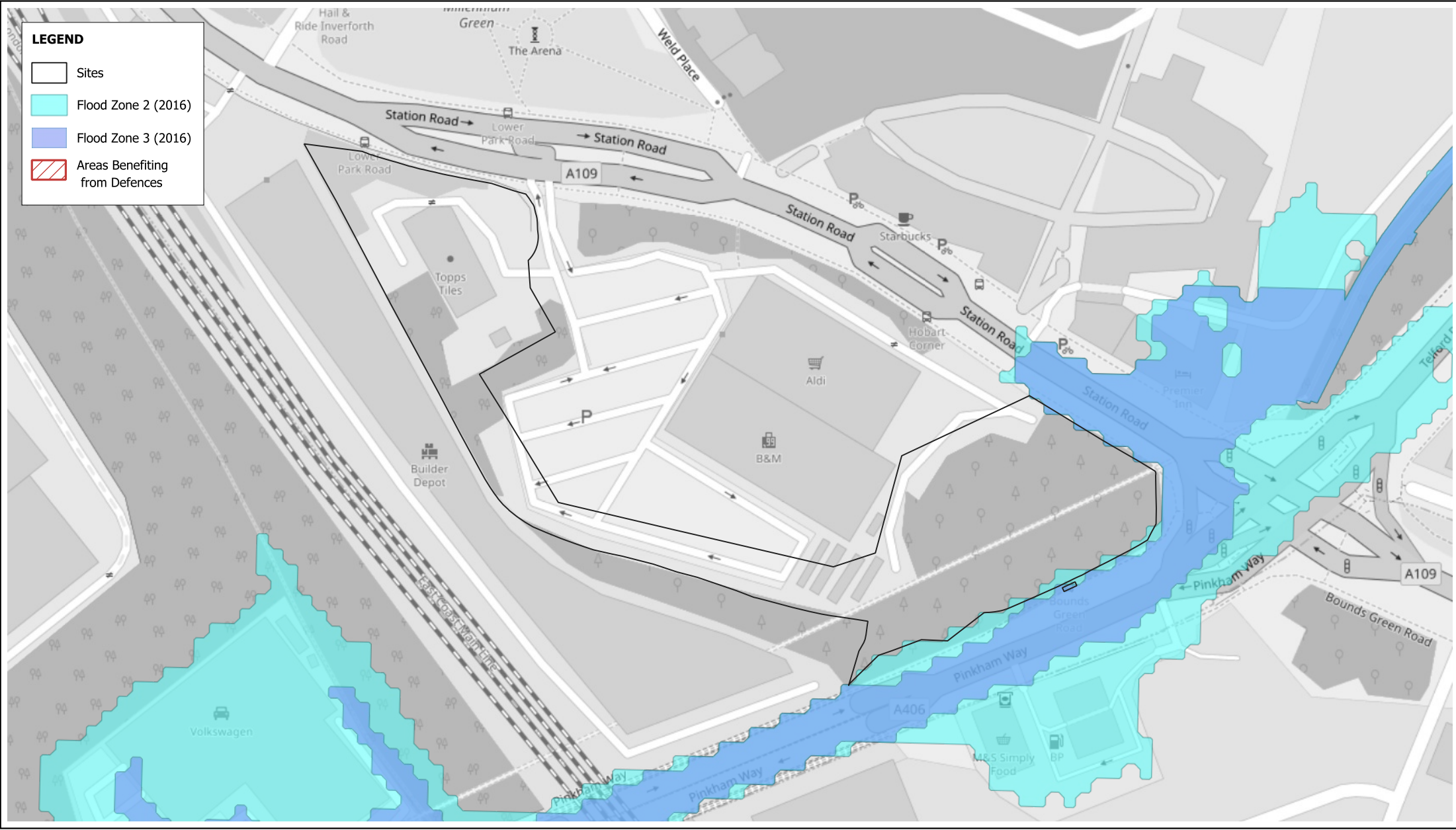
Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : EA dataset provided by London Borough of Enfield on 02/2016
 Background : OSM 24/10/2024

Figure:
SA7.1 - (08)

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LEGEND

- Sites
- Flood Zone 2 (2016)
- Flood Zone 3 (2016)
- Areas Benefiting from Defences

Flood Zones (provided 2016)

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

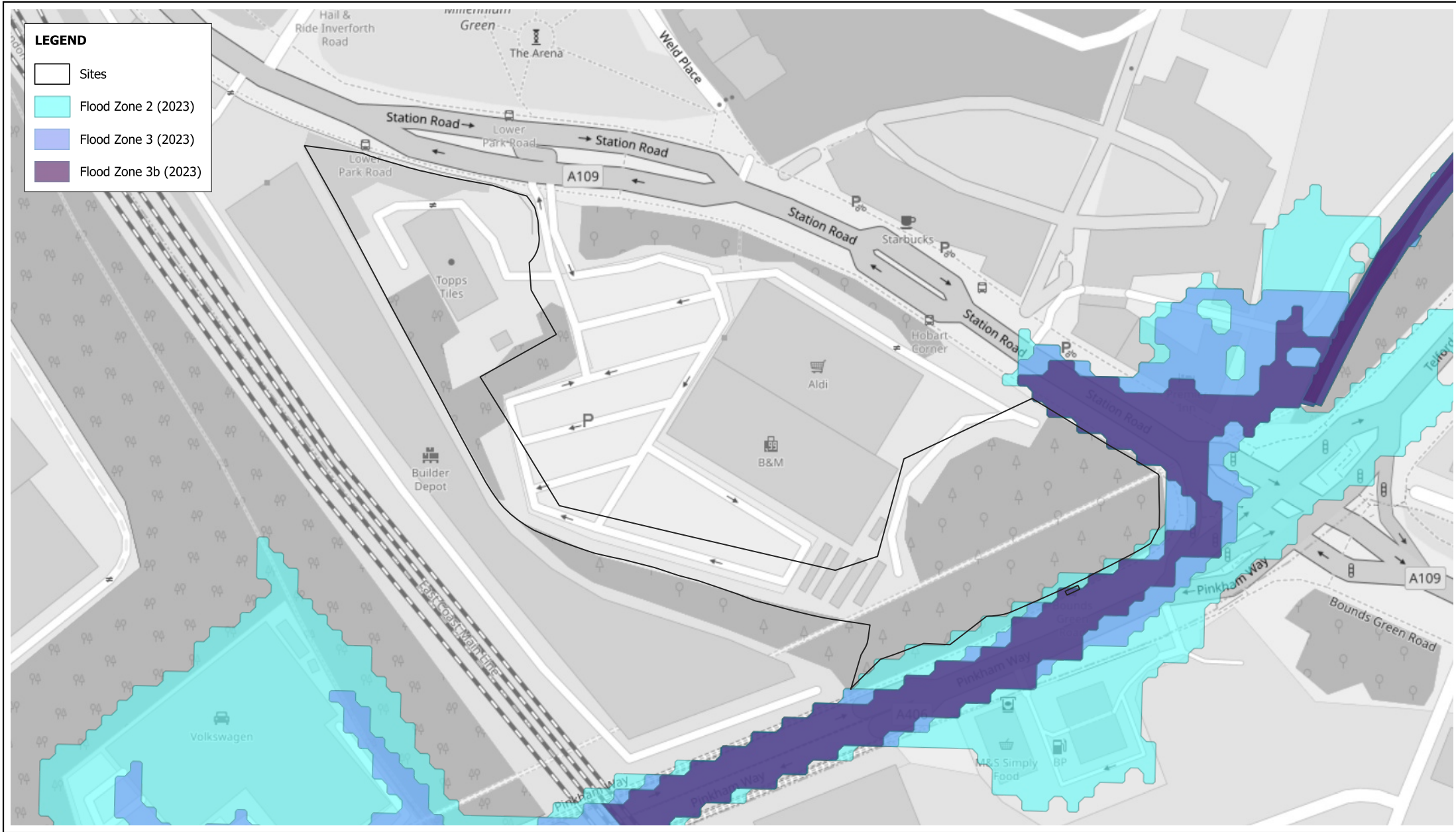
Dataset : EA datasets provided by London Borough of Enfield on 02/2016
 Background : OSM 24/10/2024

Figure:
SA7.1 - (09)

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0 20 40 m





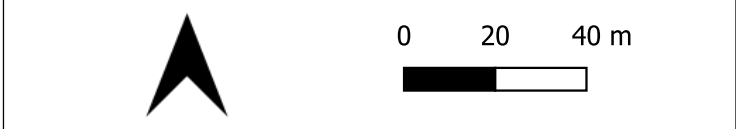
Flood Zones (provided 2023)

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024





Dataset : EA datasets provided by
 London Borough of Enfield on 05/2023
 Background : OSM 24/10/2024

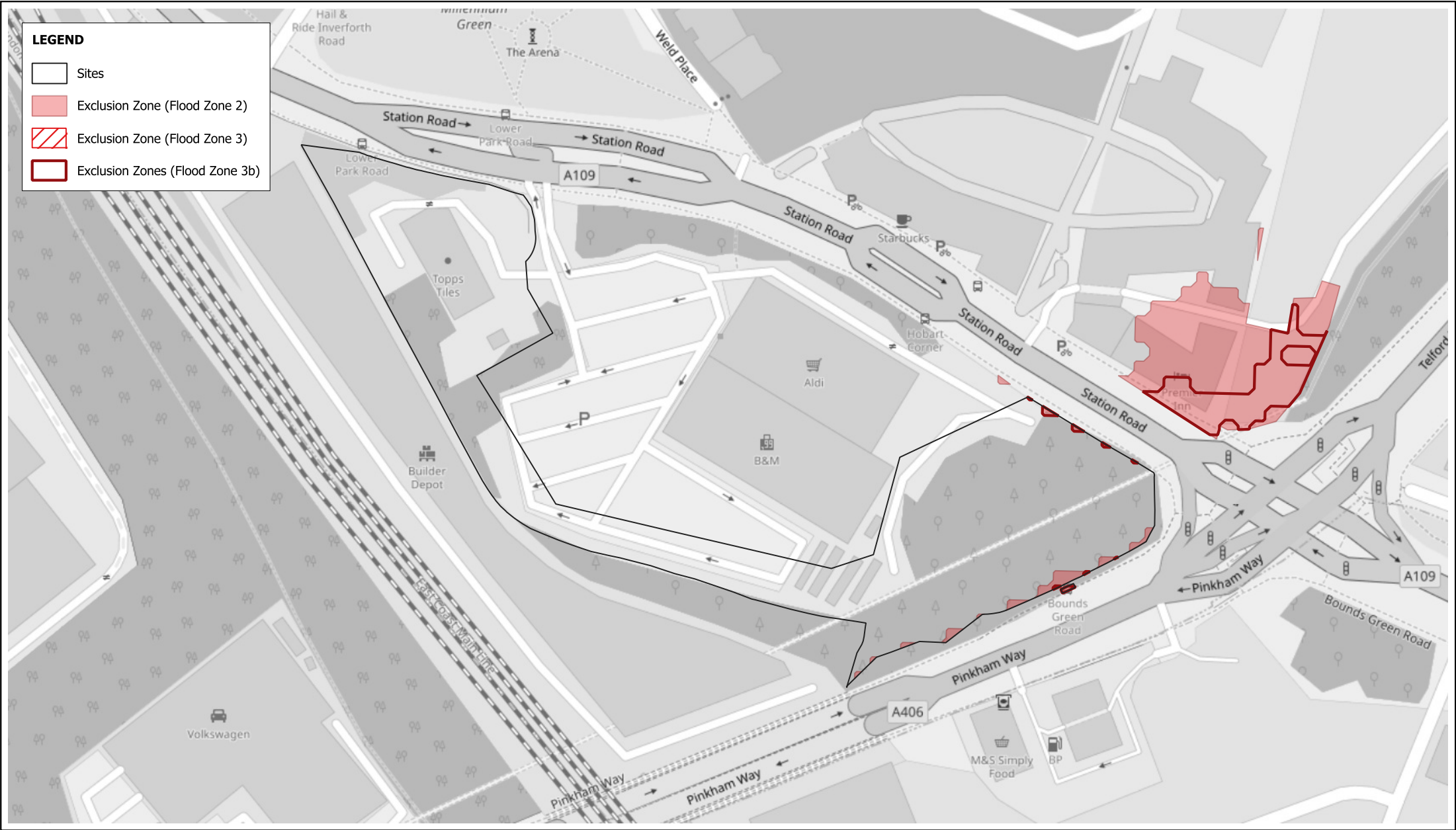
Figure:
SA7.1 - (10)

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LEGEND

-  Sites
-  Exclusion Zone (Flood Zone 2)
-  Exclusion Zone (Flood Zone 3)
-  Exclusion Zones (Flood Zone 3b)



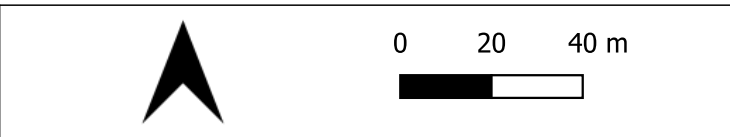
Exclusion Zones

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : EA datasets provided by London Borough of Enfield on 05/2023
 Background : OSM 24/10/2024

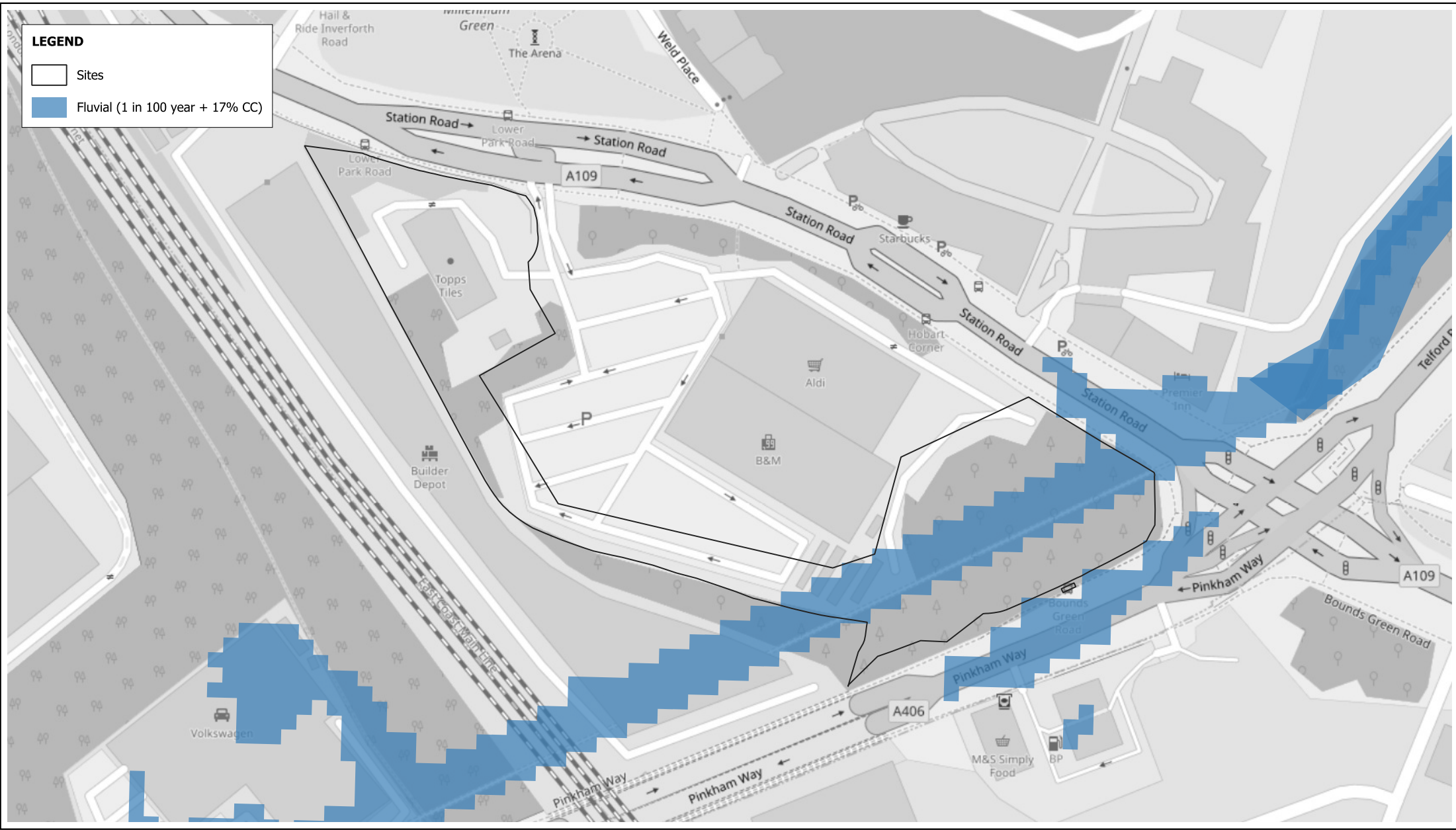
Figure:
SA7.1 - (11)

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LEGEND

- Sites
- Fluvial (1 in 100 year + 17% CC)



Fluvial Flooding (1 in 100 year + 17% CC)

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : Provided by
 London Borough of Enfield on 05/2023
 Background : OSM 24/10/2024

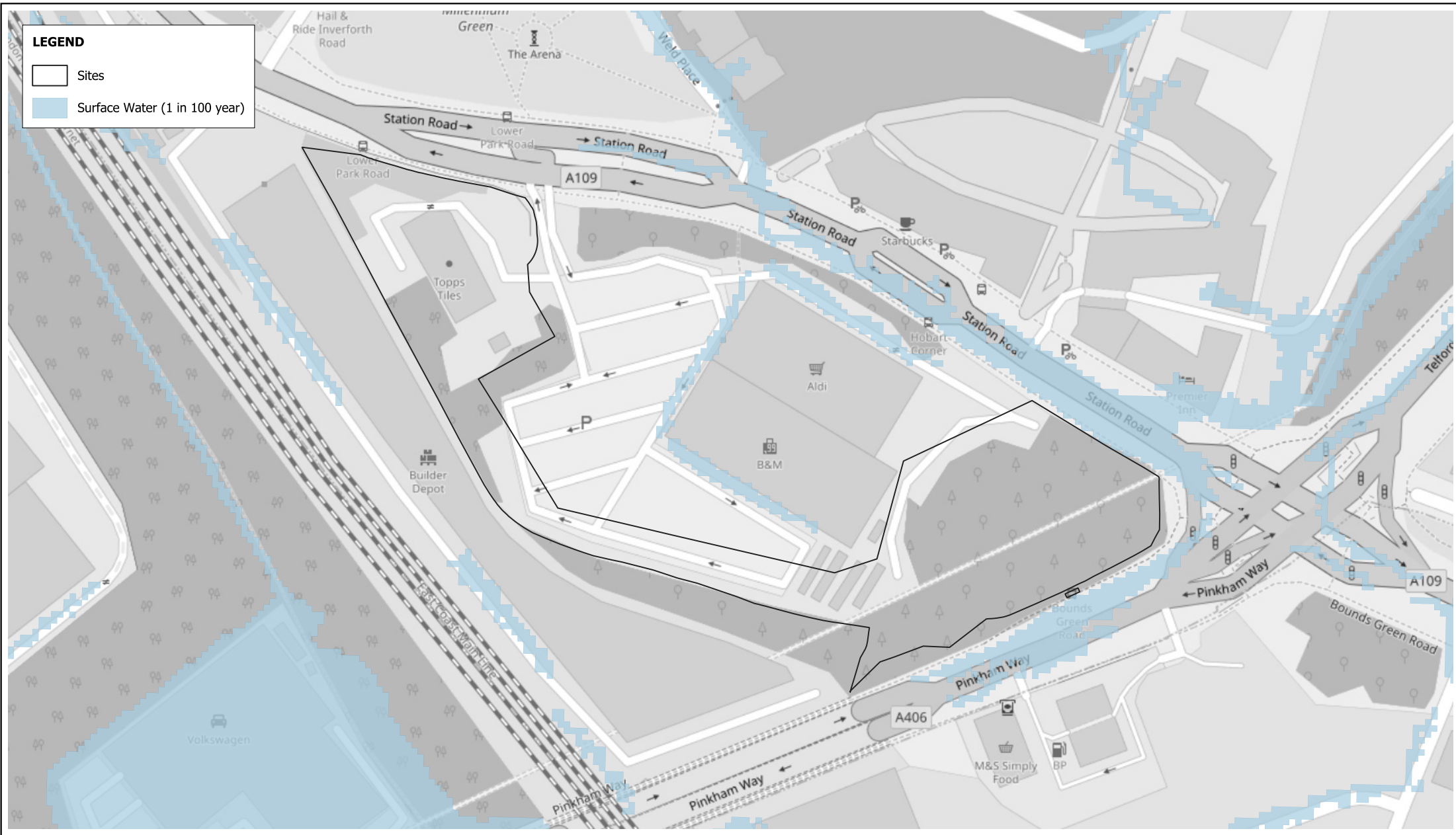
Figure:
SA7.1 - (12)

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LEGEND

-  Sites
-  Surface Water (1 in 100 year)



Surface Water Flooding (1 in 100 year)

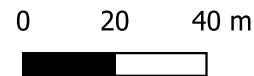
Projection : British National Grid
Produced by BMT
Production date : 24/10/2024

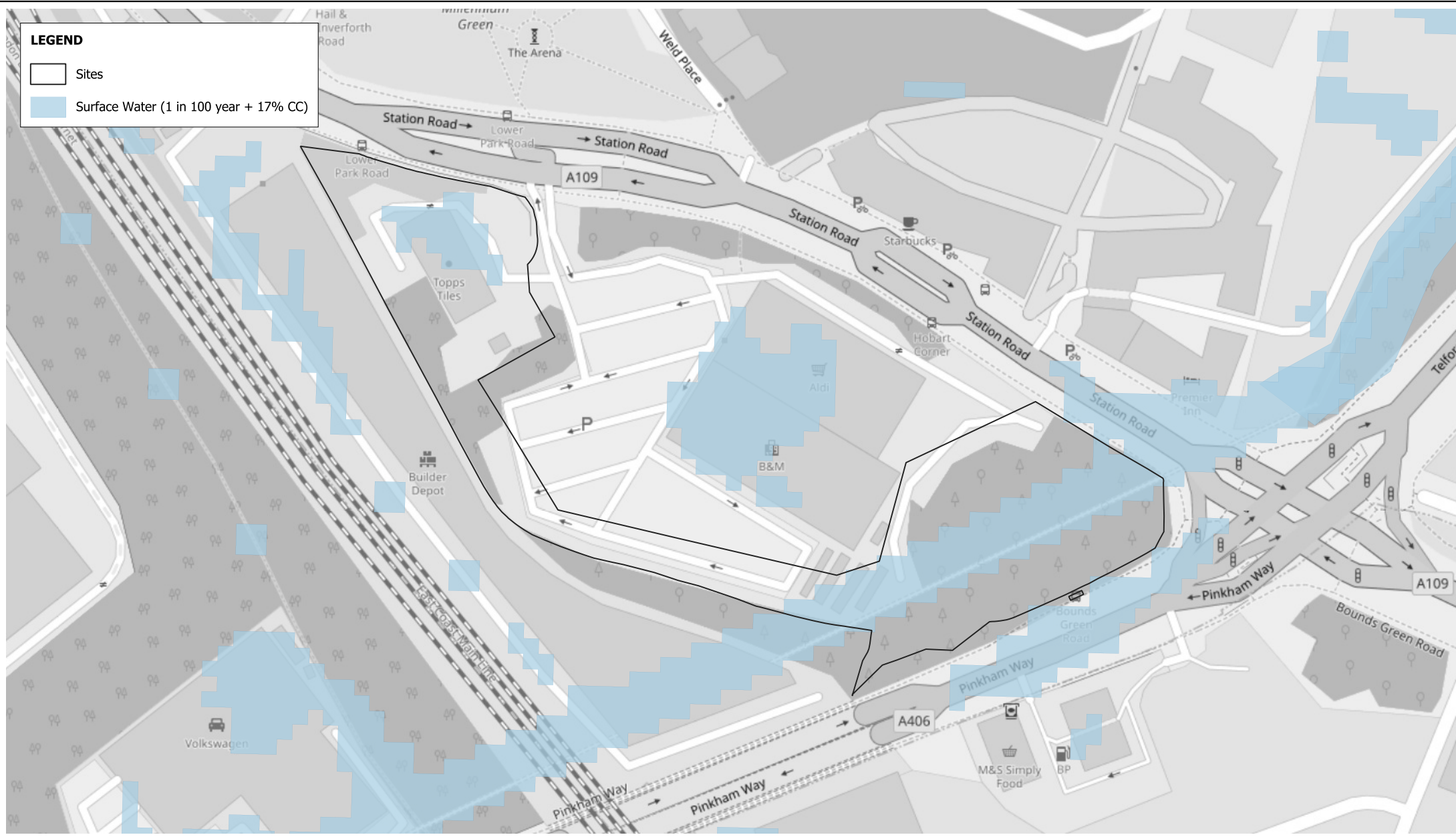
Dataset : Provided by
London Borough of Enfield on 05/2023
Background : OSM 24/10/2024

Figure:

SA7.1 - (13)

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Surface Water Flooding (1 in 100 year + 17% CC)

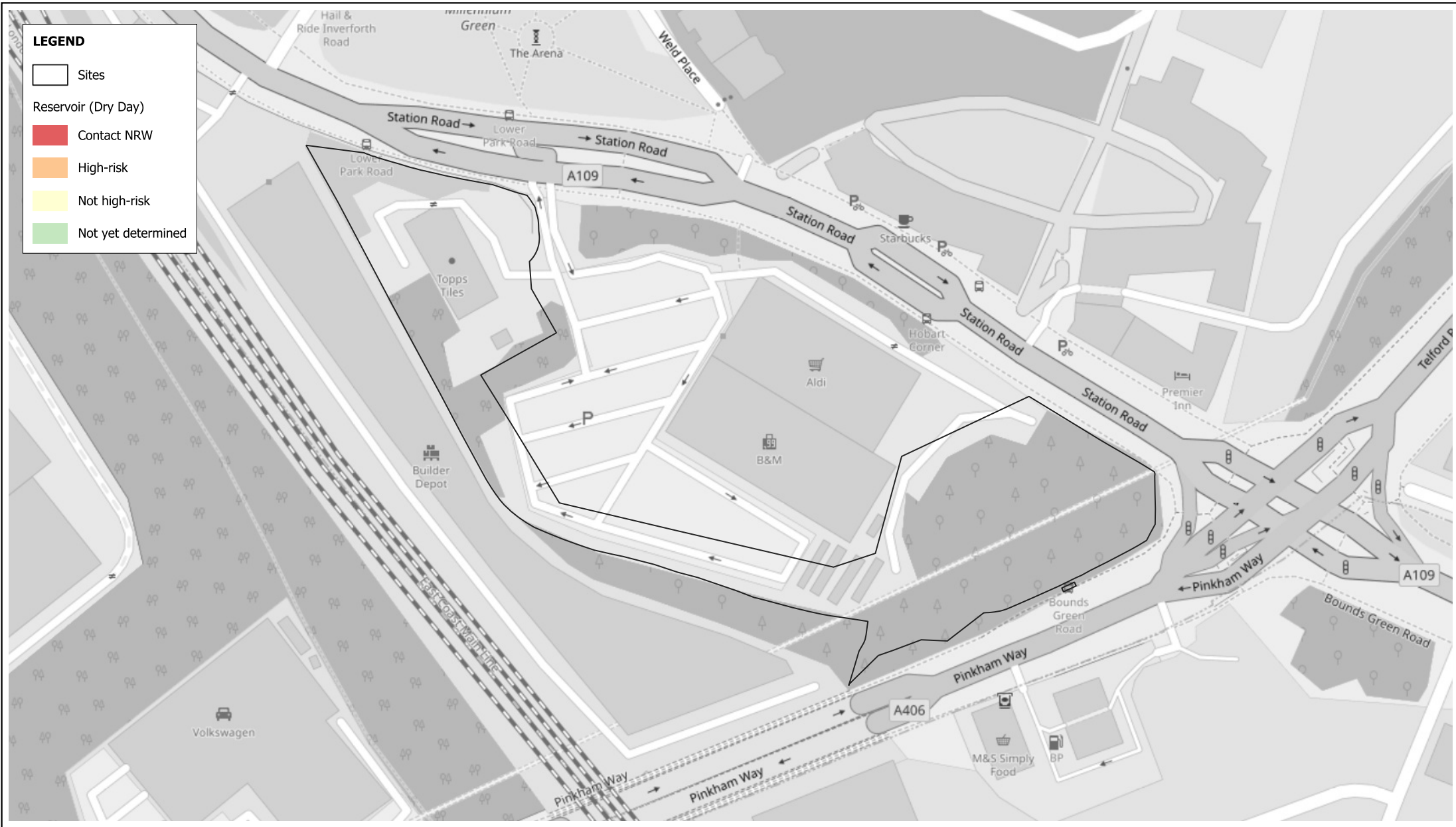
Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : Provided by
 London Borough of Enfield on 05/2023
 Background : OSM 24/10/2024

Figure:
SA7.1 - (14)

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Risk of Flooding from Reservoirs (Dry Day)

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024






Dataset : EA dataset from 05/2023
 Background : OSM 24/10/2024

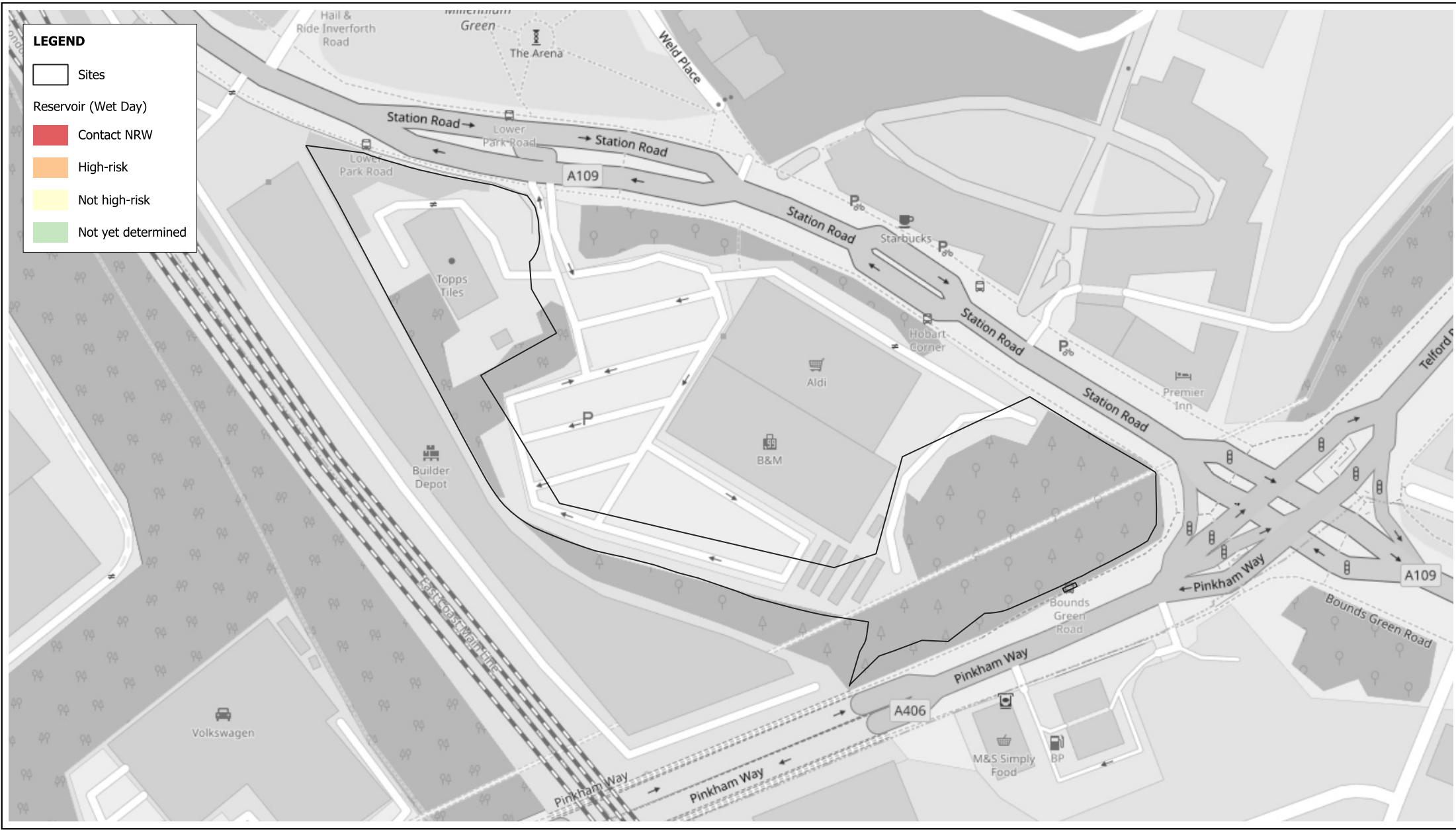
Figure:
SA7.1 - (15)

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LEGEND

-  Sites
- Reservoir (Wet Day)**
-  Contact NRW
-  High-risk
-  Not high-risk
-  Not yet determined




Risk of Flooding from Reservoirs (Wet Day)


Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : EA dataset from 05/2023
 Background : OSM 24/10/2024

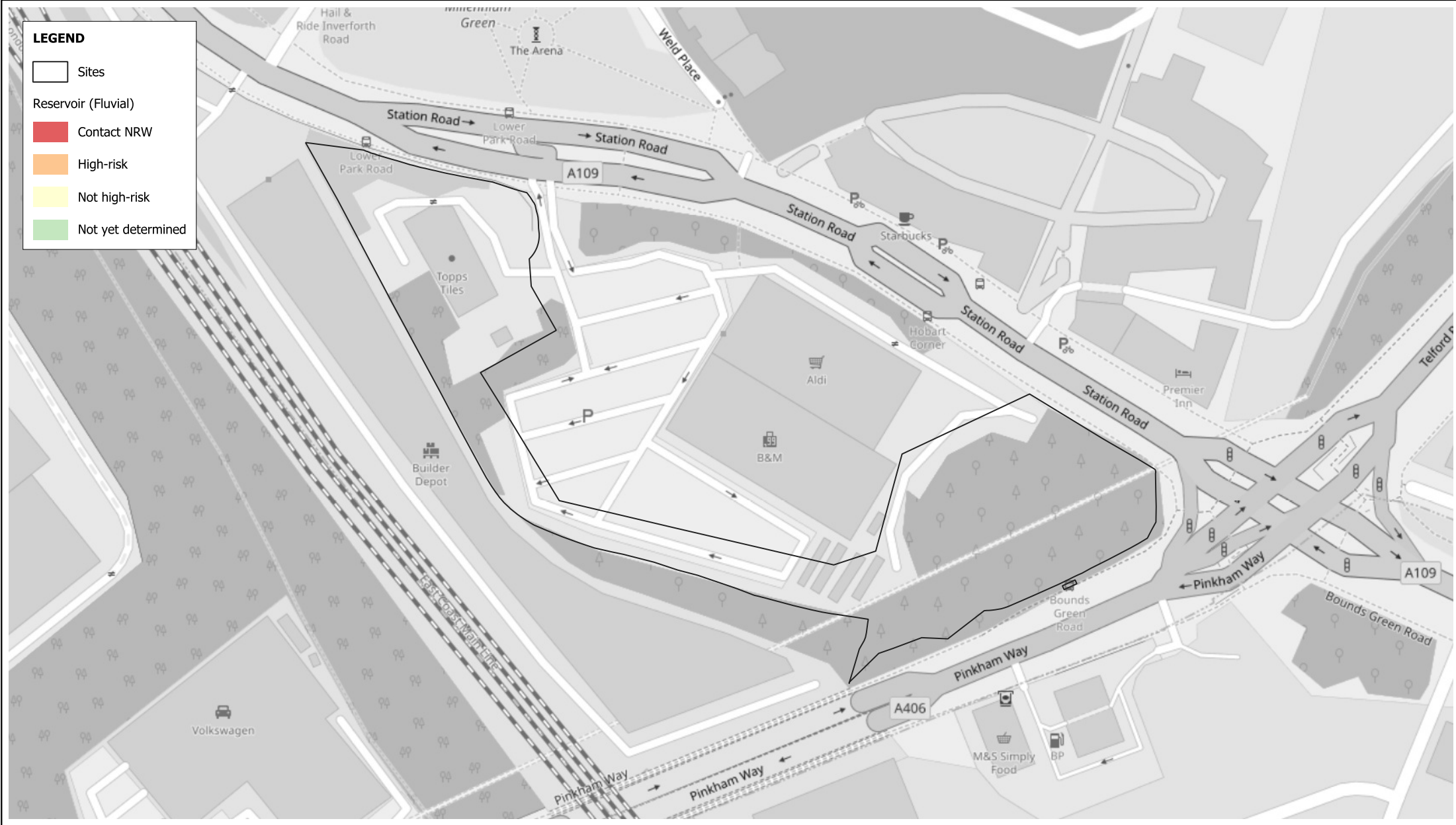
Figure:
SA7.1 - (16)

