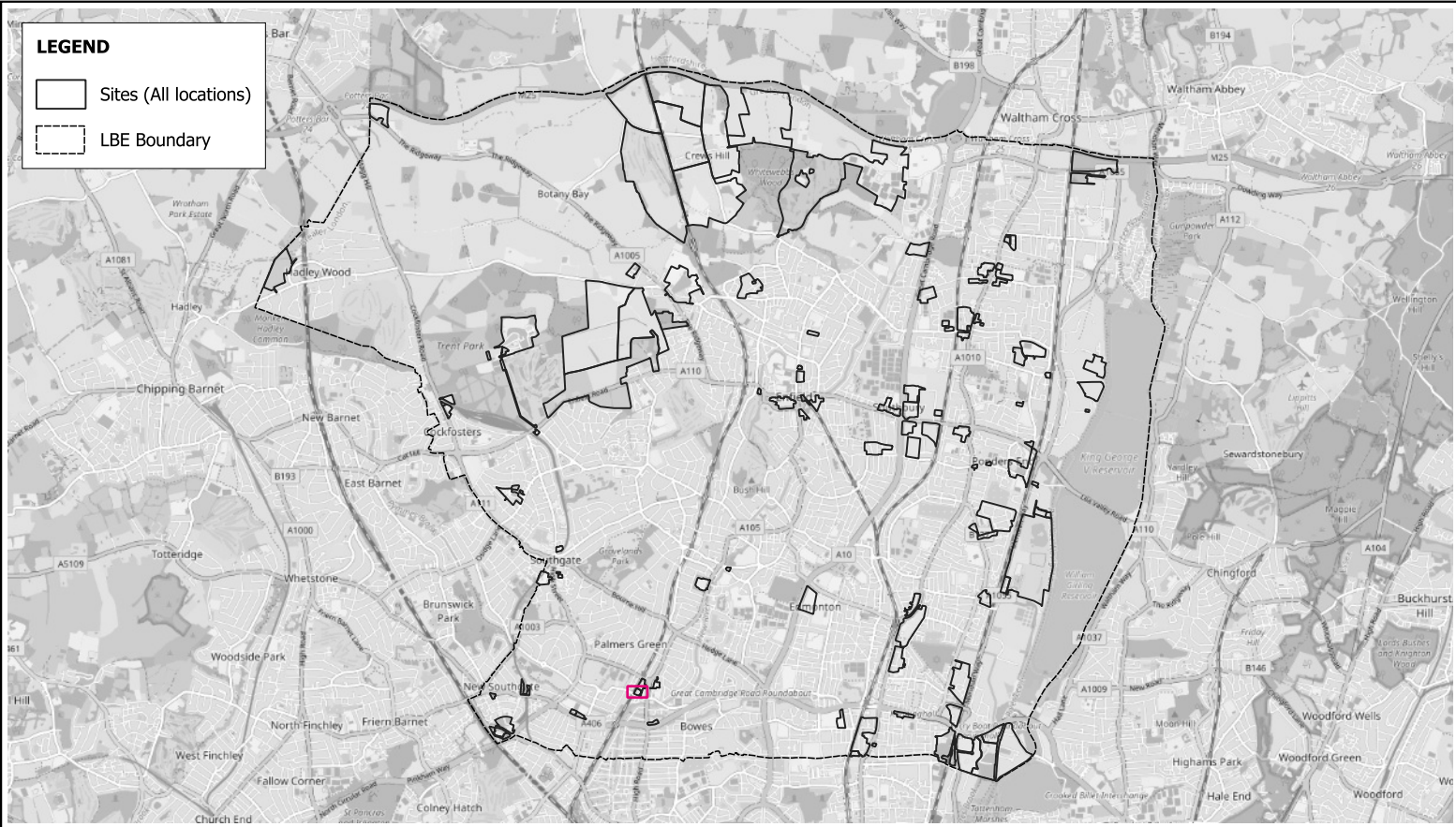


SA8.4



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: SA8.4 - (01)
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Address	Travis Perkins Palmer's Green, Bridge Drive, Broomfield Lane	Flood Zones 2016 (Ha)	FZ 2: None, FZ 3: None
Postcode	N13 4EU	Flood Zones 2023 (Ha)	FZ 2: None, FZ 3: None, FZ 3b: None
Ward	Palmer's Green	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 (0%)
Area (Ha)	0.62	Pluvial Flooding (1 in 100 year + 17% CC) (Ha)	0.04 (6%)
Watercourses	Not 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)	≥ 50 < 75%: 0.62 (100%)	Risk of Flooding from Reservoirs (Dry Day) (Ha)	None
Minor and Major Resource Coverage (Ha)	Major: 0 (0%), Minor: 0.62 (100%)	Historic Flooding (Ha)	0 (0%)
Resource Classifications	Minor H	Overtopping Locations	No overtopping has occurred within site
Flood Risk Area (Ha)	0.62 (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.

LEGEND

□ Sites

<ul style="list-style-type: none"> 300 IGNEOUS ROCKS 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 	<ul style="list-style-type: none"> 400 METAMORPHIC ROCKS 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
<ul style="list-style-type: none"> 510 RESIDUAL DEPOSITS 560 RESIDUAL 570 RESIDUAL 5711 CLAY WITH 580 SLOPE 582 	<ul style="list-style-type: none"> 100 CLASTIC SEDIMENTARY ROCKS 110 120 SANDSTONE AND CONGLOMERATE 110 P SEPHITE 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
<ul style="list-style-type: none"> 600 UNCONSOLIDATED GLACIAL DEPOSITS 610 MORAINIC DEPOSITS 611 GLACIAL TILL 620 GLACIOFLUVIAL DEPOSITS 621 OUTWASH SAND 630 GLACIOLACUSTRINE DEPOSIT 700 LOESS 711 LOAM LOESS 712 SAND LOESS 720 EOLIAN SAND 	<ul style="list-style-type: none"> 200 SEDIMENTARY ROCKS (CHEMICAL OR BIOGENIC) 211 100 LIMESTONE AND CLASTIC ROCKS 211 LIMESTONE 212 DOLOSTONE 215 CHALK 221 EVAPORITES (GYPSUM) 500 UNCONSOLIDATED MARINE/FLUVIAL 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 800 ORGANIC 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: SA8.4 - (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: **SA8.4 - (03)**


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

0 10 20 m

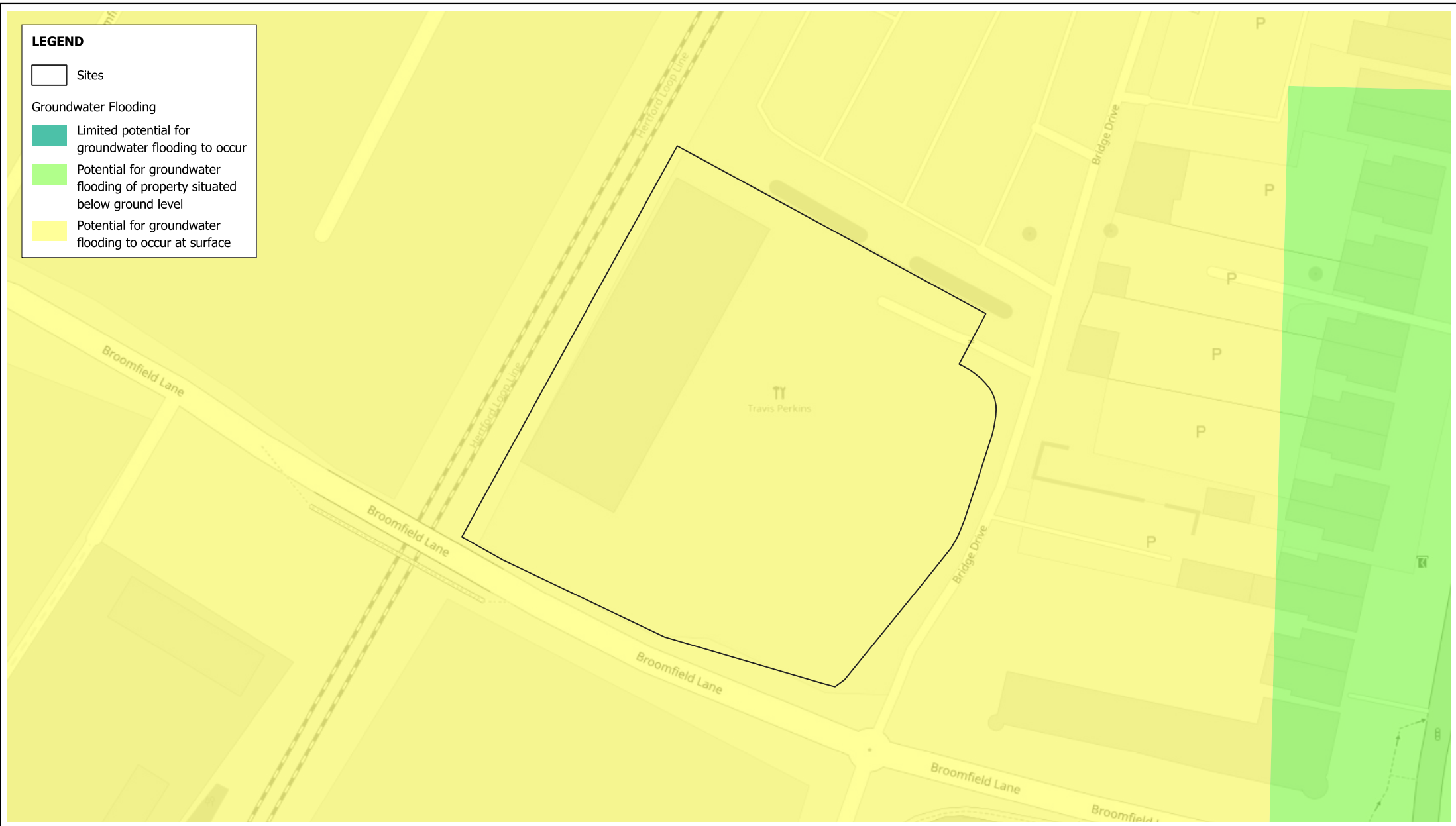



LEGEND

 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:
SA8.4 - (04)

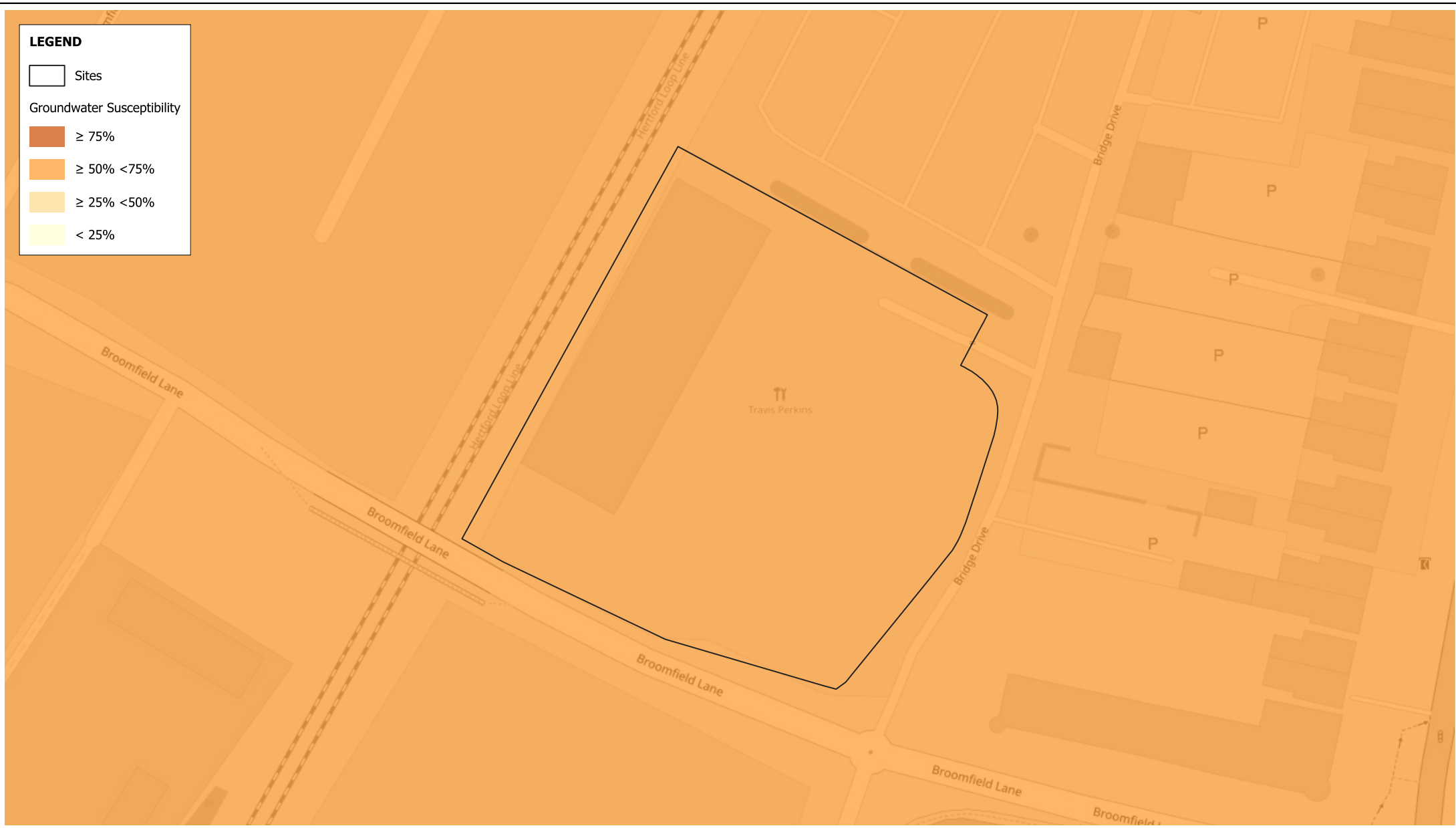
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0 10 20 m







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:
SA8.4 - (05)

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0 10 20 m



LEGEND

 Sites

Groundwater Resources

 Major

 Minor



Groundwater Resources

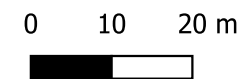
Projection : British National Grid
Produced by BMT
Production date : 24/10/2024

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





Figure:

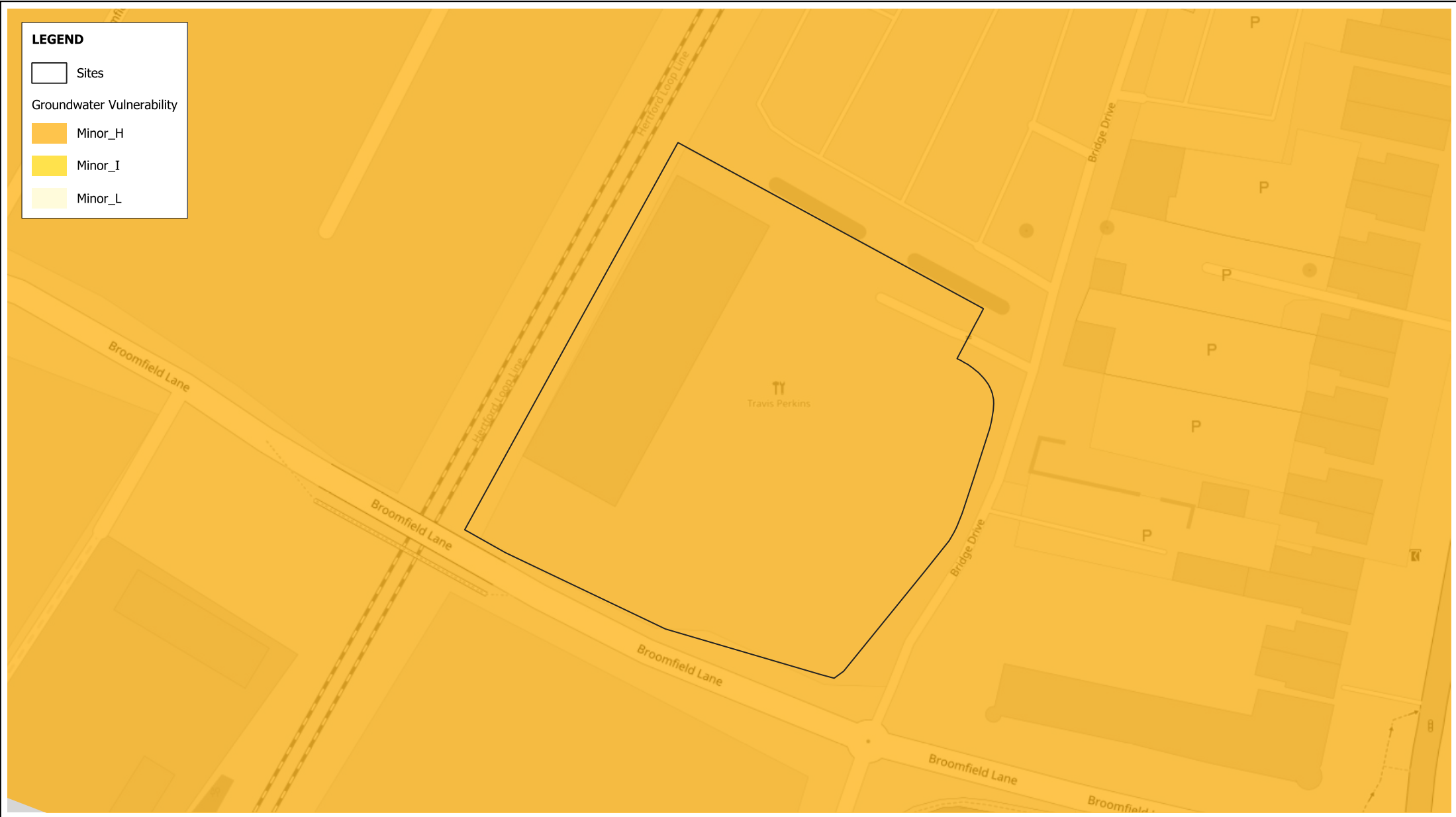
SA8.4 - (06)

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LEGEND

 Sites
 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:






SA8.4 - (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:
SA8.4 - (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:
SA8.4 - (09)

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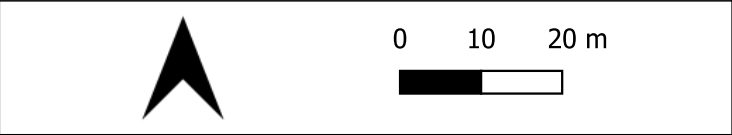
Flood Zones (provided 2023)

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:
SA8.4 - (10)

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LEGEND

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




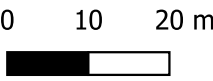
Exclusion Zones

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:
SA8.4 - (11)

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LEGEND

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



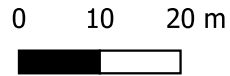
Fluvial Flooding (1 in 100 year + 17% CC)

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:
SA8.4 - (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:
SA8.4 - (13)

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0 10 20 m




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:
SA8.4 - (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:
SA8.4 - (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:
SA8.4 - (16)

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0 10 20 m





LEGEND

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




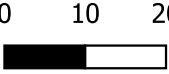
Risk of Flooding from Reservoirs (Fluvial)

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

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

Figure:
SA8.4 - (17)

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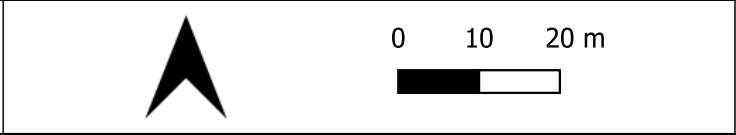

Historic Flood Areas

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:
SA8.4 - (18)

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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:
SA8.4 - (19)

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0 10 20 m

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



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:
SA8.4 - (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

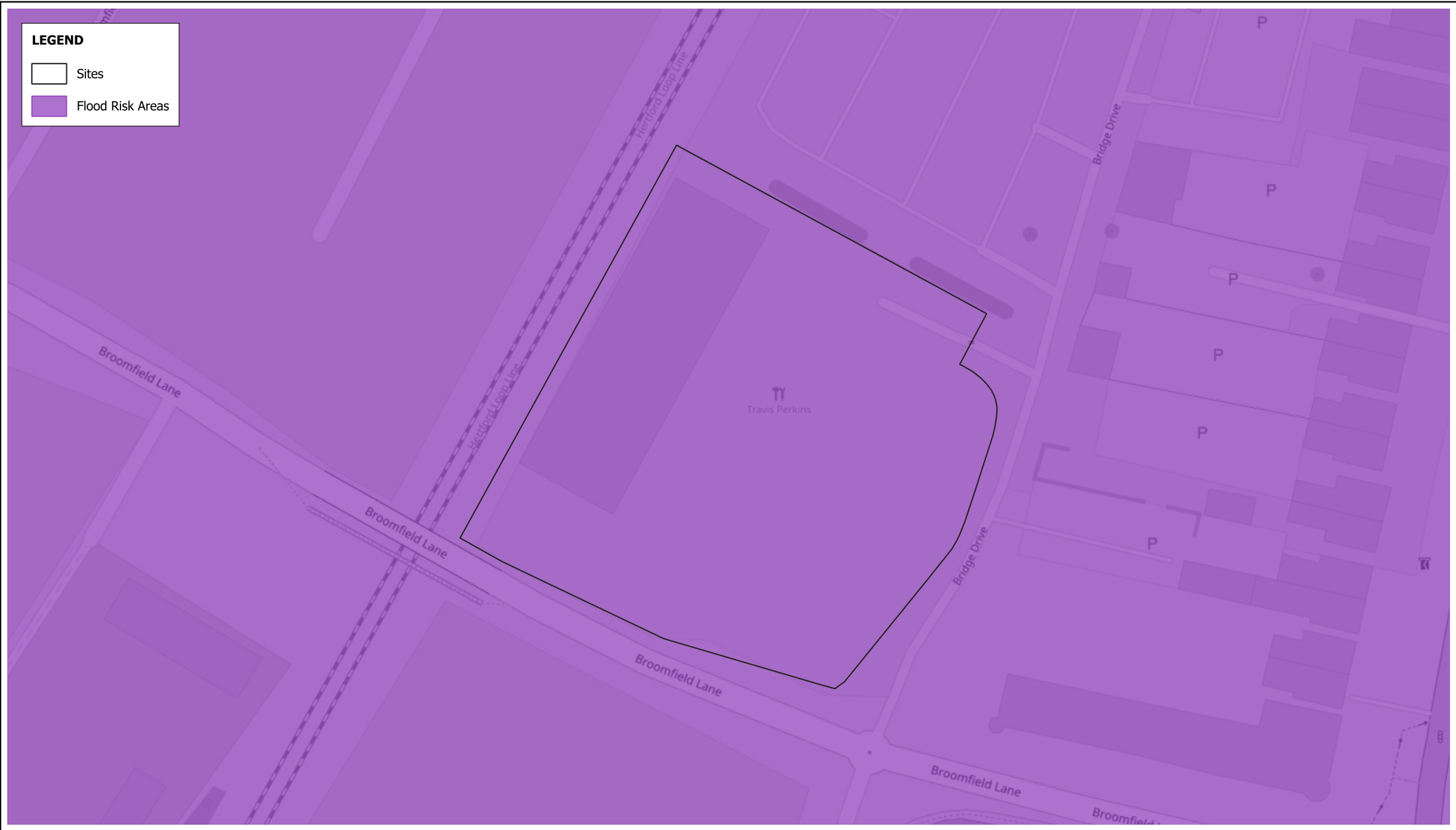
Figure:
SA8.4 - (21)

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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:
SA8.4 - (22)

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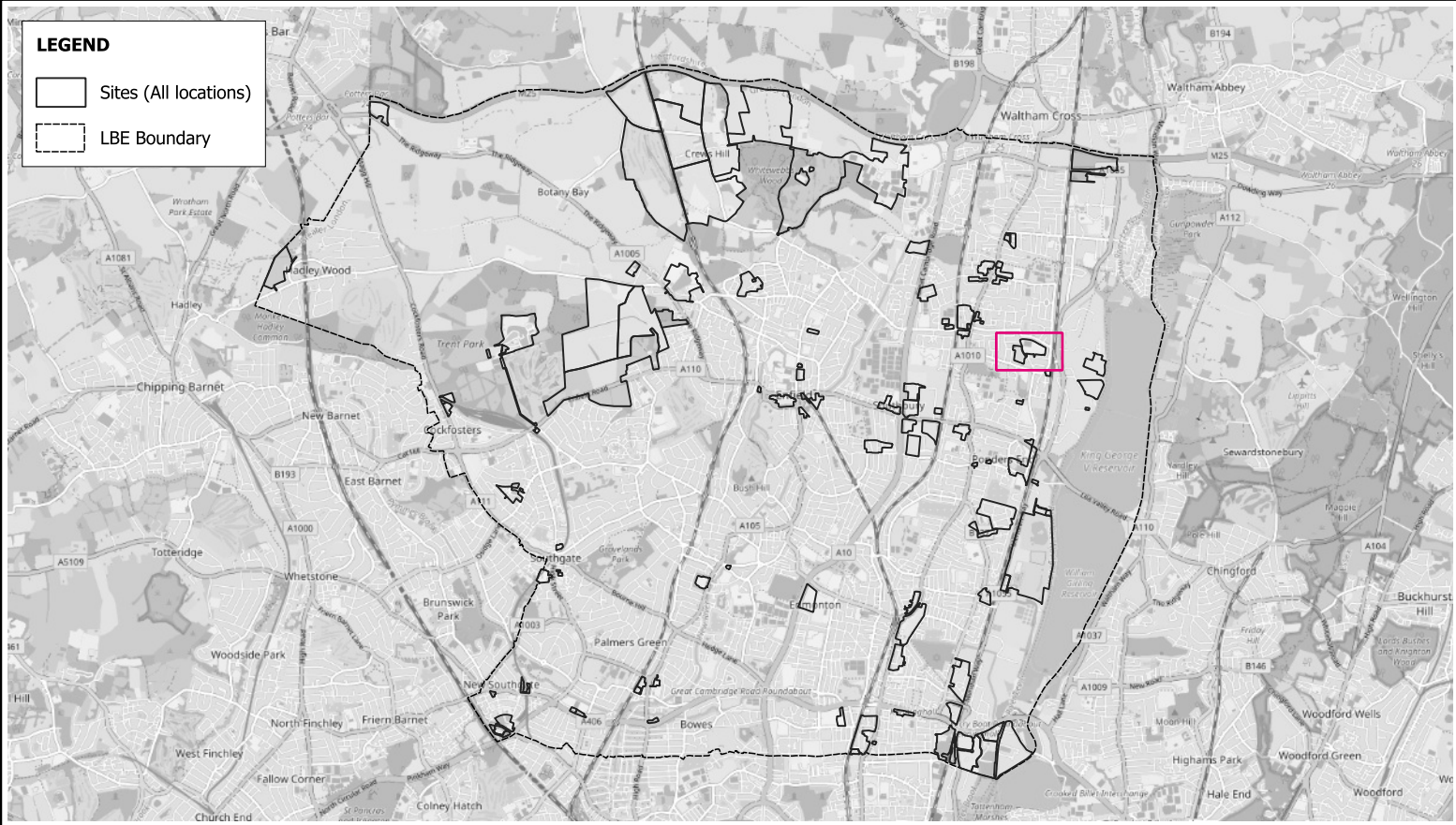


0 10 20 m





U.01



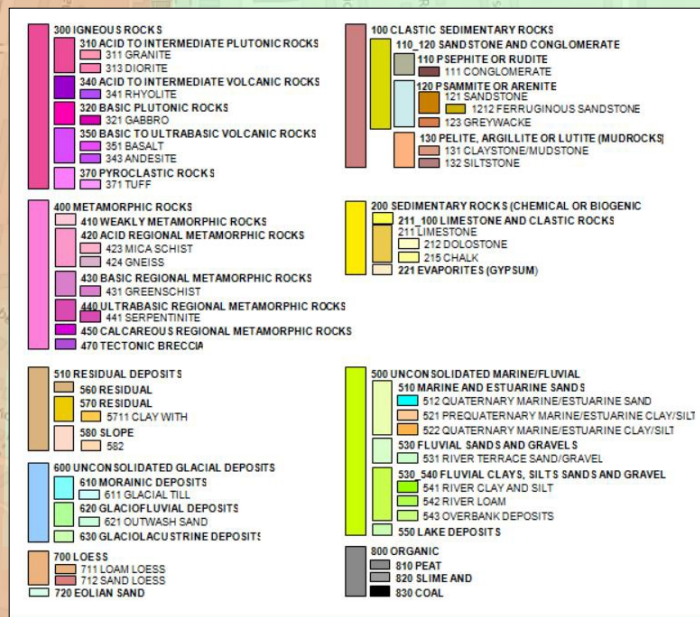
Site Location	Projection : British National Grid Produced by BMT Production date : 24/10/2024	Dataset : Provided by London Borough of Enfield on 06/2023 Background : OSM 24/10/2024	Figure: U.01 - (01)
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Address	Land known as Brimsdown Sports Ground, Goldsdown Road, Enfield,	Flood Zones 2016 (Ha)	FZ 2: 0 (0%) FZ 3: None
Postcode	EN3 7RN	Flood Zones 2023 (Ha)	FZ 2: 0 (0%), FZ 3: None, FZ 3b: 0 (0%)
Ward	Brimsdown	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 (0%)
Area (Ha)	8.11	Pluvial Flooding (1 in 100 year + 17% CC) (Ha)	0.98 (12%)
Watercourses	Not within 200m of watercourse	Risk of Flooding from Reservoirs (Wet Day) (Ha)	High Risk: 0.26 (3%), Not High Risk: None
Areas Benefitting from Flood Defences (Ha)	0 (0%)	Risk of Flooding from Reservoirs (Fluvial) (Ha)	High Risk: 0 (0%)
Groundwater Susceptibility (Ha)	≥ 75%: 8.11 (100%)	Risk of Flooding from Reservoirs (Dry Day) (Ha)	High Risk: 6.21 (77%)
Minor and Major Resource Coverage (Ha)	Major: 0 (0%), Minor: 8.11 (100%)	Historic Flooding (Ha)	0 (0%)
Resource Classifications	Minor H	Overtopping Locations	No overtopping has occurred within site
Flood Risk Area (Ha)	8.11 (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 development and a leisure centre.

LEGEND

□ Sites



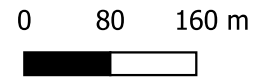
Soil Classification

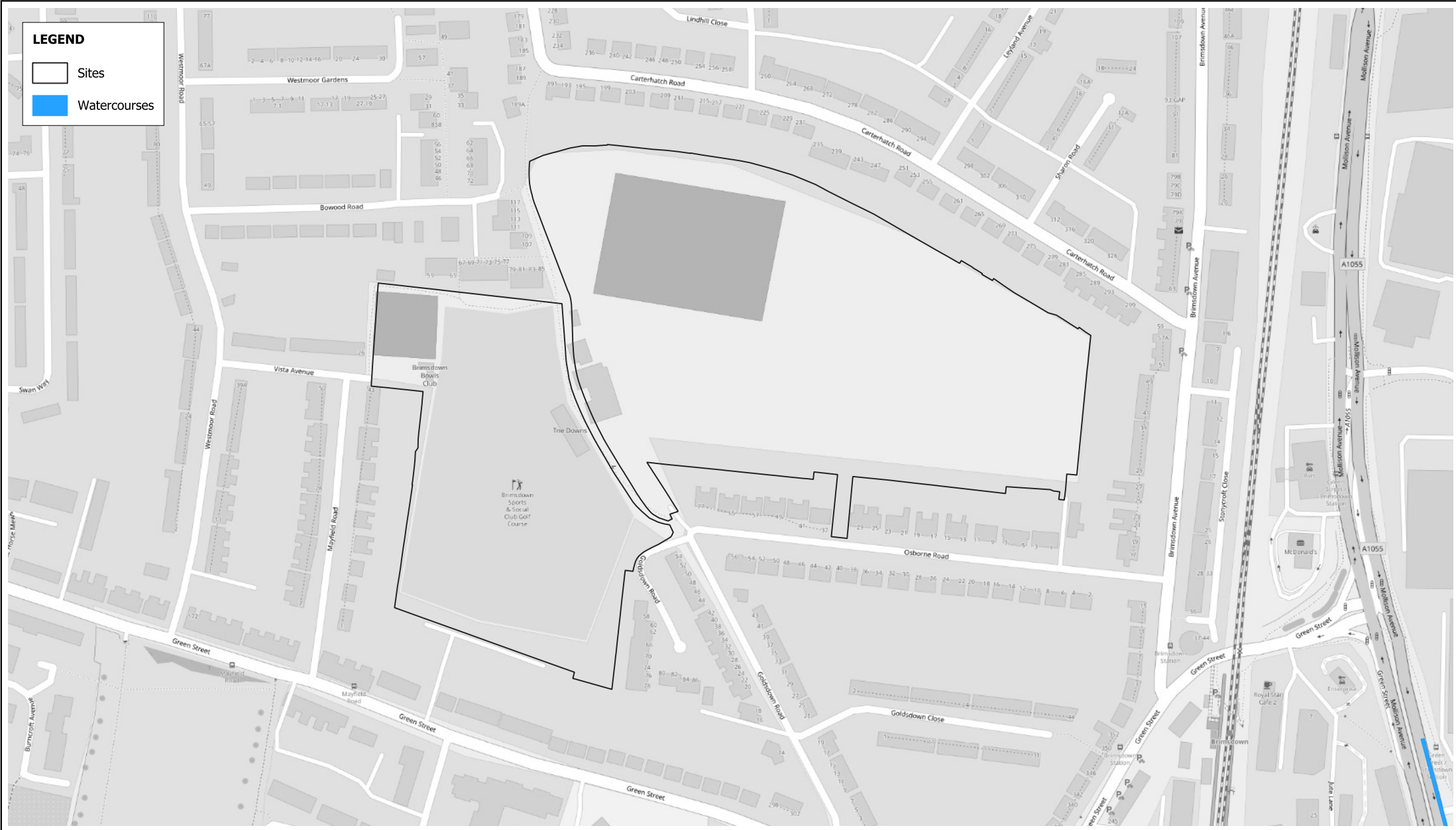
Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

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

Figure:
U.01 - (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: **U.01 - (03)**