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0

20
40 m





Risk of Flooding from Reservoirs (Fluvial)

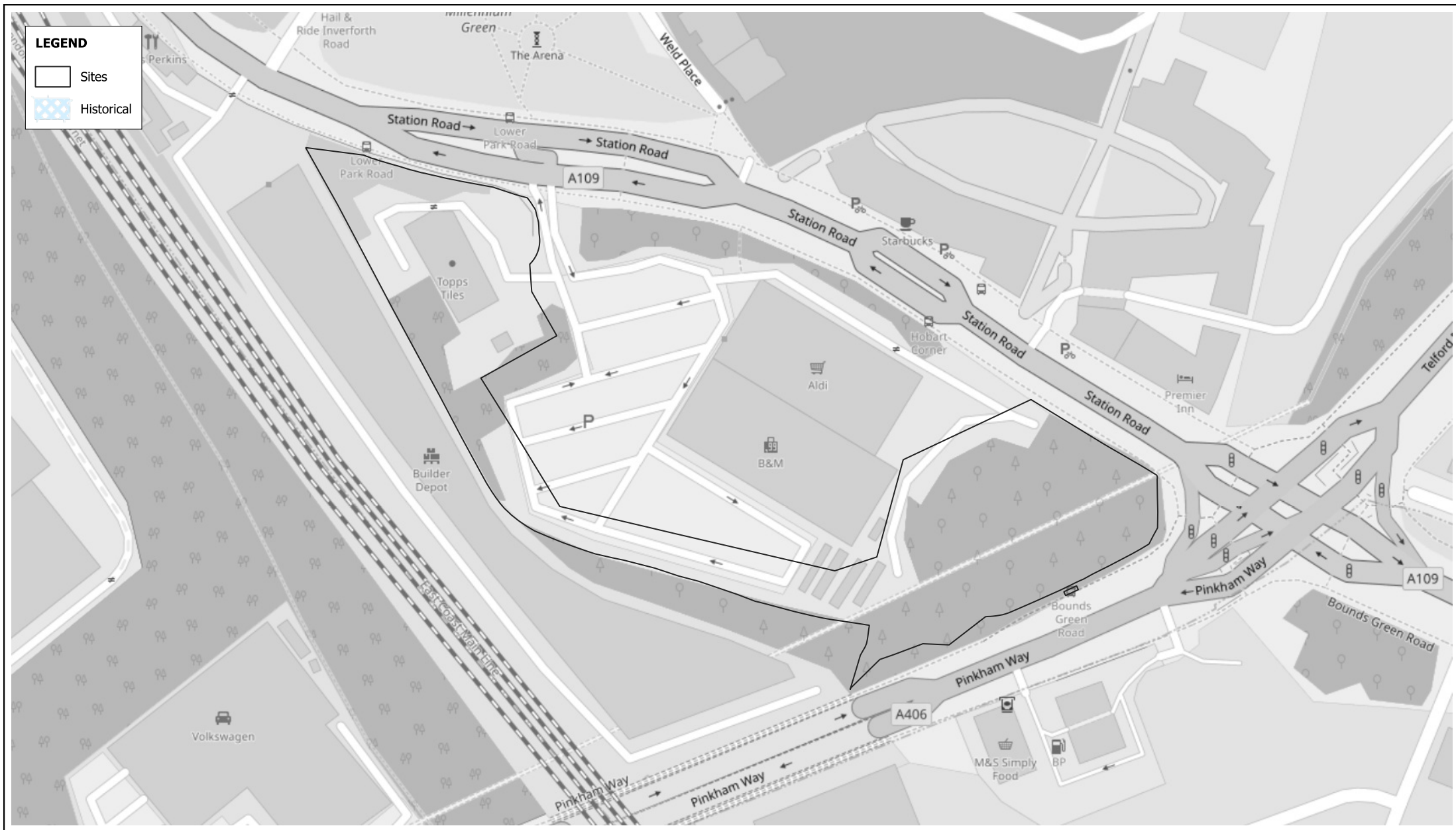
Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : EA dataset from 05/2023
 Background : OSM 24/10/2024

Figure:
SA7.1 - (17)

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Historic Flood Areas

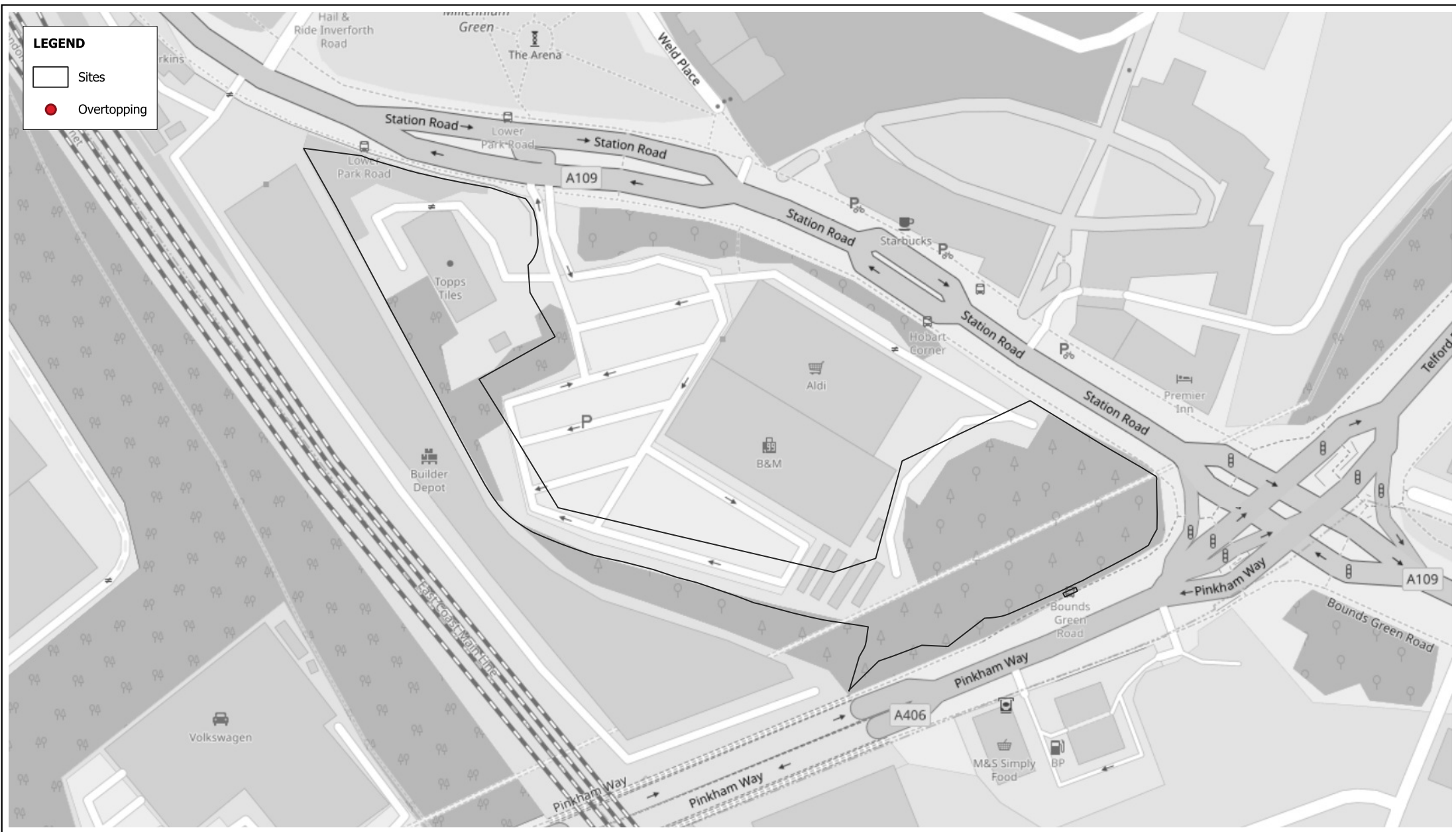
Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : EA dataset provided by
 London Borough of Enfield on 02/2016
 Background : OSM 24/10/2024

Figure:
SA7.1 - (18)

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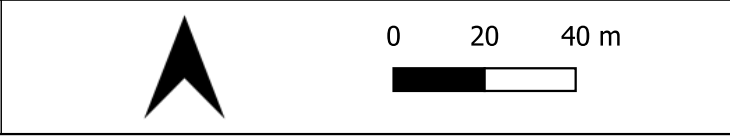
Overtopping (Canals and other artificial bodies)

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : Canal River Trust dataset
 from 05/2023
 Background : OSM 24/10/2024

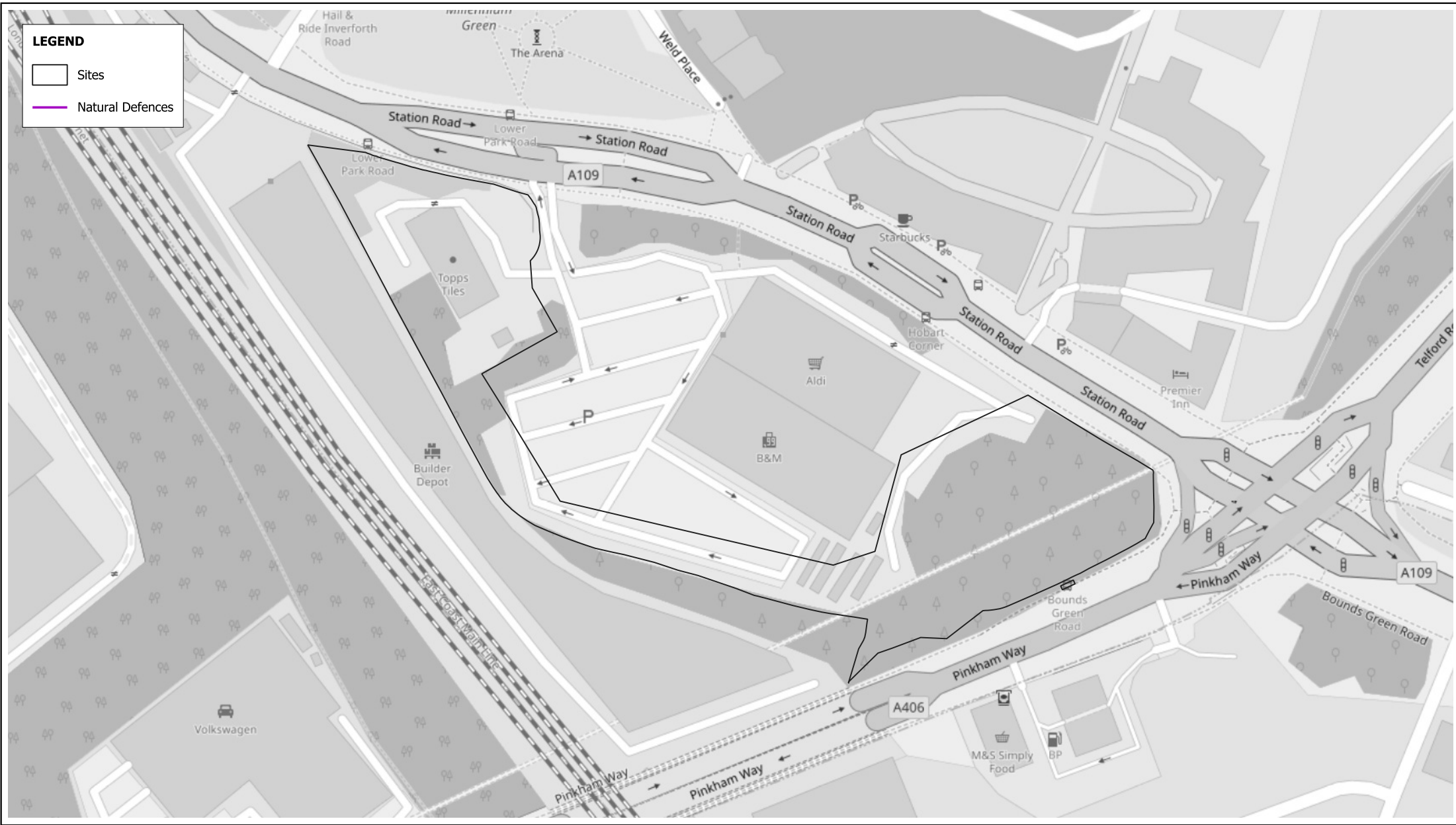
Figure:
SA7.1 - (19)

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LEGEND

- Sites
- Natural Defences



Natural Defences

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : EA dataset provided by
 London Borough of Enfield on 02/2016
 Background : OSM 24/10/2024

Figure:
SA7.1 - (20)

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LEGEND

- Sites
- Flood Warning
- Flood Alert

Flood Alert and Flood Warning Areas

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : EA datasets provided by London Borough of Enfield in 2015/2016
 Background : OSM 24/10/2024



Figure: **SA7.1 - (21)**

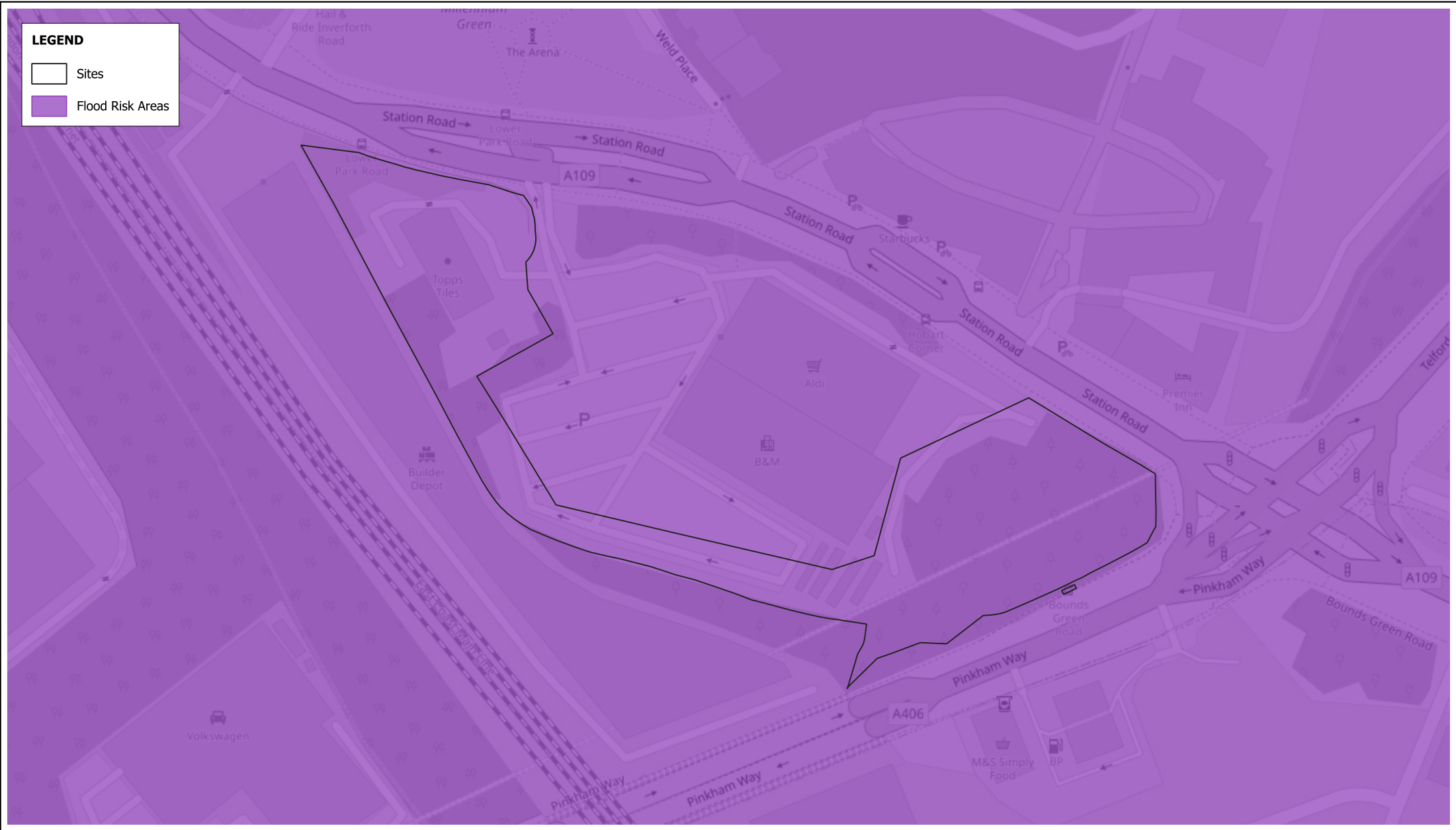
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0 20 40 m



LEGEND

-  Sites
-  Flood Risk Areas



Flood Risk Areas

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : EA dataset provided by London Borough of Enfield in 2016
 Background : OSM 24/10/2024

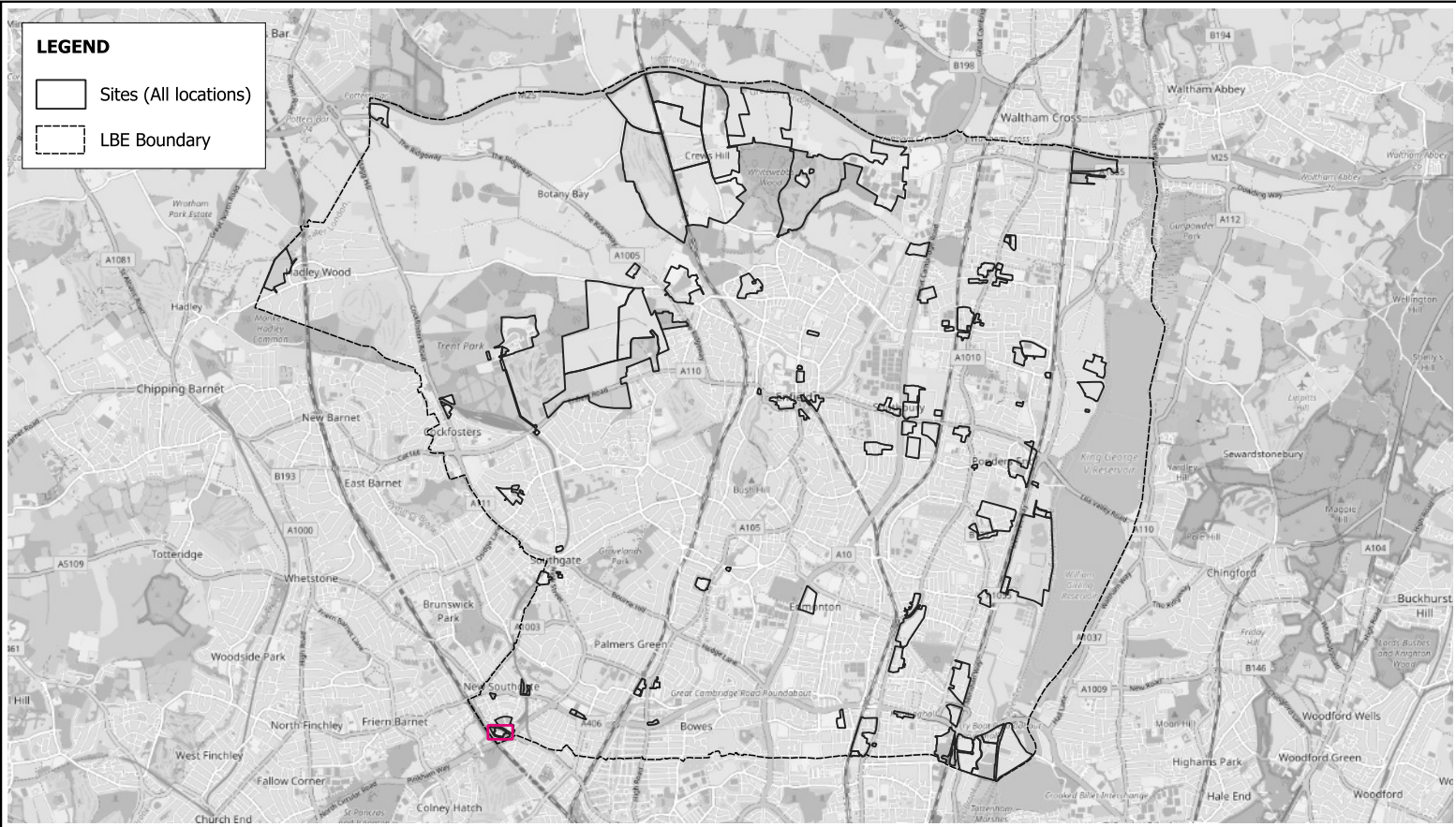
Figure:
SA7.1 - (22)

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A north arrow pointing upwards and a scale bar showing 0, 20, and 40 meters.





Site Location	Projection : British National Grid Produced by BMT Production date : 24/10/2024	Dataset : Provided by London Borough of Enfield on 06/2023 Background : OSM 24/10/2024	Figure: SA7.2 - (01)
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Address	Homebase, Station Road, New Southgate	Flood Zones 2016 (Ha)	FZ 2: 0 (0%) FZ 3: None
Postcode	N11 1QJ	Flood Zones 2023 (Ha)	FZ 2: 0 (0%), FZ 3: None, FZ 3b: 0 (0%)
Ward	New Southgate	Fluvial Flooding (1 in 100 year + 17% CC) (Ha)	0 (0%)
Proposed development	Housing and Mixed Use	Surface Water Flooding (1 in 100 year) (Ha)	0.08 (6%)
Area (Ha)	1.37	Pluvial Flooding (1 in 100 year + 17% CC) (Ha)	0.21 (16%)
Watercourses	Within 200m of watercourse	Risk of Flooding from Reservoirs (Wet Day) (Ha)	High Risk: None, Not High Risk: None
Areas Benefitting from Flood Defences (Ha)	0 (0%)	Risk of Flooding from Reservoirs (Fluvial) (Ha)	None
Groundwater Susceptibility (Ha)	<25%: 1.37 (100%)	Risk of Flooding from Reservoirs (Dry Day) (Ha)	None
Minor and Major Resource Coverage (Ha)	Major: 0 (0%), Minor: 0.93 (68%)	Historic Flooding (Ha)	0 (0%)
Resource Classifications	Minor H	Overtopping Locations	No overtopping has occurred within site
Flood Risk Area (Ha)	1.37 (100%)	Flood Defences	No defences within site
Risk of Flooding from Rivers and Sea (Ha)	High: None, Medium: None, Low: None, Very Low: None	Flood Alert and Warning (Ha)	Alert: 0 (0%), Warning: 0 (0%)

Comments: This site is proposed for residential and mixed-use development. Sections of the site that are within Flood Zone 2 are covered by exclusion zones and will only be used for water compatible development. The site has planning approval under the reference 20/02611/VAR.

LEGEND

Sites

<p>300 IGNEOUS ROCKS</p> <ul style="list-style-type: none"> 310 ACID TO INTERMEDIATE PLUTONIC ROCKS 311 GRANITE 313 DIORITE 340 ACID TO INTERMEDIATE VOLCANIC ROCKS 341 RHYOLITE 320 BASIC PLUTONIC ROCKS 321 GABBRO 350 BASIC TO ULTRABASIC VOLCANIC ROCKS 351 BASALT 343 ANDESITE 370 PYROCLASTIC ROCKS 371 TUFF 	<p>400 METAMORPHIC ROCKS</p> <ul style="list-style-type: none"> 410 WEAKLY METAMORPHIC ROCKS 420 ACID REGIONAL METAMORPHIC ROCKS 423 MICHA SCHIST 424 GNEISS 430 BASIC REGIONAL METAMORPHIC ROCKS 431 GREENSCHIST 440 ULTRABASIC REGIONAL METAMORPHIC ROCKS 441 SERPENTINITE 450 CALCAREOUS REGIONAL METAMORPHIC ROCKS 470 TECTONIC BRECCIA 	<p>100 CLASTIC SEDIMENTARY ROCKS</p> <ul style="list-style-type: none"> 110 120 SANDSTONE AND CONGLOMERATE 110 PSEPHITE OR RUDITE 111 CONGLOMERATE 120 P SAMMITE OR ARENITE 121 SANDSTONE 1212 FERRUGINOUS SANDSTONE 123 GREYWACKE 130 PELITE, ARGILLITE OR LUTITE (MUDROCKS) 131 CLAYSTONE/MUDSTONE 132 SILTSTONE
<p>510 RESIDUAL DEPOSITS</p> <ul style="list-style-type: none"> 560 RESIDUAL 570 RESIDUAL 5711 CLAY WITH 580 SLOPE 582 	<p>200 SEDIMENTARY ROCKS (CHEMICAL OR BIOGENIC)</p> <ul style="list-style-type: none"> 211 100 LIMESTONE AND CLASTIC ROCKS 211 LIMESTONE 212 DOLOSTONE 215 CHALK 221 EVAPORITES (GYPSUM) 	<p>500 UNCONSOLIDATED MARINE/FLUVIAL</p> <ul style="list-style-type: none"> 510 MARINE AND ESTUARINE SANDS 512 QUATERNARY MARINE/ESTUARINE SAND 521 PREQUATERNARY MARINE/ESTUARINE CLAY/SILT 522 QUATERNARY MARINE/ESTUARINE CLAY/SILT 530 FLUVIAL SANDS AND GRAVELS 531 RIVER TERRACE SAND/GRAVEL 530 540 FLUVIAL CLAYS, SILTS SANDS AND GRAVEL 541 RIVER CLAY AND SILT 542 RIVER LOAM 543 OVERBANK DEPOSITS 550 LAKE DEPOSITS
<p>600 UNCONSOLIDATED GLACIAL DEPOSITS</p> <ul style="list-style-type: none"> 610 MORAINIC DEPOSITS 611 GLACIAL TILL 620 GLACIOFLUVIAL DEPOSITS 621 OUTWASH SAND 630 GLACIOLACUSTRINE DEPOSIT 	<p>700 LOESS</p> <ul style="list-style-type: none"> 711 LOAM LOESS 712 SAND LOESS 720 EOLIAN SAND 	<p>800 ORGANIC</p> <ul style="list-style-type: none"> 810 PEAT 820 SLIME AND 830 COAL

Soil Classification

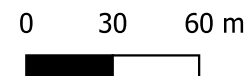
Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

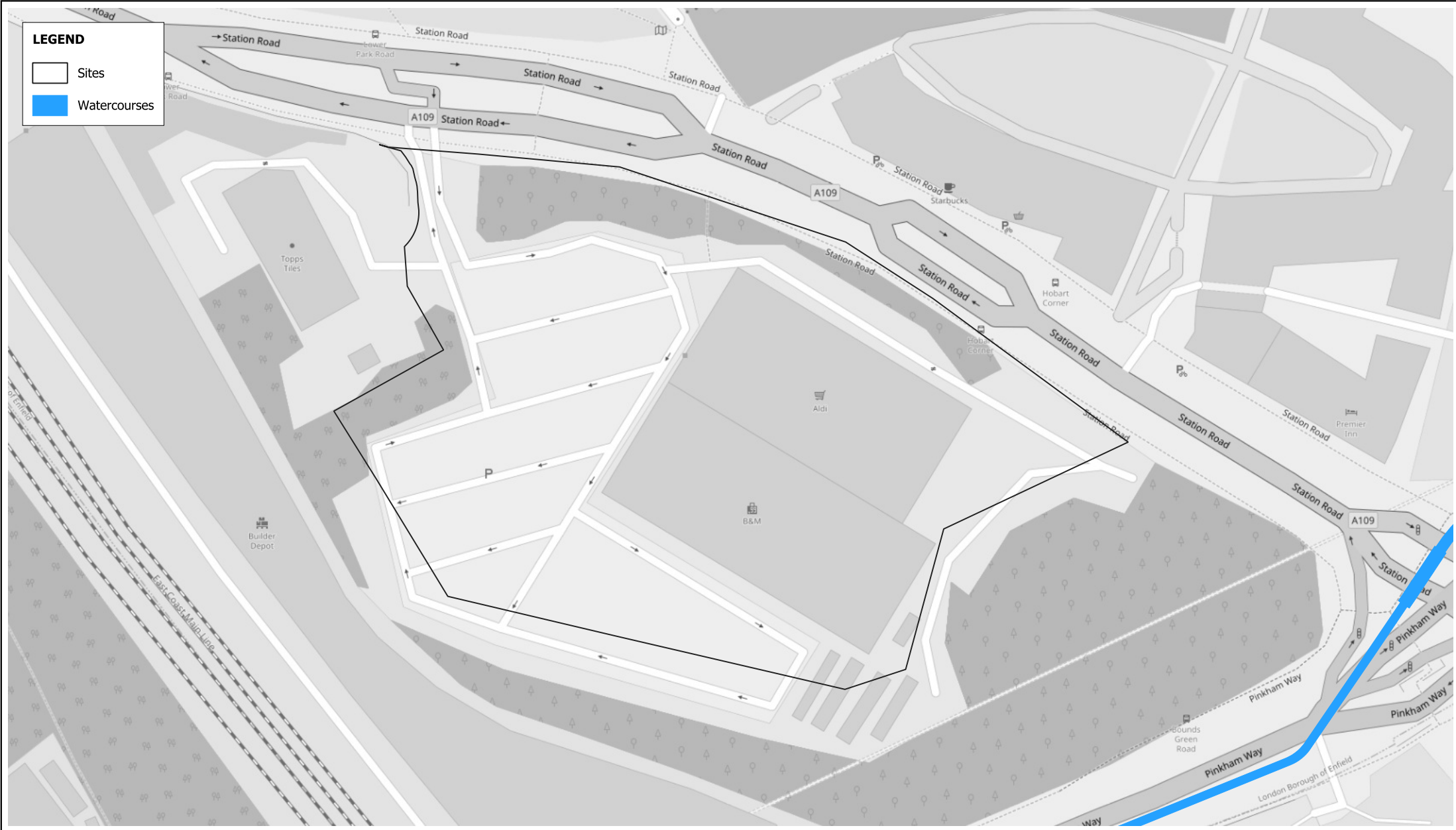
Dataset : Downloaded by BMT
 from UK Soil in 2023
 Background : OSM 24/10/2024

Figure:

SA7.2 - (02)

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Main Watercourses

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : Provided by
 London Borough of Enfield on 05/2016
 Background : OSM 24/10/2024





Figure: **SA7.2 - (03)**

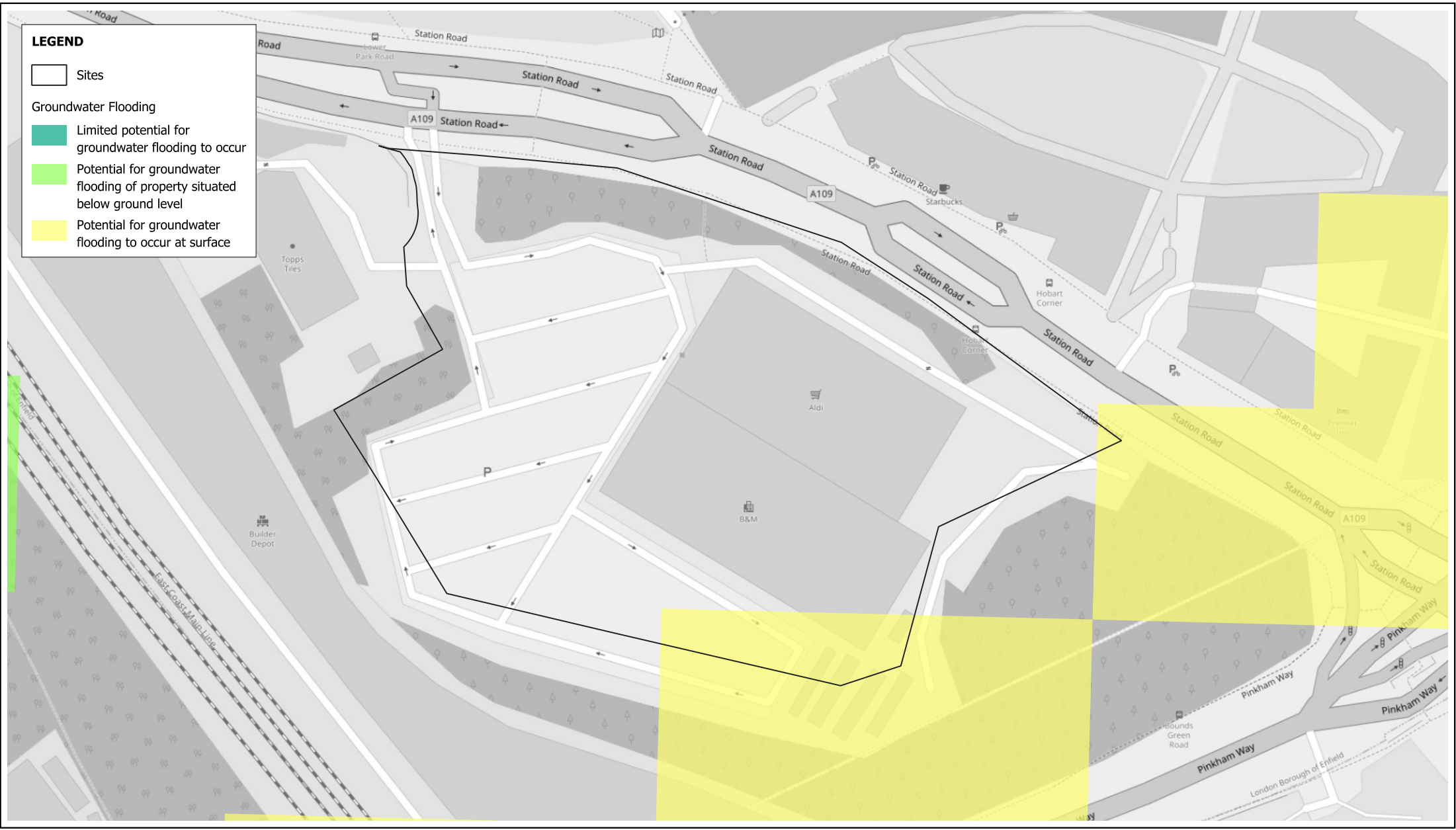
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0 10 20 m



LEGEND

 Sites
 Limited potential for groundwater flooding to occur
 Potential for groundwater flooding of property situated below ground level
 Potential for groundwater flooding to occur at surface



Groundwater Flooding

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : BGS dataset received by BMT on 06/2023
 Background : OSM 24/10/2024

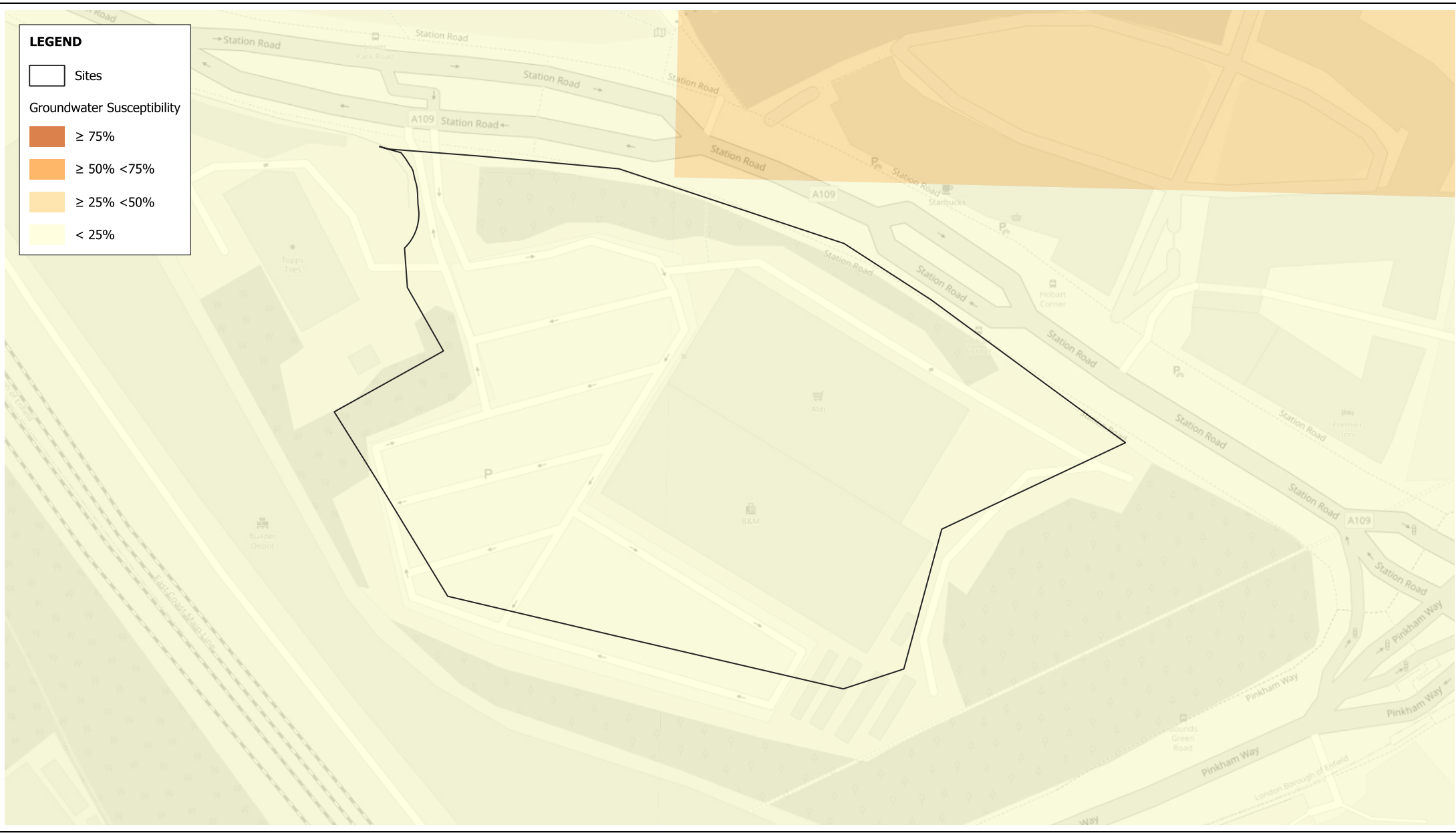
Figure:
SA7.2 - (04)

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0 10 20 m







LEGEND

Sites

Groundwater Susceptibility

- ≥ 75%
- ≥ 50% < 75%
- ≥ 25% < 50%
- < 25%

Groundwater Susceptibility

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

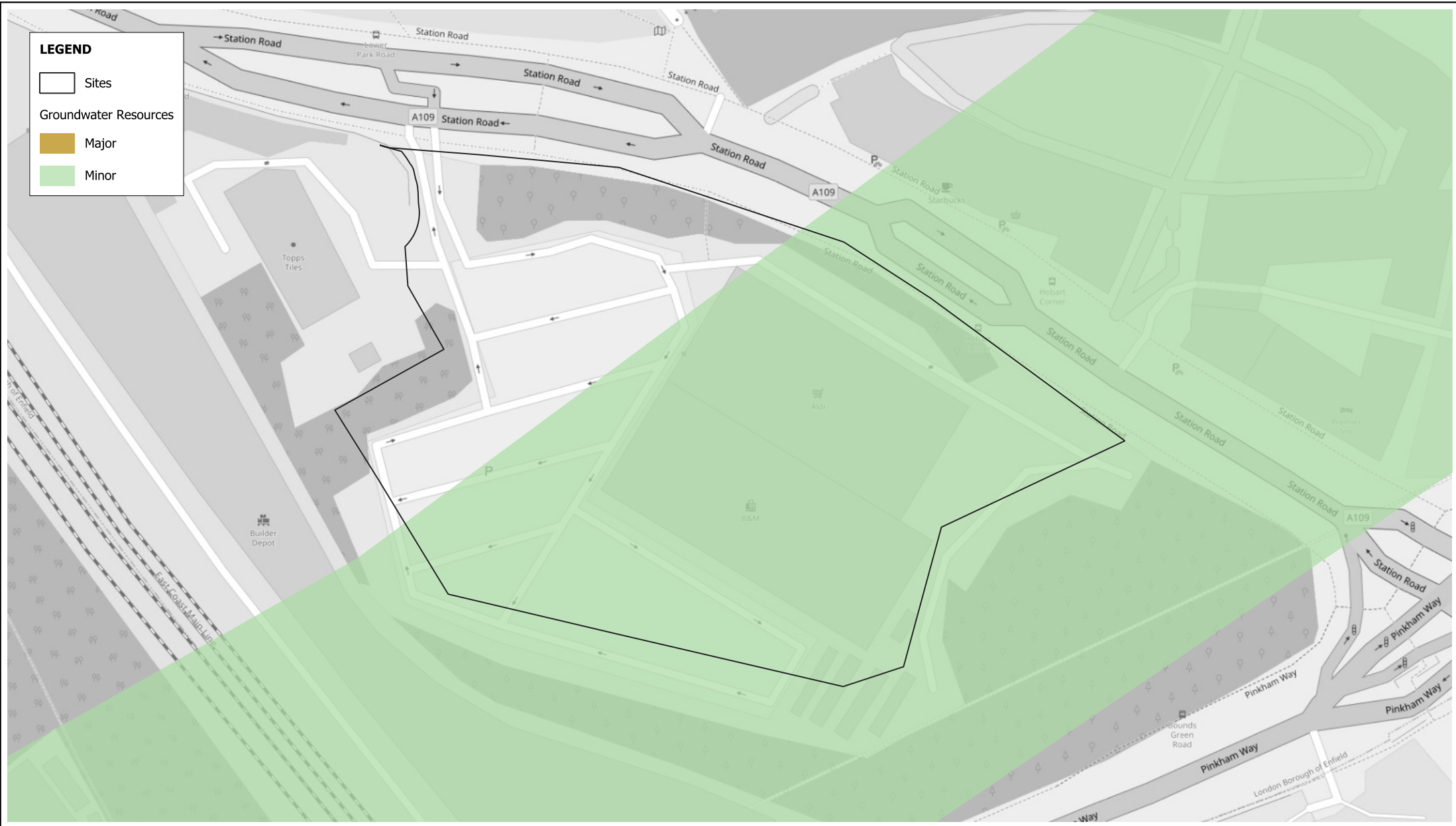
Dataset : EA dataset provided by
 London Borough of Enfield on 02/2016
 Background : OSM 24/10/2024

Figure:
SA7.2 - (05)

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0 10 20 m





Groundwater Resources

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : EA dataset provided by London Borough of Enfield on 02/2016
 Background : OSM 24/10/2024





Figure: **SA7.2 - (06)**

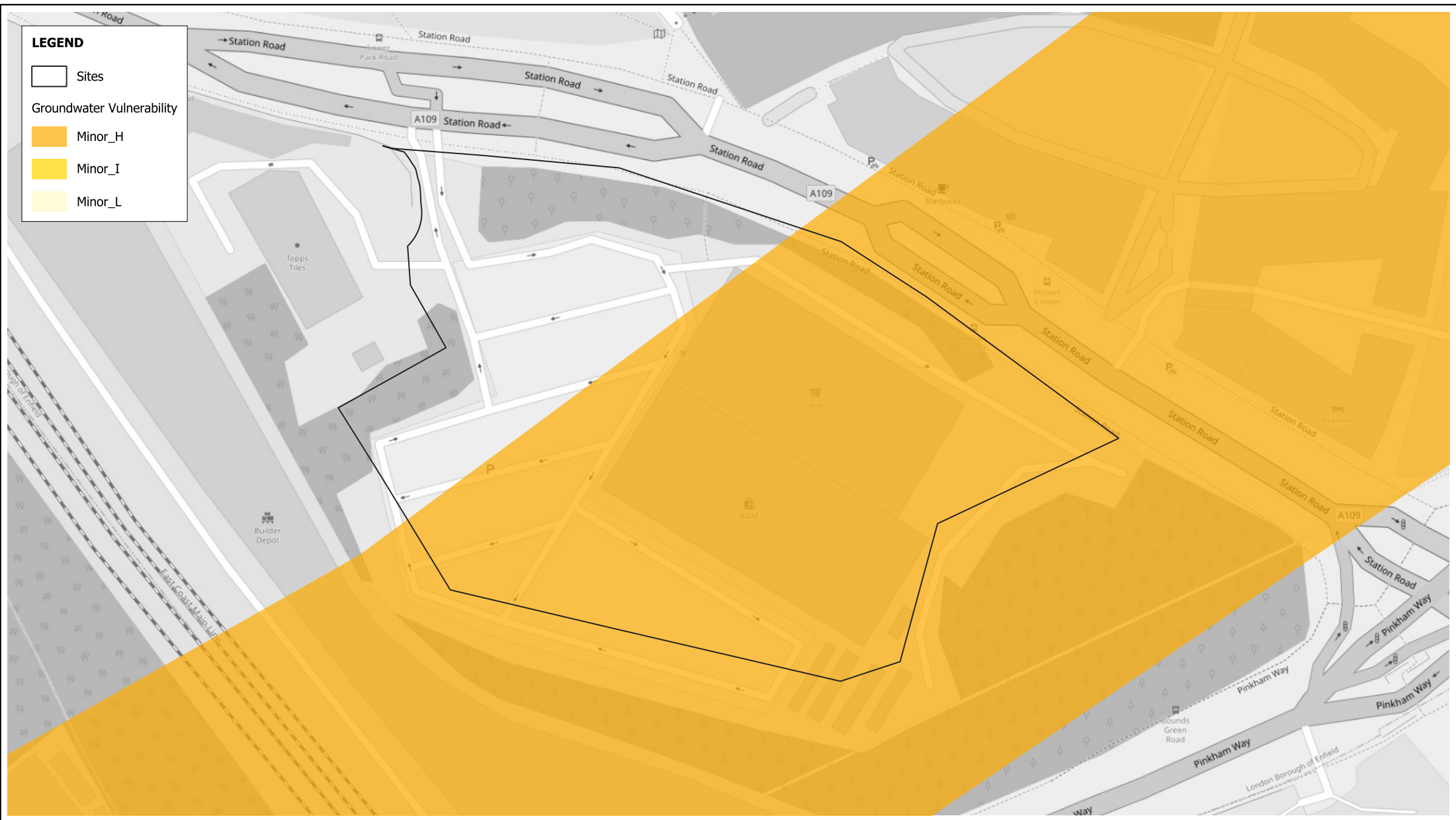
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0 10 20 m



LEGEND

-  Sites
- Groundwater Vulnerability
 -  Minor_H
 -  Minor_I
 -  Minor_L



Groundwater Vulnerability

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

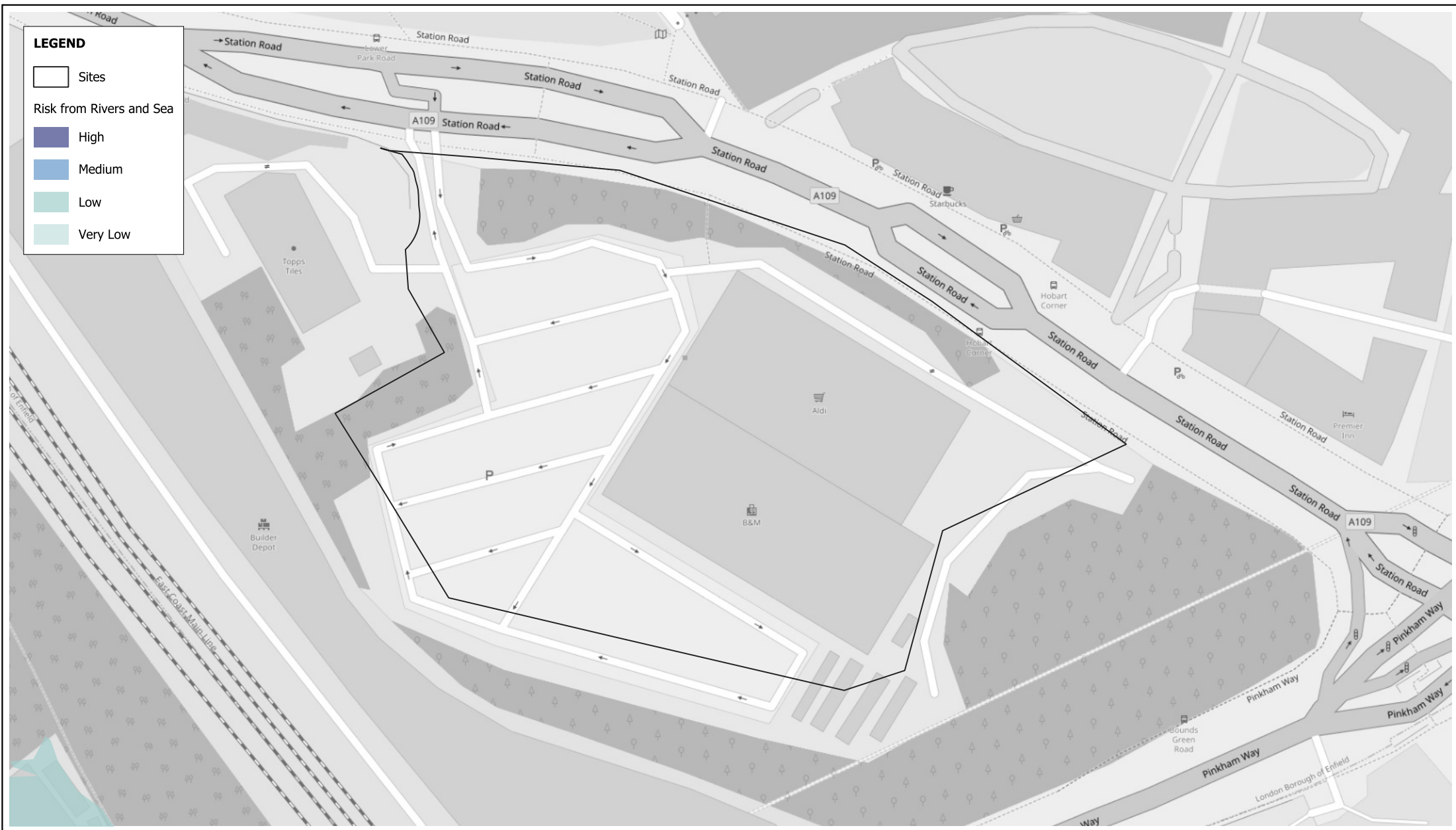
Dataset : EA dataset provided by London Borough of Enfield on 02/2016
 Background : OSM 24/10/2024

Figure: **SA7.2 - (07)**






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LEGEND

-  Sites
- Risk from Rivers and Sea**
-  High
-  Medium
-  Low
-  Very Low


Risk from Rivers and Sea

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

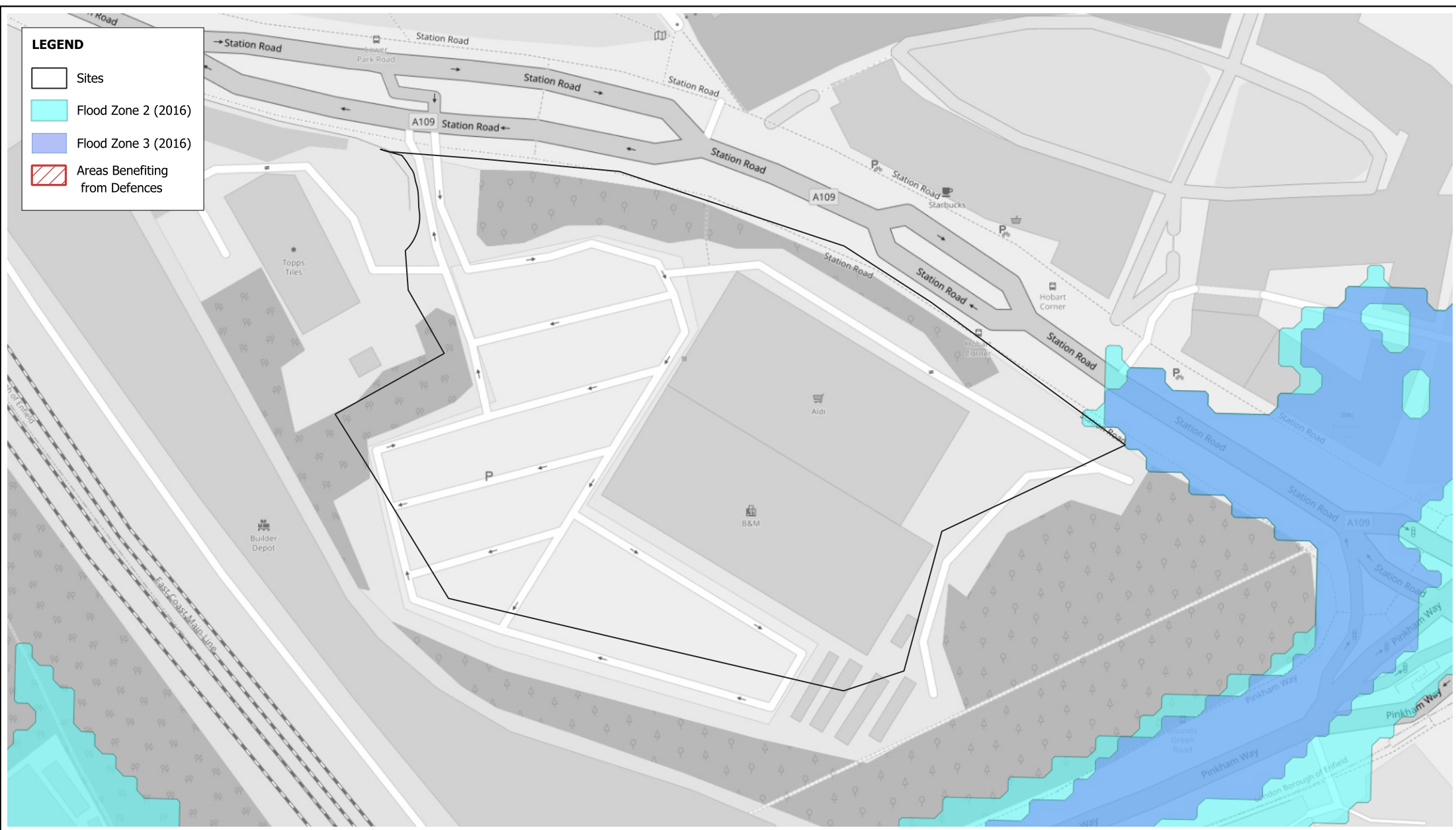
Dataset : EA dataset provided by London Borough of Enfield on 02/2016
 Background : OSM 24/10/2024

Figure:
SA7.2 - (08)

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LEGEND

- Sites
- Flood Zone 2 (2016)
- Flood Zone 3 (2016)
- Areas Benefiting from Defences

Flood Zones (provided 2016)

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

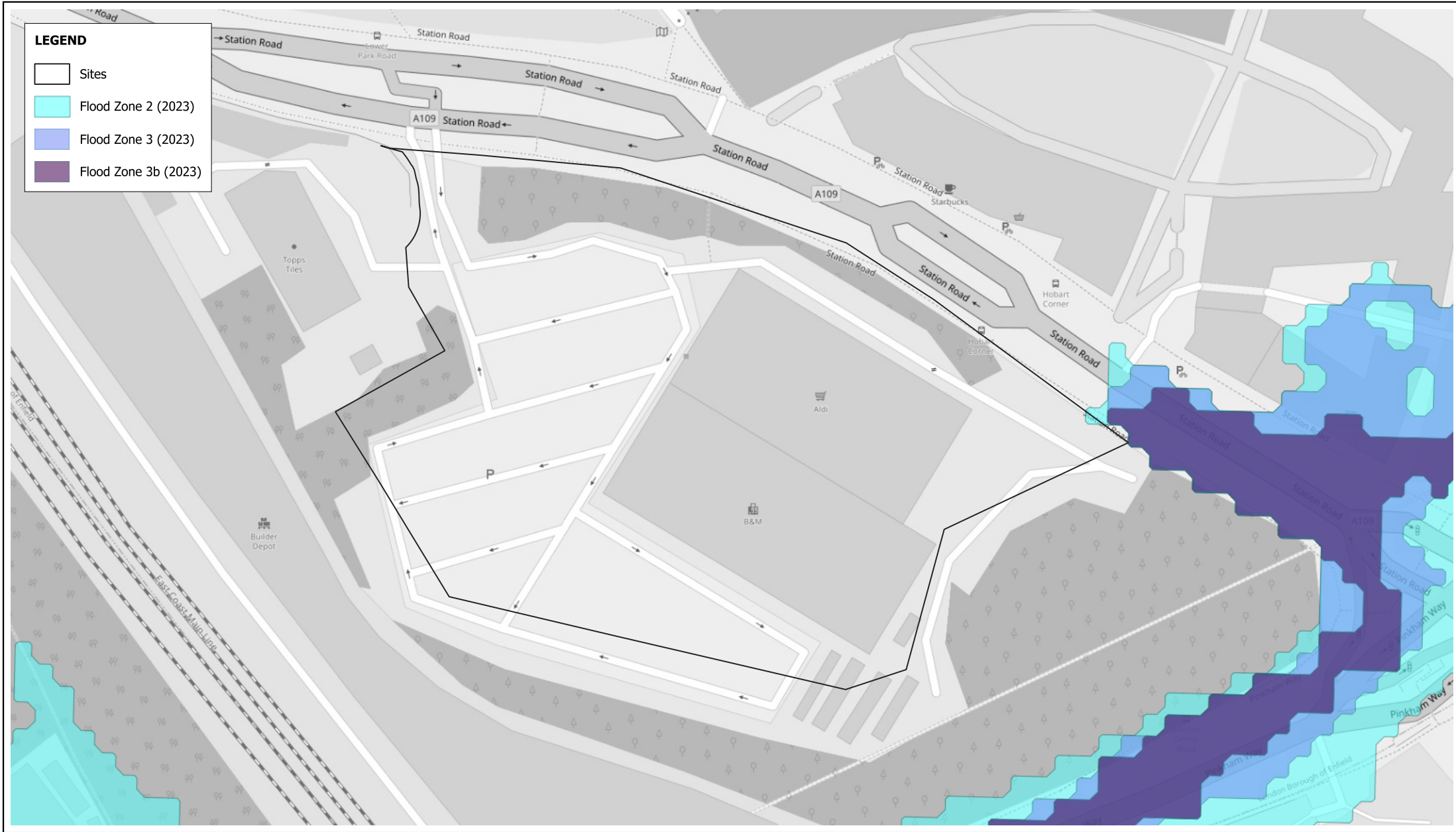
Dataset : EA datasets provided by London Borough of Enfield on 02/2016
 Background : OSM 24/10/2024

Figure:
SA7.2 - (09)

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0 10 20 m





LEGEND

- Sites
- Flood Zone 2 (2023)
- Flood Zone 3 (2023)
- Flood Zone 3b (2023)

Flood Zones (provided 2023)

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : EA datasets provided by
 London Borough of Enfield on 05/2023
 Background : OSM 24/10/2024





Figure:
SA7.2 - (10)

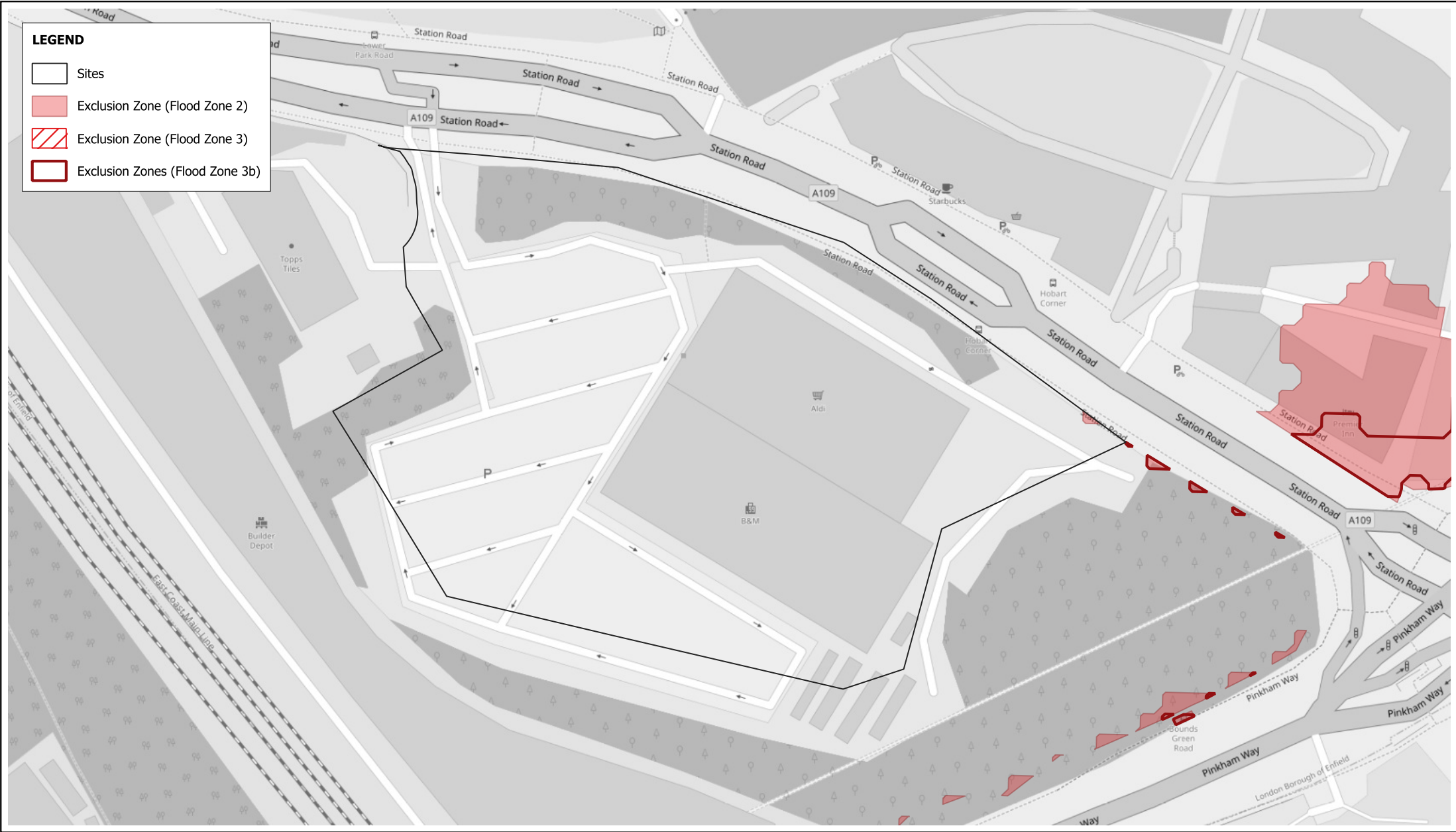
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0 10 20 m



LEGEND

-  Sites
-  Exclusion Zone (Flood Zone 2)
-  Exclusion Zone (Flood Zone 3)
-  Exclusion Zones (Flood Zone 3b)




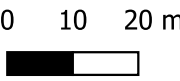
Exclusion Zones

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024



Dataset : EA datasets provided by
 London Borough of Enfield on 05/2023
 Background : OSM 24/10/2024

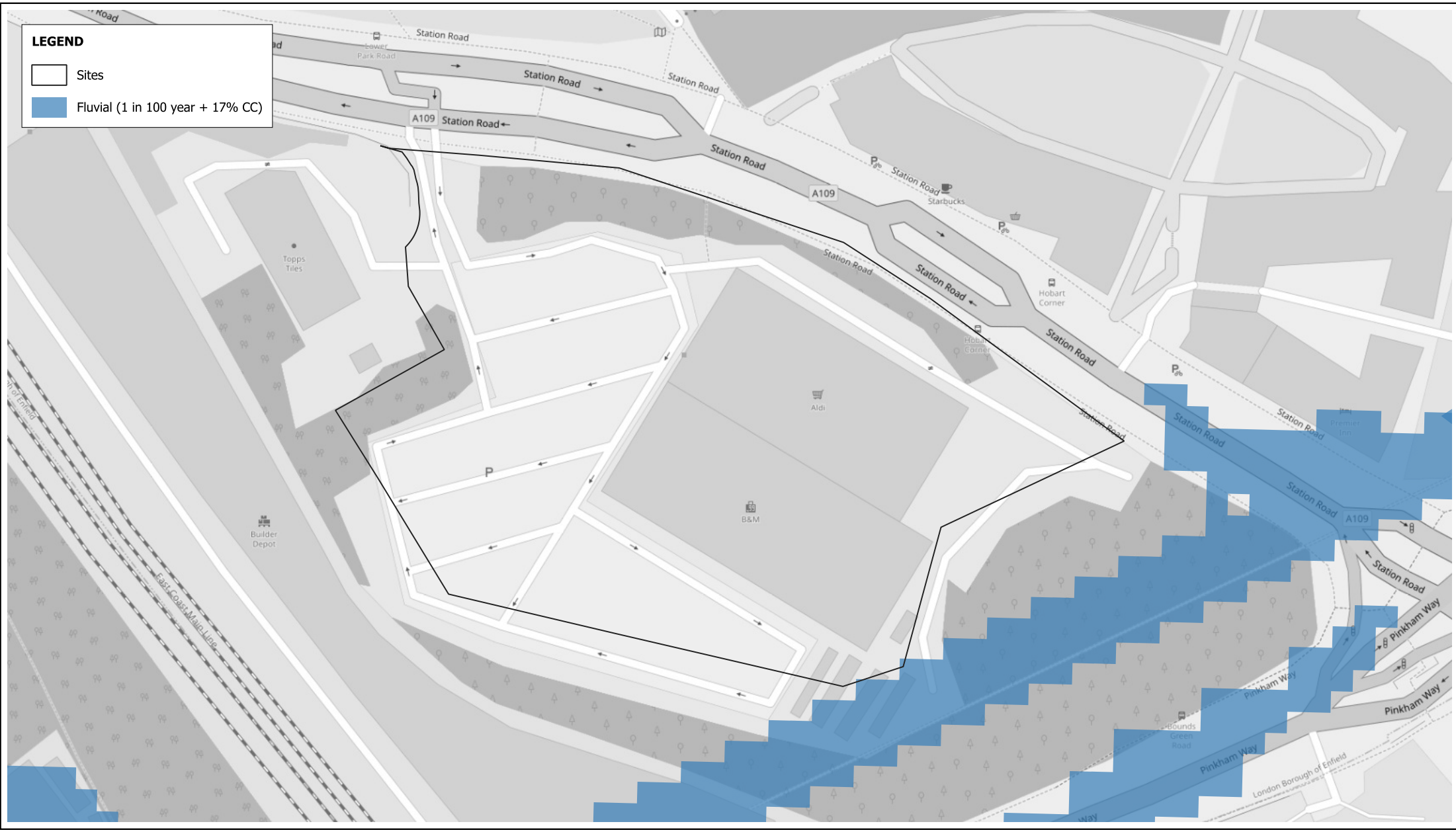
Figure:
SA7.2 - (11)

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LEGEND

-  Sites
-  Fluvial (1 in 100 year + 17% CC)



Fluvial Flooding (1 in 100 year + 17% CC)