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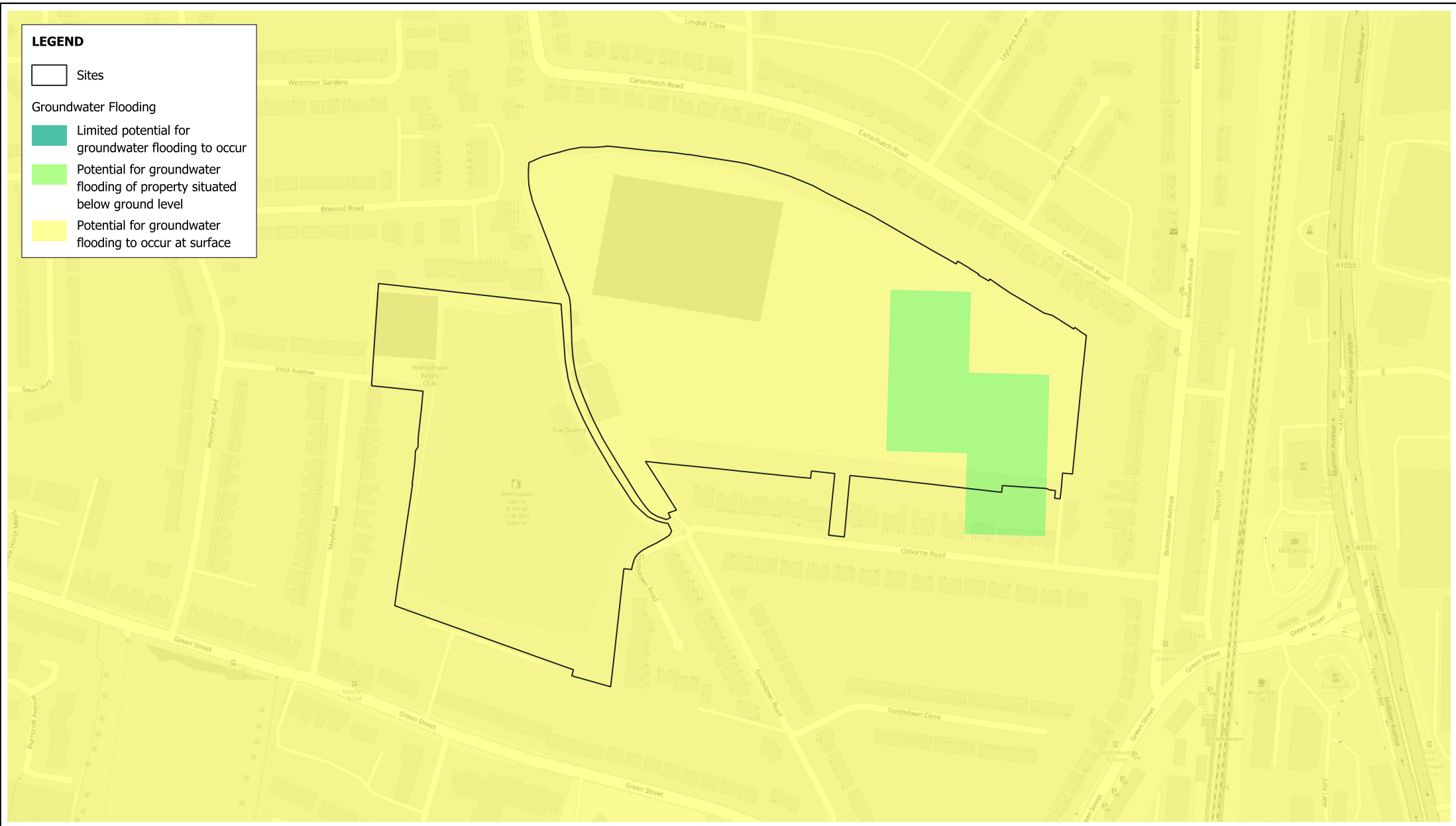


LEGEND

□ 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

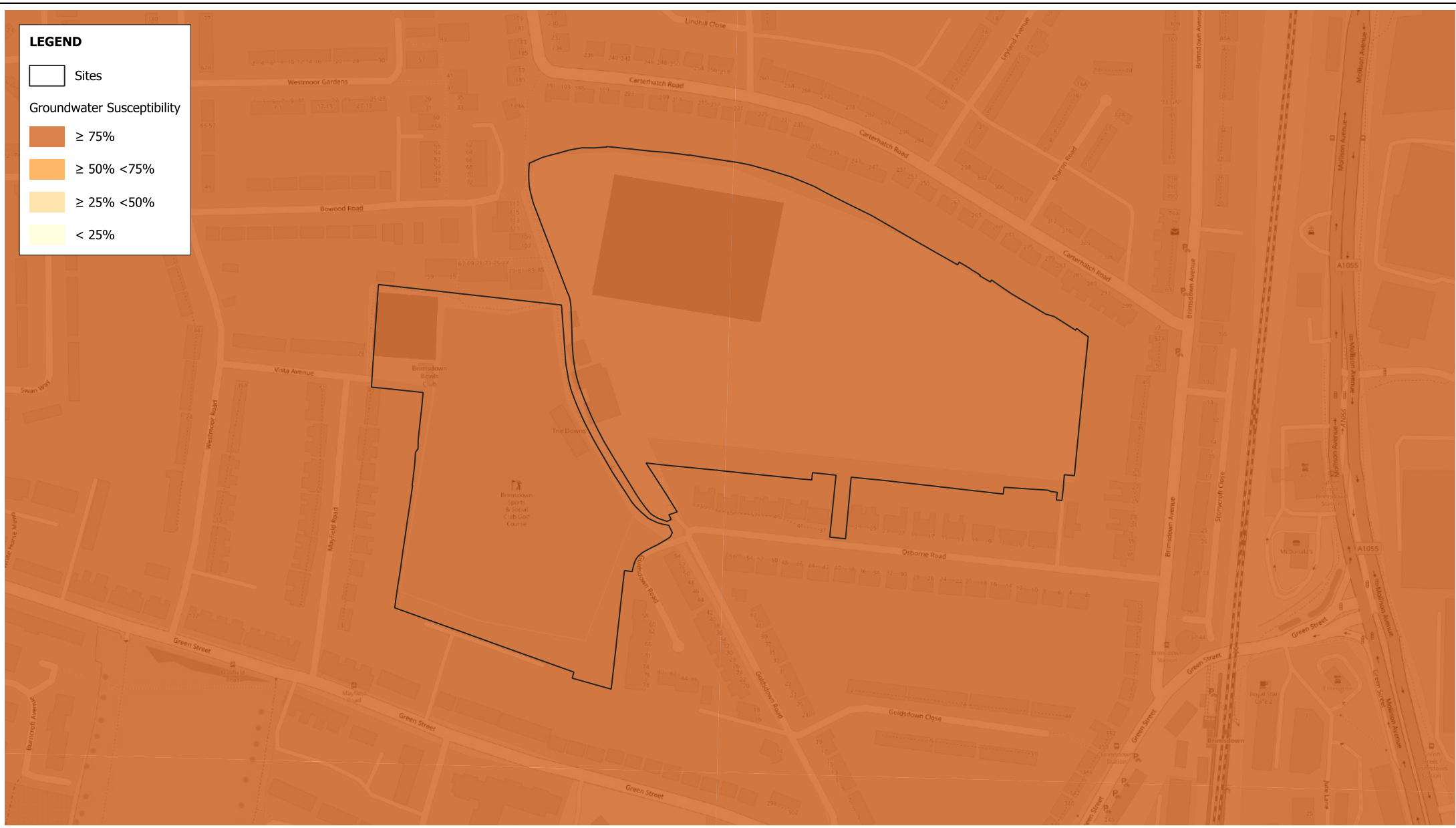
Dataset : BGS dataset received by
BMT on 06/2023
Background : OSM 24/10/2024

Figure:

U.01 - (04)

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Groundwater Susceptibility

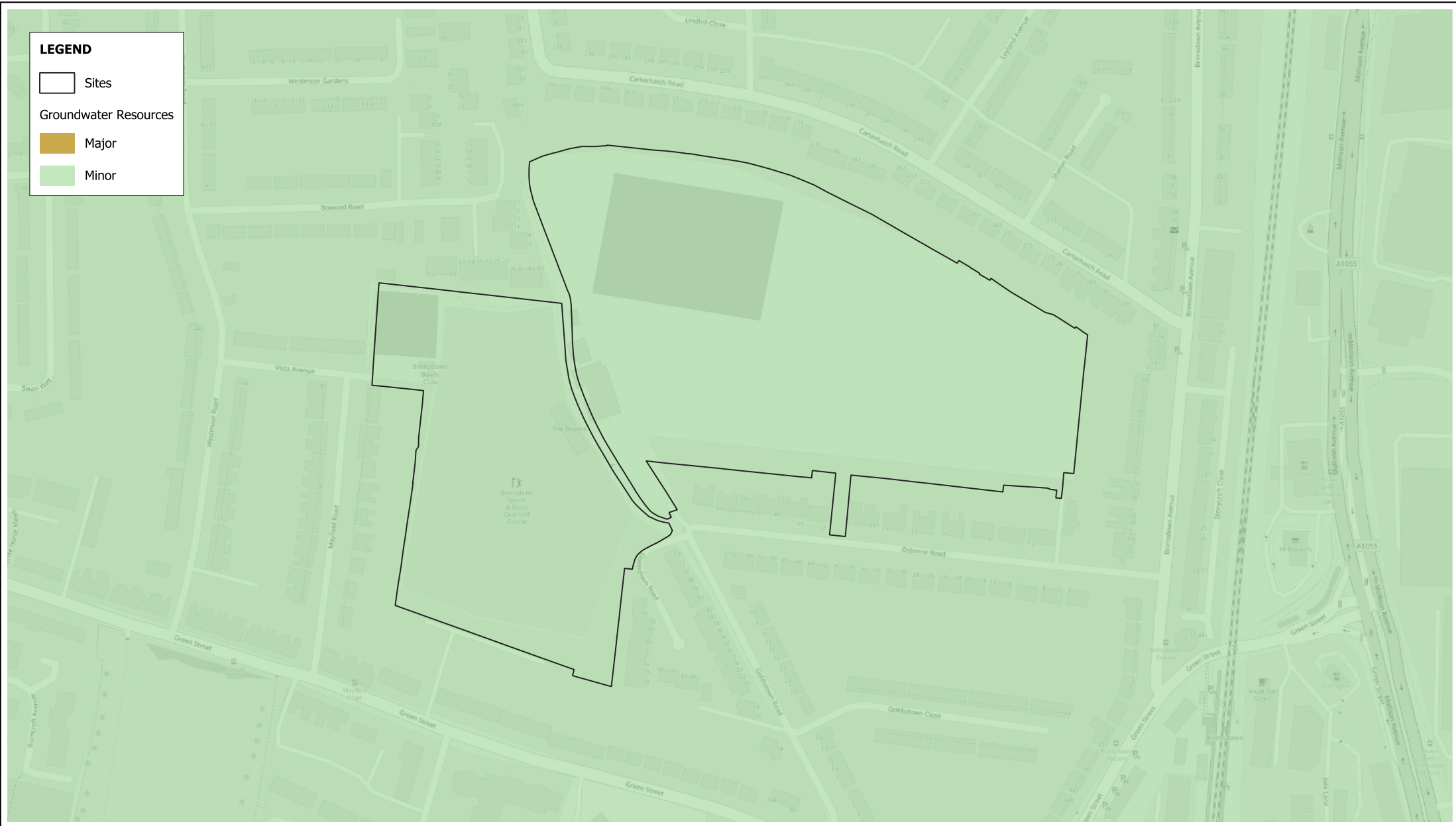
Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

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

Figure:
U.01 - (05)

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LEGEND

- Sites
- Groundwater Resources**
- Major
- Minor

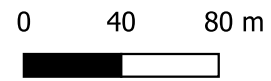
Groundwater Resources

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:
U.01 - (06)

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LEGEND

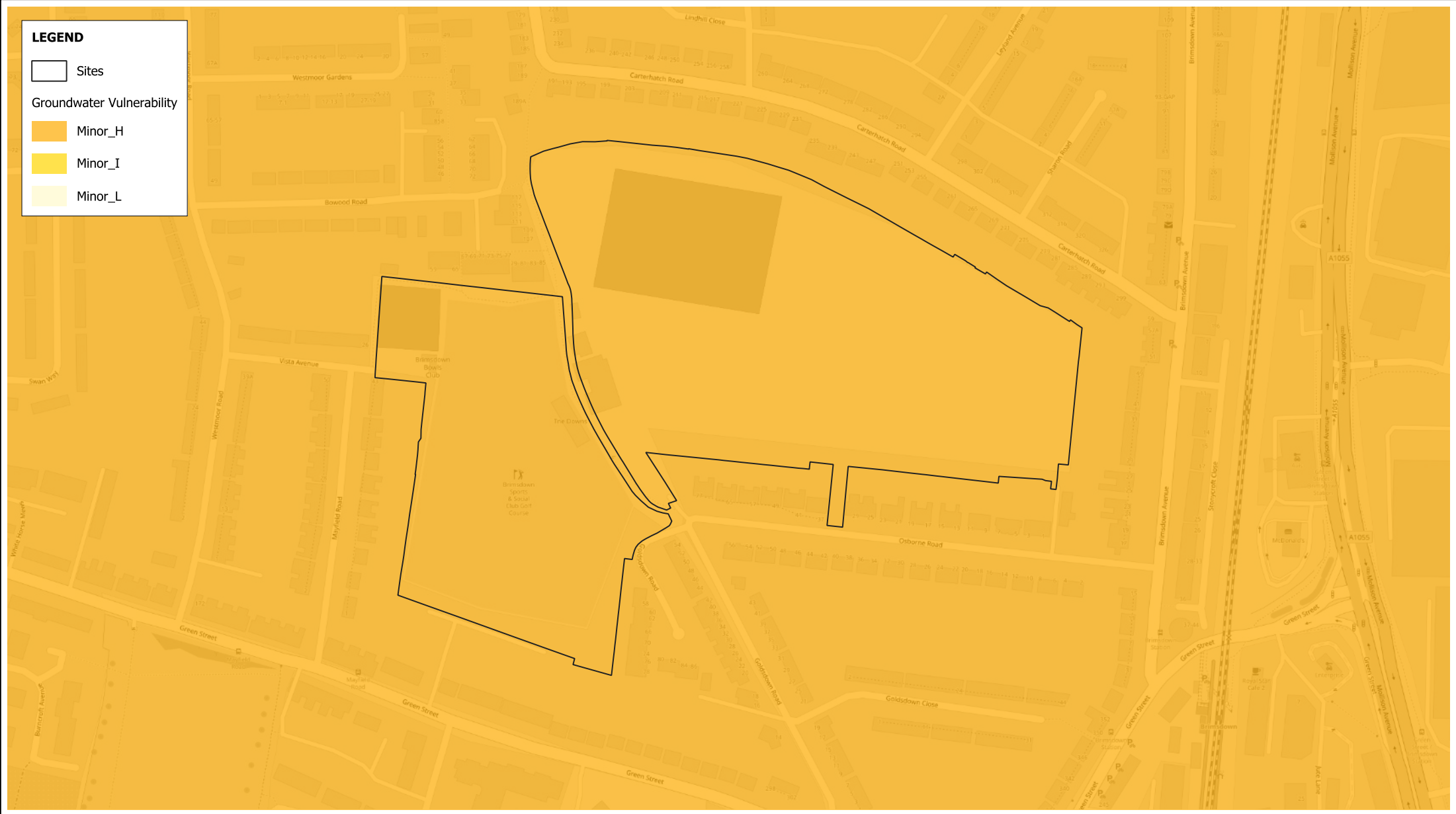
□ Sites

Groundwater Vulnerability

Minor_H

Minor_I

Minor_L



Groundwater Vulnerability

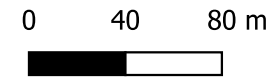
Projection : British National Grid
Produced by BMT
Production date : 24/10/2024

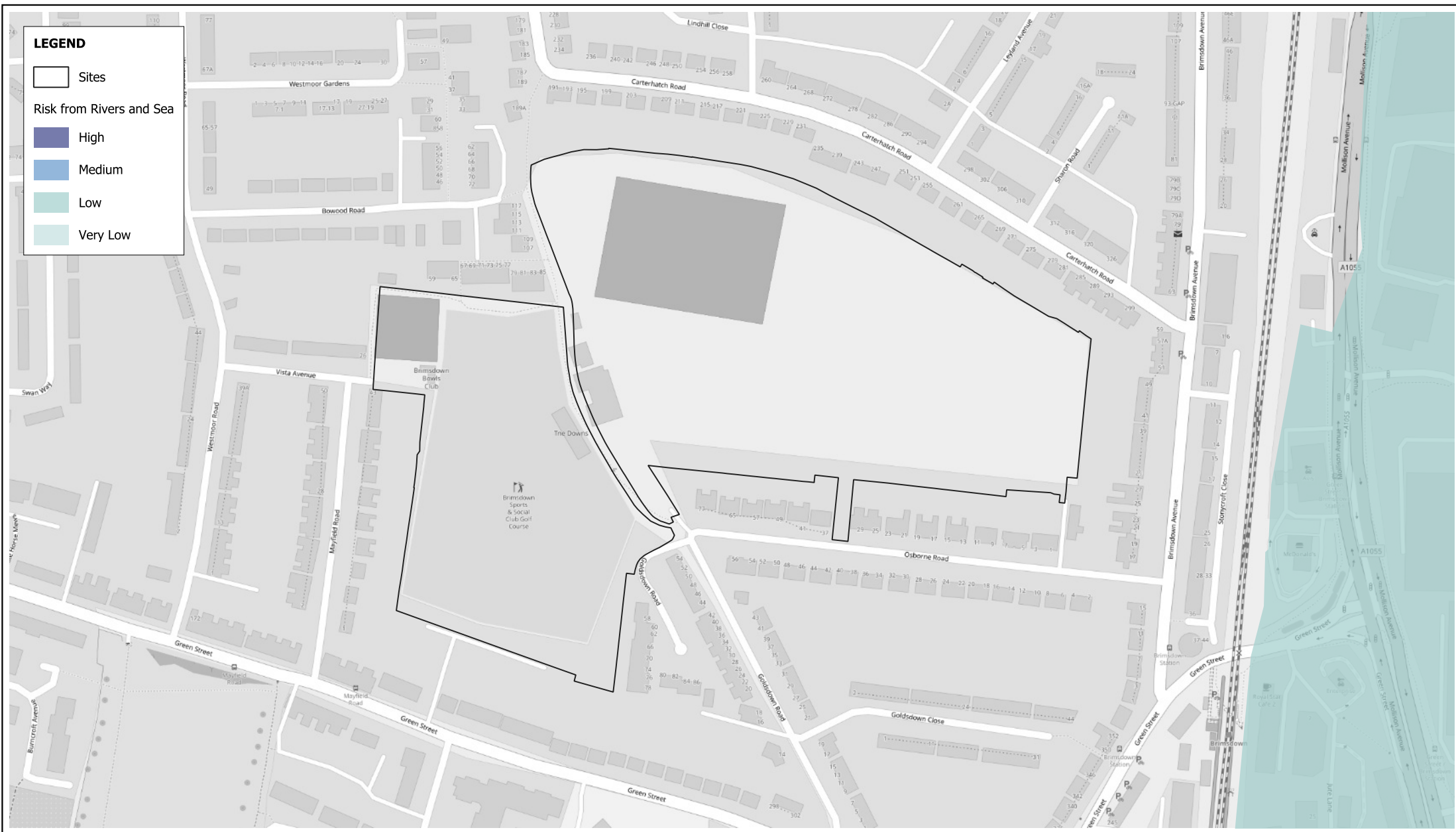
Dataset : EA dataset provided by
London Borough of Enfield on 02/2016
Background : OSM 24/10/2024