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

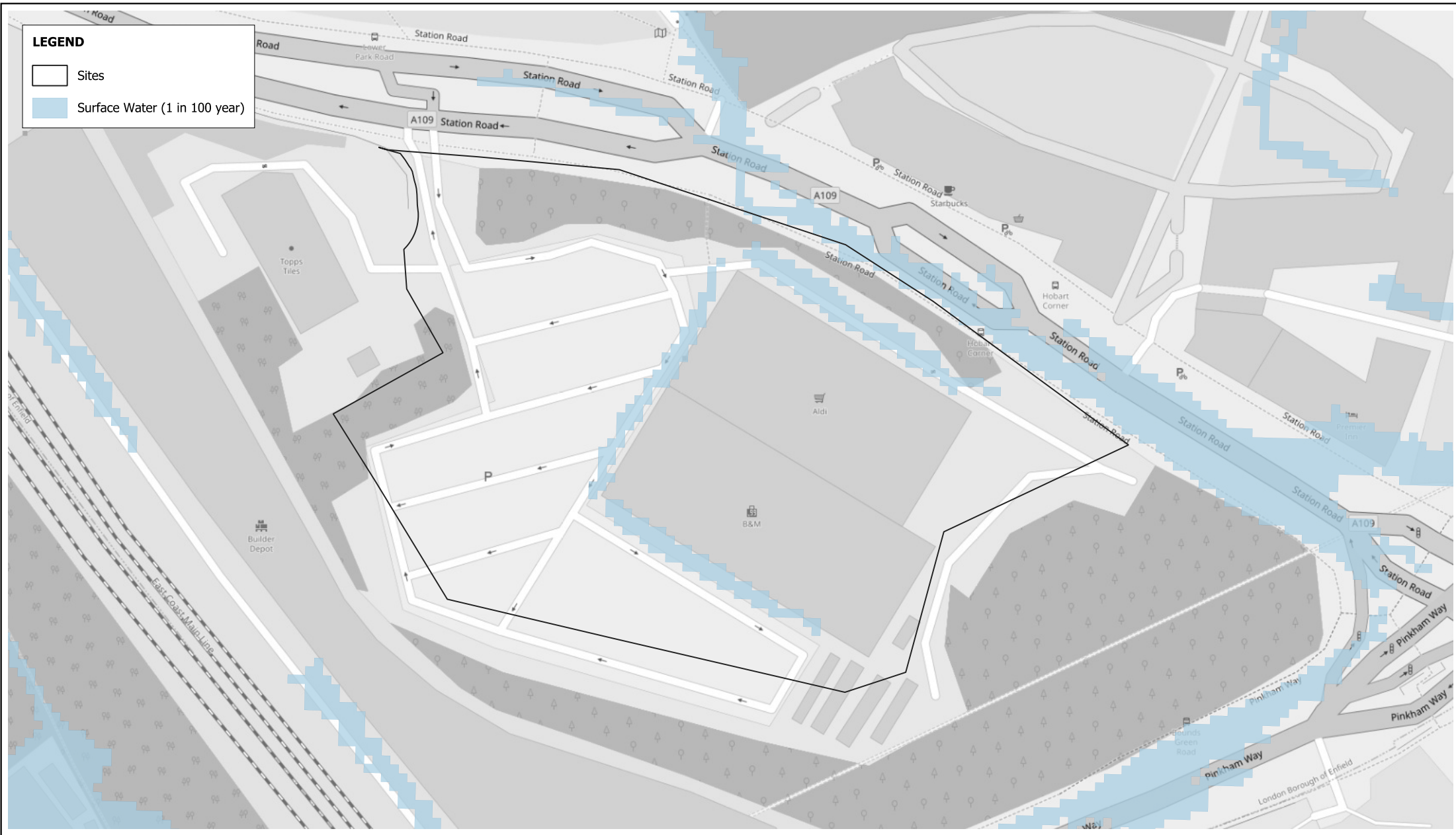
Dataset : Provided by
 London Borough of Enfield on 05/2023
 Background : OSM 24/10/2024

Figure:
SA7.2 - (12)

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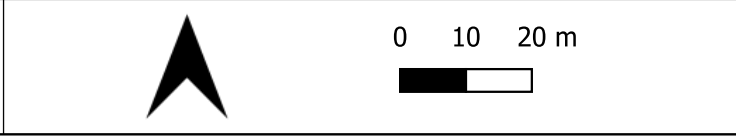
Surface Water Flooding (1 in 100 year)

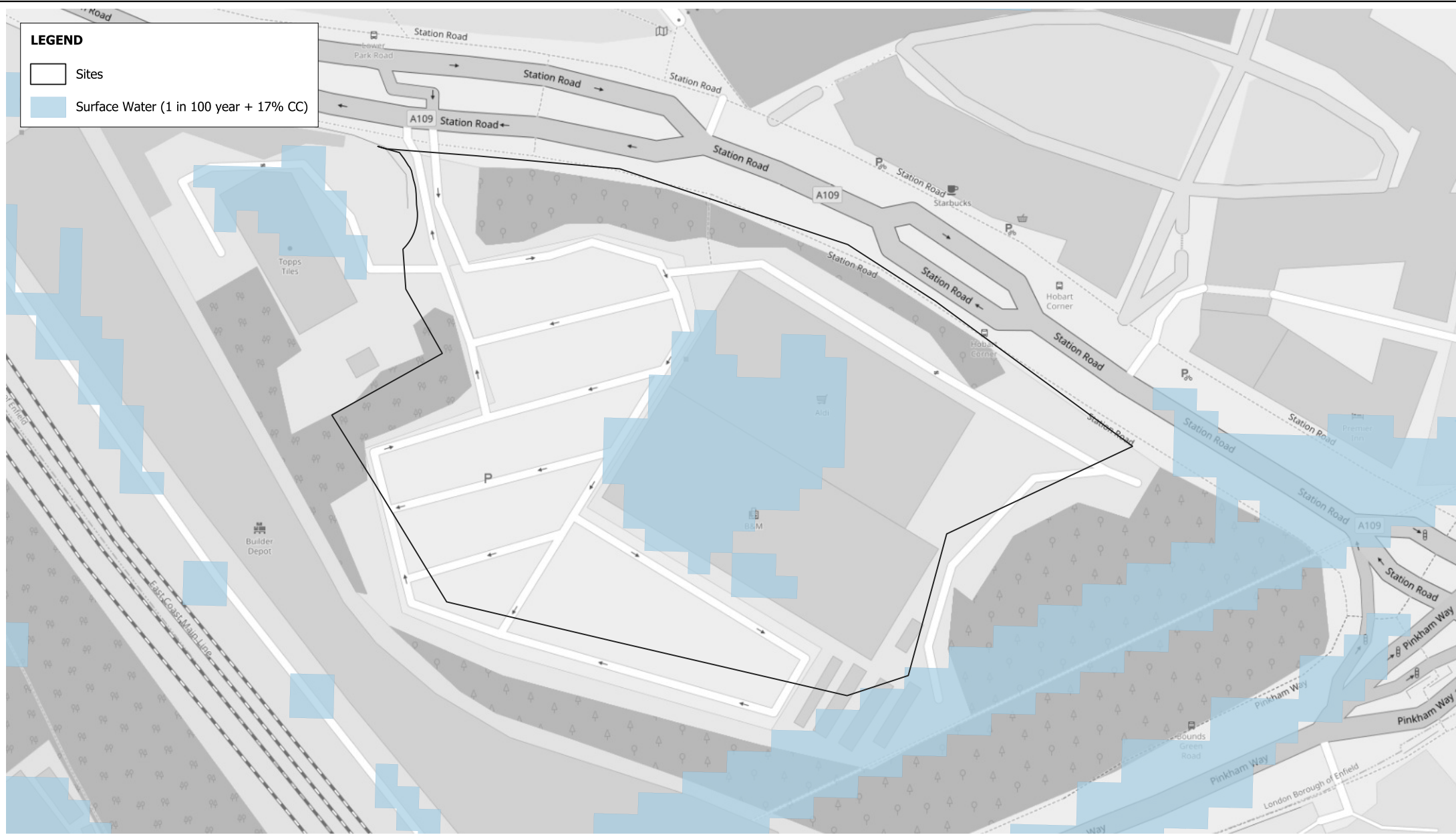
Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : Provided by
 London Borough of Enfield on 05/2023
 Background : OSM 24/10/2024

Figure:
SA7.2 - (13)

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Surface Water Flooding (1 in 100 year + 17% CC)

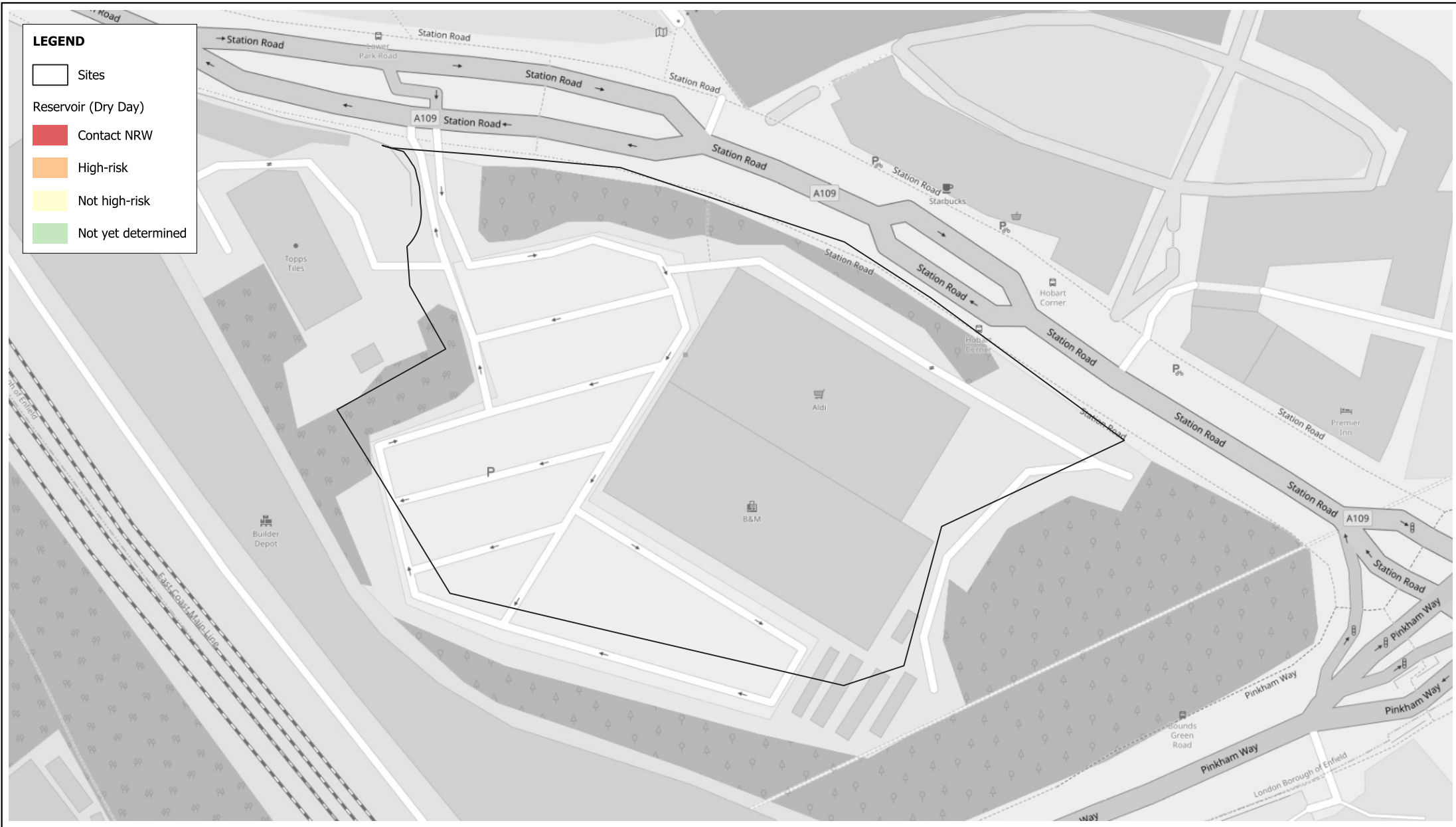
Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : Provided by
 London Borough of Enfield on 05/2023
 Background : OSM 24/10/2024

Figure:
SA7.2 - (14)

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Risk of Flooding from Reservoirs (Dry Day)

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024






Dataset : EA dataset from 05/2023
 Background : OSM 24/10/2024

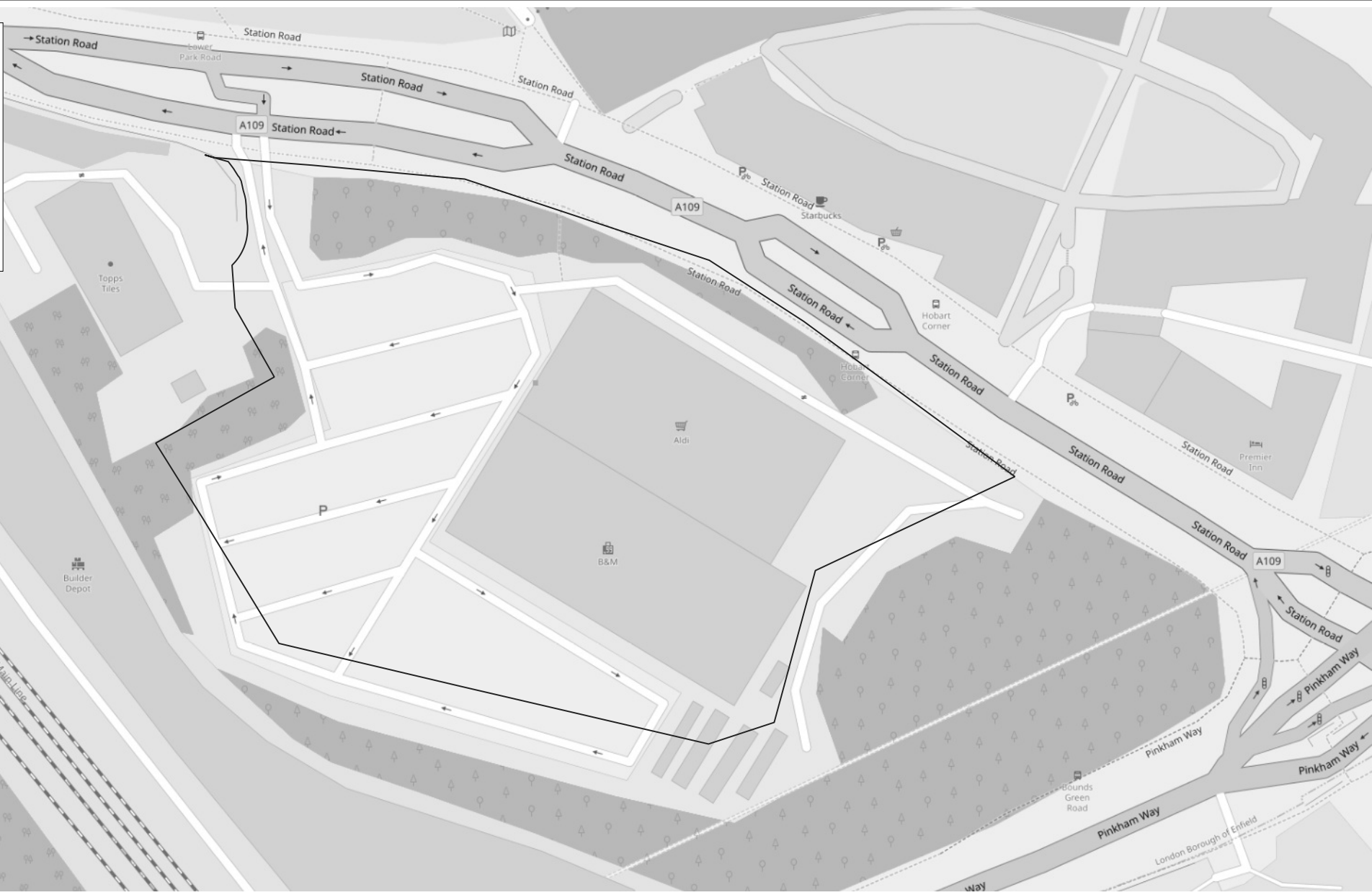
Figure:
SA7.2 - (15)

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LEGEND

-  Sites
- Reservoir (Wet Day)
 -  Contact NRW
 -  High-risk
 -  Not high-risk
 -  Not yet determined



Risk of Flooding from Reservoirs (Wet Day)

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : EA dataset from 05/2023
 Background : OSM 24/10/2024

Figure:
SA7.2 - (16)

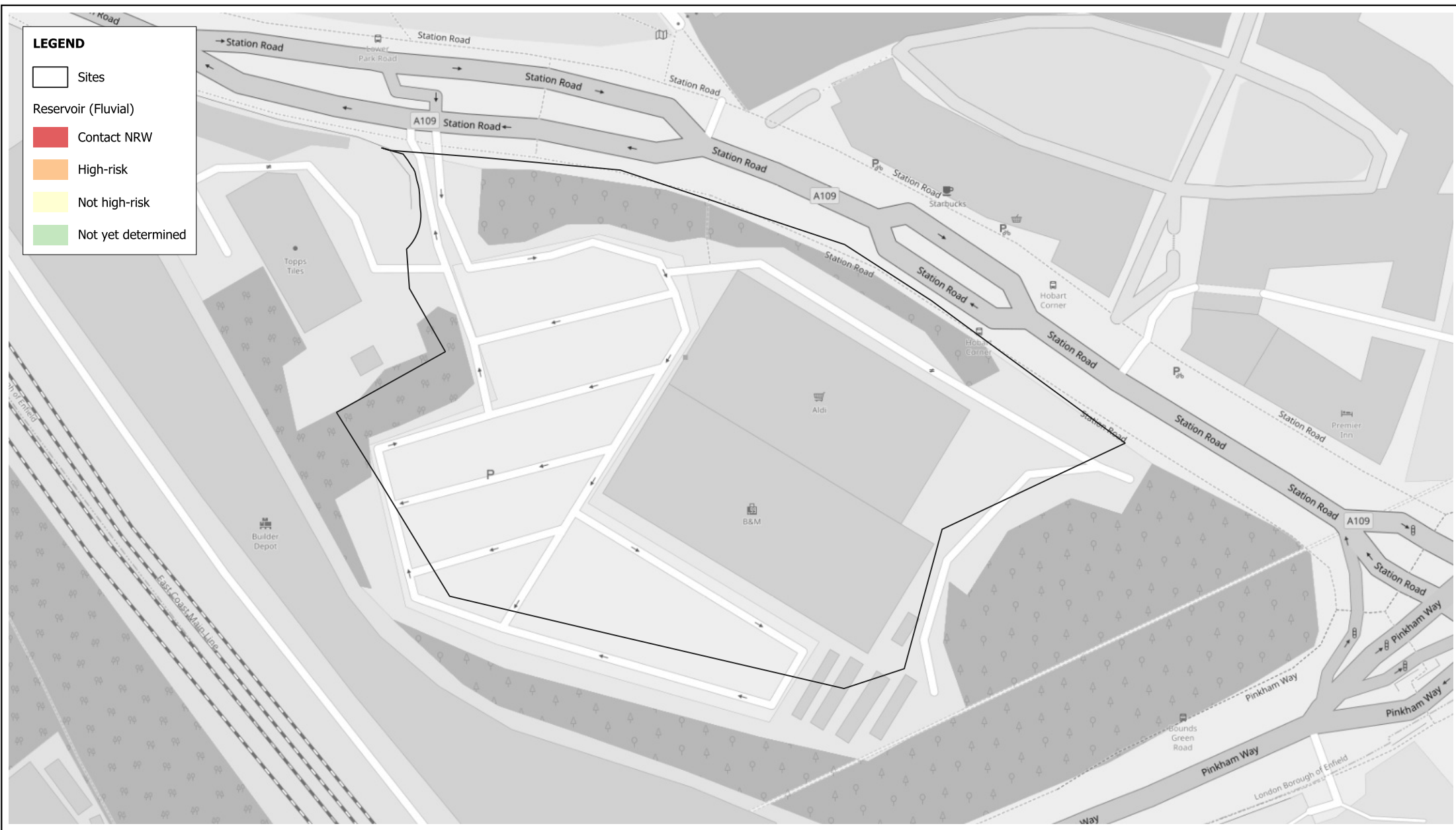
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0 10 20 m







Risk of Flooding from Reservoirs (Fluvial)

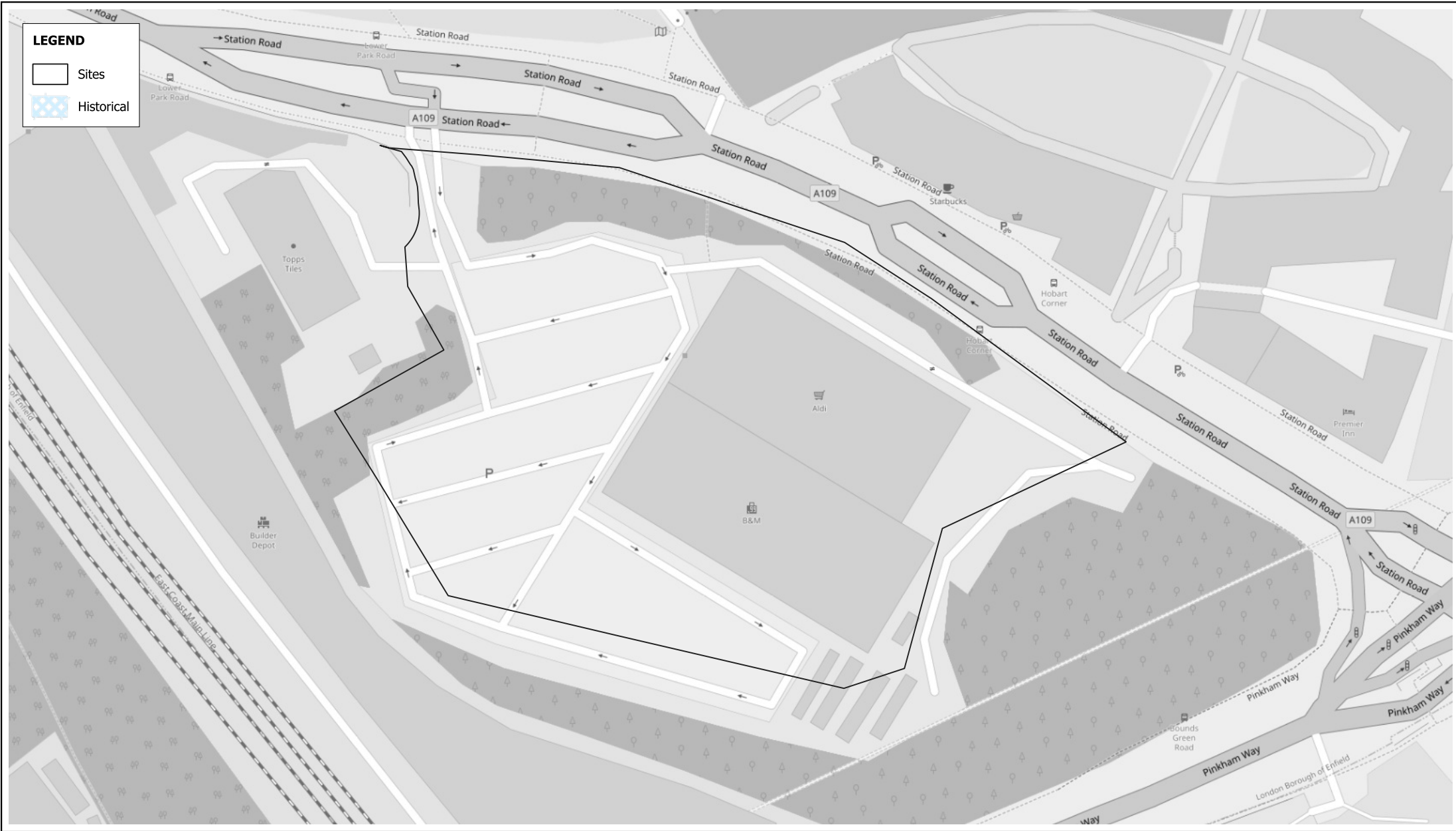
Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : EA dataset from 05/2023
 Background : OSM 24/10/2024

Figure:
SA7.2 - (17)

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Historic Flood Areas

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

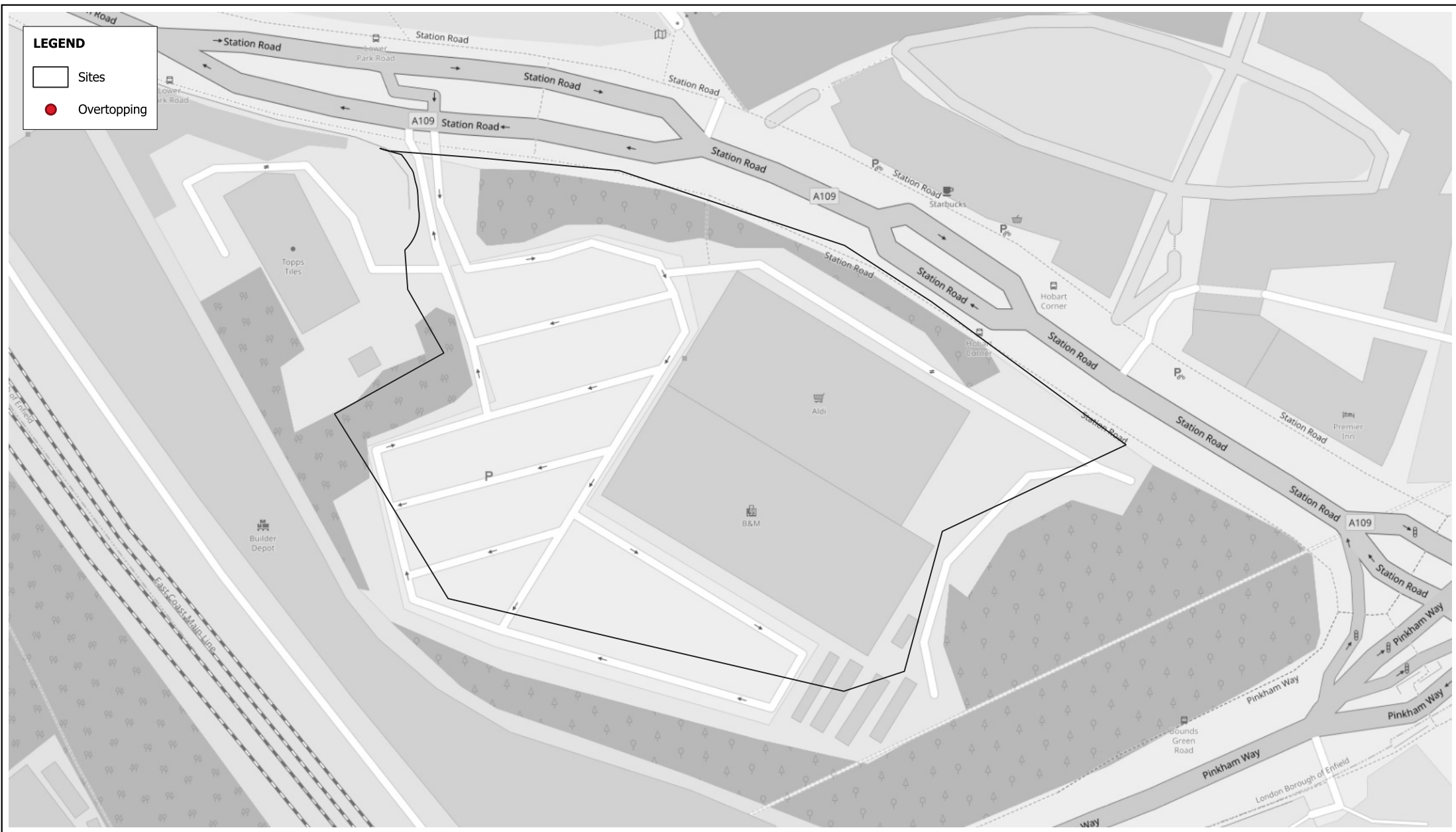
Dataset : EA dataset provided by
 London Borough of Enfield on 02/2016
 Background : OSM 24/10/2024

Figure:
SA7.2 - (18)



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0 10 20 m






LEGEND

-  Sites
-  Overtopping

Overtopping (Canals and other artificial bodies)

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : Canal River Trust dataset
 from 05/2023
 Background : OSM 24/10/2024

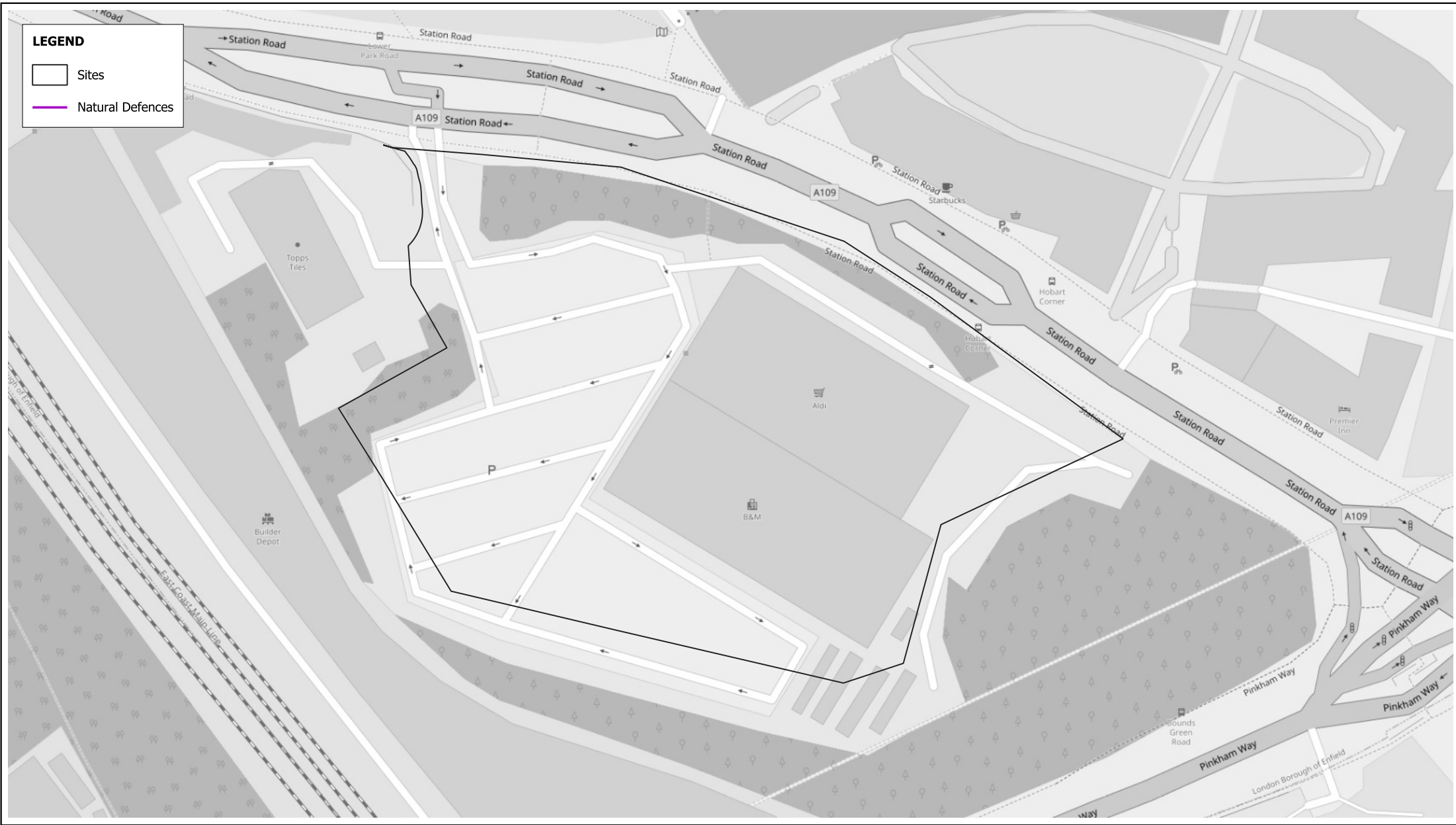
Figure:
SA7.2 - (19)

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LEGEND

- Sites
- Natural Defences



Natural Defences

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : EA dataset provided by London Borough of Enfield on 02/2016
 Background : OSM 24/10/2024

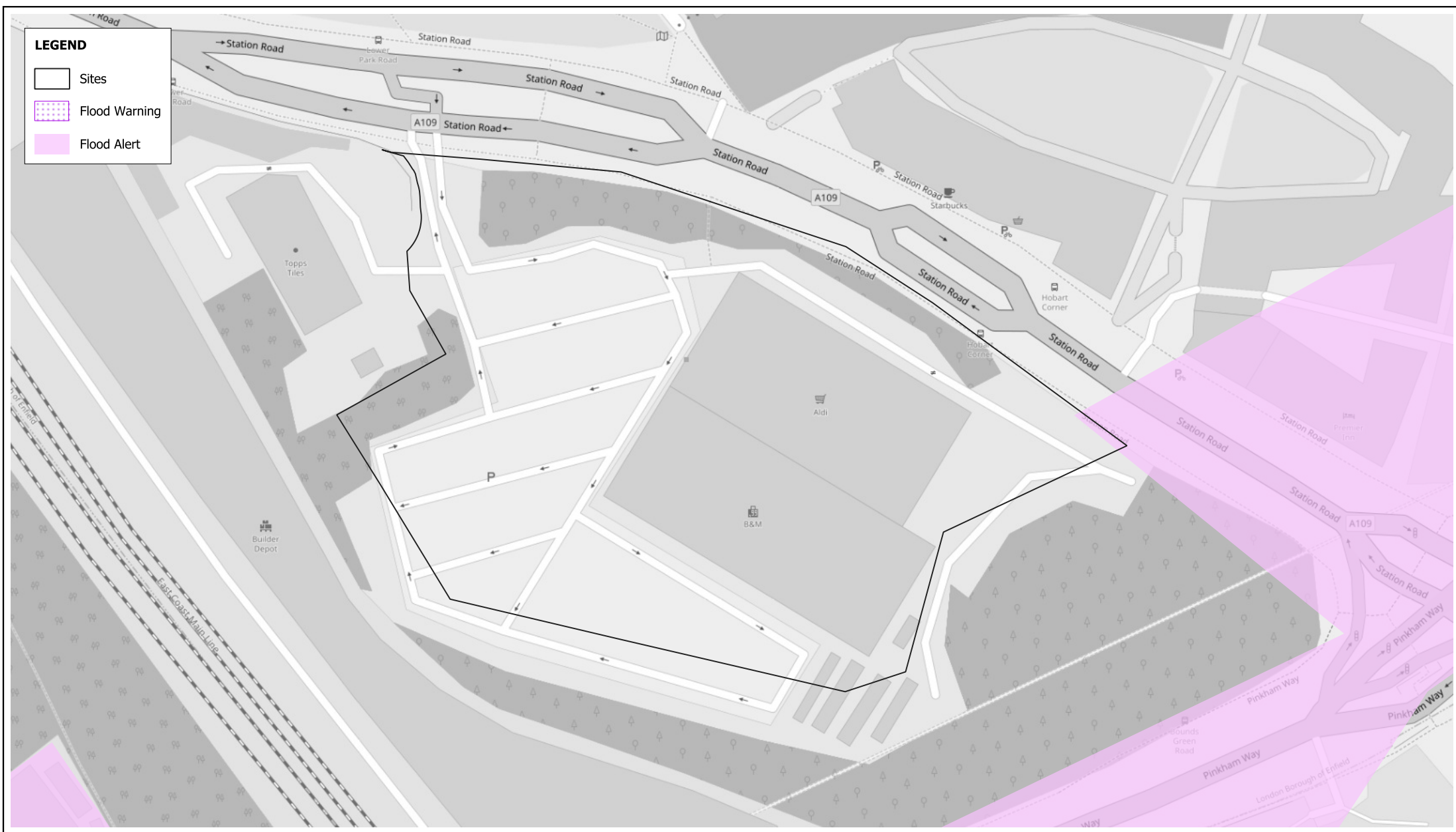
Figure:
SA7.2 - (20)

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0 10 20 m

A black north arrow points upwards. Below it is a scale bar with segments for 0, 10, and 20 meters.





Flood Alert and Flood Warning Areas

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024



Dataset : EA datasets provided by
 London Borough of Enfield in 2015/2016
 Background : OSM 24/10/2024

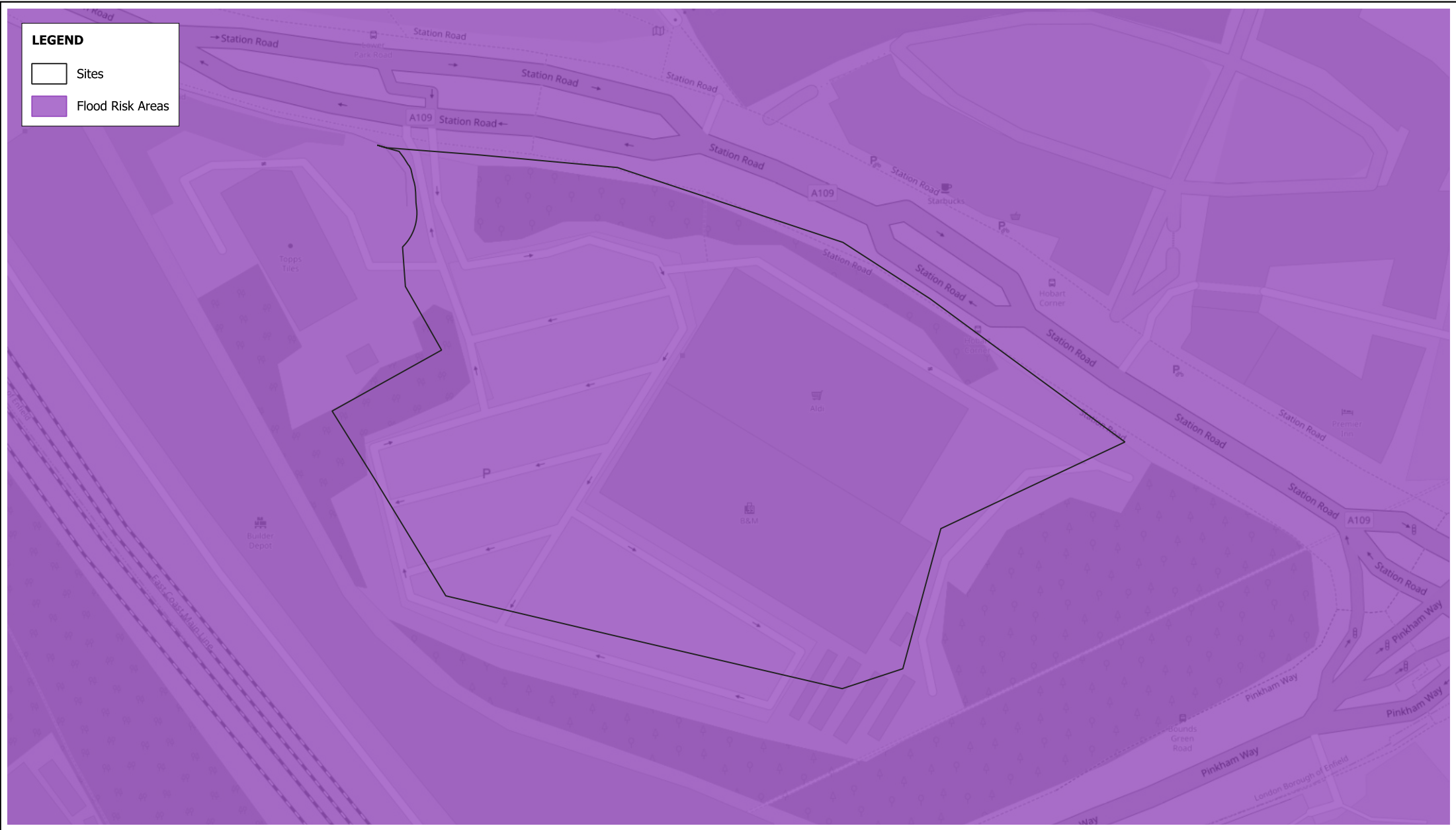
Figure:
SA7.2 - (21)

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LEGEND

-  Sites
-  Flood Risk Areas



Flood Risk Areas

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : EA dataset provided by London Borough of Enfield in 2016
 Background : OSM 24/10/2024

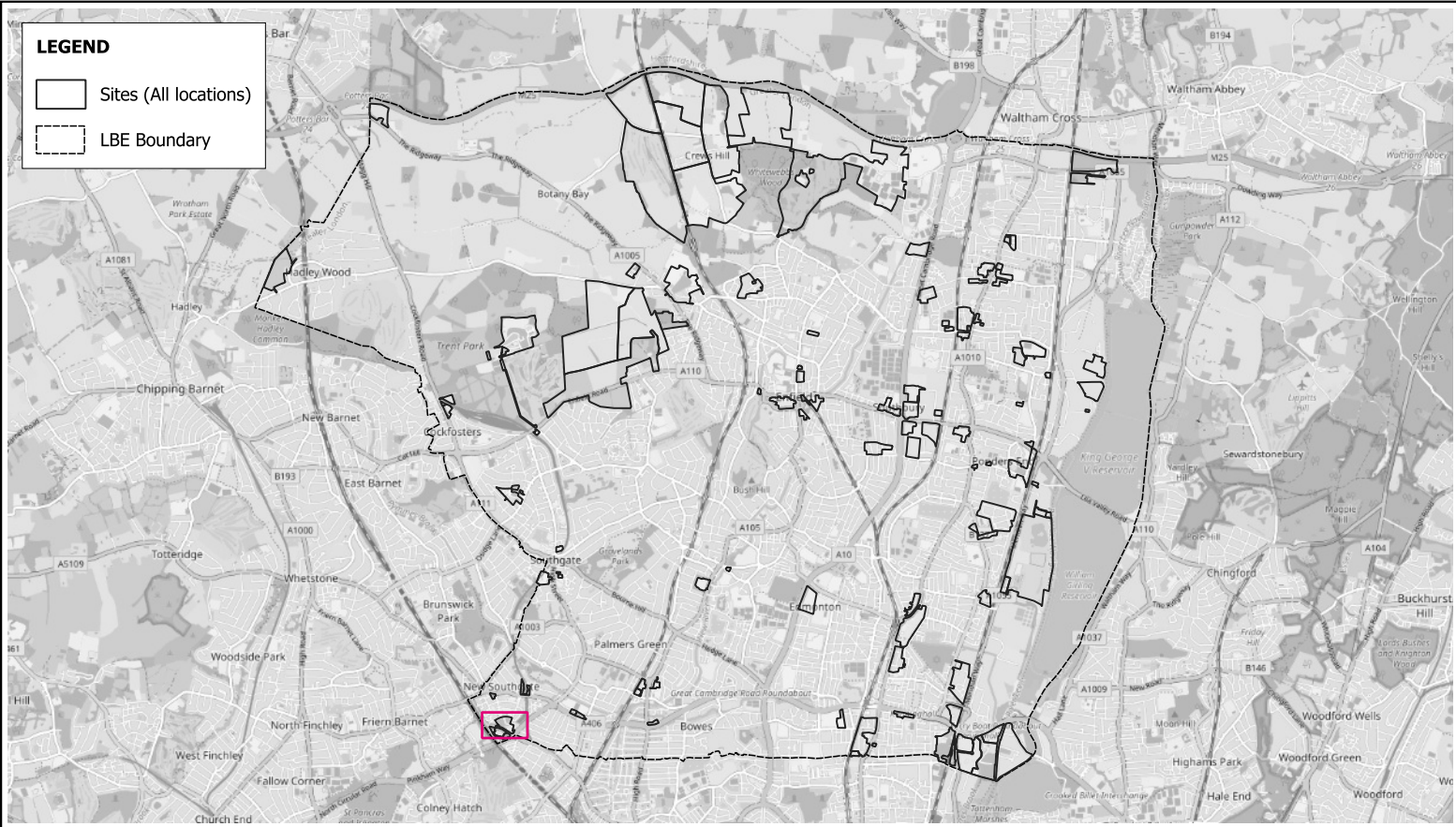
Figure:
SA7.2 - (22)

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A black north arrow pointing upwards is located to the left of a scale bar. The scale bar is marked with '0', '10', and '20 m'.





Site Location	Projection : British National Grid Produced by BMT Production date : 24/10/2024	Dataset : Provided by London Borough of Enfield on 06/2023 Background : OSM 24/10/2024	Figure: SA7.3 - (01)
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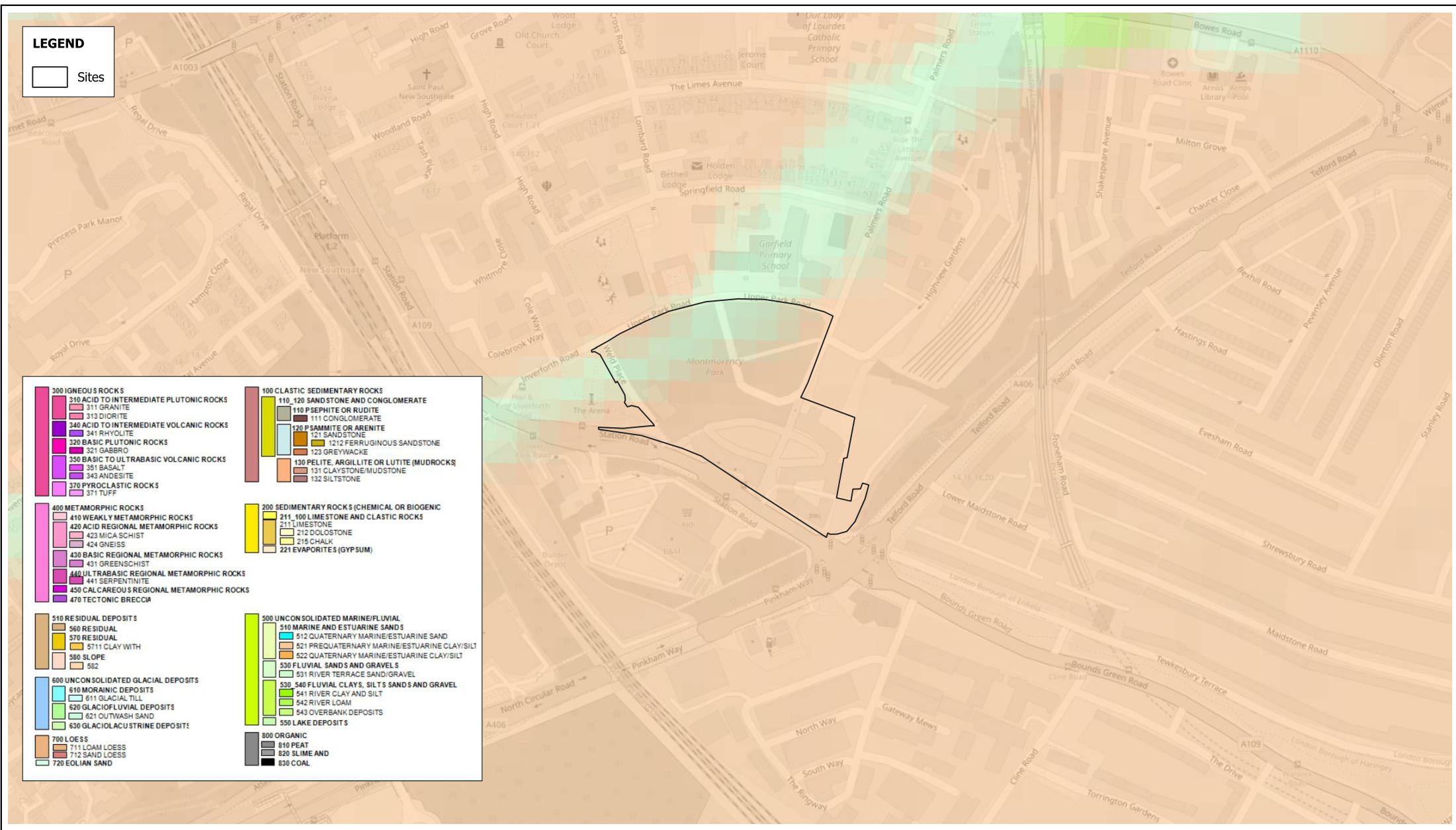
Address	Ladderswood Estate	Flood Zones 2016 (Ha)	FZ 2: 0.23 (7%), FZ 3: 0.19 (6%)
Postcode	N11	Flood Zones 2023 (Ha)	FZ 2: 0.23 (7%), FZ 3: 0.19 (6%), FZ 3b: 0.07 (2%)
Ward	New Southgate	Fluvial Flooding (1 in 100 year + 17% CC) (Ha)	0.08 (2%)
Proposed development	Housing and Mixed Use	Surface Water Flooding (1 in 100 year) (Ha)	0.23 (7%)
Area (Ha)	3.42	Pluvial Flooding (1 in 100 year + 17% CC) (Ha)	0.15 (4%)
Watercourses	Within 200m of watercourse	Risk of Flooding from Reservoirs (Wet Day) (Ha)	High Risk: None, Not High Risk: None
Areas Benefitting from Flood Defences (Ha)	0 (0%)	Risk of Flooding from Reservoirs (Fluvial) (Ha)	None
Groundwater Susceptibility (Ha)	<25%: 0.94 (27%) ≥ 25 < 50%: 2.49 (73%)	Risk of Flooding from Reservoirs (Dry Day) (Ha)	None
Minor and Major Resource Coverage (Ha)	Major: 0 (0%), Minor: 1.18 (34%)	Historic Flooding (Ha)	0 (0%)
Resource Classifications	Minor H	Overtopping Locations	No overtopping has occurred within site
Flood Risk Area (Ha)	3.42 (100%)	Flood Defences	No defences within site
Risk of Flooding from Rivers and Sea (Ha)	High: None, Medium: 0 (0%), Low: None, Very Low: None	Flood Alert and Warning (Ha)	Alert: 0.31 (9%), Warning: 0 (0%)

Comments: This site is proposed for residential and mixed-use development. Sections of the site that are within Flood Zone 2 and Flood Zone 3 are covered by exclusion zones and will only be used for water compatible development. The site has planning approval under the reference P12-02202PLA.

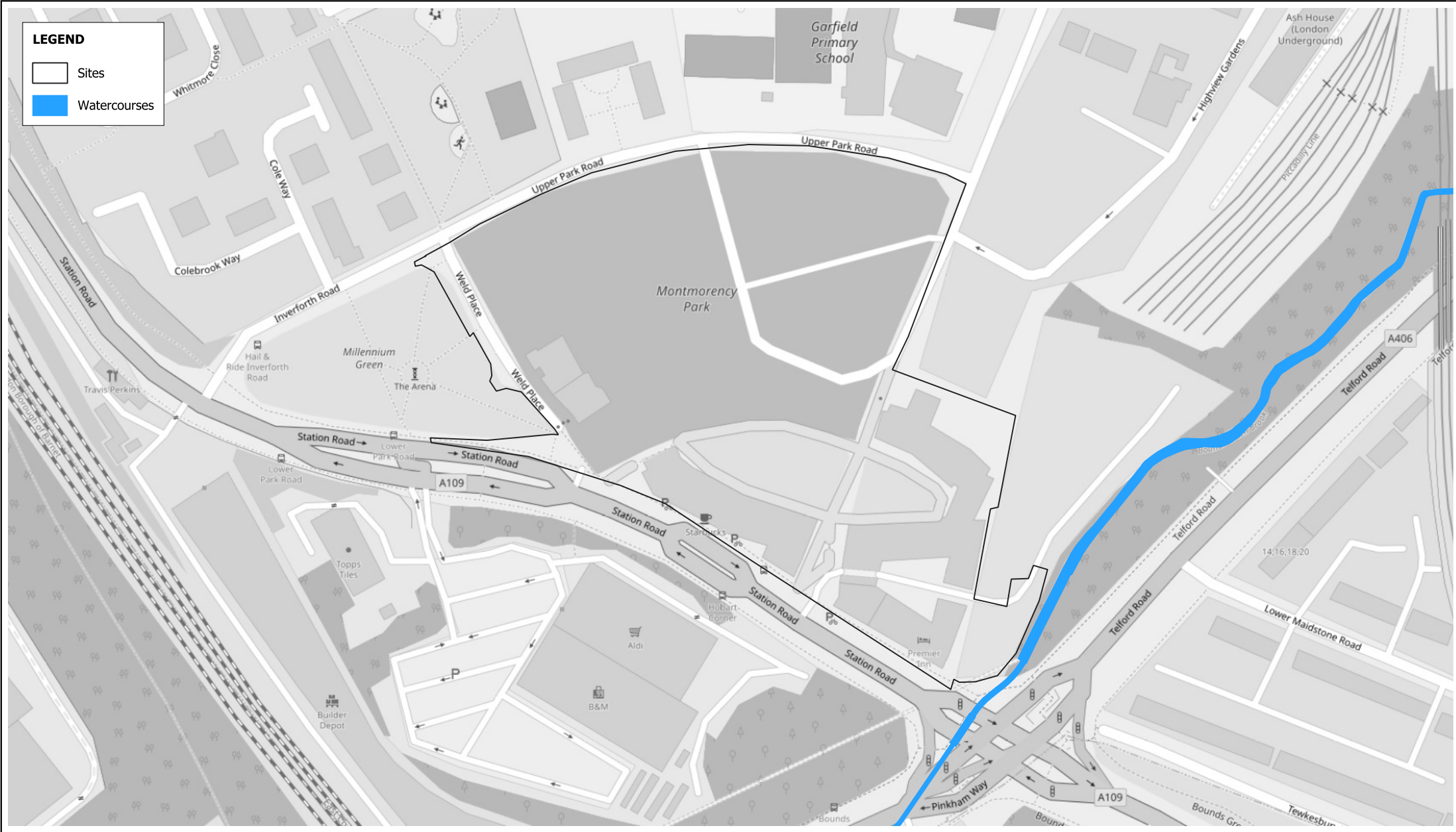
LEGEND

□ Sites

300 IGNEOUS ROCKS	400 METAMORPHIC ROCKS	500 UNCONSOLIDATED MARINE/FLUVIAL	800 ORGANIC
310 ACID TO INTERMEDIATE PLUTONIC ROCKS	410 WEAKLY METAMORPHIC ROCKS	510 MARINE AND ESTUARINE SANDS	810 PEAT
311 GRANITE	420 ACID REGIONAL METAMORPHIC ROCKS	512 QUATERNARY MARINE/ESTUARINE SAND	820 SLIME AND
313 DIORITE	423 MICA SCHIST	521 PREQUATERNARY MARINE/ESTUARINE CLAY/SILT	830 COAL
340 ACID TO INTERMEDIATE VOLCANIC ROCKS	430 BASIC REGIONAL METAMORPHIC ROCKS	522 QUATERNARY MARINE/ESTUARINE CLAY/SILT	
341 RHYOLITE	431 GREENSCHIST	530 FLUVIAL SANDS AND GRAVELS	
320 BASIC PLUTONIC ROCKS	440 ULTRABASIC REGIONAL METAMORPHIC ROCKS	531 RIVER TERRACE SAND/GRAVEL	
321 GABBRO	441 SERPENTINITE	530 340 FLUVIAL CLAYS, SILTS SANDS AND GRAVEL	
350 BASIC TO ULTRABASIC VOLCANIC ROCKS	450 CALCAREOUS REGIONAL METAMORPHIC ROCKS	541 RIVER CLAY AND SILT	
351 BASALT	470 TECTONIC BRECCIA	542 RIVER LOAM	
343 ANDESITE		543 OVERBANK DEPOSITS	
370 PYROCLASTIC ROCKS		550 LAKE DEPOSITS	
371 TUFF			
100 CLASTIC SEDIMENTARY ROCKS	200 SEDIMENTARY ROCKS (CHEMICAL OR BIOGENIC)		
110 SANDSTONE AND CONGLOMERATE	211 100 LIMESTONE AND CLASTIC ROCKS		
111 CONGLOMERATE	211 LIMESTONE		
120 PSEPHITE OR RUDITE	212 DOLOSTONE		
121 SANDSTONE	215 CHALK		
1212 FERRUGINOUS SANDSTONE	221 EVAPORITES (GYPSUM)		
123 GREYWACKE			
130 PELITE, ARGILLITE OR LUTITE (MUDROCKS)			
131 CLAYSTONE/MUDSTONE			
132 SILTSTONE			



<p>Soil Classification</p>	<p>Projection : British National Grid Produced by BMT Production date : 24/10/2024</p>	<p>Dataset : Downloaded by BMT from UK Soil in 2023 Background : OSM 24/10/2024</p>	<p>Figure: SA7.3 - (02)</p>
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Main Watercourses

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : Provided by
 London Borough of Enfield on 05/2016
 Background : OSM 24/10/2024

Figure: **SA7.3 - (03)**




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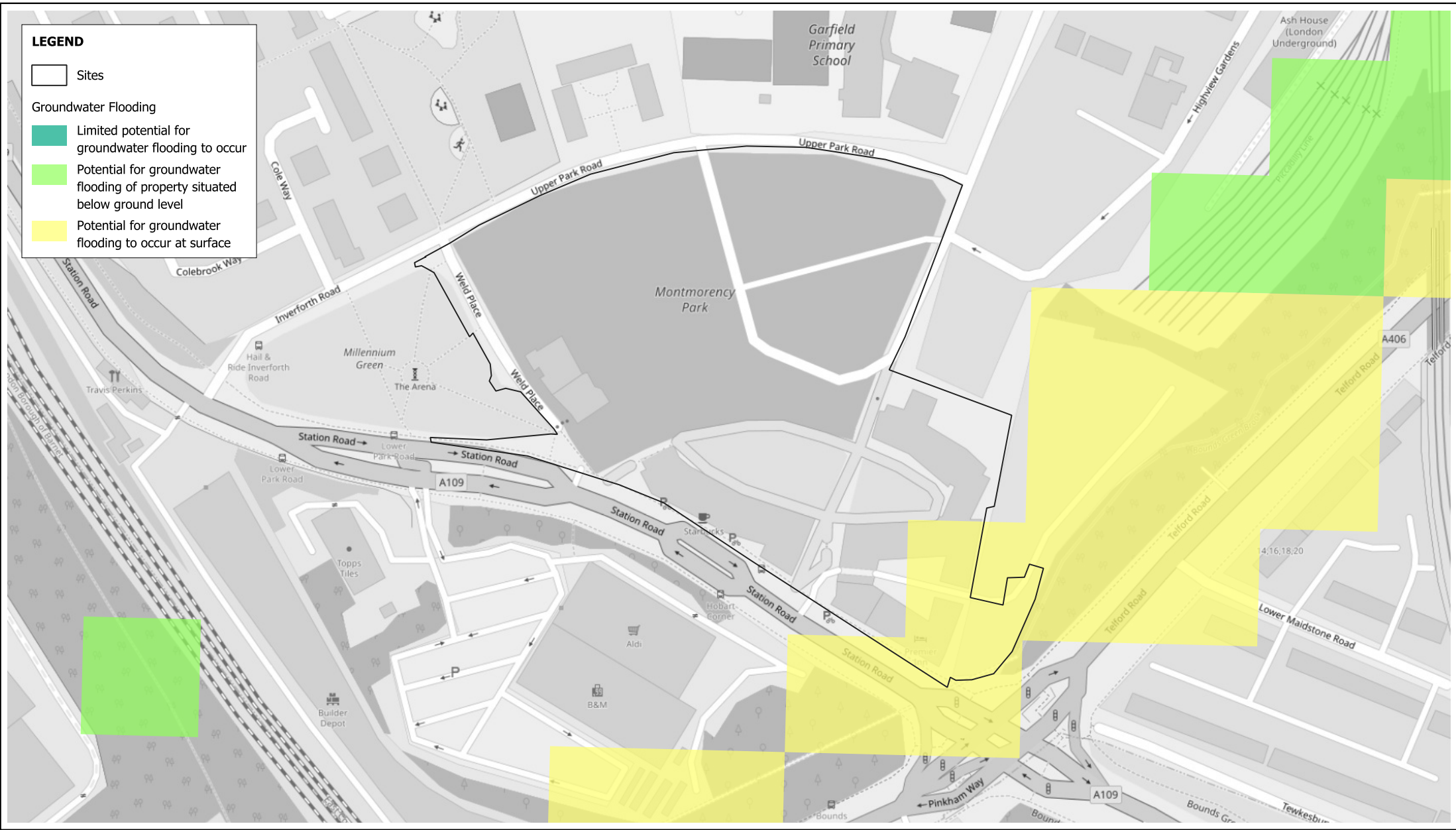


LEGEND

□ Sites

Groundwater Flooding

-  Limited potential for groundwater flooding to occur
-  Potential for groundwater flooding of property situated below ground level
-  Potential for groundwater flooding to occur at surface



Groundwater Flooding

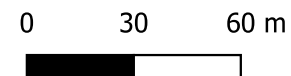
Projection : British National Grid
Produced by BMT
Production date : 24/10/2024

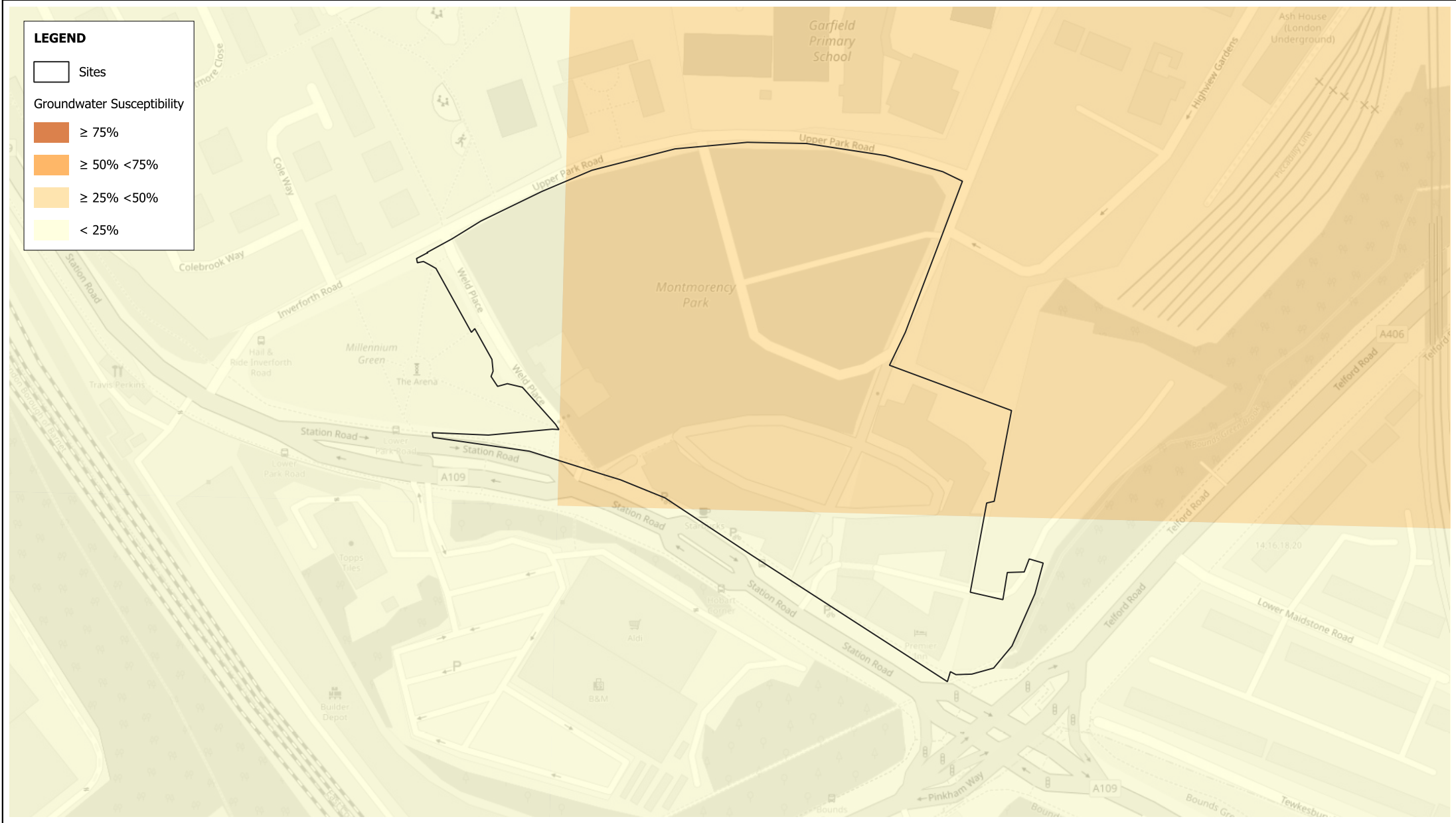
Dataset : BGS dataset received by
BMT on 06/2023
Background : OSM 24/10/2024

Figure:

SA7.3 - (04)

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LEGEND

- Sites
- Groundwater Susceptibility
- ≥ 75%
- ≥ 50% < 75%
- ≥ 25% < 50%
- < 25%

Groundwater Susceptibility

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : EA dataset provided by
 London Borough of Enfield on 02/2016
 Background : OSM 24/10/2024

Figure:
SA7.3 - (05)

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0

30

60 m





Groundwater Resources

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024





Dataset : EA dataset provided by London Borough of Enfield on 02/2016
 Background : OSM 24/10/2024

Figure:
SA7.3 - (06)

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LEGEND

-  Sites
- Groundwater Vulnerability
 -  Minor_H
 -  Minor_I
 -  Minor_L



Groundwater Vulnerability

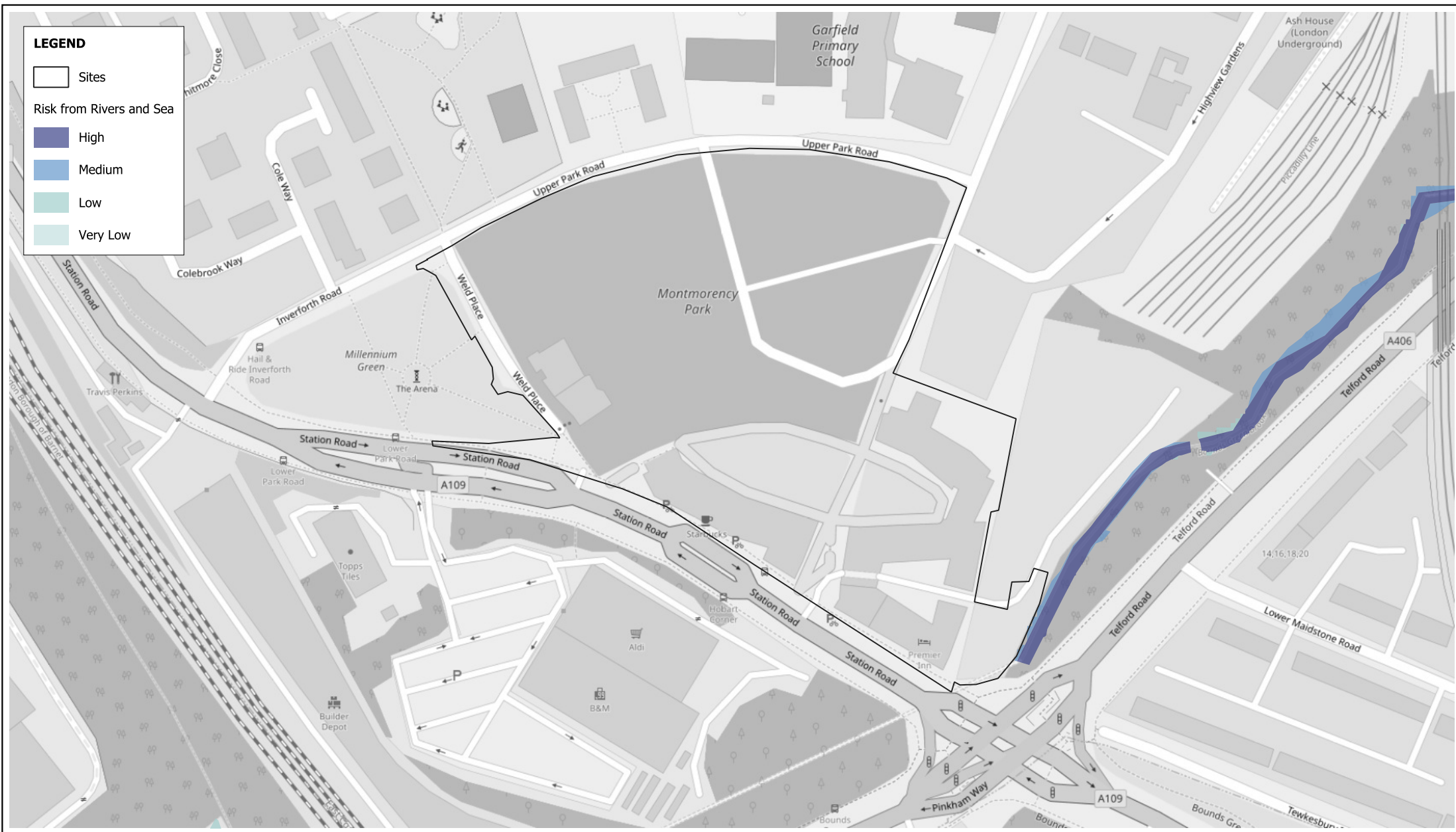
Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : EA dataset provided by London Borough of Enfield on 02/2016
 Background : OSM 24/10/2024

Figure:
SA7.3 - (07)

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LEGEND

- Sites
- Risk from Rivers and Sea
 - High
 - Medium
 - Low
 - Very Low

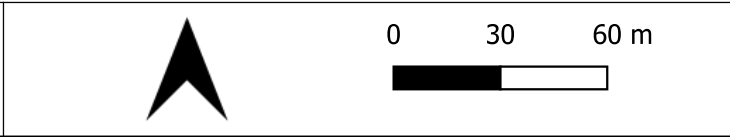
Risk from Rivers and Sea

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024





Dataset : EA dataset provided by London Borough of Enfield on 02/2016
 Background : OSM 24/10/2024

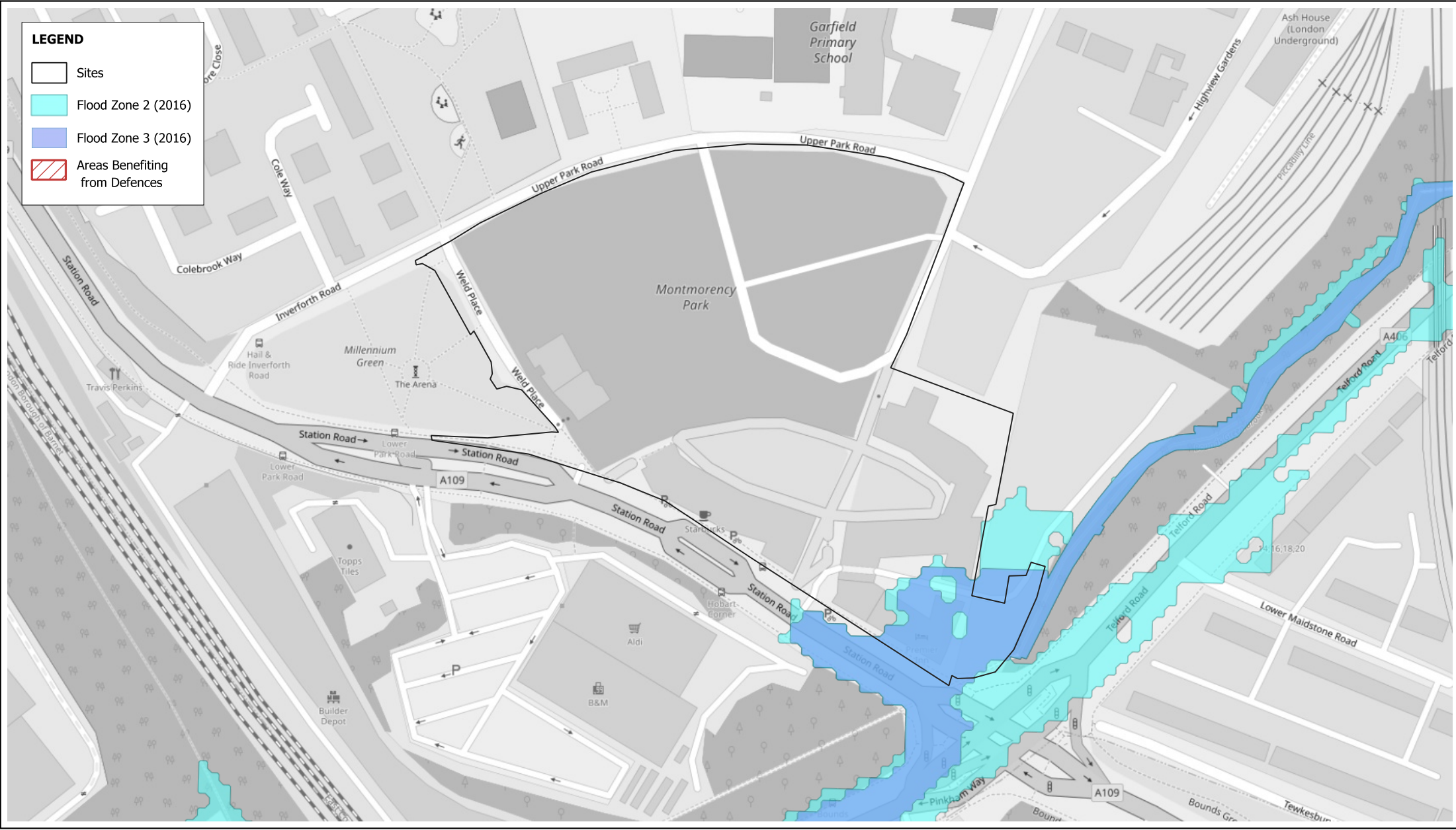
Figure:
SA7.3 - (08)