Figure:

U.01 - (07)

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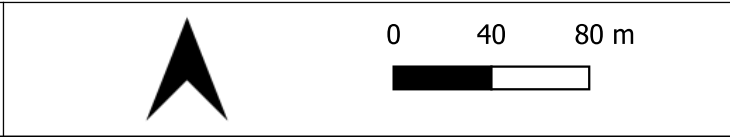
Risk from Rivers and Sea

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

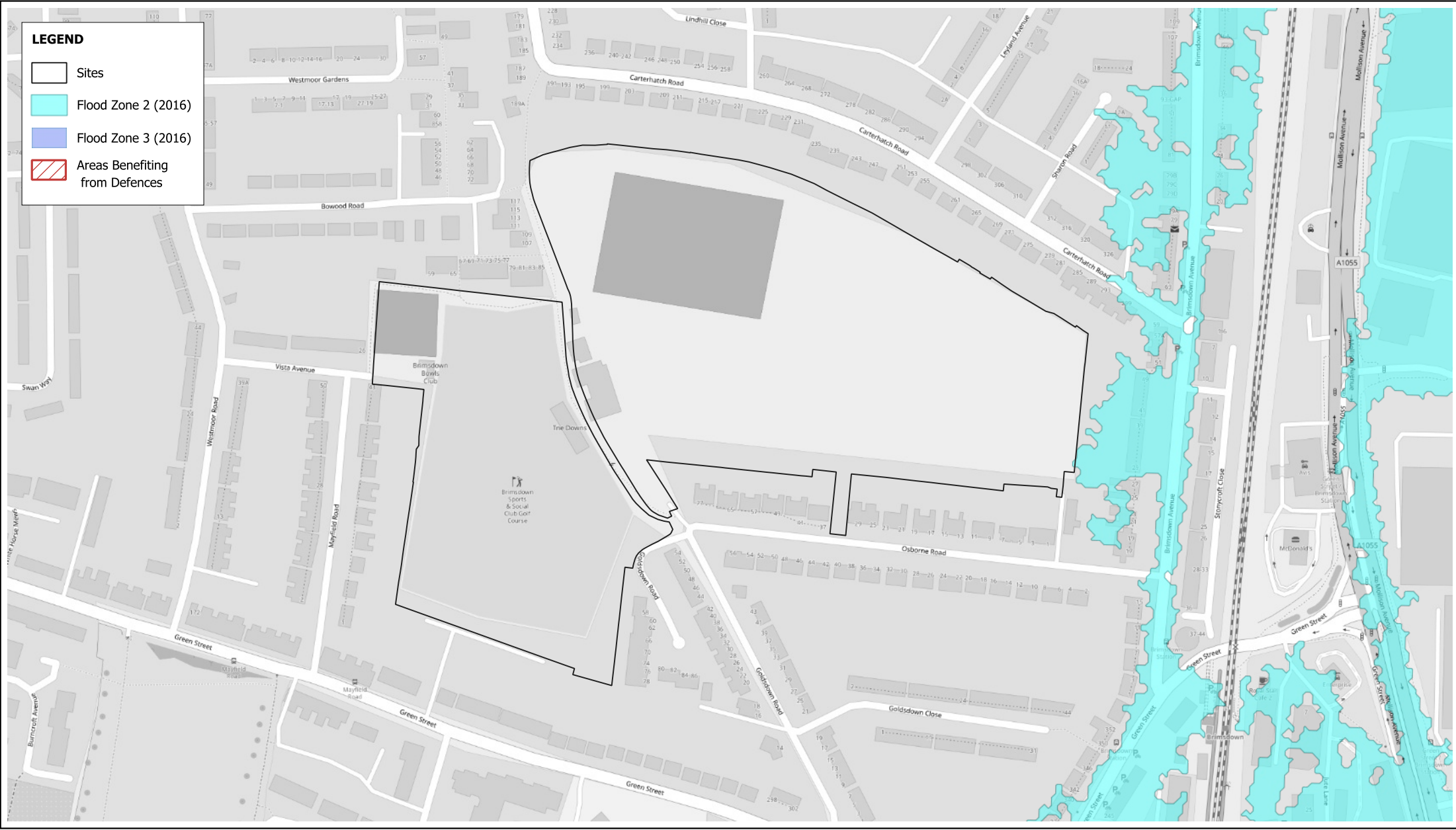
Figure:
U.01 - (08)

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LEGEND

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



Flood Zones (provided 2016)

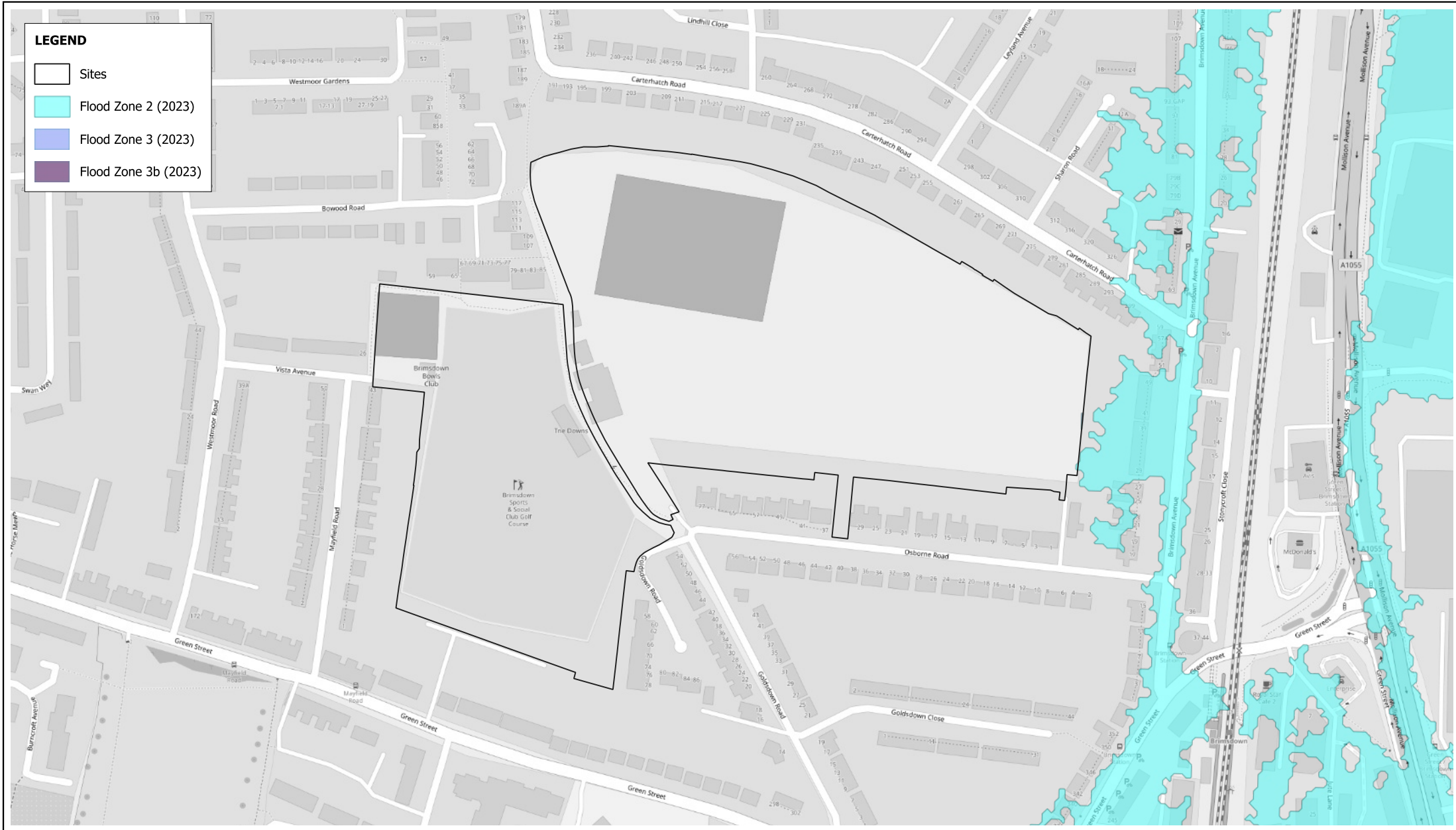
Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

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

Figure:
U.01 - (09)

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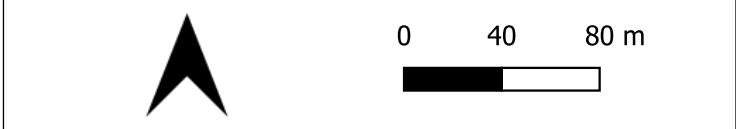
Flood Zones (provided 2023)





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

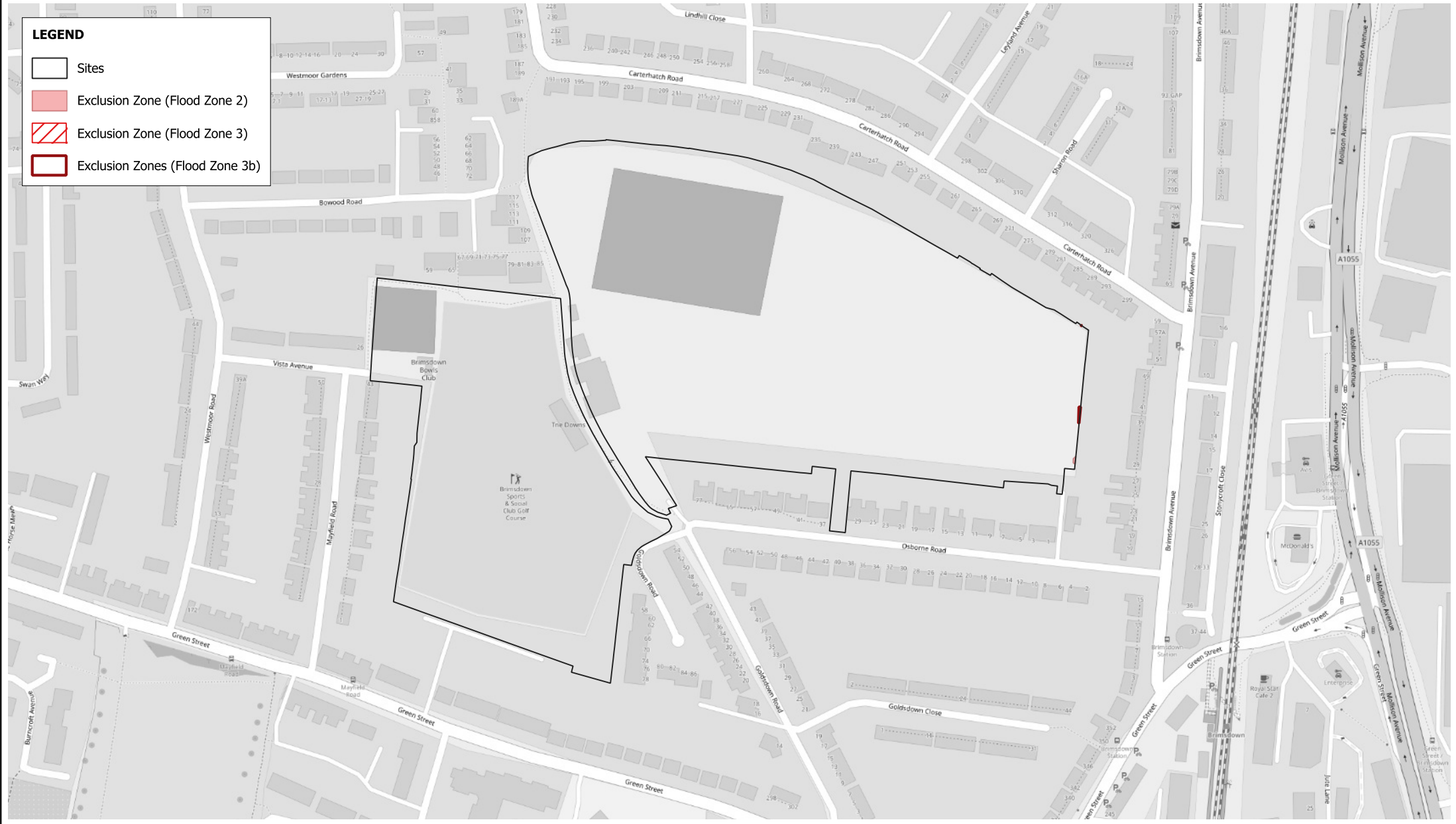
Dataset : EA datasets provided by
 London Borough of Enfield on 05/2023
 Background : OSM 24/10/2024

Figure:
U.01 - (10)

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



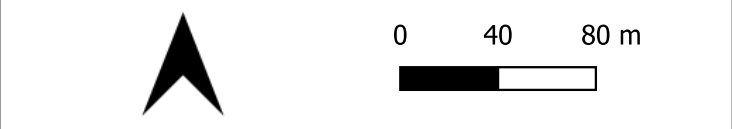
Exclusion Zones

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

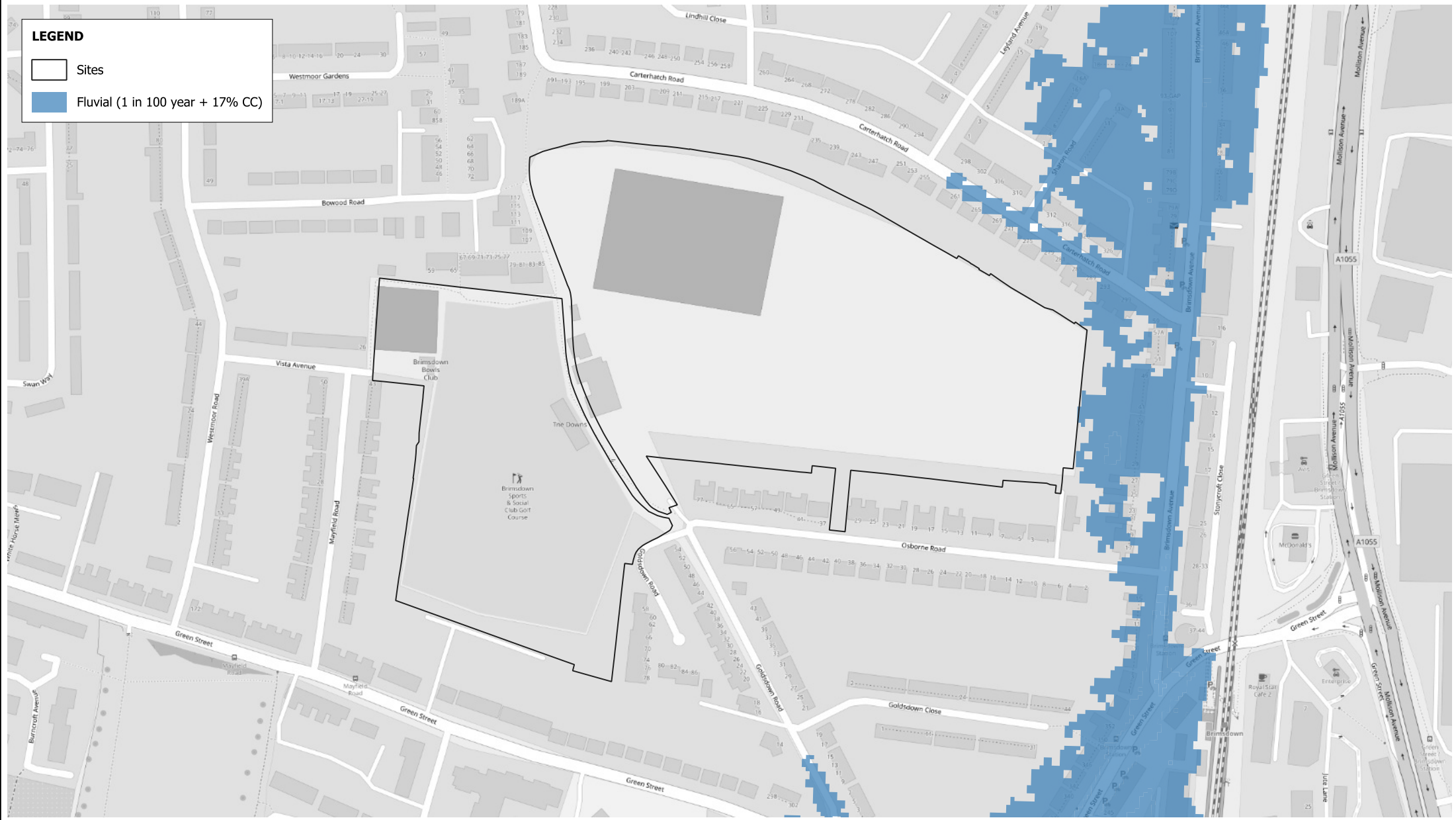
Figure:
U.01 - (11)