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LEGEND

-  Sites
-  Flood Zone 2 (2016)
-  Flood Zone 3 (2016)
-  Areas Benefiting from Defences



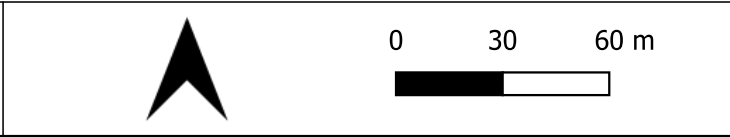
Flood Zones (provided 2016)

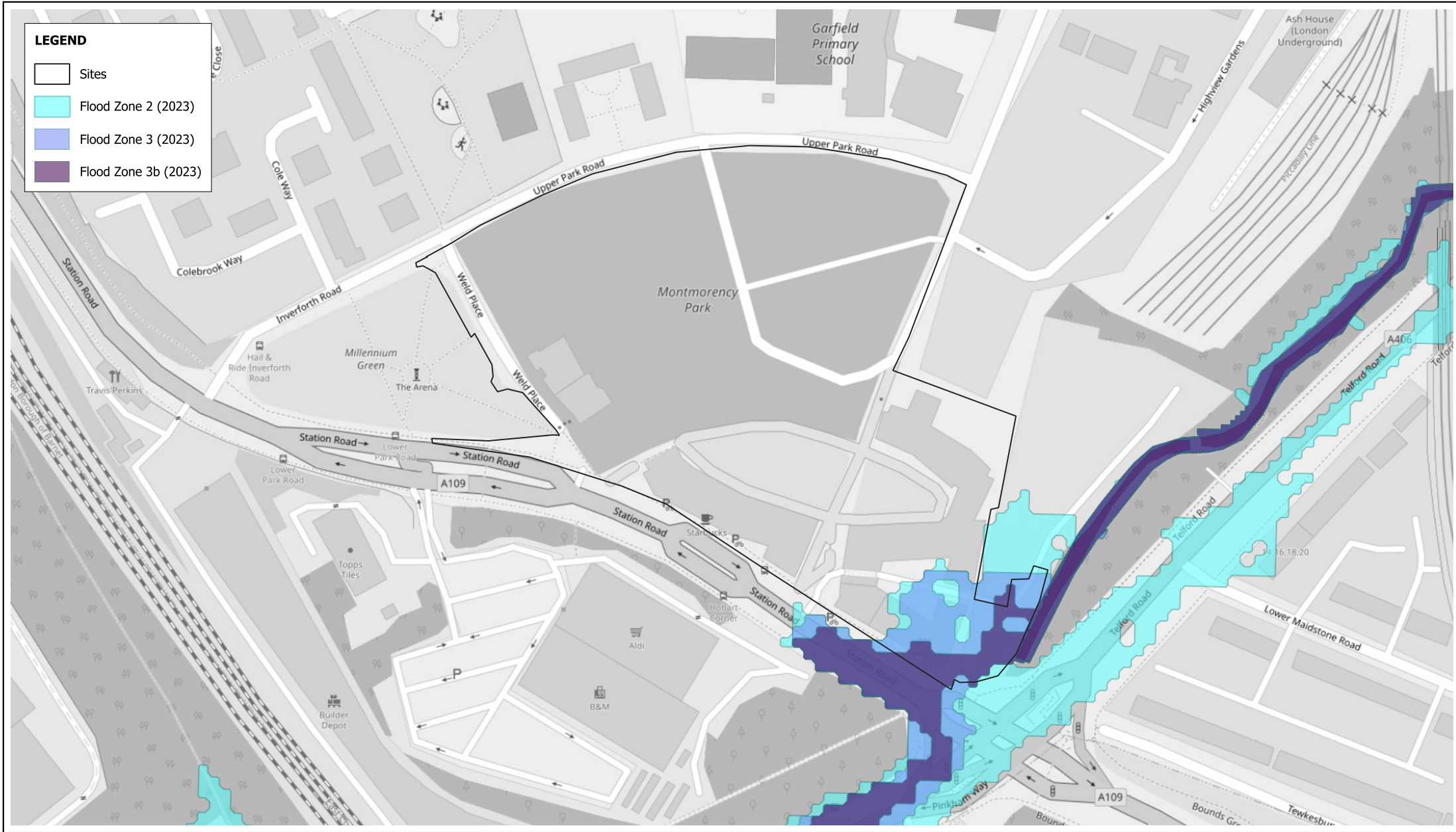
Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : EA datasets provided by London Borough of Enfield on 02/2016
 Background : OSM 24/10/2024

Figure:
SA7.3 - (09)

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LEGEND

- Sites
- Flood Zone 2 (2023)
- Flood Zone 3 (2023)
- Flood Zone 3b (2023)

Flood Zones (provided 2023)

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : EA datasets provided by
 London Borough of Enfield on 05/2023
 Background : OSM 24/10/2024





Figure:
SA7.3 - (10)

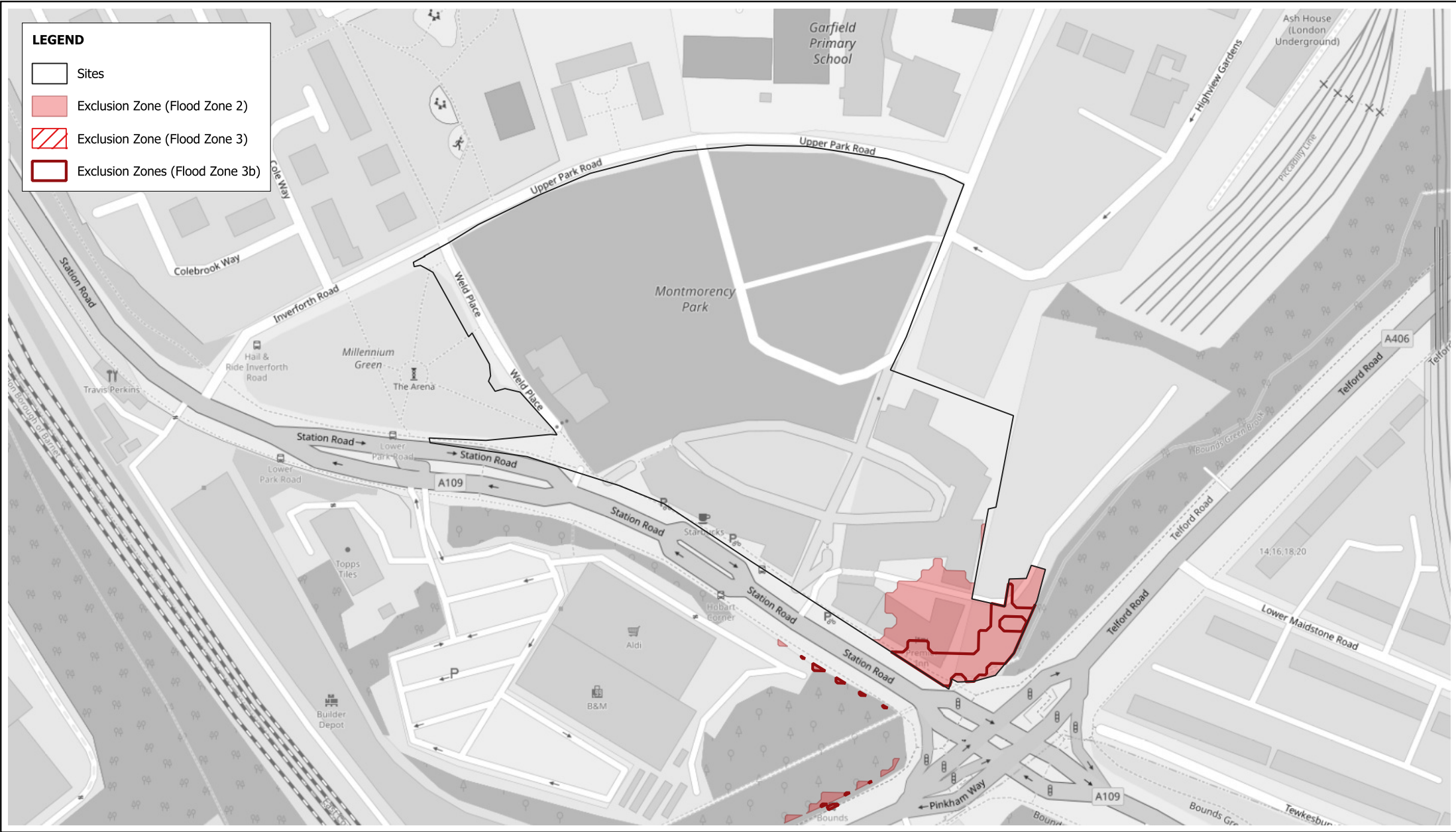
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0 30 60 m



LEGEND

-  Sites
-  Exclusion Zone (Flood Zone 2)
-  Exclusion Zone (Flood Zone 3)
-  Exclusion Zones (Flood Zone 3b)



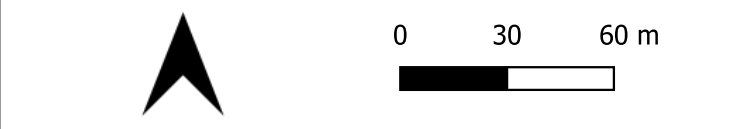
Exclusion Zones

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024



Dataset : EA datasets provided by London Borough of Enfield on 05/2023
 Background : OSM 24/10/2024

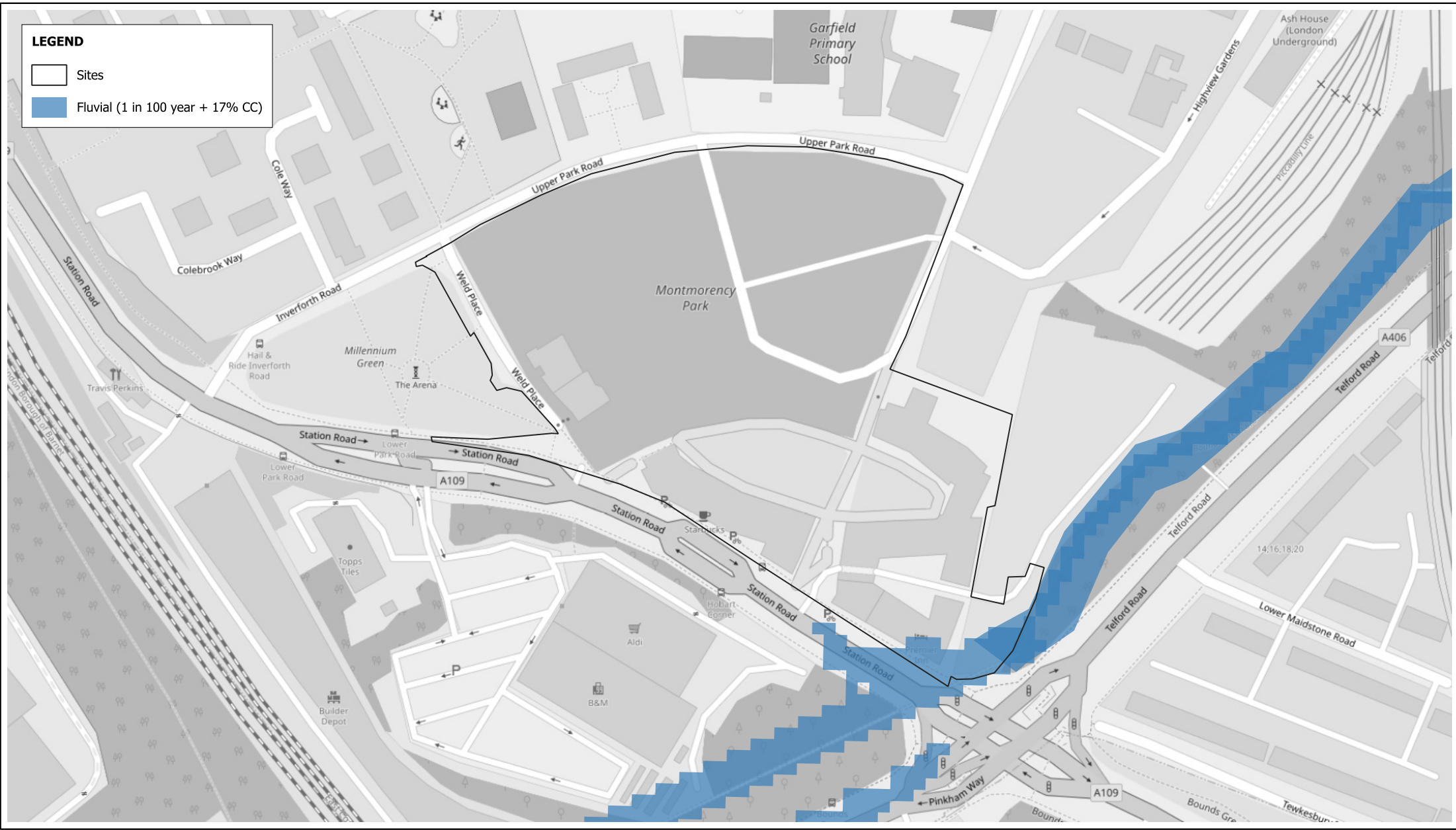
Figure:
SA7.3 - (11)

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LEGEND

-  Sites
-  Fluvial (1 in 100 year + 17% CC)



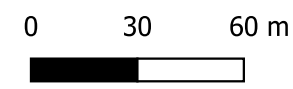
Fluvial Flooding (1 in 100 year + 17% CC)

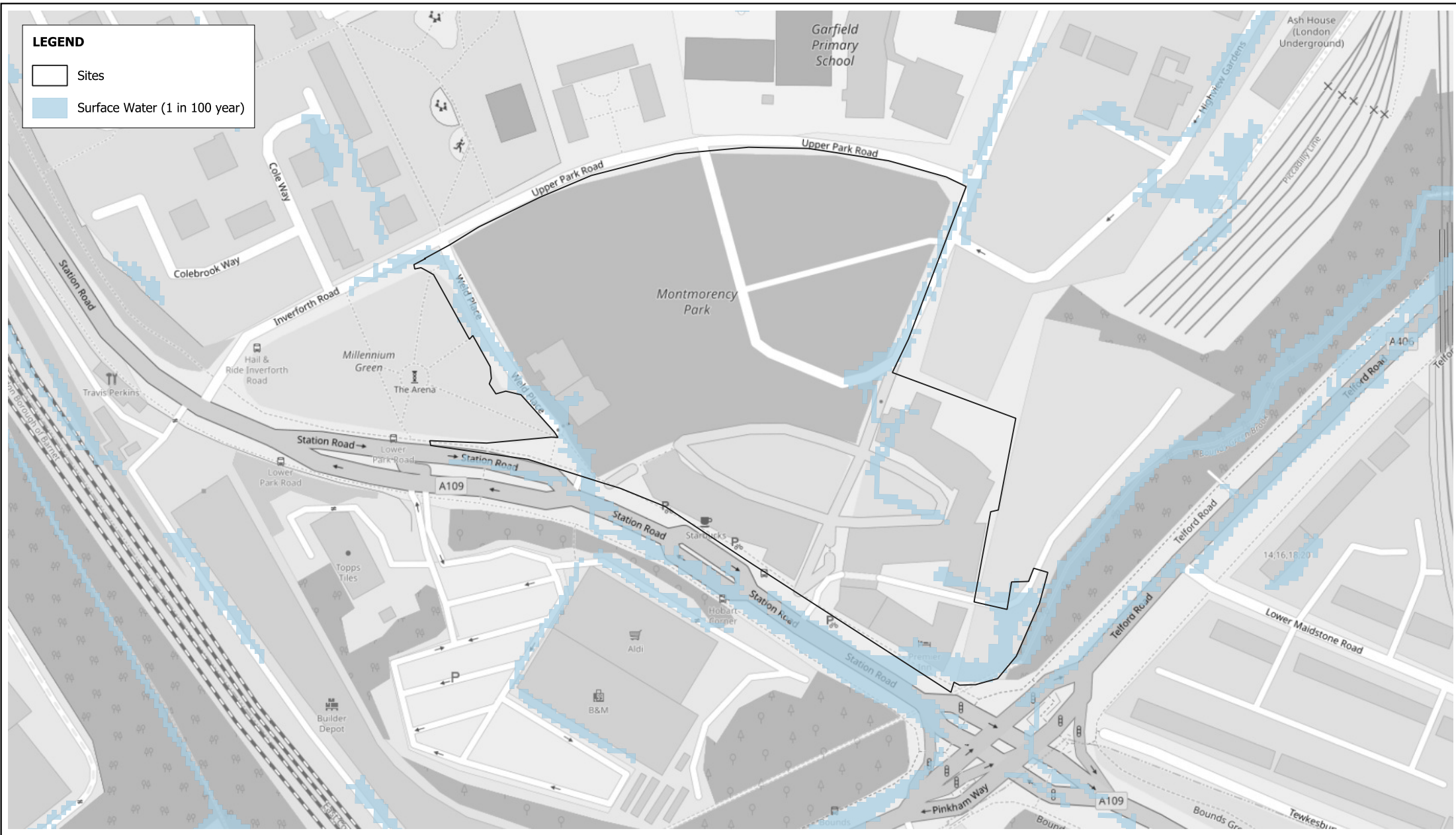
Projection : British National Grid
Produced by BMT
Production date : 24/10/2024

Dataset : Provided by
London Borough of Enfield on 05/2023
Background : OSM 24/10/2024

Figure:
SA7.3 - (12)

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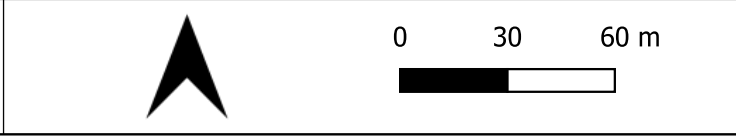
Surface Water Flooding (1 in 100 year)

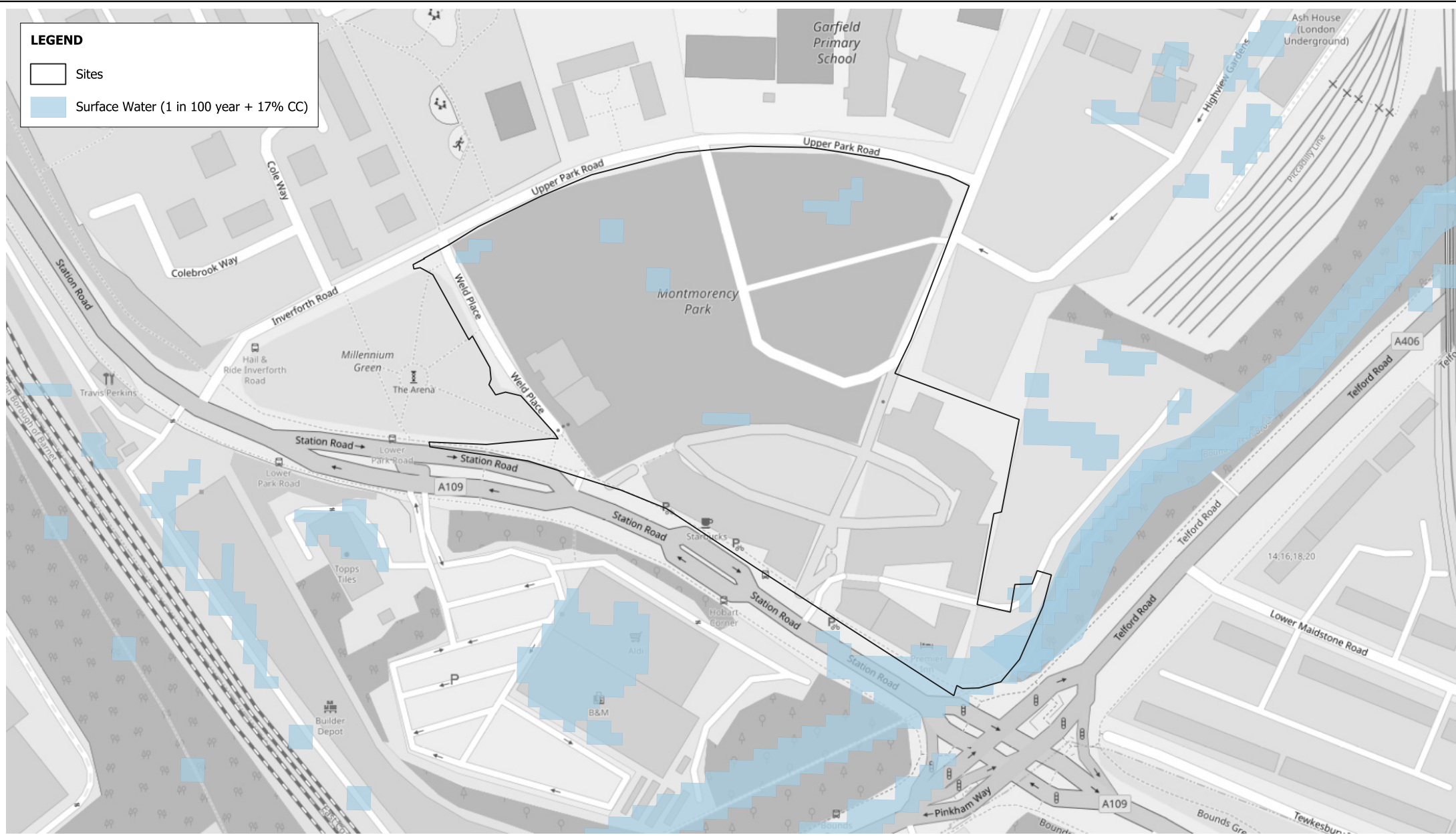
Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : Provided by
 London Borough of Enfield on 05/2023
 Background : OSM 24/10/2024

Figure:
SA7.3 - (13)

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Surface Water Flooding (1 in 100 year + 17% CC)

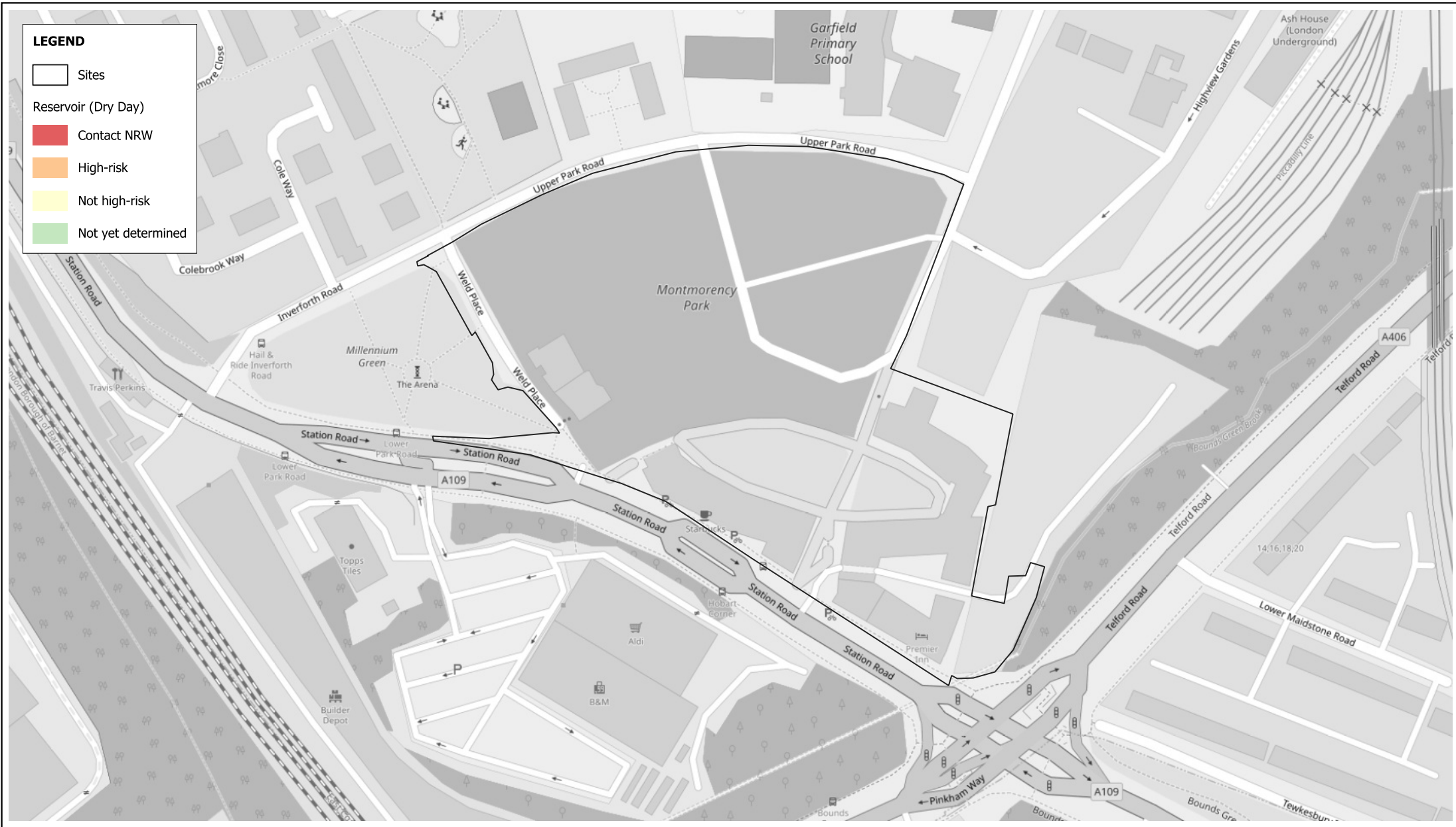
Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : Provided by
 London Borough of Enfield on 05/2023
 Background : OSM 24/10/2024

Figure:
SA7.3 - (14)

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Risk of Flooding from Reservoirs (Dry Day)

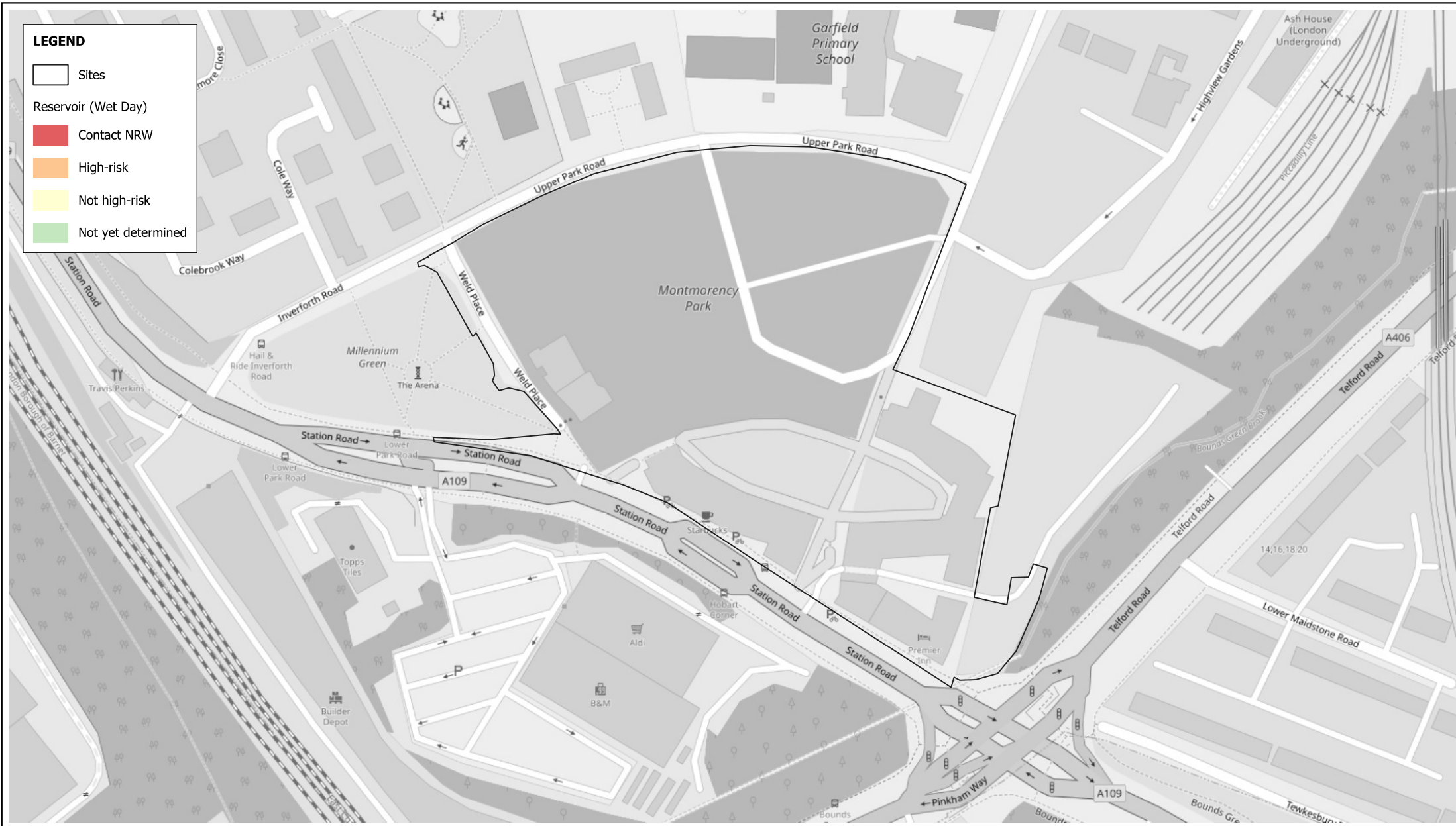
Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : EA dataset from 05/2023
 Background : OSM 24/10/2024

Figure:
SA7.3 - (15)

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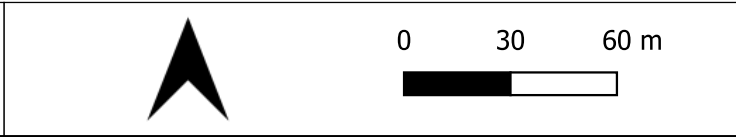
Risk of Flooding from Reservoirs (Wet Day)

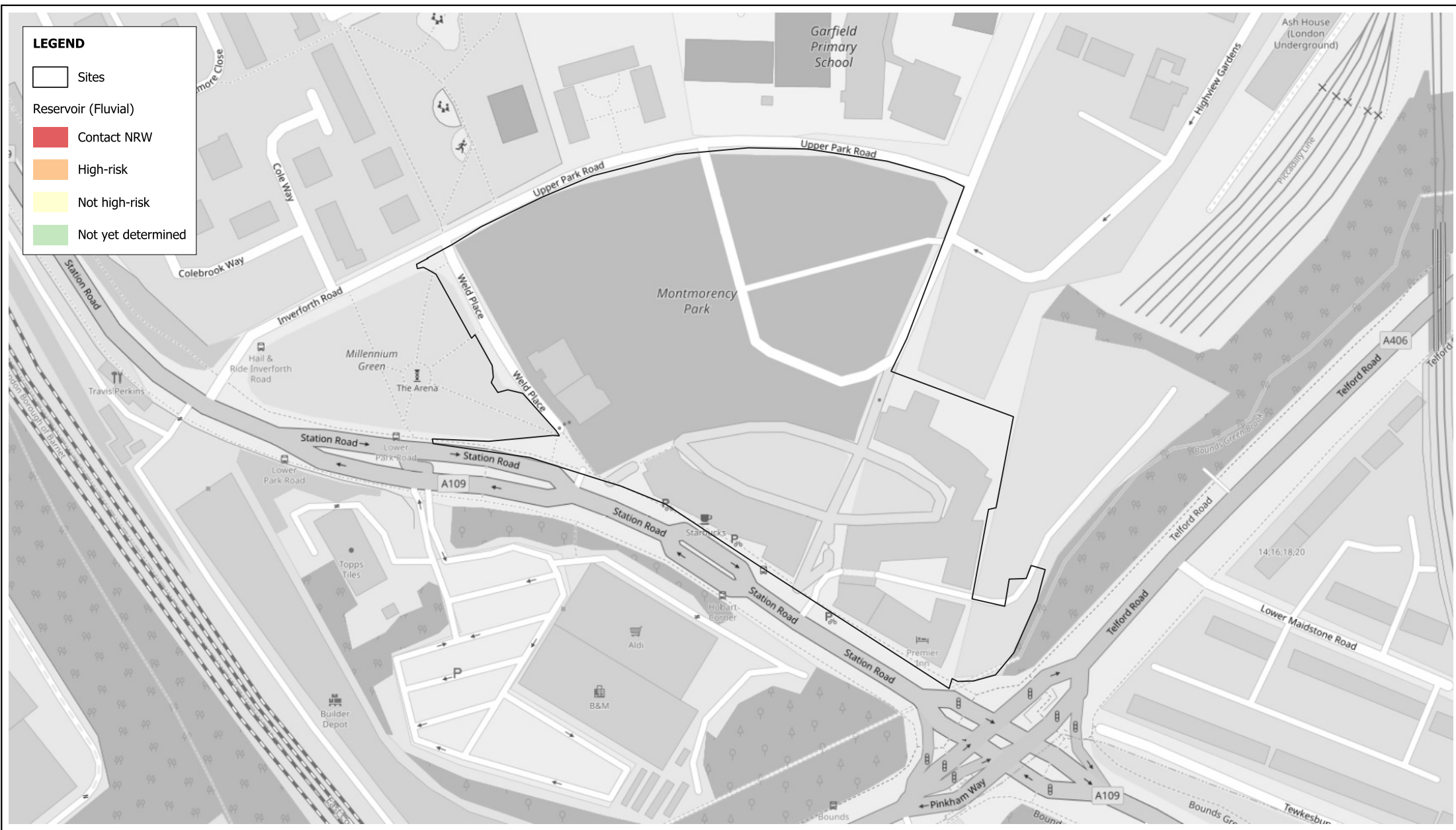
Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : EA dataset from 05/2023
 Background : OSM 24/10/2024