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LEGEND

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



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

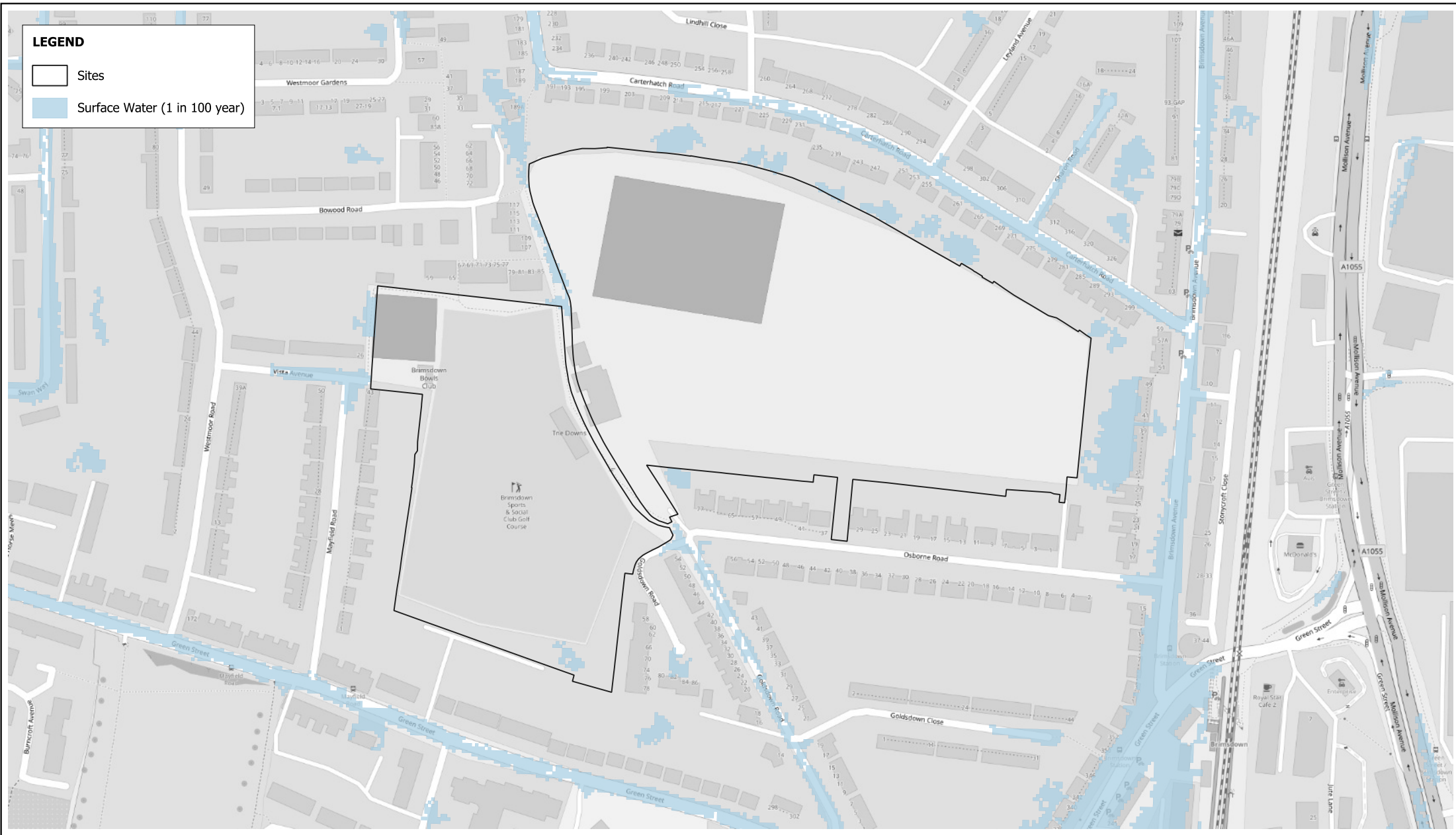
Projection : British National Grid
Produced by BMT
Production date : 24/10/2024

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

Figure:
U.01 - (12)

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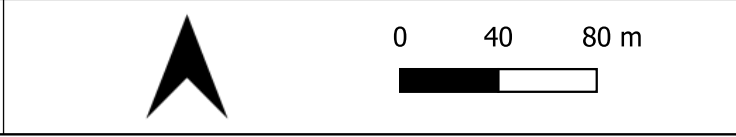
Surface Water Flooding (1 in 100 year)

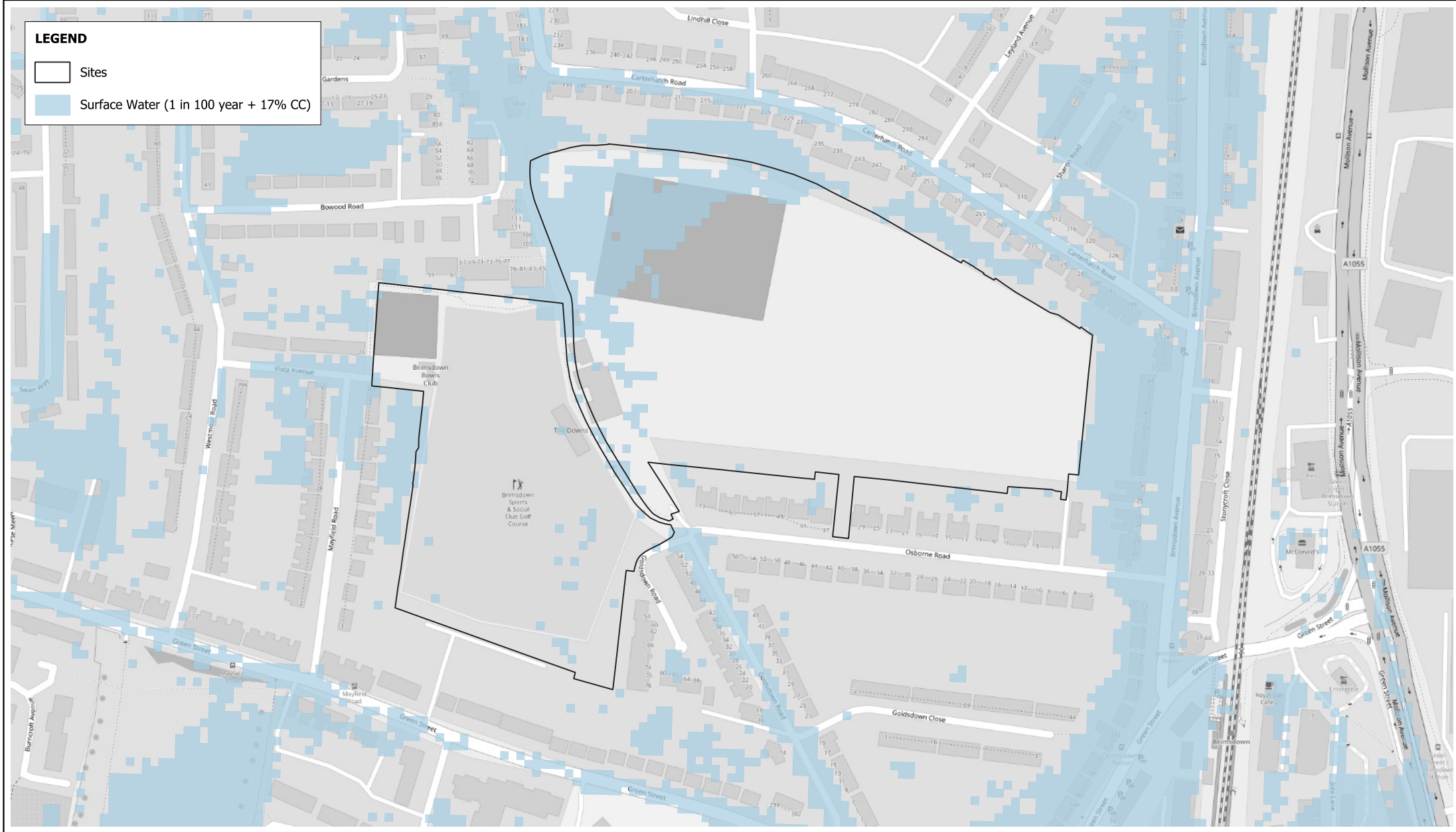
Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

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

Figure:
U.01 - (13)

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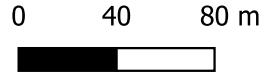
Surface Water Flooding (1 in 100 year + 17% CC)

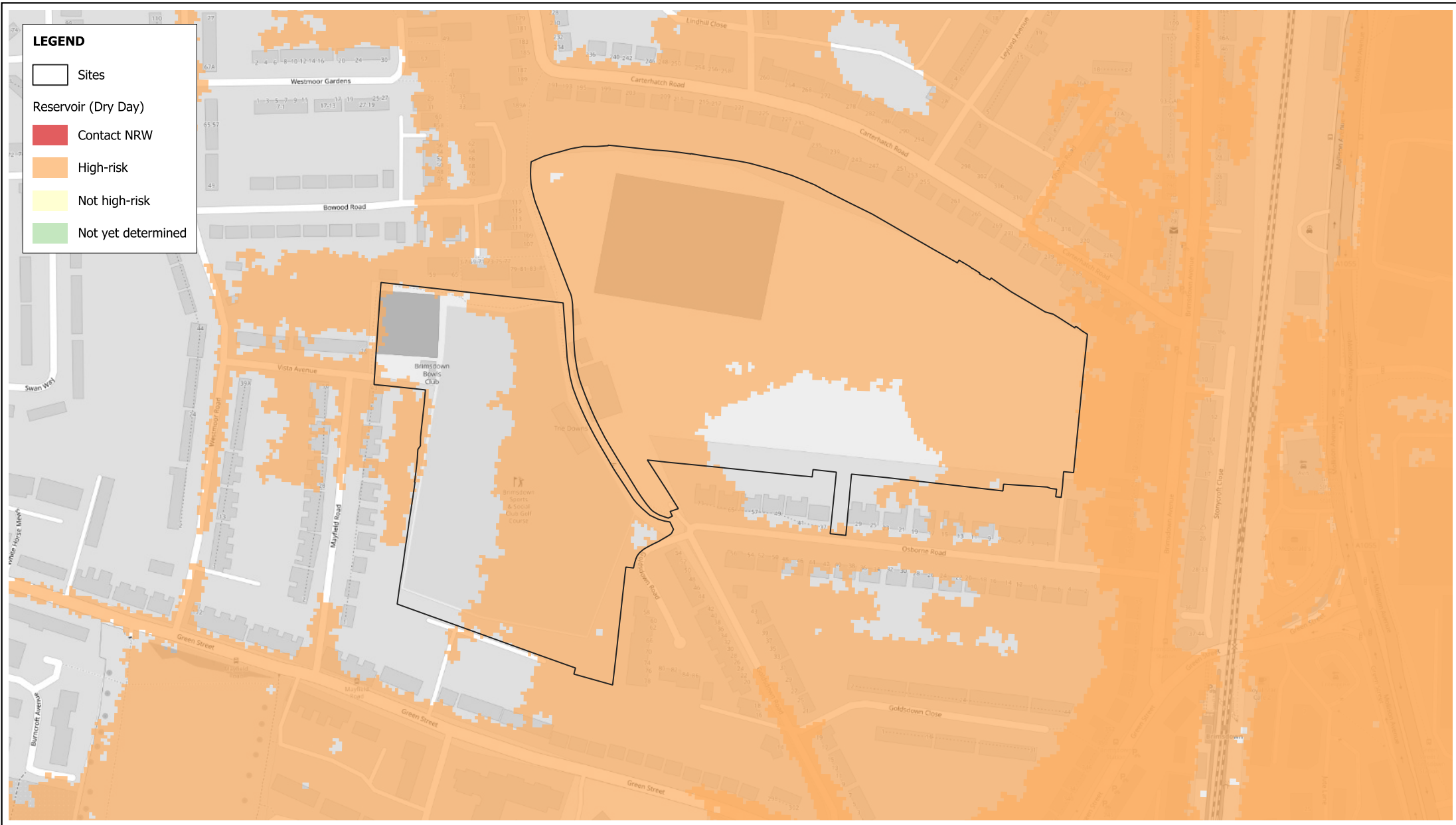
Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

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

Figure:
U.01 - (14)

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Risk of Flooding from Reservoirs (Dry Day)

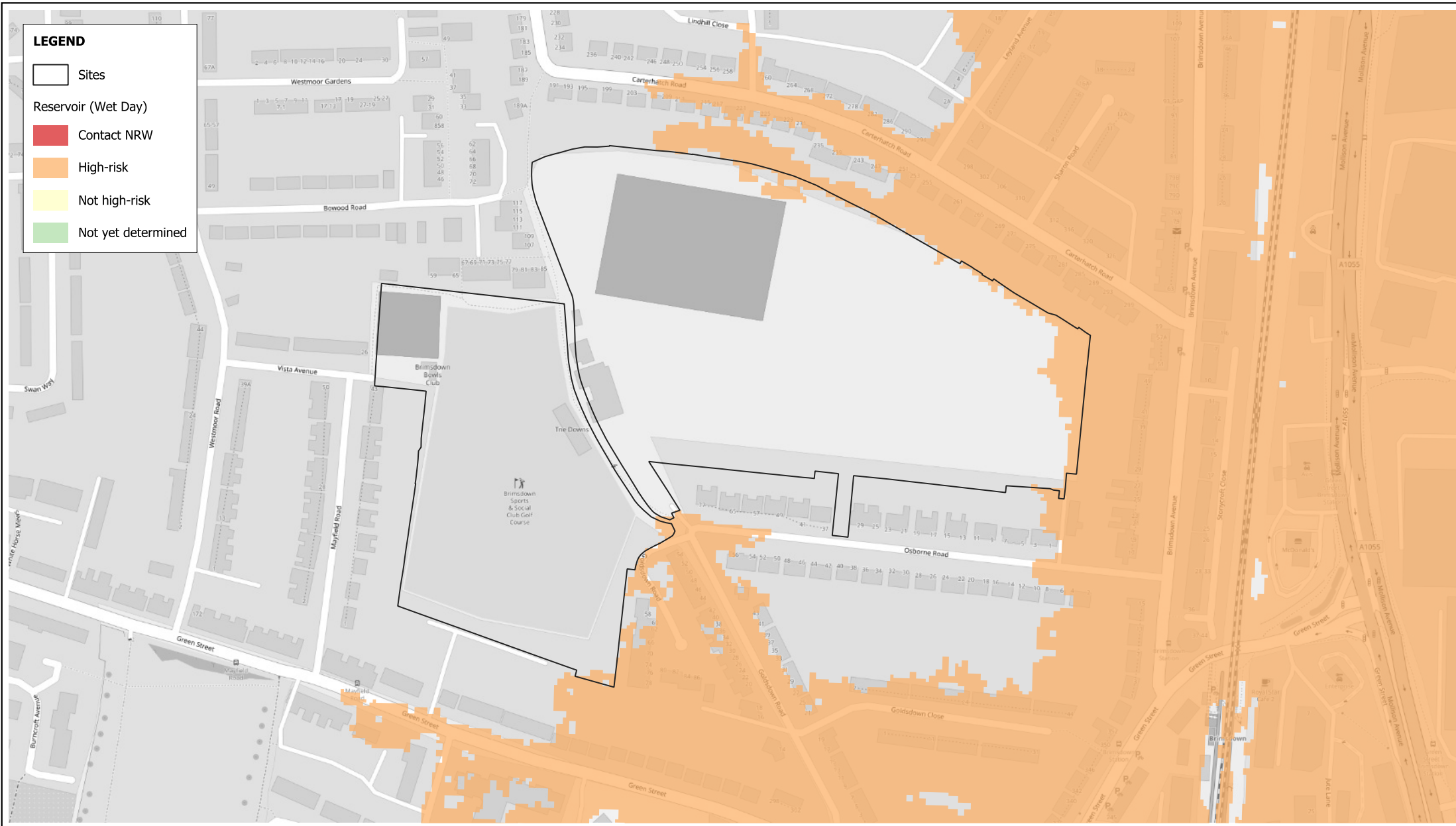
Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

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

Figure:
U.01 - (15)

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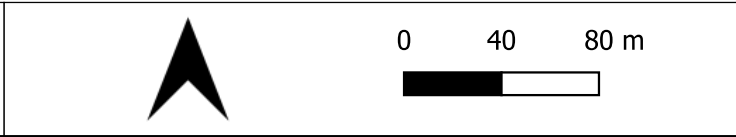
Risk of Flooding from Reservoirs (Wet Day)