Figure:
SA7.3 - (16)

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LEGEND

- Sites
- Reservoir (Fluvial)
- Contact NRW
- High-risk
- Not high-risk
- Not yet determined

Risk of Flooding from Reservoirs (Fluvial)

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

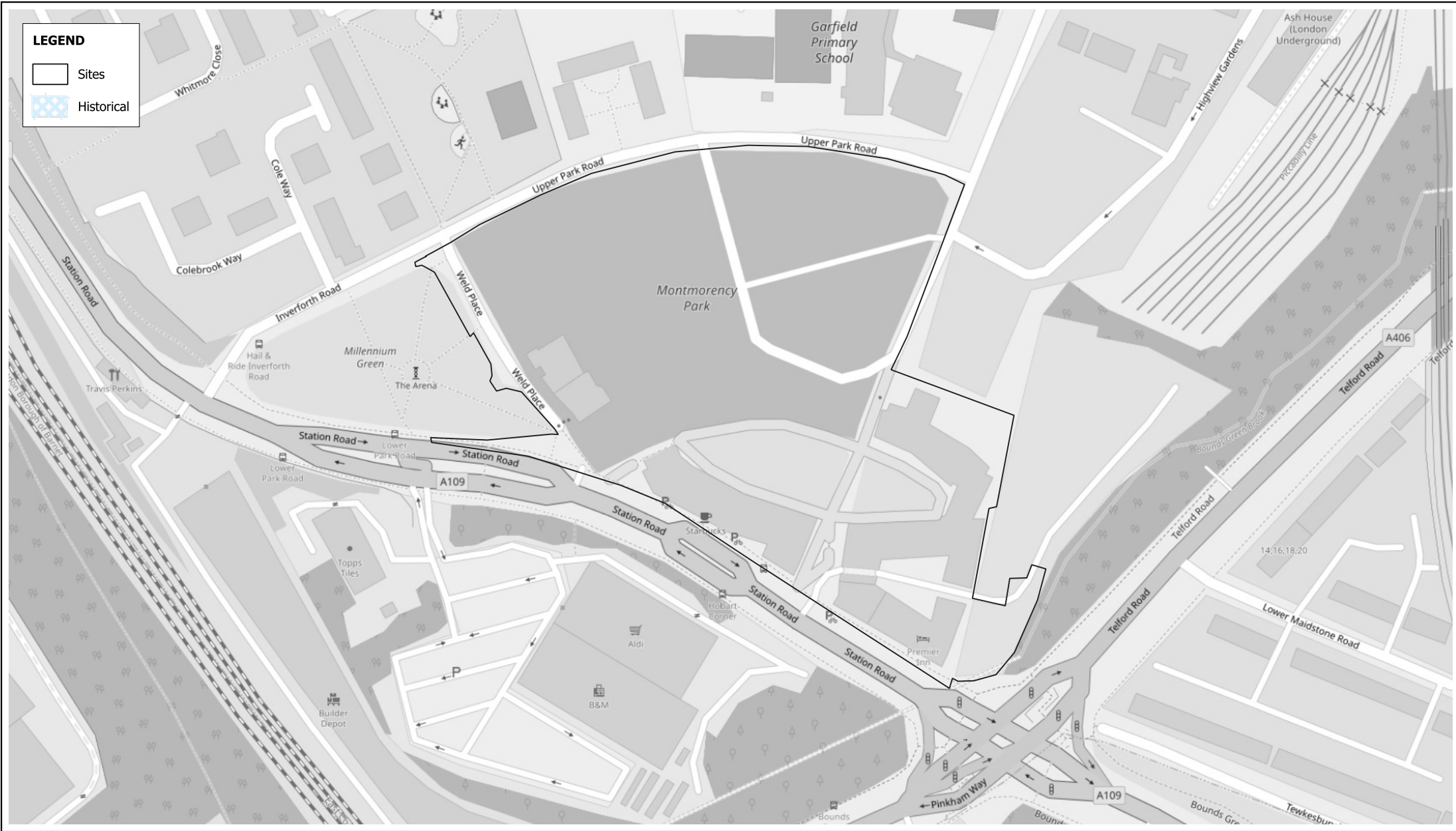
Dataset : EA dataset from 05/2023
 Background : OSM 24/10/2024

Figure:
SA7.3 - (17)

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0 30 60 m





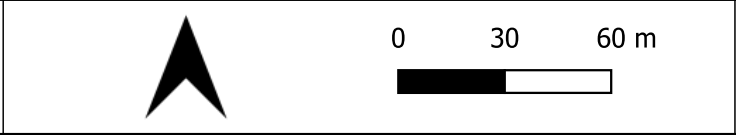
Historic Flood Areas

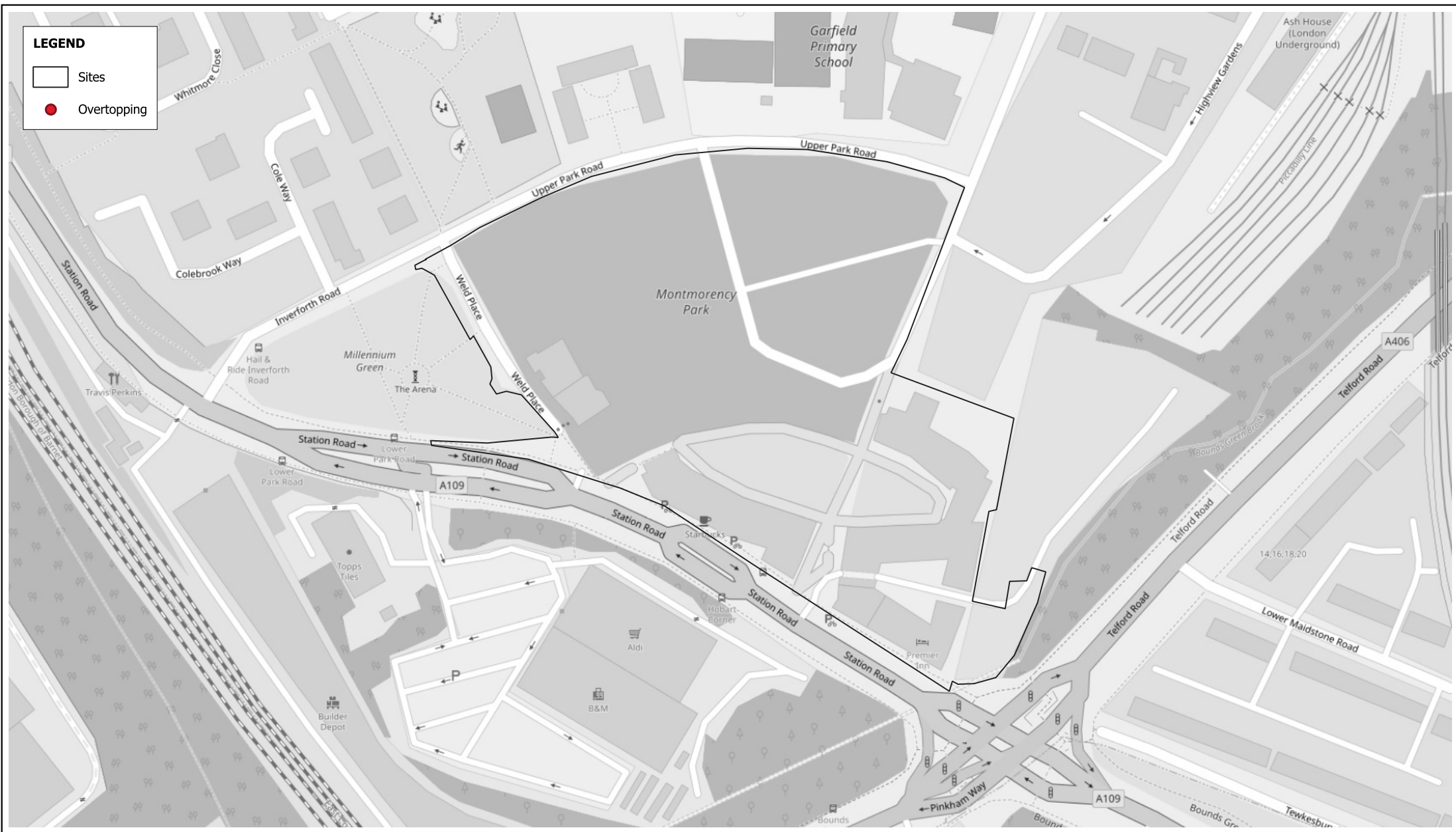
Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : EA dataset provided by
 London Borough of Enfield on 02/2016
 Background : OSM 24/10/2024

Figure:
SA7.3 - (18)

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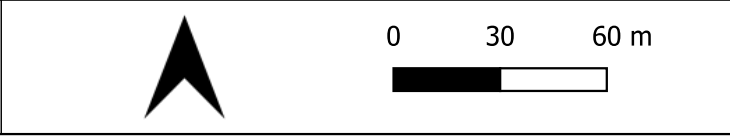
Overtopping (Canals and other artificial bodies)

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : Canal River Trust dataset
 from 05/2023
 Background : OSM 24/10/2024

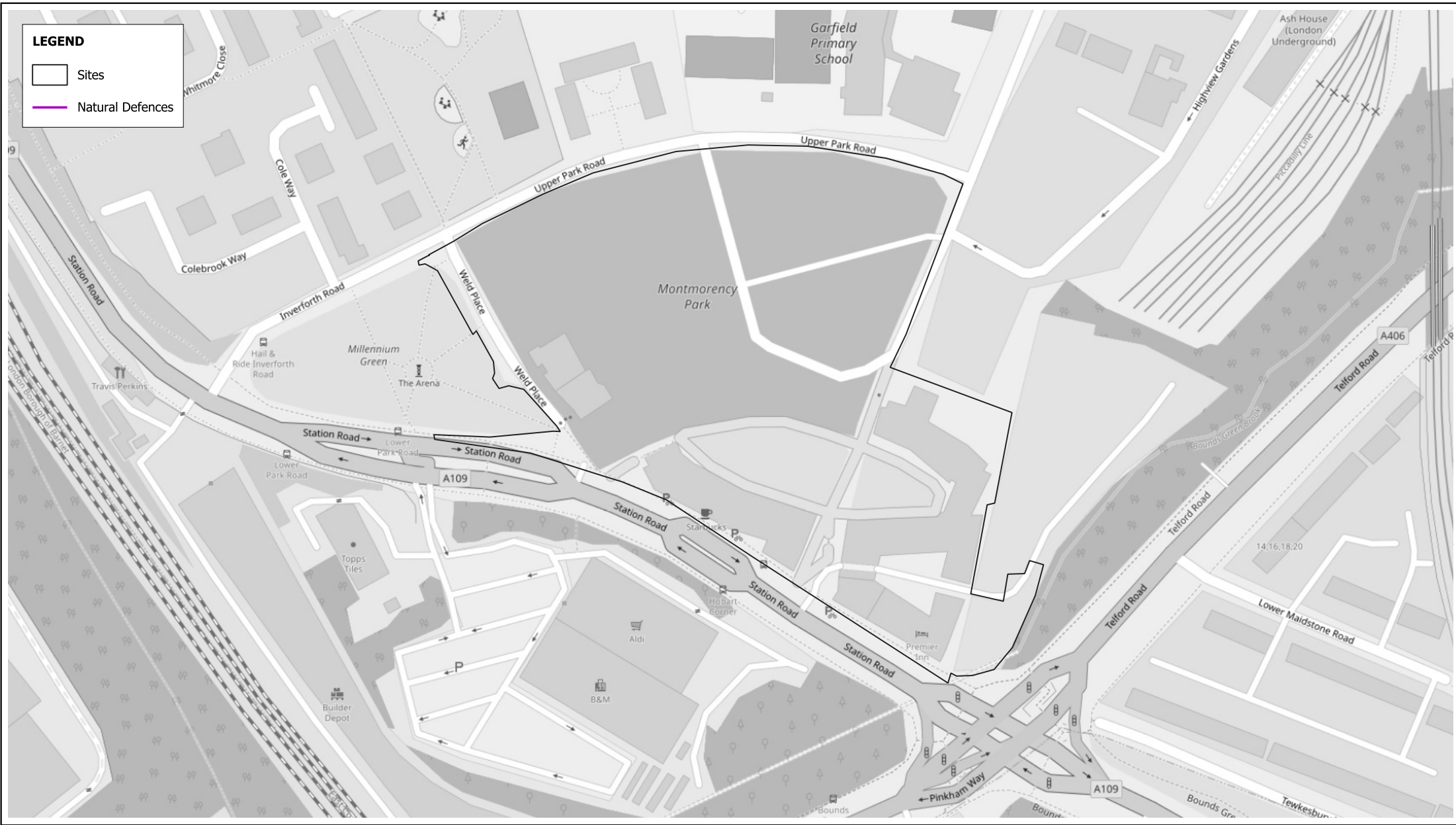
Figure:
SA7.3 - (19)

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LEGEND

- Sites
- Natural Defences



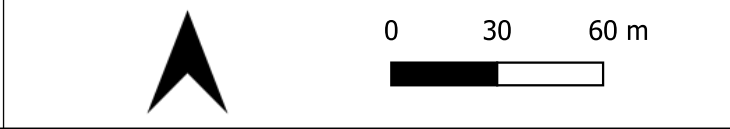
Natural Defences

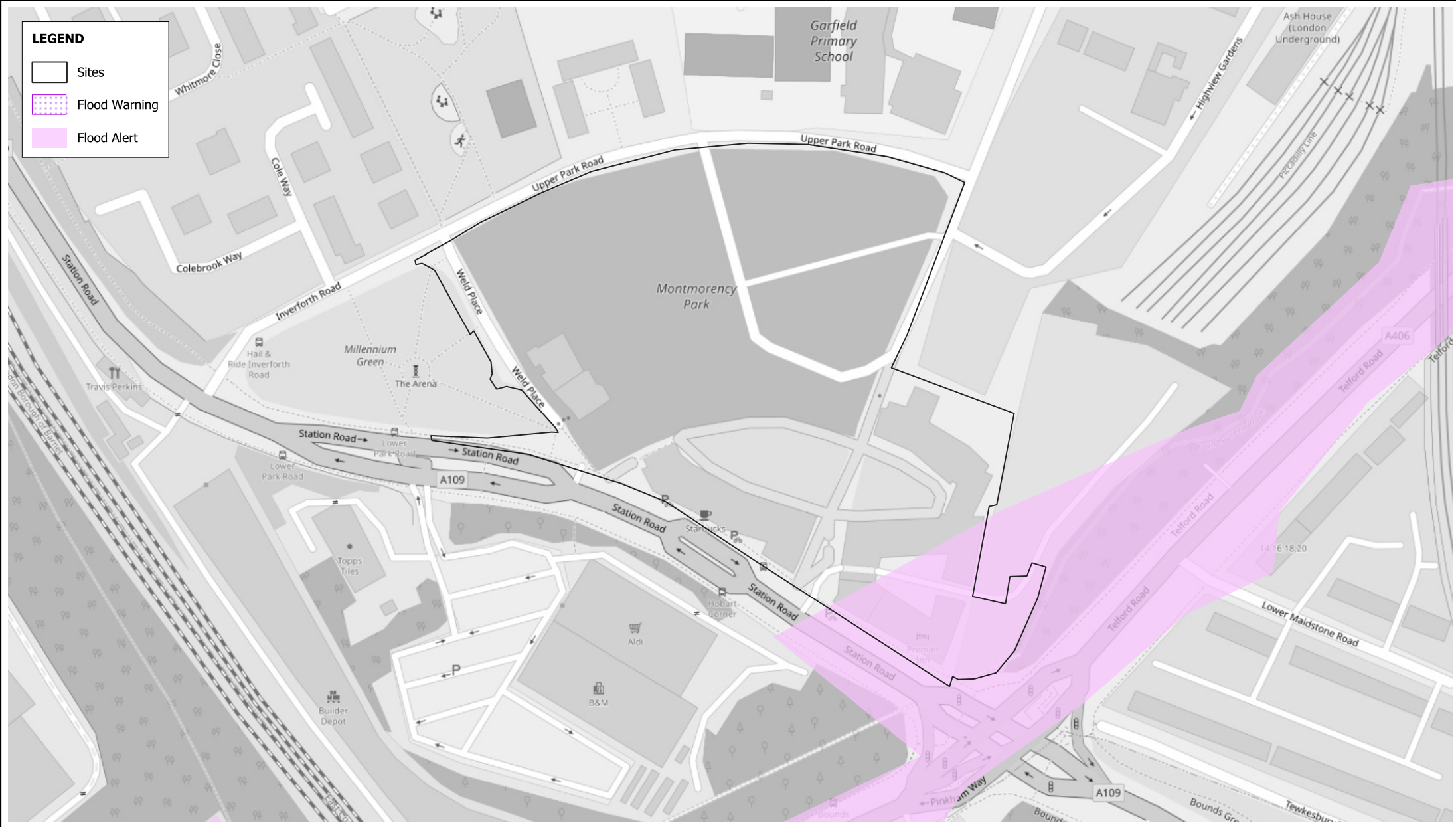
Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : EA dataset provided by London Borough of Enfield on 02/2016
 Background : OSM 24/10/2024

Figure:
SA7.3 - (20)

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Flood Alert and Flood Warning Areas

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024



Dataset : EA datasets provided by London Borough of Enfield in 2015/2016
 Background : OSM 24/10/2024

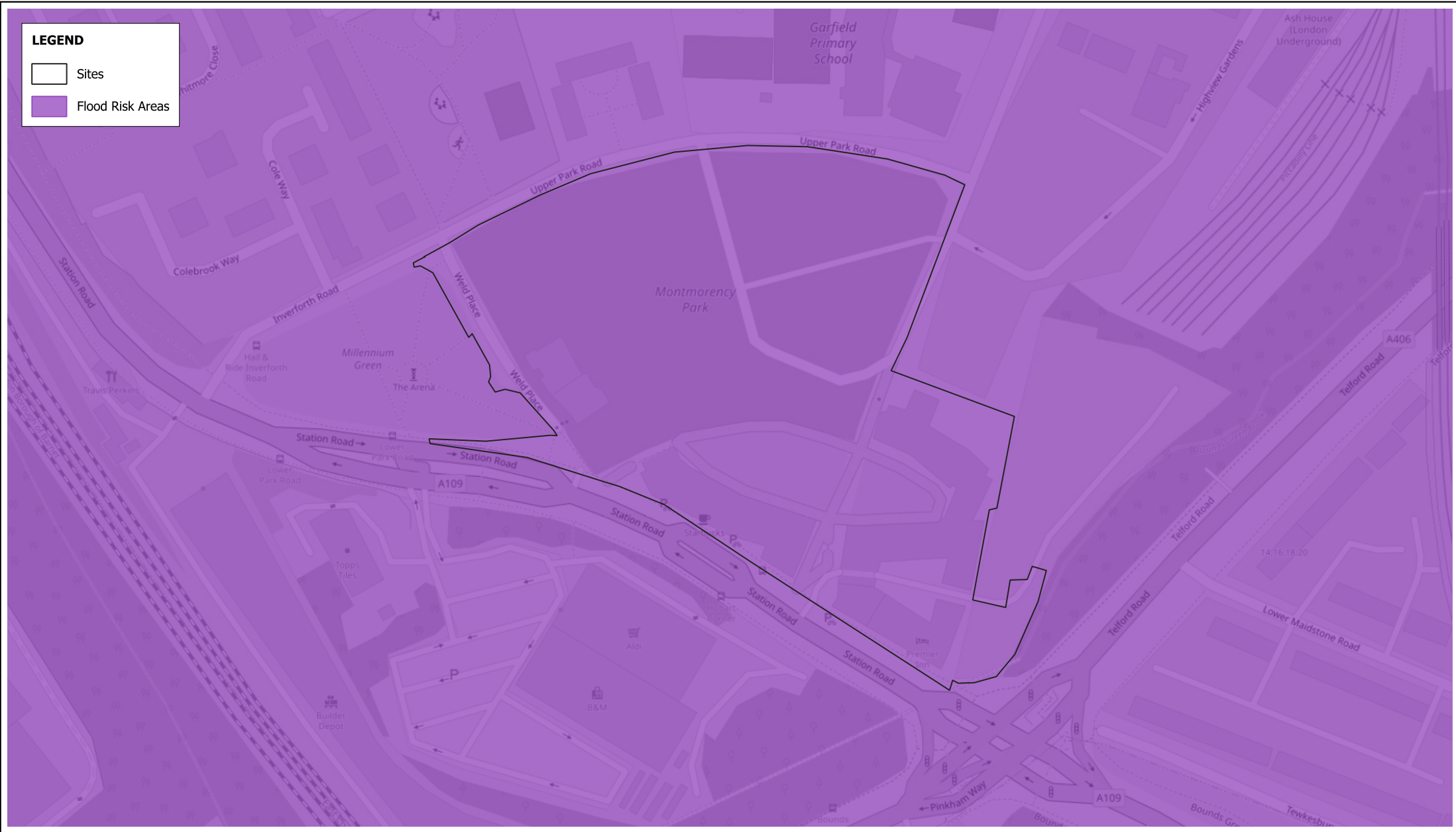
Figure:
SA7.3 - (21)

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LEGEND

-  Sites
-  Flood Risk Areas



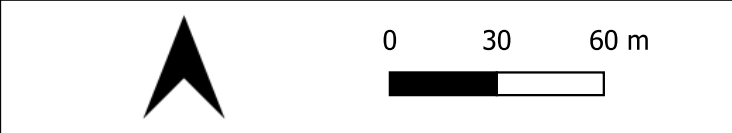
Flood Risk Areas

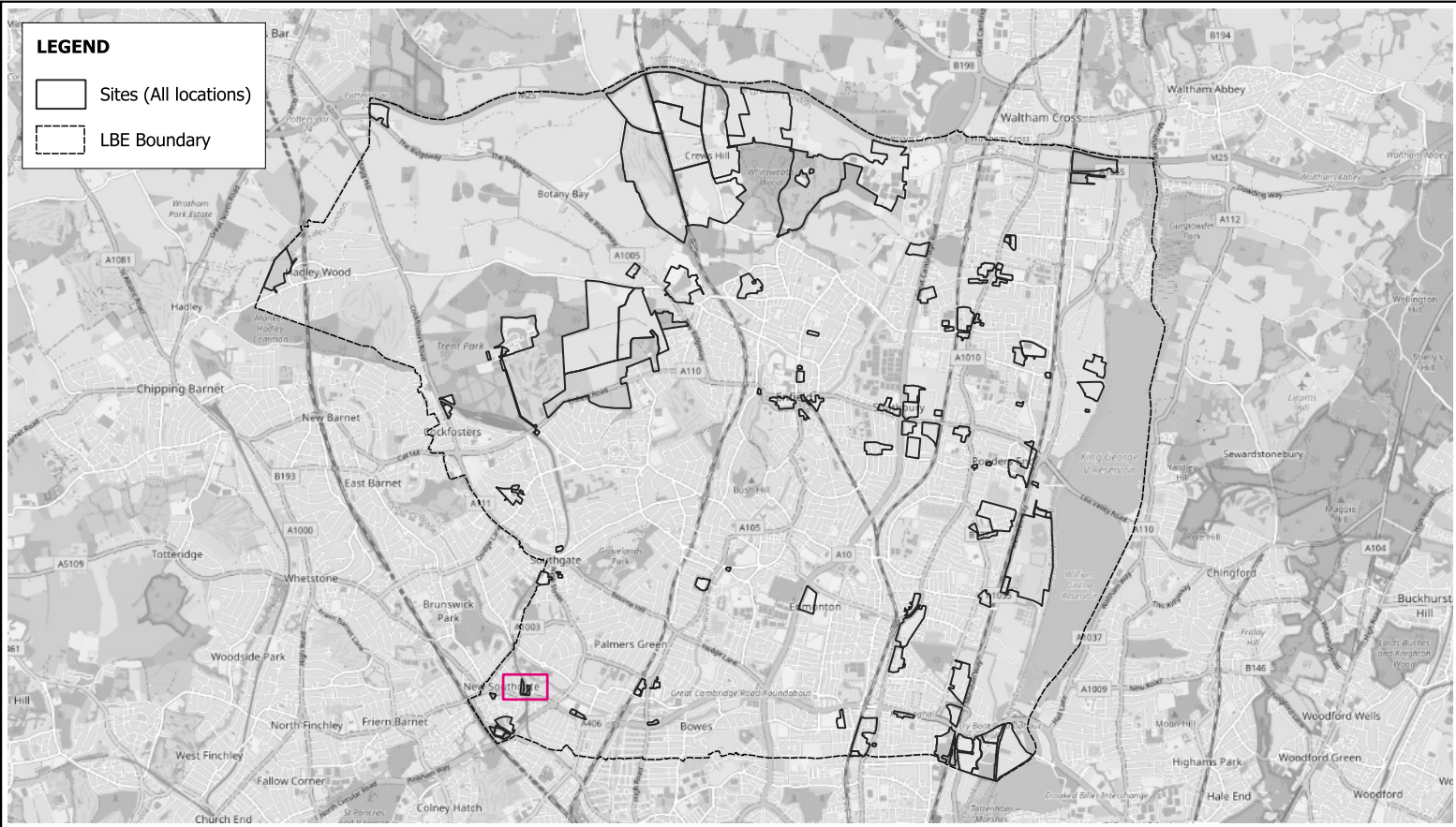
Projection : British National Grid
Produced by BMT
Production date : 24/10/2024

Dataset : EA dataset provided by London Borough of Enfield in 2016
Background : OSM 24/10/2024

Figure:
SA7.3 - (22)

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Site Location	Projection : British National Grid Produced by BMT Production date : 24/10/2024	Dataset : Provided by London Borough of Enfield on 06/2023 Background : OSM 24/10/2024	Figure: SA7.4 - (01)
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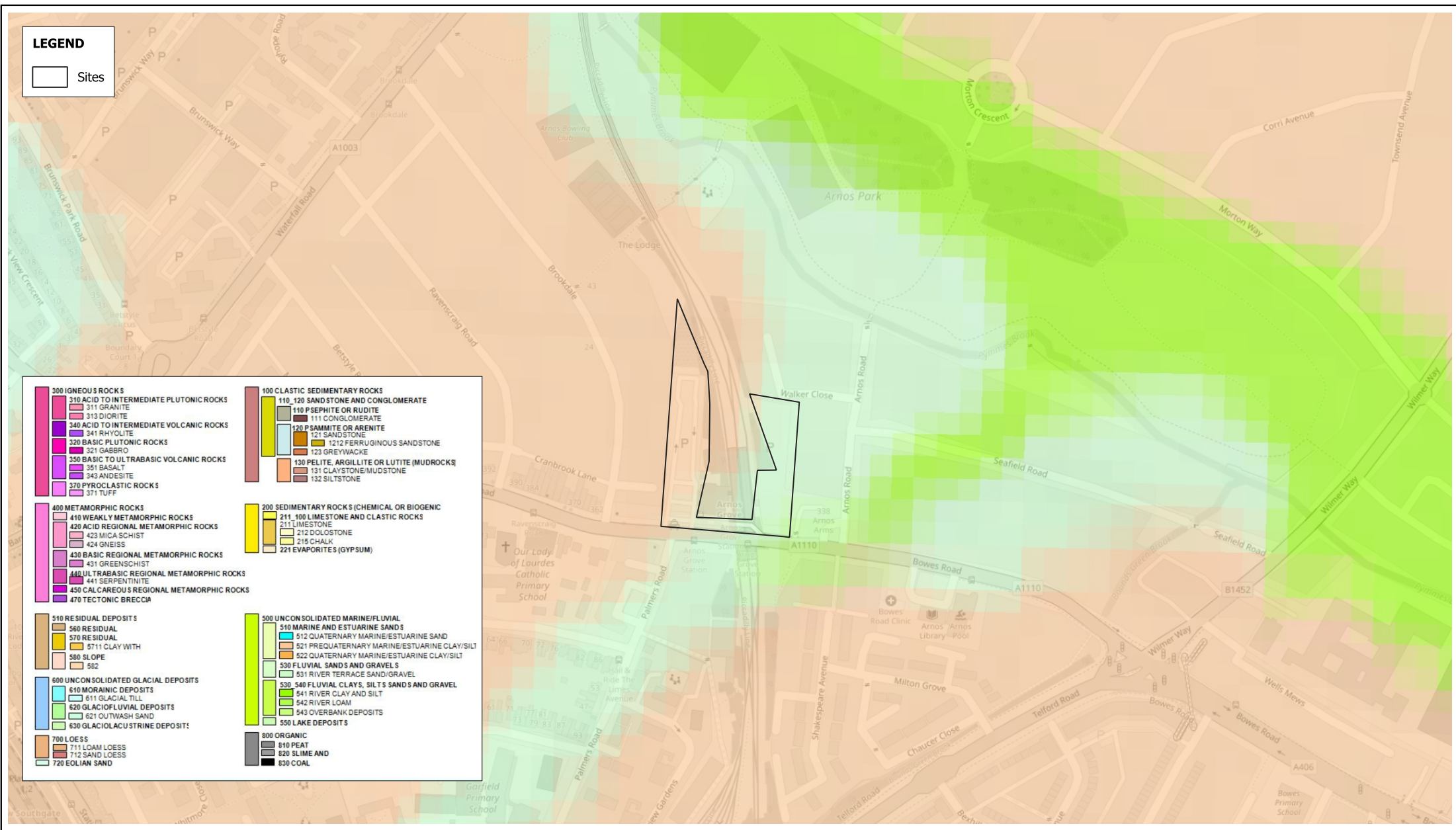
Address	Arnos Grove Station Car Park	Flood Zones 2016 (Ha)	FZ 2: None, FZ 3: None
Postcode	N11	Flood Zones 2023 (Ha)	FZ 2: None, FZ 3: None, FZ 3b: None
Ward	Arnos Grove	Fluvial Flooding (1 in 100 year + 17% CC) (Ha)	0 (0%)
Proposed development	Housing and Mixed Use	Surface Water Flooding (1 in 100 year) (Ha)	0.02 (2%)
Area (Ha)	1.15	Pluvial Flooding (1 in 100 year + 17% CC) (Ha)	0.02 (2%)
Watercourses	Within 200m of watercourse	Risk of Flooding from Reservoirs (Wet Day) (Ha)	High Risk: None, Not High Risk: None
Areas Benefitting from Flood Defences (Ha)	0 (0%)	Risk of Flooding from Reservoirs (Fluvial) (Ha)	None
Groundwater Susceptibility (Ha)	≥ 25 < 50%: 1.15 (100%)	Risk of Flooding from Reservoirs (Dry Day) (Ha)	None
Minor and Major Resource Coverage (Ha)	Major: 0 (0%), Minor: 0.52 (45%)	Historic Flooding (Ha)	0 (0%)
Resource Classifications	Minor H	Overtopping Locations	No overtopping has occurred within site
Flood Risk Area (Ha)	1.15 (100%)	Flood Defences	No defences within site
Risk of Flooding from Rivers and Sea (Ha)	High: None, Medium: None, Low: None, Very Low: None	Flood Alert and Warning (Ha)	Alert : 0 (0%), Warning: 0 (0%)

Comments: This site is proposed for residential and mixed-use development. The site has planning approval under the reference 20/01049/FUL.

LEGEND

Sites

300 IGNEOUS ROCKS	400 METAMORPHIC ROCKS	500 UNCONSOLIDATED MARINE/FLUVIAL	800 ORGANIC
310 ACID TO INTERMEDIATE PLUTONIC ROCKS	410 WEAKLY METAMORPHIC ROCKS	510 RESIDUAL	810 PEAT
311 GRANITE	420 ACID REGIONAL METAMORPHIC ROCKS	570 RESIDUAL	810 PEAT
313 DIORITE	423 MICHA SCHIST	571 CLAY WITH	820 SLIME AND
340 ACID TO INTERMEDIATE VOLCANIC ROCKS	430 BASIC REGIONAL METAMORPHIC ROCKS	580 SLOPE	830 COAL
341 RHYOLITE	431 GREENSCHIST	582	
320 BASIC PLUTONIC ROCKS	440 ULTRABASIC REGIONAL METAMORPHIC ROCKS		
321 GABBRO	441 SERPENTINITE		
350 BASIC TO ULTRABASIC VOLCANIC ROCKS	450 CALCAREOUS REGIONAL METAMORPHIC ROCKS		
351 BASALT	470 TECTONIC BRECCIA		
343 ANDESITE			
370 PYROCLASTIC ROCKS			
371 TUFF			
100 CLASTIC SEDIMENTARY ROCKS	200 SEDIMENTARY ROCKS (CHEMICAL OR BIOGENIC)		
110 120 SANDSTONE AND CONGLOMERATE	211 100 LIMESTONE AND CLASTIC ROCKS		
110 PSEPHITE OR RUDITE	211 LIMESTONE		
111 CONGLOMERATE	212 DOLOSTONE		
120 P SAMPITE OR ARENITE	215 CHALK		
121 SANDSTONE	221 EVAPORITES (GYPSUM)		
1212 FERRUGINOUS SANDSTONE			
123 GREYWACKE			
130 PELITE, ARGILLITE OR LUTITE (MUDROCKS)			
131 CLAYSTONE/MUDSTONE			
132 SILTSTONE			



Soil Classification

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : Downloaded by BMT
 from UK Soil in 2023
 Background : OSM 24/10/2024

Figure: **SA7.4 - (02)**

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LEGEND

- Sites
- Watercourses



Main Watercourses

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : Provided by
 London Borough of Enfield on 05/2016
 Background : OSM 24/10/2024

Figure: **SA7.4 - (03)**

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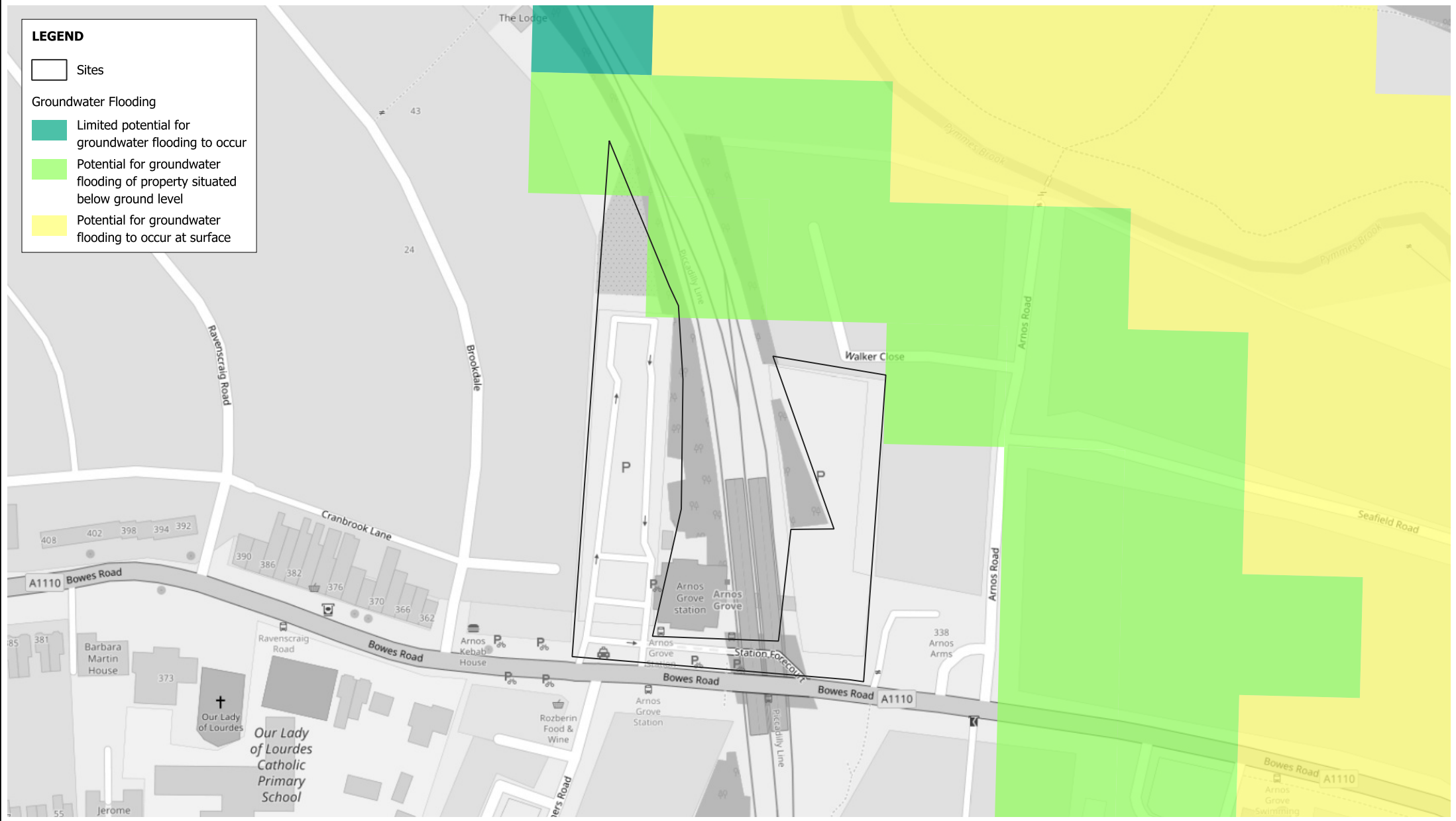


LEGEND

□ Sites

Groundwater Flooding

- Limited potential for groundwater flooding to occur
- Potential for groundwater flooding of property situated below ground level
- Potential for groundwater flooding to occur at surface



Groundwater Flooding

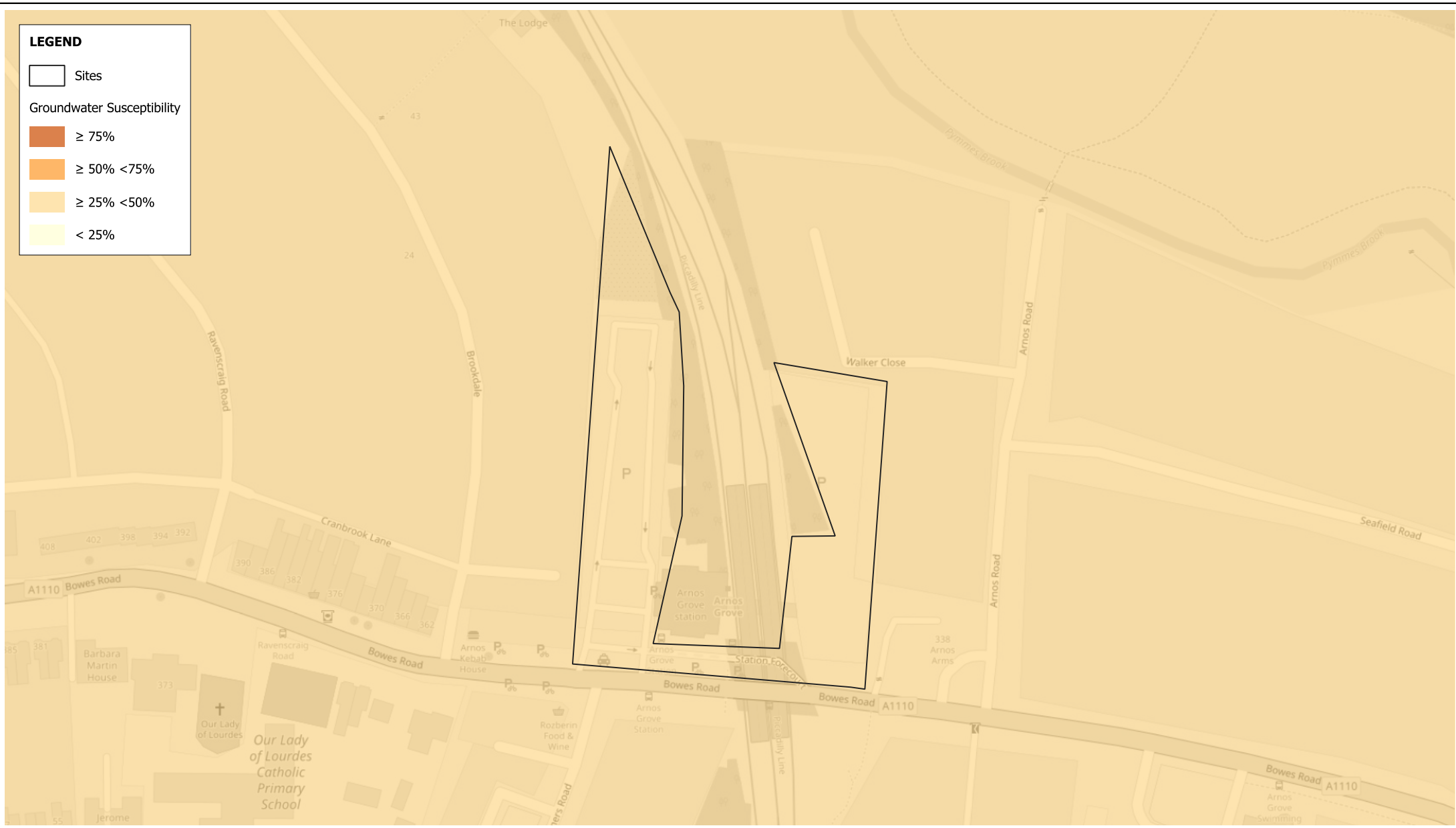
Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : BGS dataset received by BMT on 06/2023
 Background : OSM 24/10/2024

Figure:
SA7.4 - (04)

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Groundwater Susceptibility

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : EA dataset provided by
 London Borough of Enfield on 02/2016
 Background : OSM 24/10/2024

Figure:
SA7.4 - (05)

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Groundwater Resources

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : EA dataset provided by London Borough of Enfield on 02/2016
 Background : OSM 24/10/2024

Figure:
SA7.4 - (06)

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LEGEND

- Sites
- Groundwater Vulnerability
 - Minor_H
 - Minor_I
 - Minor_L



Groundwater Vulnerability

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : EA dataset provided by London Borough of Enfield on 02/2016
 Background : OSM 24/10/2024

Figure:
SA7.4 - (07)

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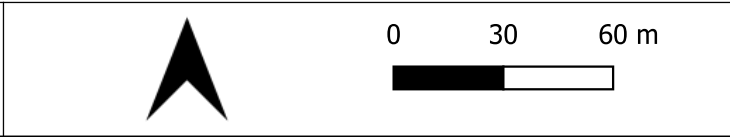
Risk from Rivers and Sea

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024





Dataset : EA dataset provided by London Borough of Enfield on 02/2016
 Background : OSM 24/10/2024

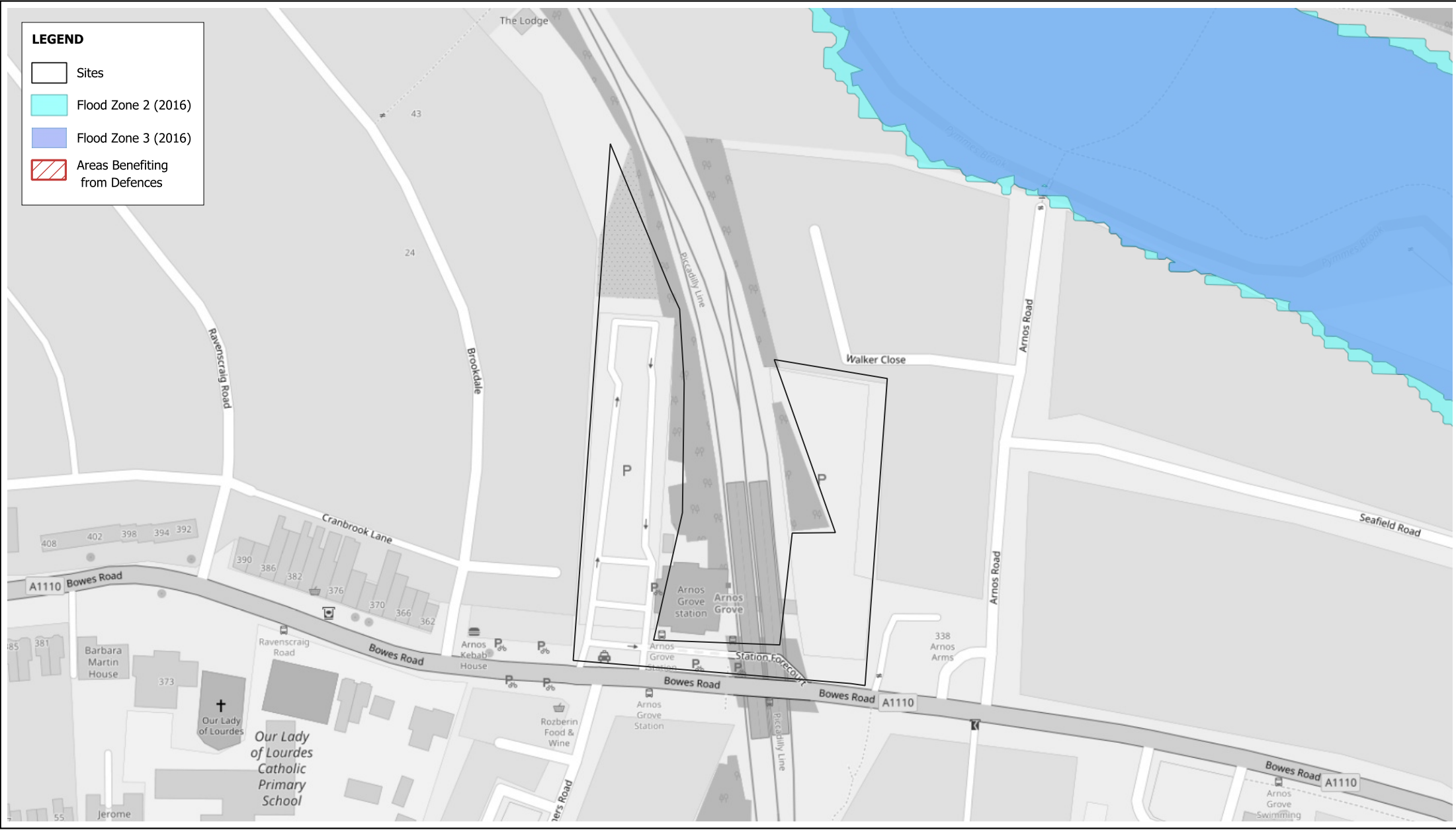
Figure:
SA7.4 - (08)

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LEGEND

-  Sites
-  Flood Zone 2 (2016)
-  Flood Zone 3 (2016)
-  Areas Benefiting from Defences



Flood Zones (provided 2016)

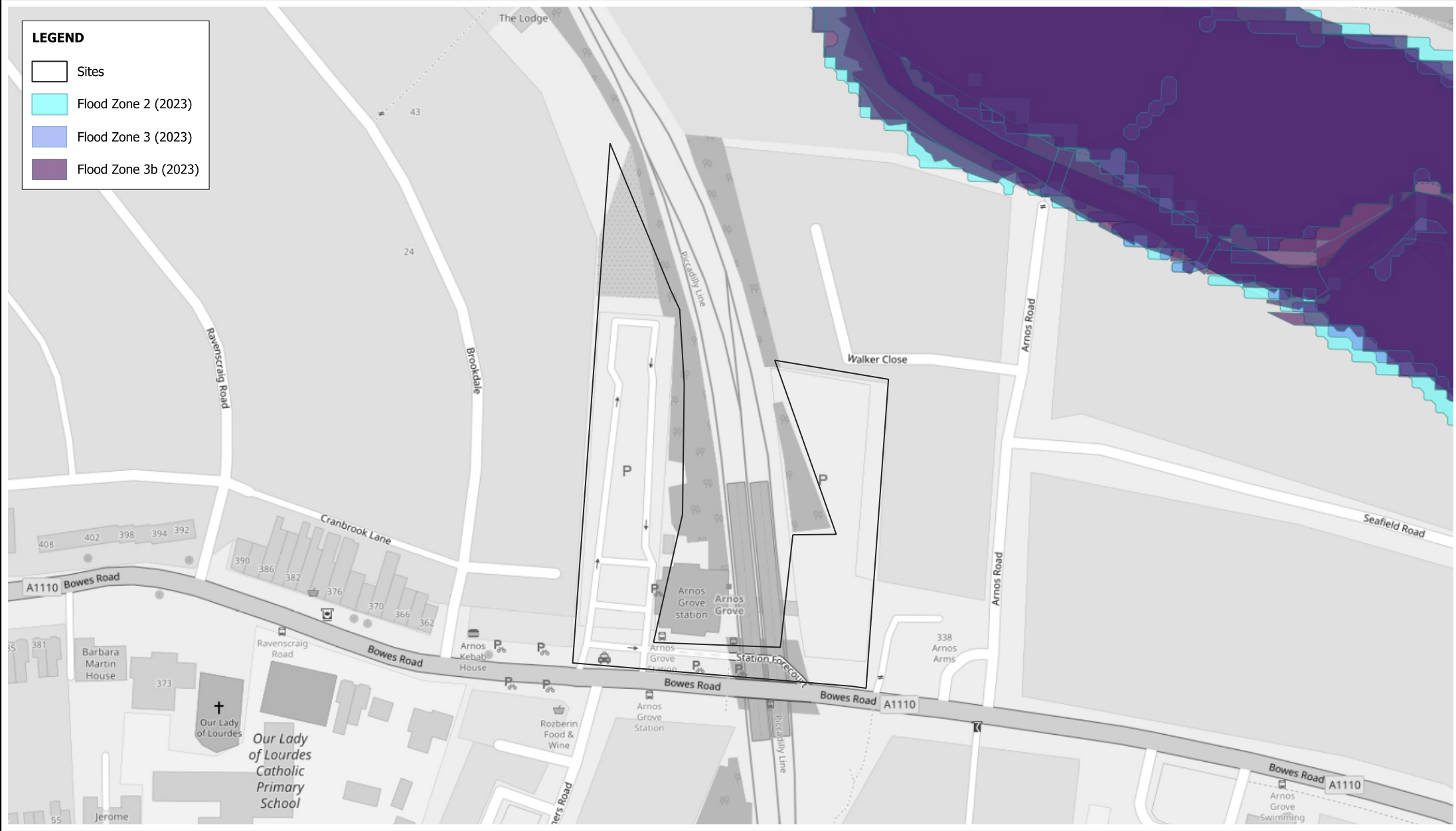
Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : EA datasets provided by London Borough of Enfield on 02/2016
 Background : OSM 24/10/2024

Figure:
SA7.4 - (09)

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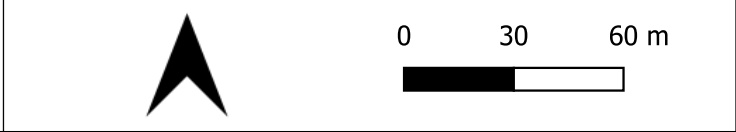
Flood Zones (provided 2023)

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024





Dataset : EA datasets provided by
 London Borough of Enfield on 05/2023
 Background : OSM 24/10/2024

Figure:
SA7.4 - (10)

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LEGEND

-  Sites
-  Exclusion Zone (Flood Zone 2)
-  Exclusion Zone (Flood Zone 3)
-  Exclusion Zones (Flood Zone 3b)



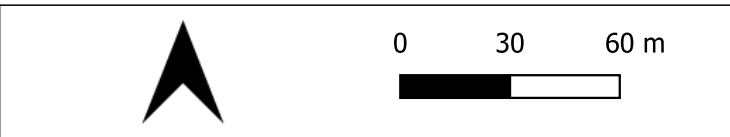
Exclusion Zones

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : EA datasets provided by
 London Borough of Enfield on 05/2023
 Background : OSM 24/10/2024

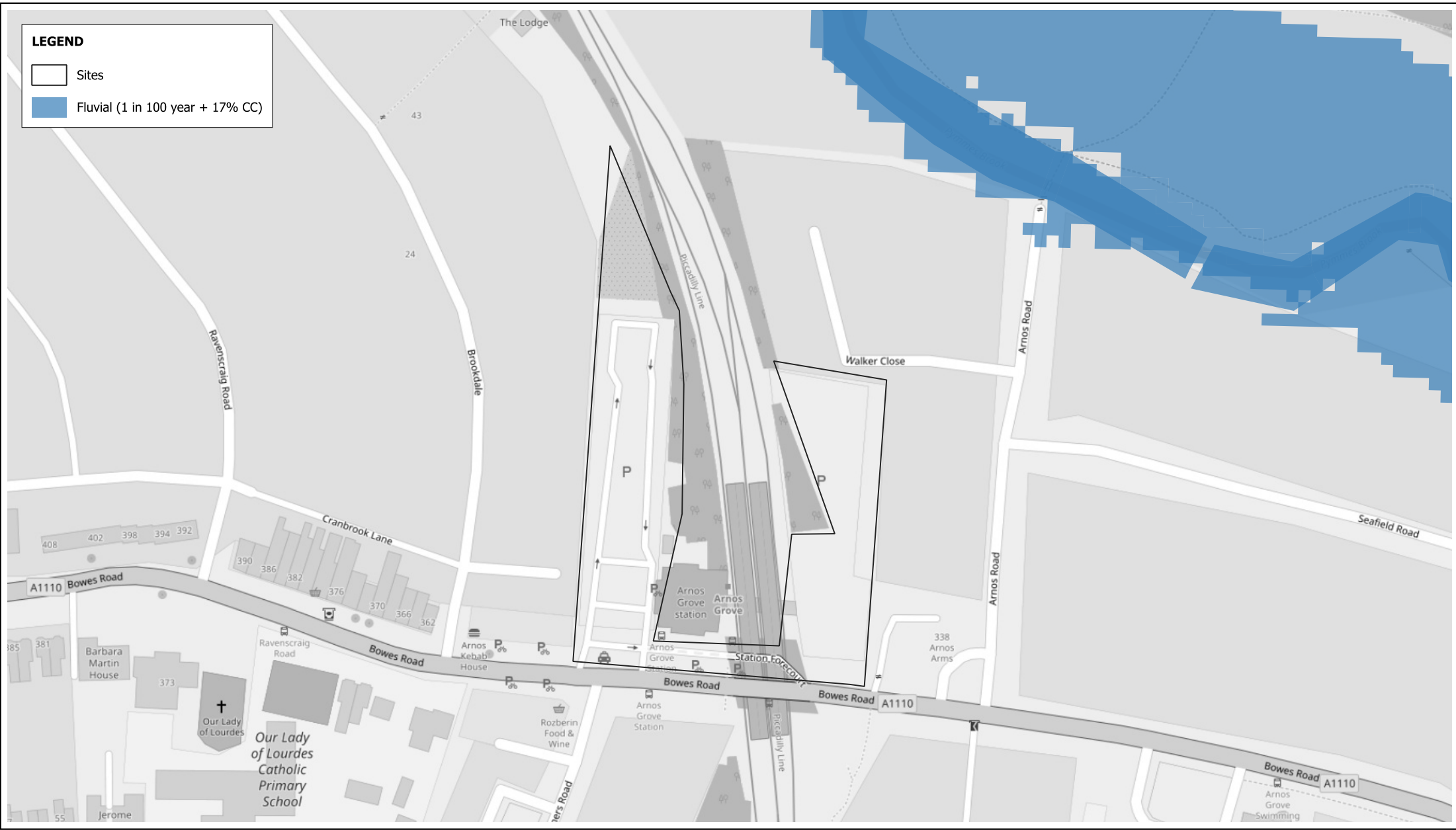
Figure:
SA7.4 - (11)

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LEGEND

- Sites
- Fluvial (1 in 100 year + 17% CC)



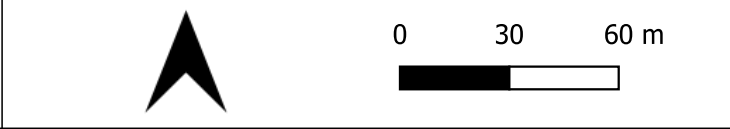
Fluvial Flooding (1 in 100 year + 17% CC)

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024



Dataset : Provided by
 London Borough of Enfield on 05/2023
 Background : OSM 24/10/2024

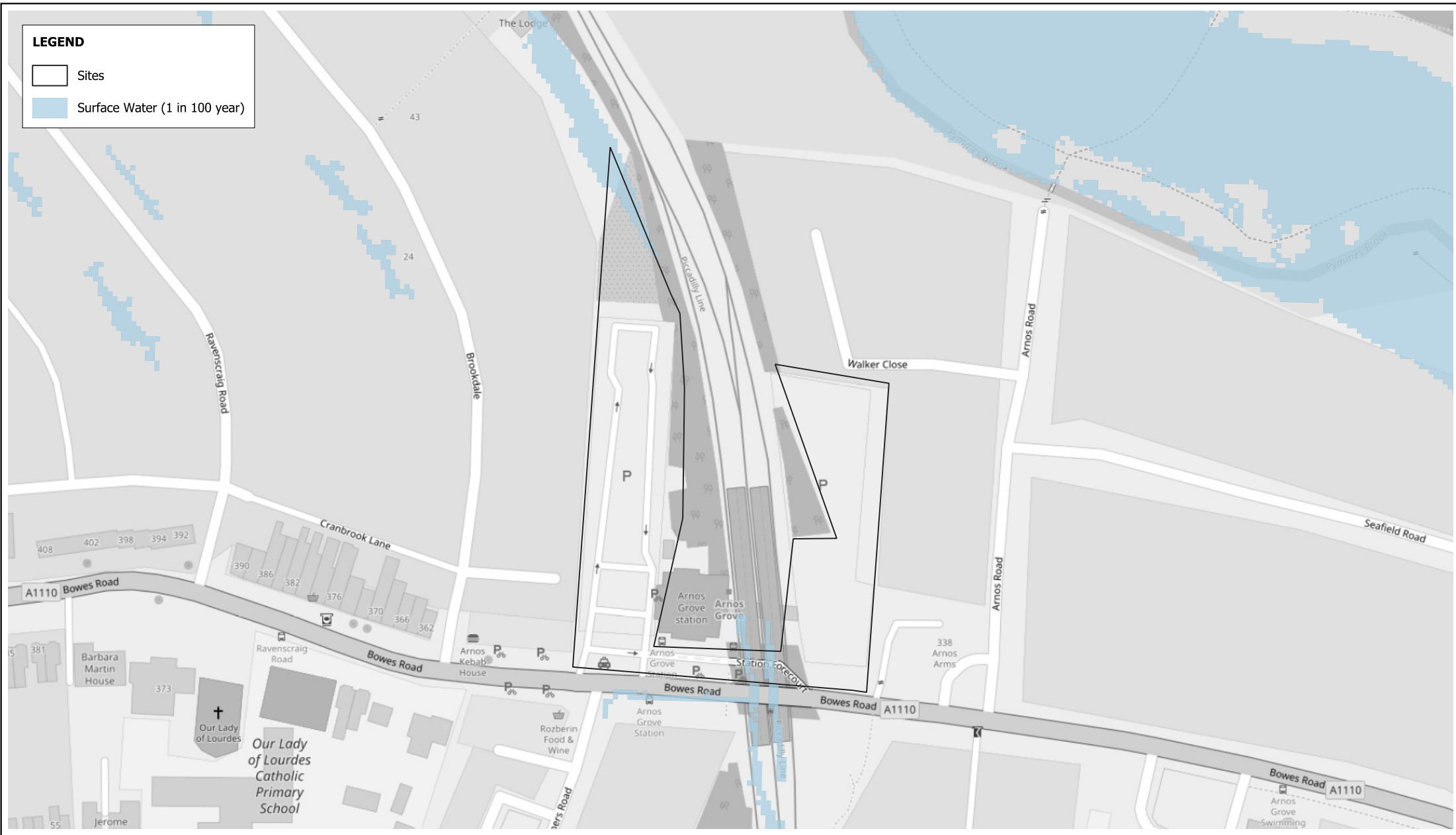
Figure:
SA7.4 - (12)

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LEGEND

-  Sites
-  Surface Water (1 in 100 year)



Surface Water Flooding (1 in 100 year)

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : Provided by
 London Borough of Enfield on 05/2023
 Background : OSM 24/10/2024

Figure:
SA7.4 - (13)

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Surface Water Flooding (1 in 100 year + 17% CC)

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : Provided by
 London Borough of Enfield on 05/2023
 Background : OSM 24/10/2024

Figure:
SA7.4 - (14)

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Risk of Flooding from Reservoirs (Dry Day)

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024






Dataset : EA dataset from 05/2023
 Background : OSM 24/10/2024

Figure:
SA7.4 - (15)

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LEGEND

-  Sites
- Reservoir (Wet Day)
 -  Contact NRW
 -  High-risk
 -  Not high-risk
 -  Not yet determined



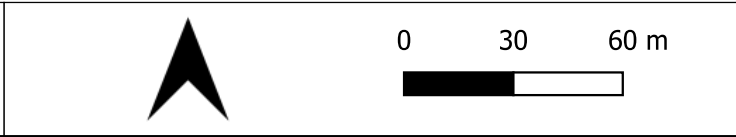
Risk of Flooding from Reservoirs (Wet Day)

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024






Dataset : EA dataset from 05/2023
 Background : OSM 24/10/2024

Figure:
SA7.4 - (16)

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LEGEND

-  Sites
- Reservoir (Fluvial)
-  Contact NRW
-  High-risk
-  Not high-risk
-  Not yet determined



Risk of Flooding from Reservoirs (Fluvial)

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : EA dataset from 05/2023
 Background : OSM 24/10/2024

Figure:
SA7.4 - (17)

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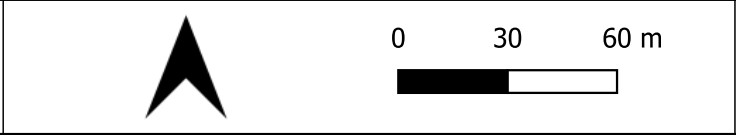
Historic Flood Areas

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : EA dataset provided by London Borough of Enfield on 02/2016
 Background : OSM 24/10/2024

Figure:
SA7.4 - (18)

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Overtopping (Canals and other artificial bodies)

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : Canal River Trust dataset
 from 05/2023
 Background : OSM 24/10/2024

Figure:
SA7.4 - (19)

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LEGEND

- Sites
- Natural Defences



Natural Defences

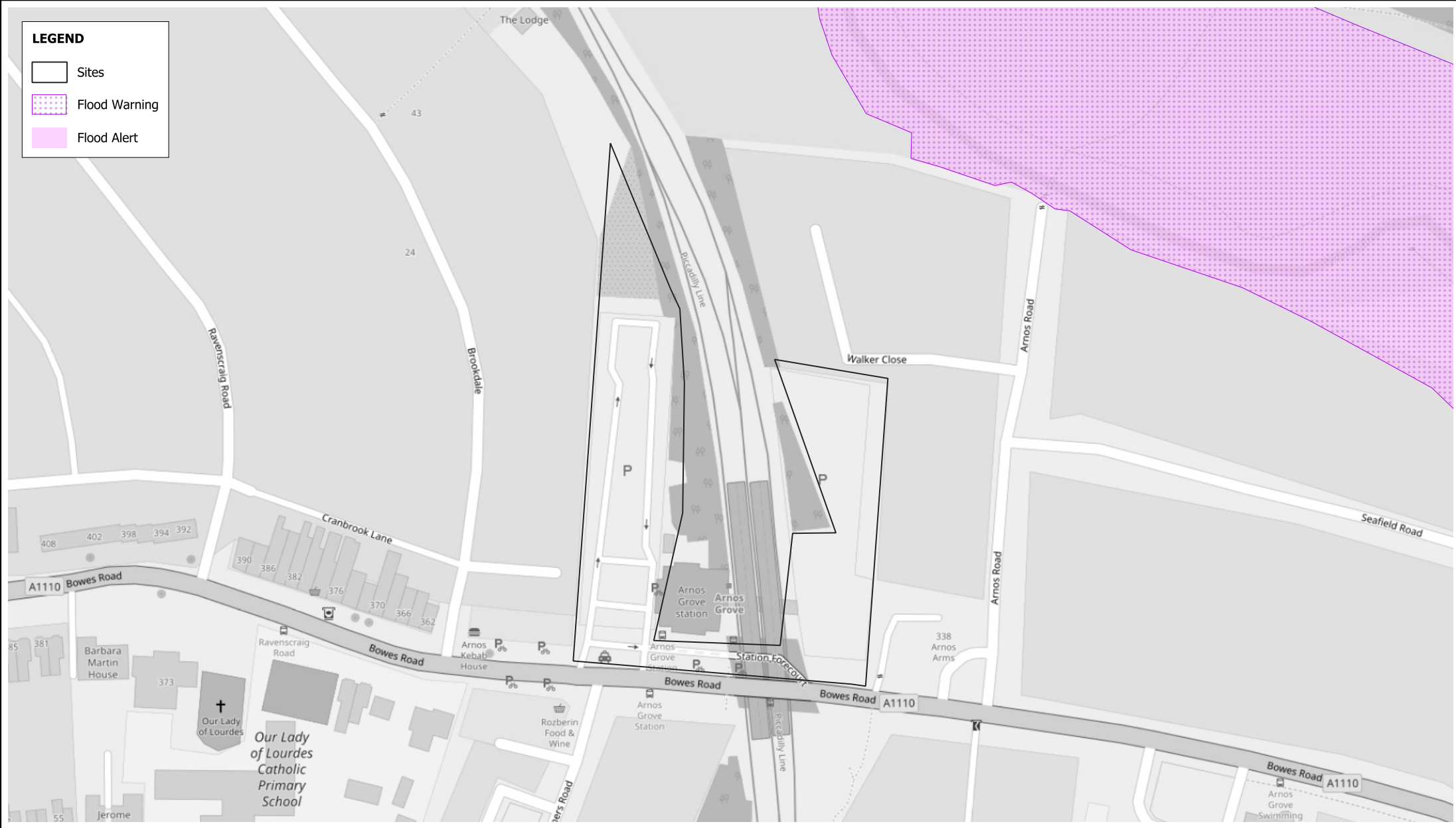
Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

Dataset : EA dataset provided by London Borough of Enfield on 02/2016
 Background : OSM 24/10/2024

Figure:
SA7.4 - (20)

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Flood Alert and Flood Warning Areas

Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024



Dataset : EA datasets provided by London Borough of Enfield in 2015/2016
 Background : OSM 24/10/2024

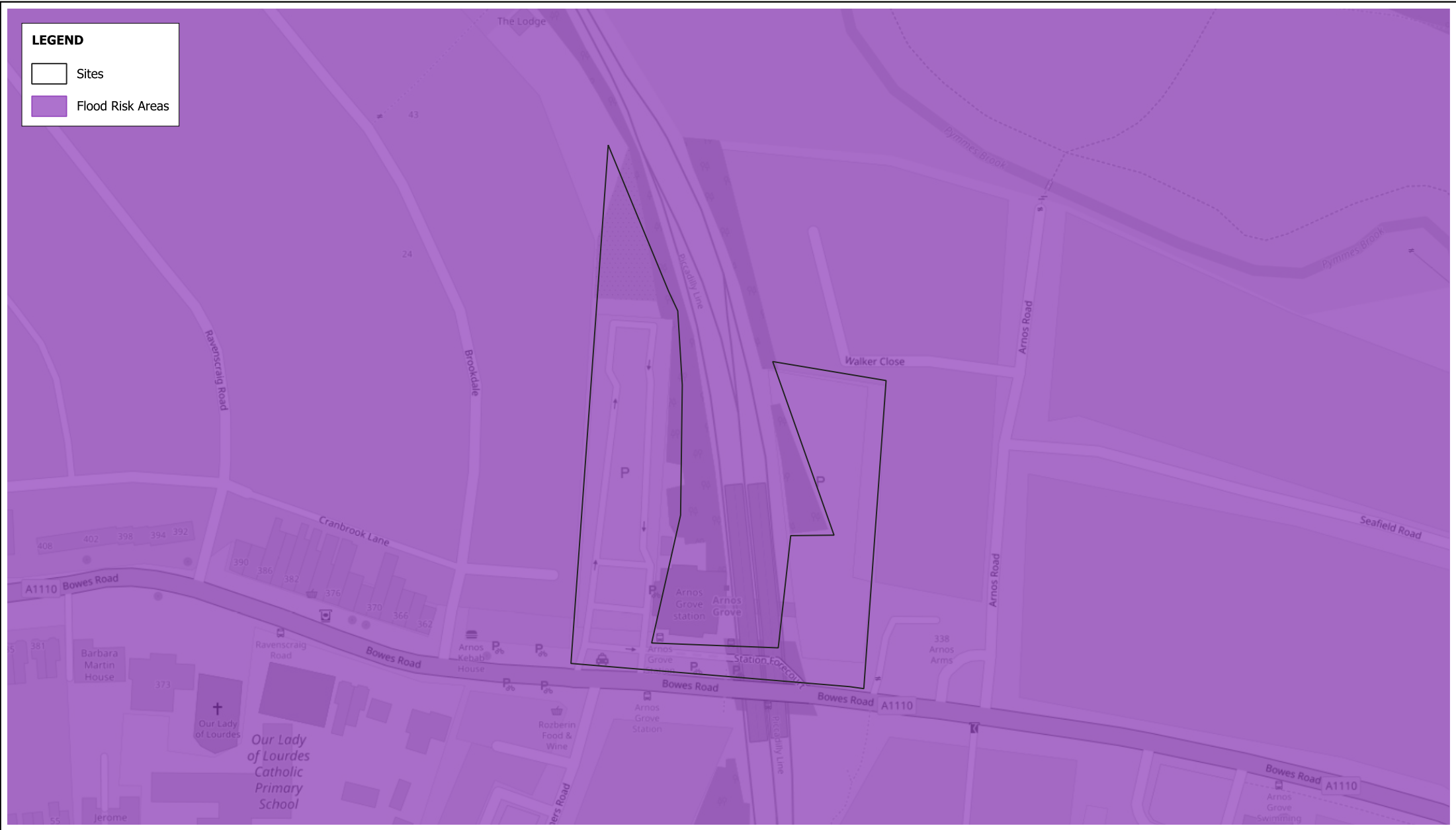
Figure:
SA7.4 - (21)

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LEGEND

-  Sites
-  Flood Risk Areas



<p>Flood Risk Areas</p>	<p>Projection : British National Grid Produced by BMT Production date : 24/10/2024</p>	<p>Dataset : EA dataset provided by London Borough of Enfield in 2016 Background : OSM 24/10/2024</p>	<p>Figure: SA7.4 - (22)</p>
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0 30 60 m