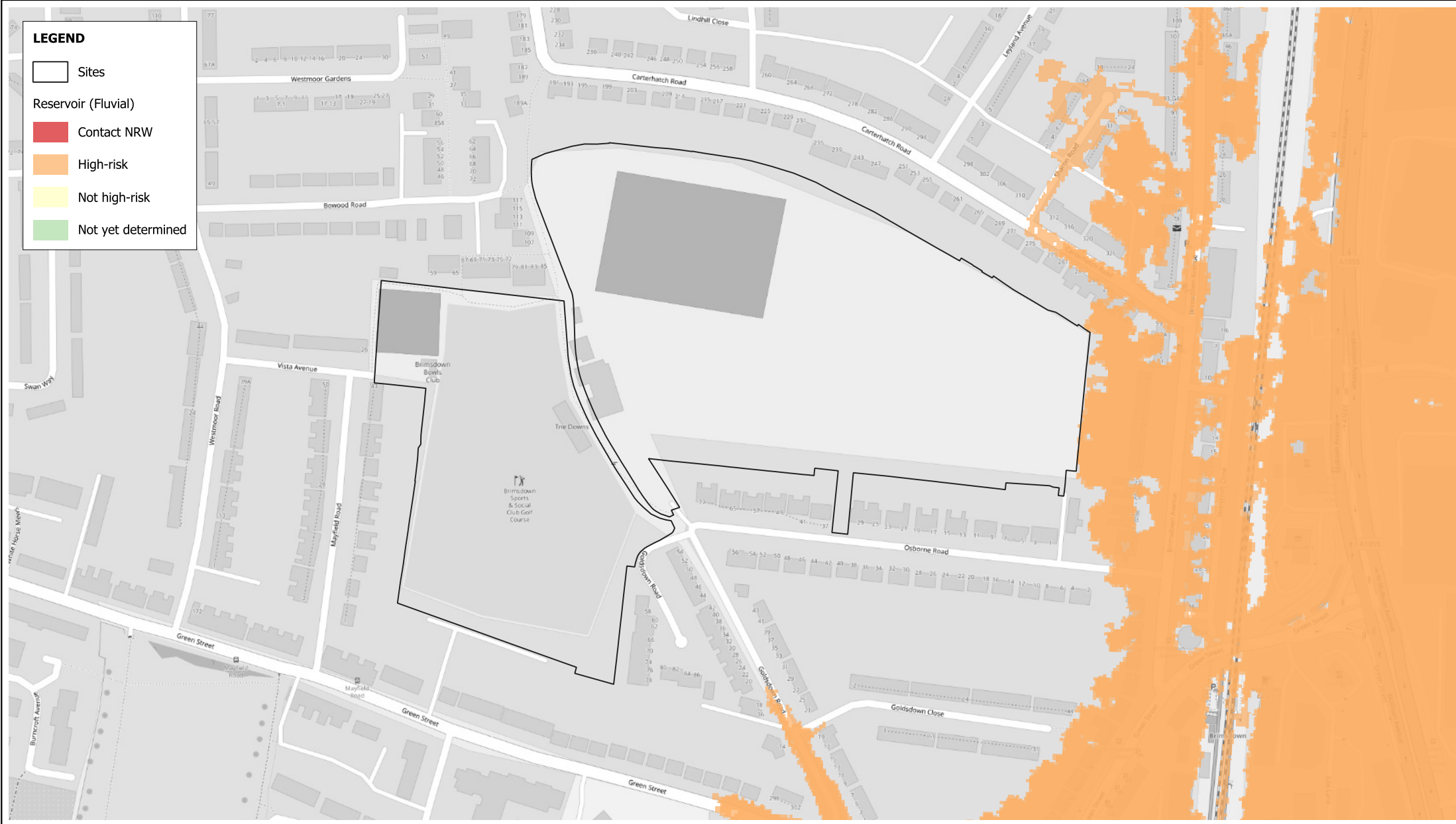
Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

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

Figure:
U.01 - (16)

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Risk of Flooding from Reservoirs (Fluvial)

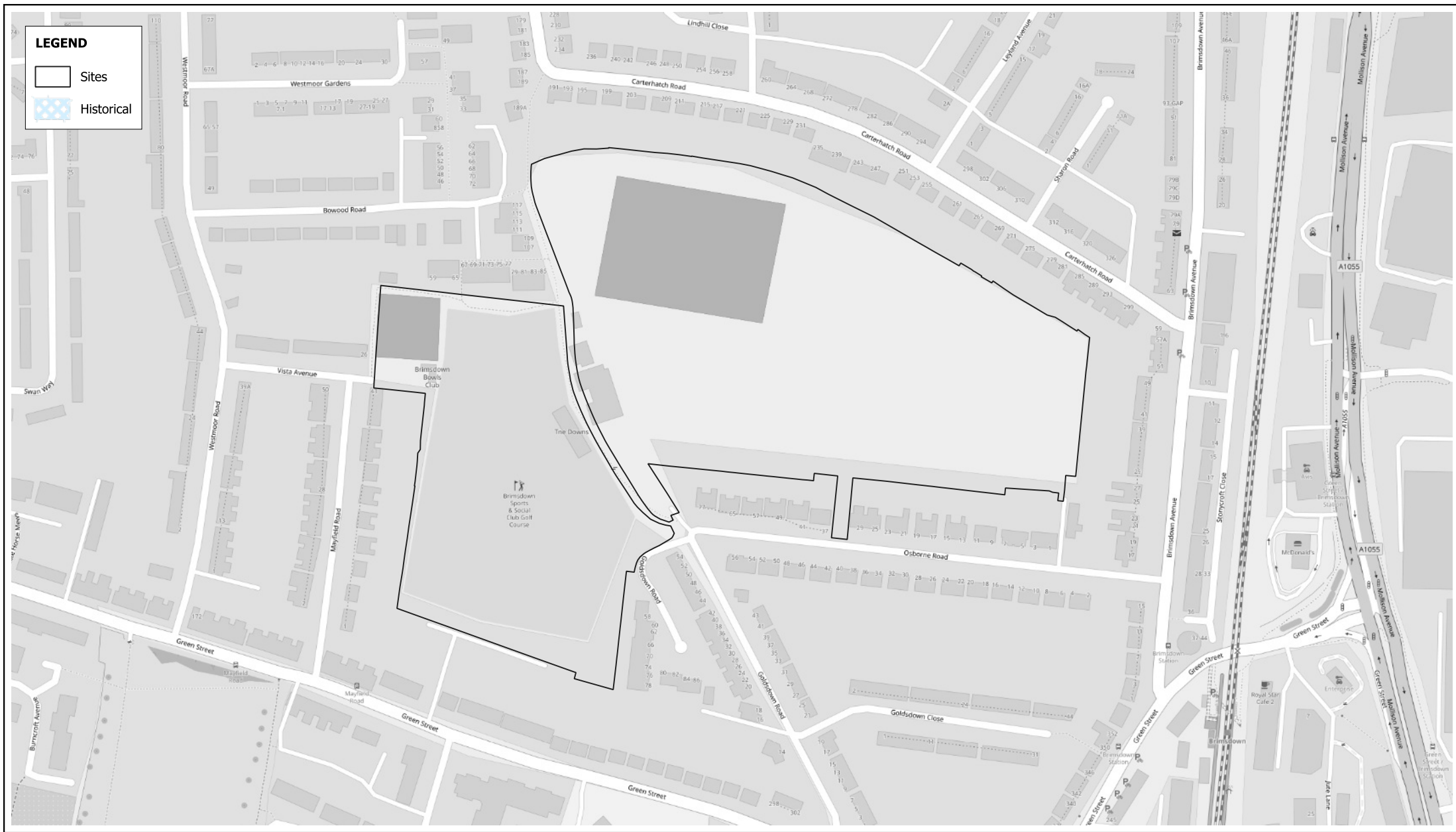
Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

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

Figure:
U.01 - (17)

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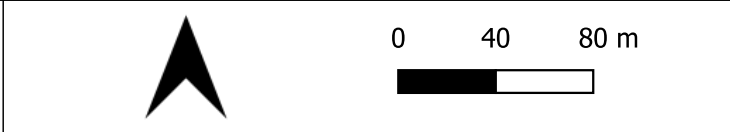
Historic Flood Areas

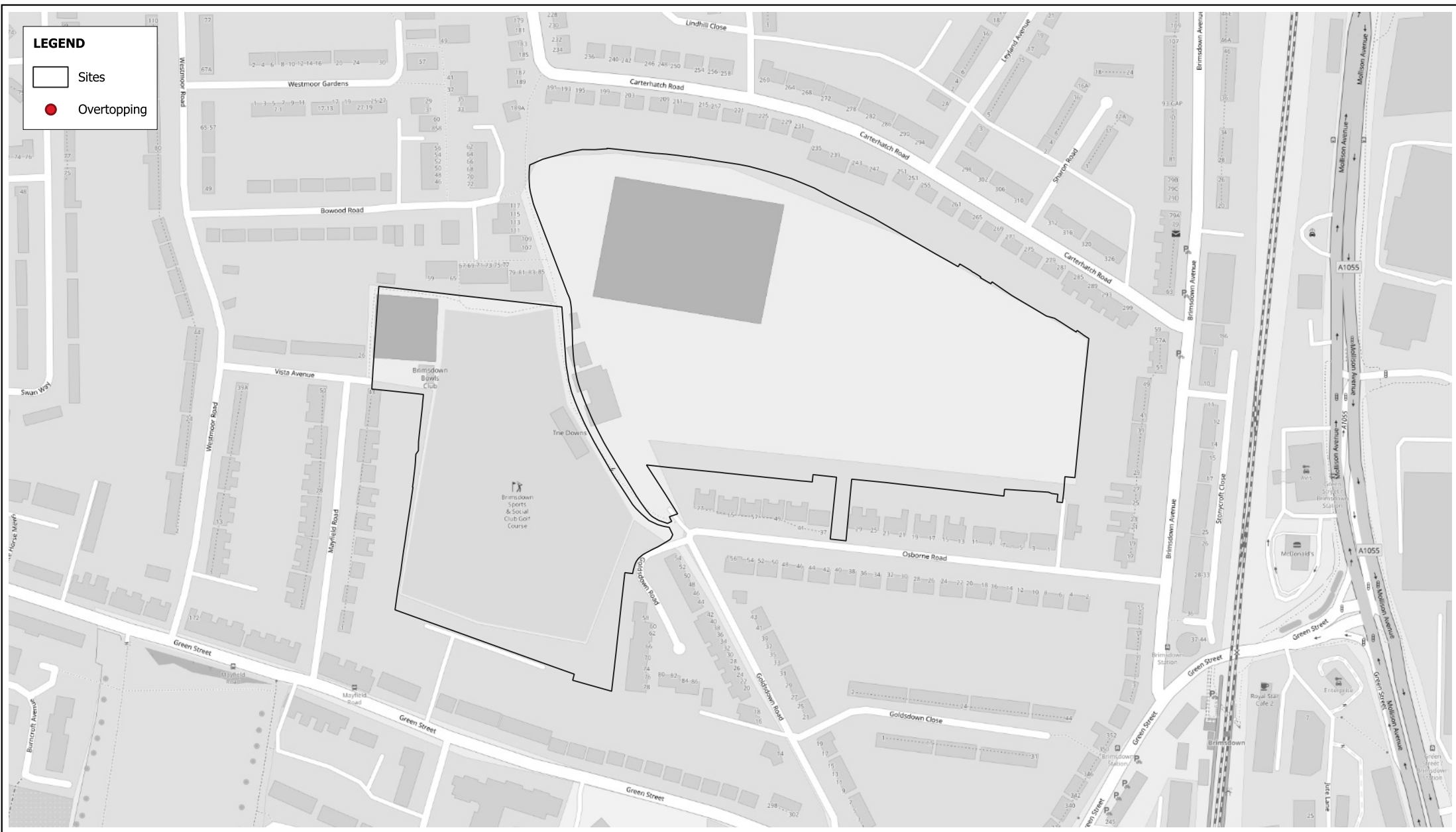
Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

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

Figure:
U.01 - (18)

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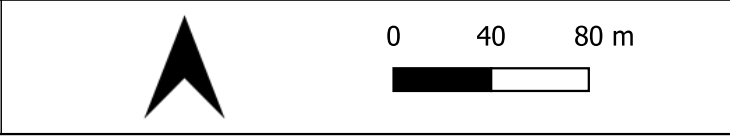
Overtopping (Canals and other artificial bodies)

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

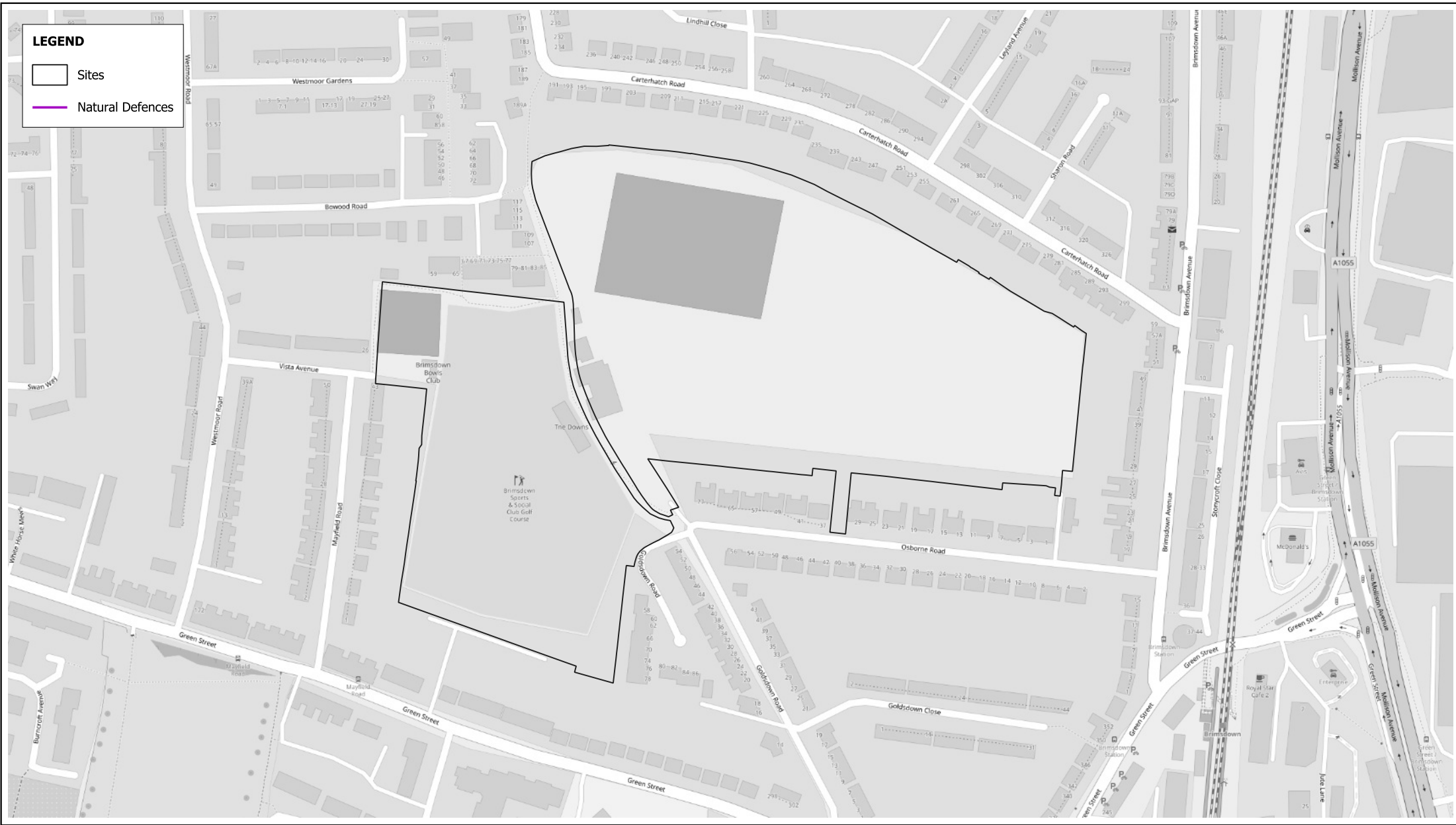
Figure:
U.01 - (19)

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LEGEND

-  Sites
-  Natural Defences



Natural Defences

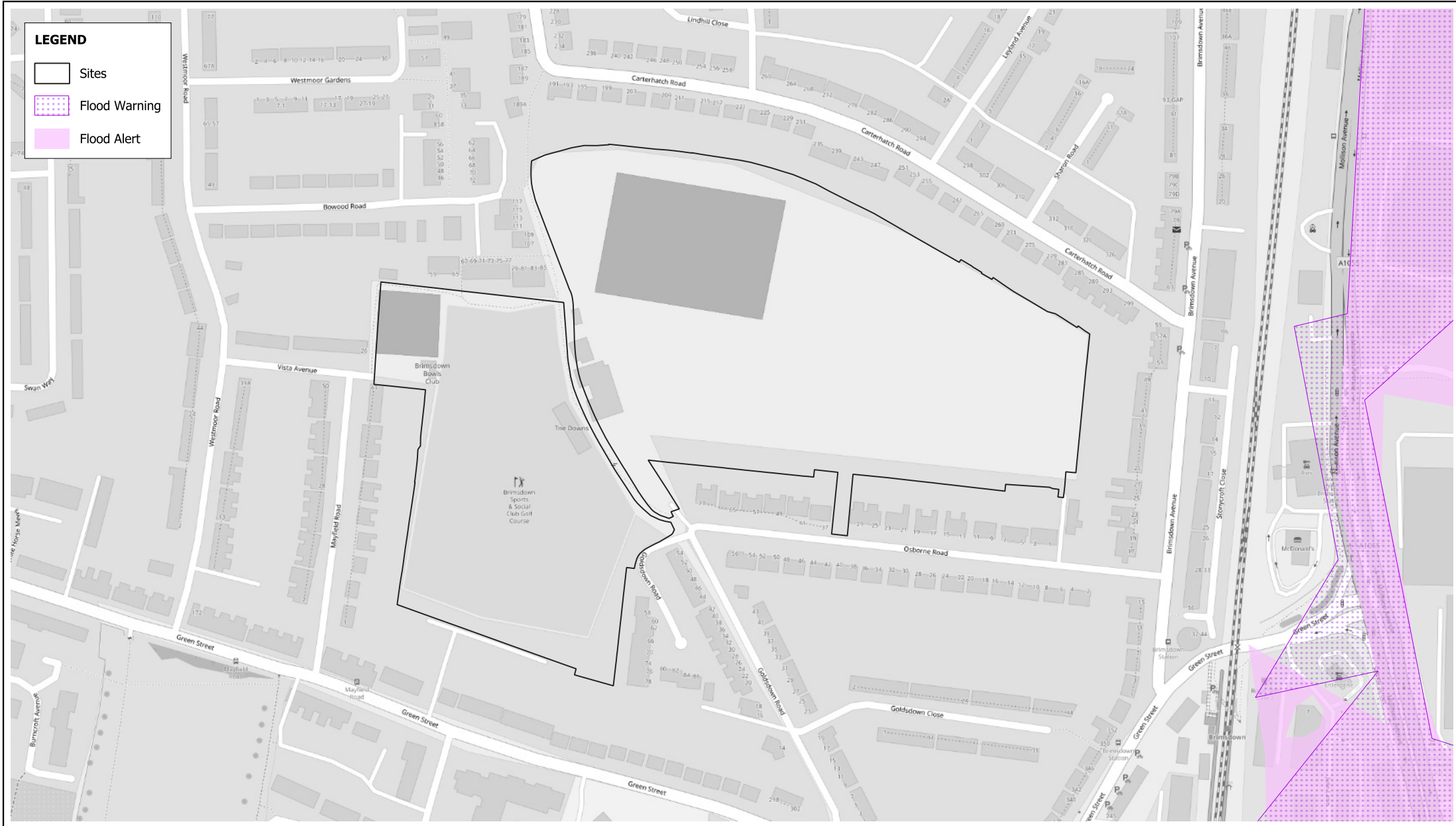
Projection : British National Grid
Produced by BMT
Production date : 24/10/2024

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

Figure:
U.01 - (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:
U.01 - (21)

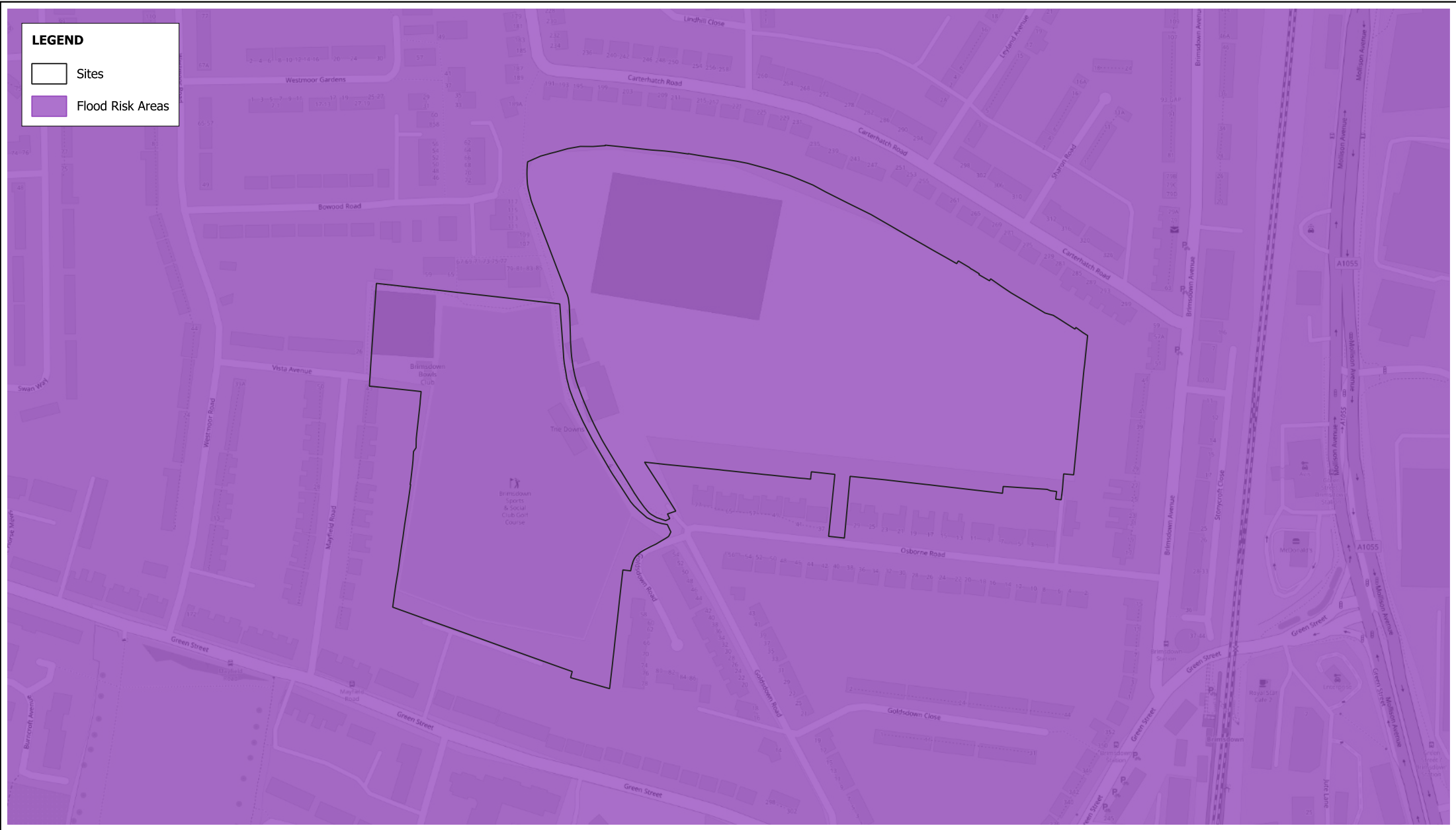
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LEGEND

 Sites

 Flood Risk Areas



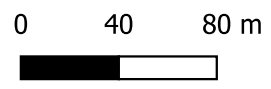
Flood Risk Areas

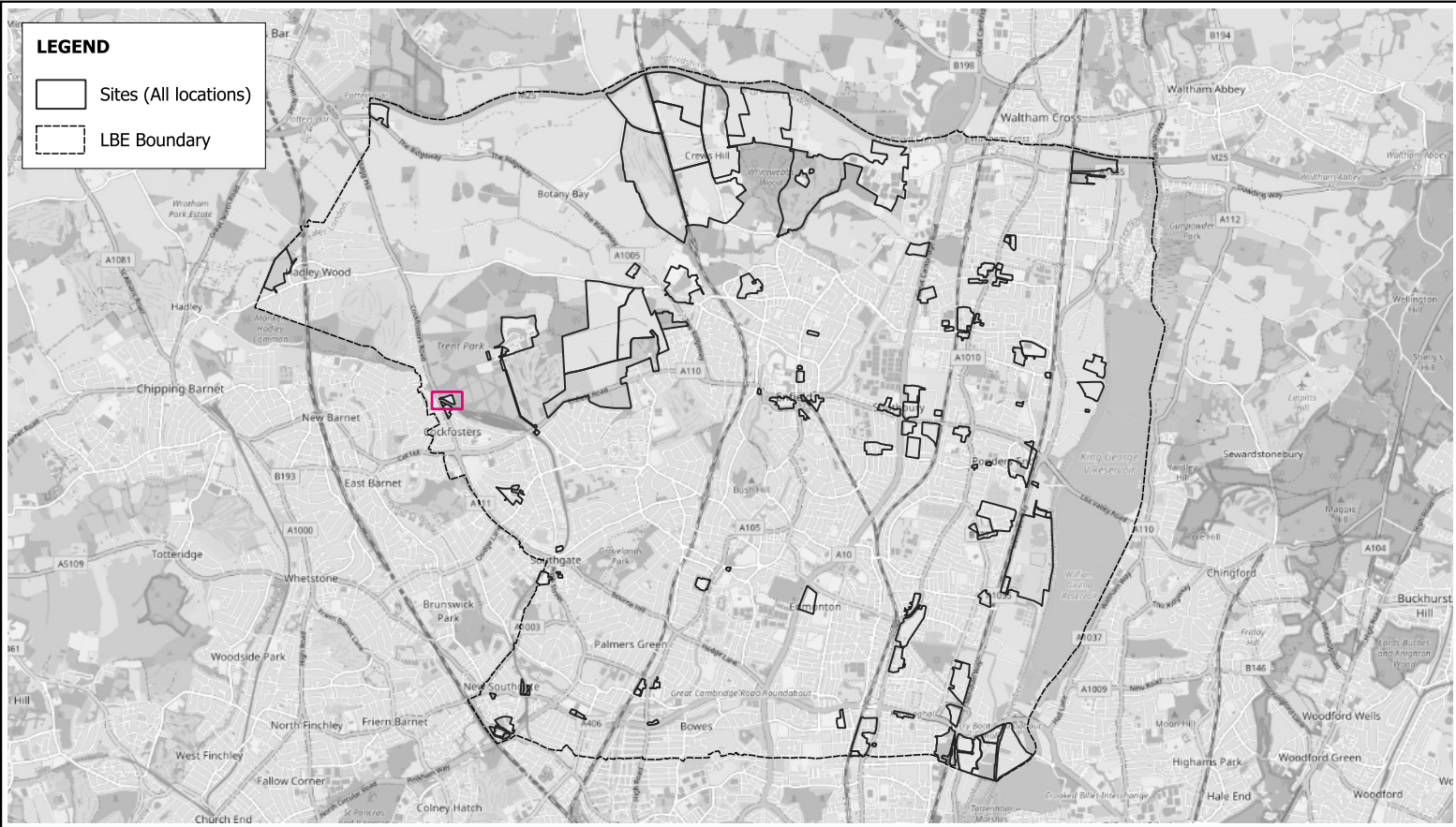
Projection : British National Grid
Produced by BMT
Production date : 24/10/2024

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

Figure:
U.01 - (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: U.02 - (01)
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Address	Cockfosters Station Car Park (Parcel A & B) Cockfosters Road, Barnet	Flood Zones 2016 (Ha)	FZ 2: None, FZ 3: None
Postcode	EN4 0BX	Flood Zones 2023 (Ha)	FZ 2: None, FZ 3: None, FZ 3b: None
Ward	Cockfosters	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)	0.01 (1%)
Area (Ha)	1.41	Pluvial Flooding (1 in 100 year + 17% CC) (Ha)	0 (0%)
Watercourses	Not 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%: 1.41 (100%)	Risk of Flooding from Reservoirs (Dry Day) (Ha)	None
Minor and Major Resource Coverage (Ha)	Major: 0 (0%), Minor: 1.41 (100%)	Historic Flooding (Ha)	0 (0%)
Resource Classifications	Minor H	Overtopping Locations	No overtopping has occurred within site
Flood Risk Area (Ha)	1.41 (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.

LEGEND

☐ Sites

300 IGNEOUS ROCKS	400 METAMORPHIC ROCKS	100 CLASTIC SEDIMENTARY ROCKS	200 SEDIMENTARY ROCKS (CHEMICAL OR BIOGENIC)
310 ACID TO INTERMEDIATE PLUTONIC ROCKS	410 WEAKLY METAMORPHIC ROCKS	110 SANDSTONE AND CONGLOMERATE	211 LIMESTONE AND CLASTIC ROCKS
311 GRANITE	420 ACID REGIONAL METAMORPHIC ROCKS	120 PSEPHITE OR RUDITE	212 LIMESTONE
313 DIORITE	423 MICASCHIST	111 CONGLOMERATE	213 DOLOSTONE
340 ACID TO INTERMEDIATE VOLCANIC ROCKS	424 GNEISS	120 P SAMMITE OR ARENITE	215 CHALK
341 RHYOLITE	430 BASIC REGIONAL METAMORPHIC ROCKS	121 SANDSTONE	221 EVAPORITES (GYPSUM)
320 BASIC PLUTONIC ROCKS	431 GREENSCHIST	1212 FERRUGINOUS SANDSTONE	
321 GABBRO	440 ULTRABASIC REGIONAL METAMORPHIC ROCKS	123 GREYWACKE	
350 BASIC TO ULTRABASIC VOLCANIC ROCKS	441 SERPENTINITE	130 PELITE, ARGILLITE OR LUTITE (MUDROCKS)	
351 BASALT	450 CALCAREOUS REGIONAL METAMORPHIC ROCKS	131 CLAYSTONE/MUDSTONE	
343 ANDESITE	470 TECTONIC BRECCIA	132 SILTSTONE	
370 PYROCLASTIC ROCKS			
371 TUFF			
	500 UNCONSOLIDATED MARINE/FLUVIAL		
	510 MARINE AND ESTUARINE SANDS		
	512 QUATERNARY MARINE/ESTUARINE SAND		
	521 PREQUATERNARY MARINE/ESTUARINE CLAY/SILT		
	522 QUATERNARY MARINE/ESTUARINE CLAY/SILT		
	600 UNCONSOLIDATED GLACIAL DEPOSITS		
610 MORAINIC DEPOSITS	530 FLUVIAL SANDS AND GRAVELS		
611 GLACIAL TILL	531 RIVER TERRACE SAND/GRAVEL		
620 GLACIOFLUVIAL DEPOSITS	530 540 FLUVIAL CLAYS, SILTS SANDS AND GRAVEL		
621 OUTWASH SAND	541 RIVER CLAY AND SILT		
630 GLACIOLACUSTRINE DEPOSIT	542 RIVER LOAM		
	543 OVERBANK DEPOSITS		
700 LOESS	550 LAKE DEPOSITS		
711 LOAM LOESS			
712 SAND LOESS	800 ORGANIC		
720 EOLIAN SAND	810 PEAT		
	820 SLIME AND		
	830 COAL		

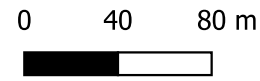
Soil Classification

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

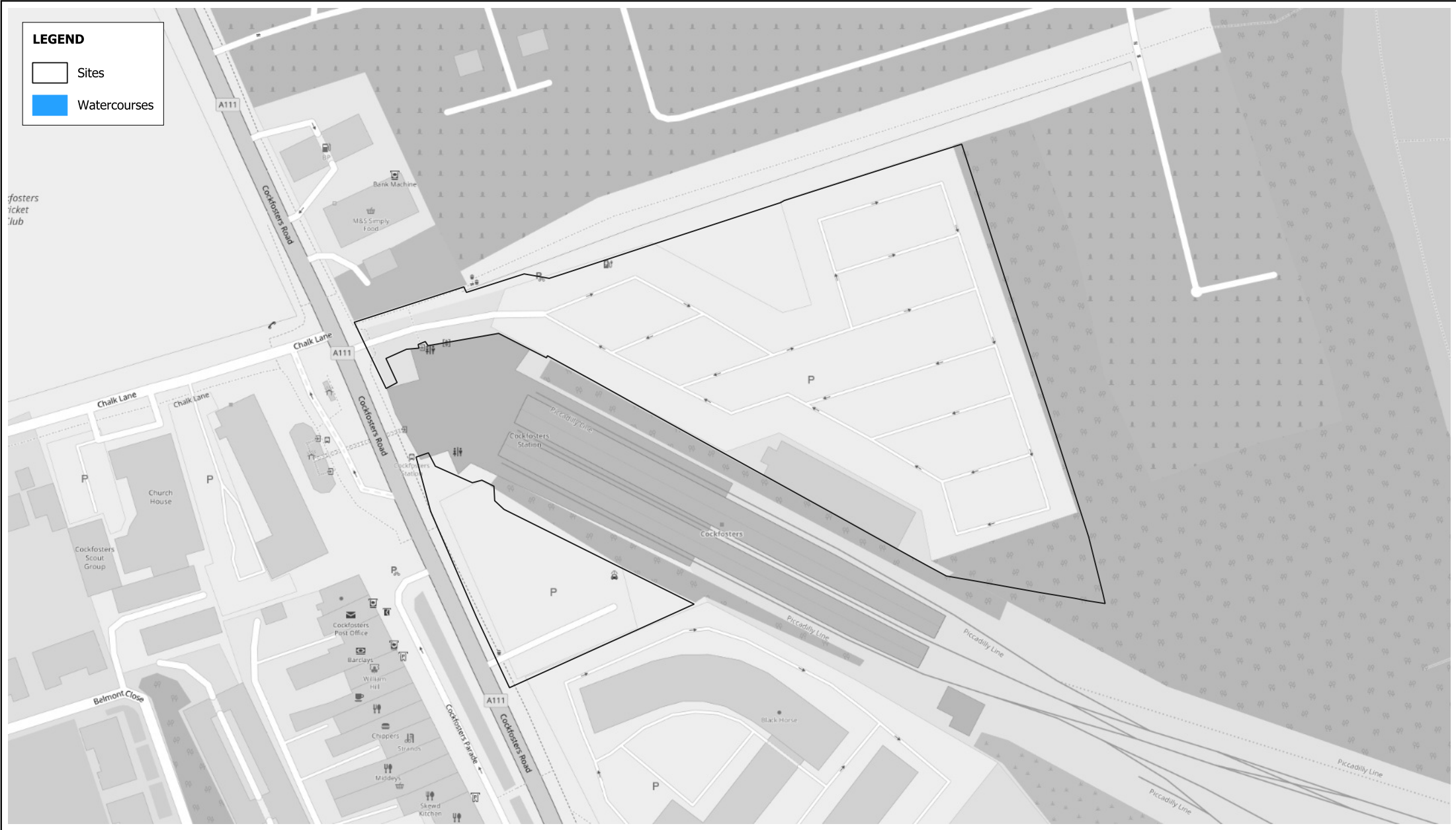
Figure:
U.02 - (02)

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LEGEND

-  Sites
-  Watercourses




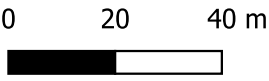
Main Watercourses

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: **U.02 - (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:
U.02 - (04)

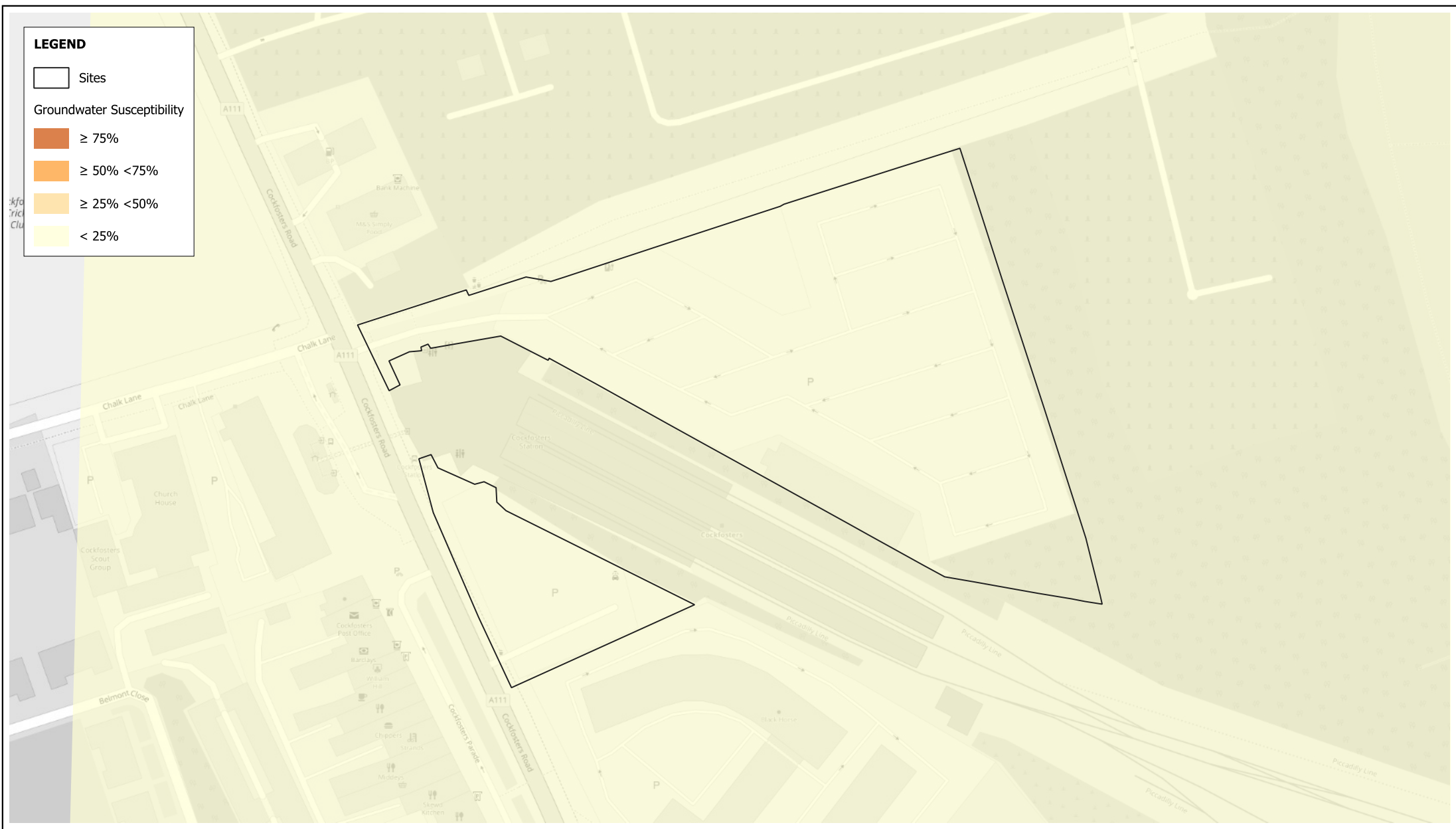
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0 20 40 m







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:
U.02 - (05)

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Groundwater Resources

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 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:
U.02 - (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

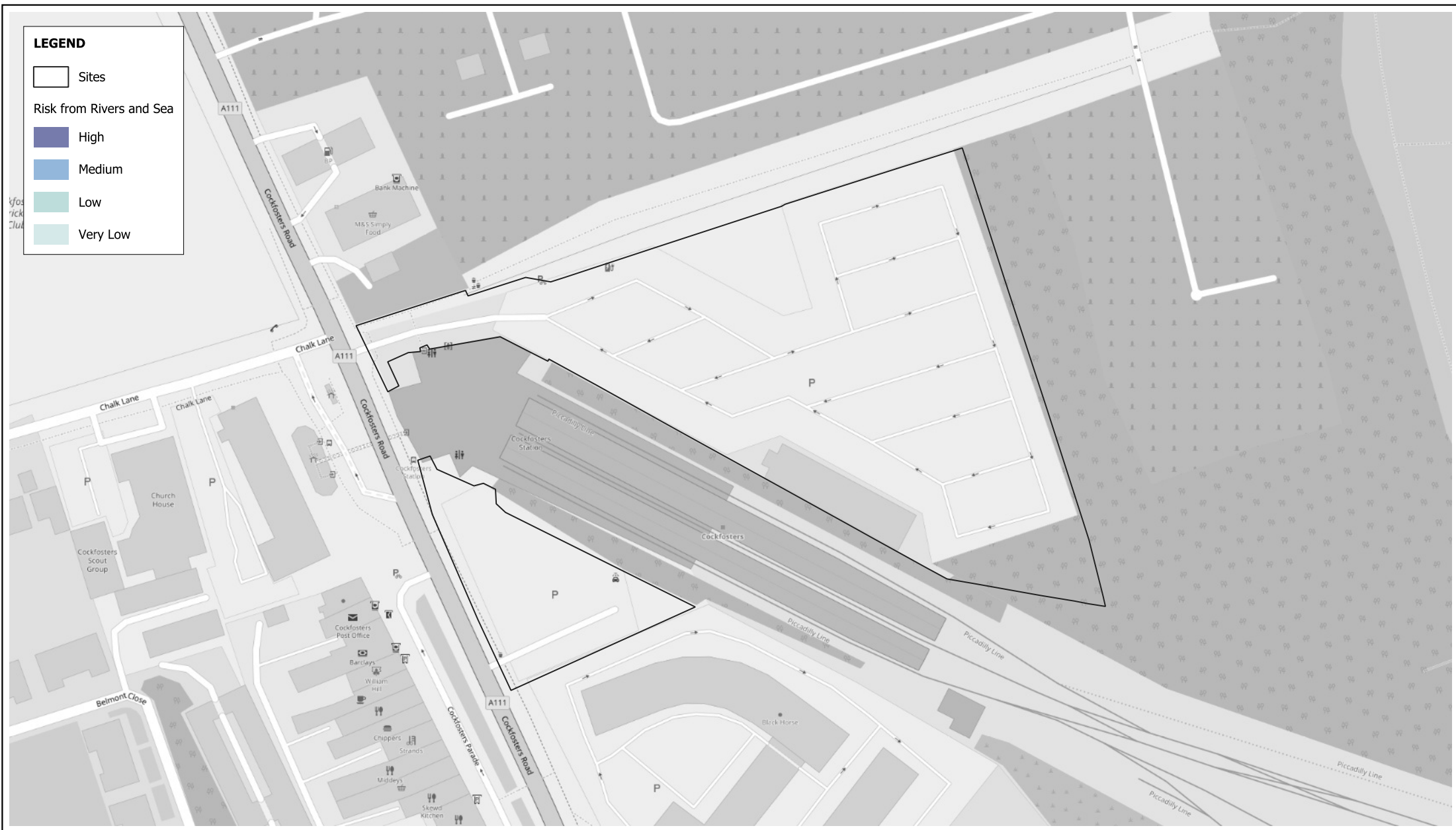
Dataset : EA dataset provided by
 London Borough of Enfield on 02/2016
 Background : OSM 24/10/2024

Figure:
U.02 - (07)

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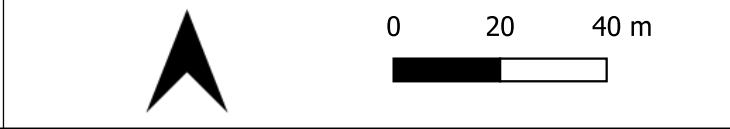


LEGEND





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

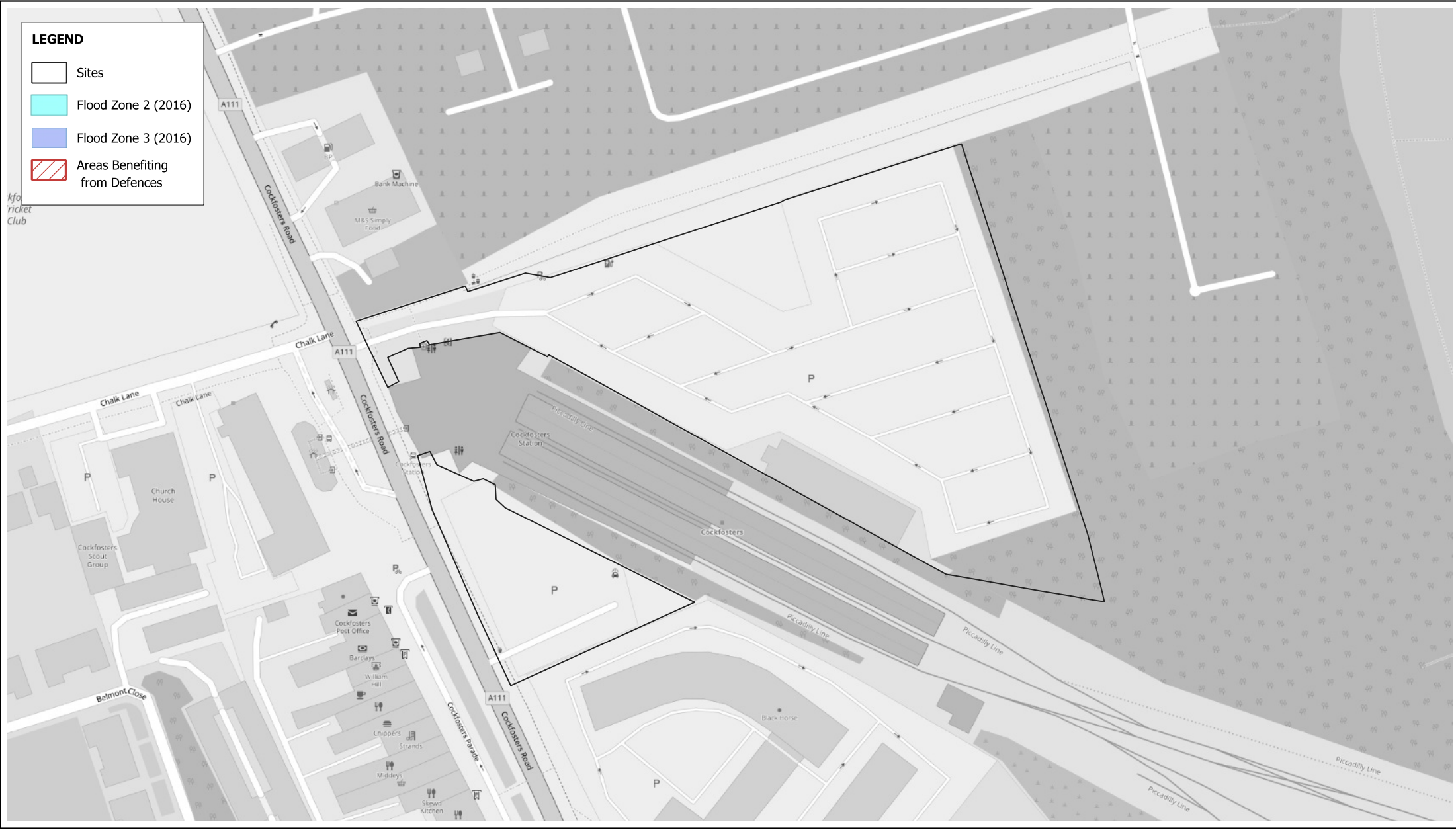
Risk from Rivers and Sea	Projection : British National Grid Produced by BMT Production date : 24/10/2024	Dataset : EA dataset provided by London Borough of Enfield on 02/2016 Background : OSM 24/10/2024	Figure: U.02 - (08)
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LEGEND

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



Flood Zones (provided 2016)

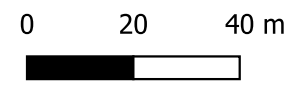
Projection : British National Grid
Produced by BMT
Production date : 24/10/2024

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

Figure:

U.02 - (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:
U.02 - (10)





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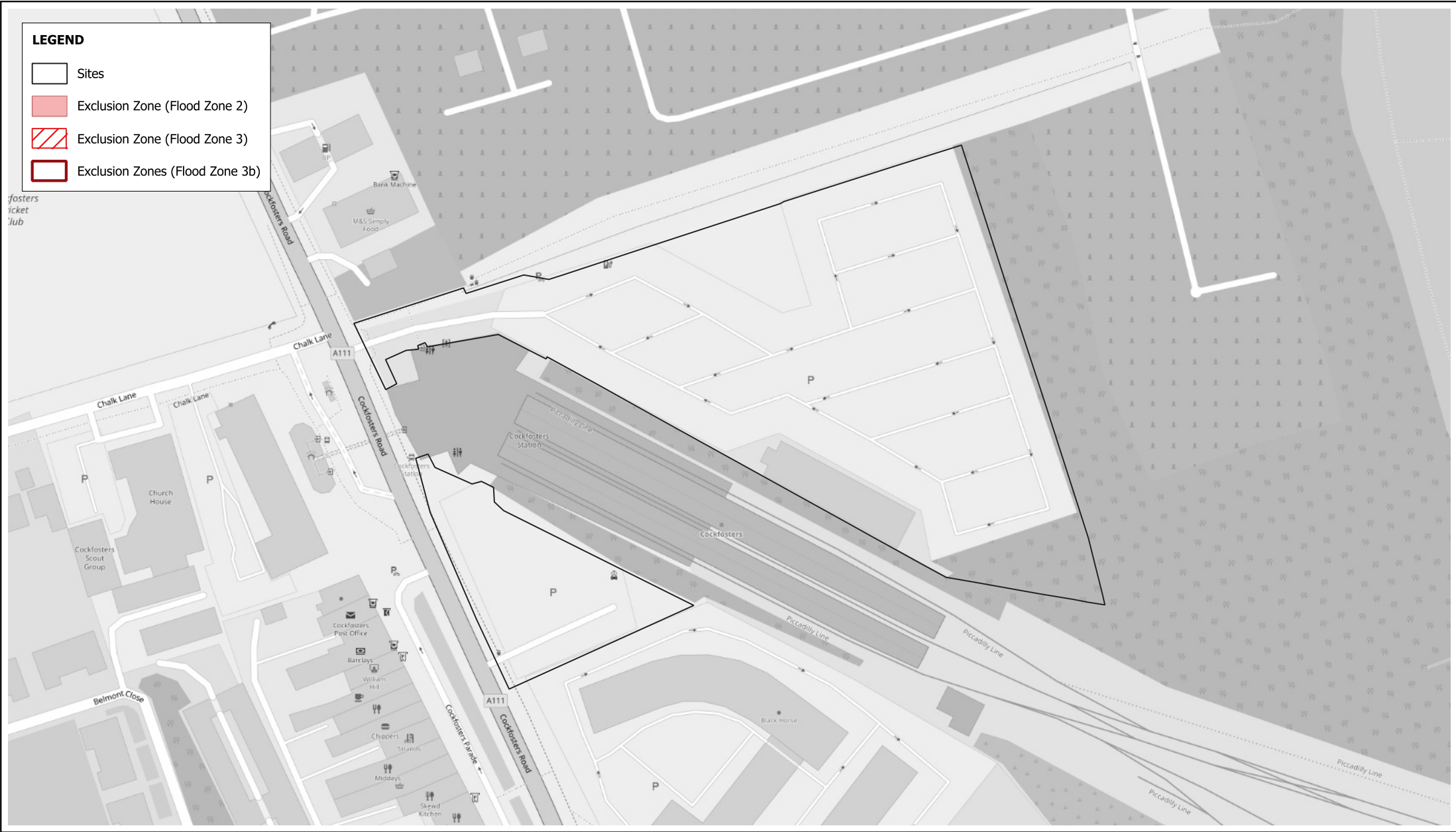
20

40



LEGEND

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



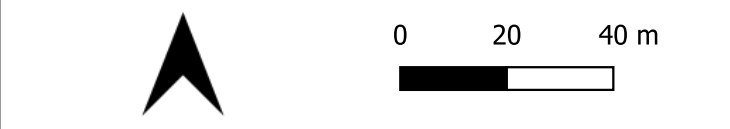
Exclusion Zones

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

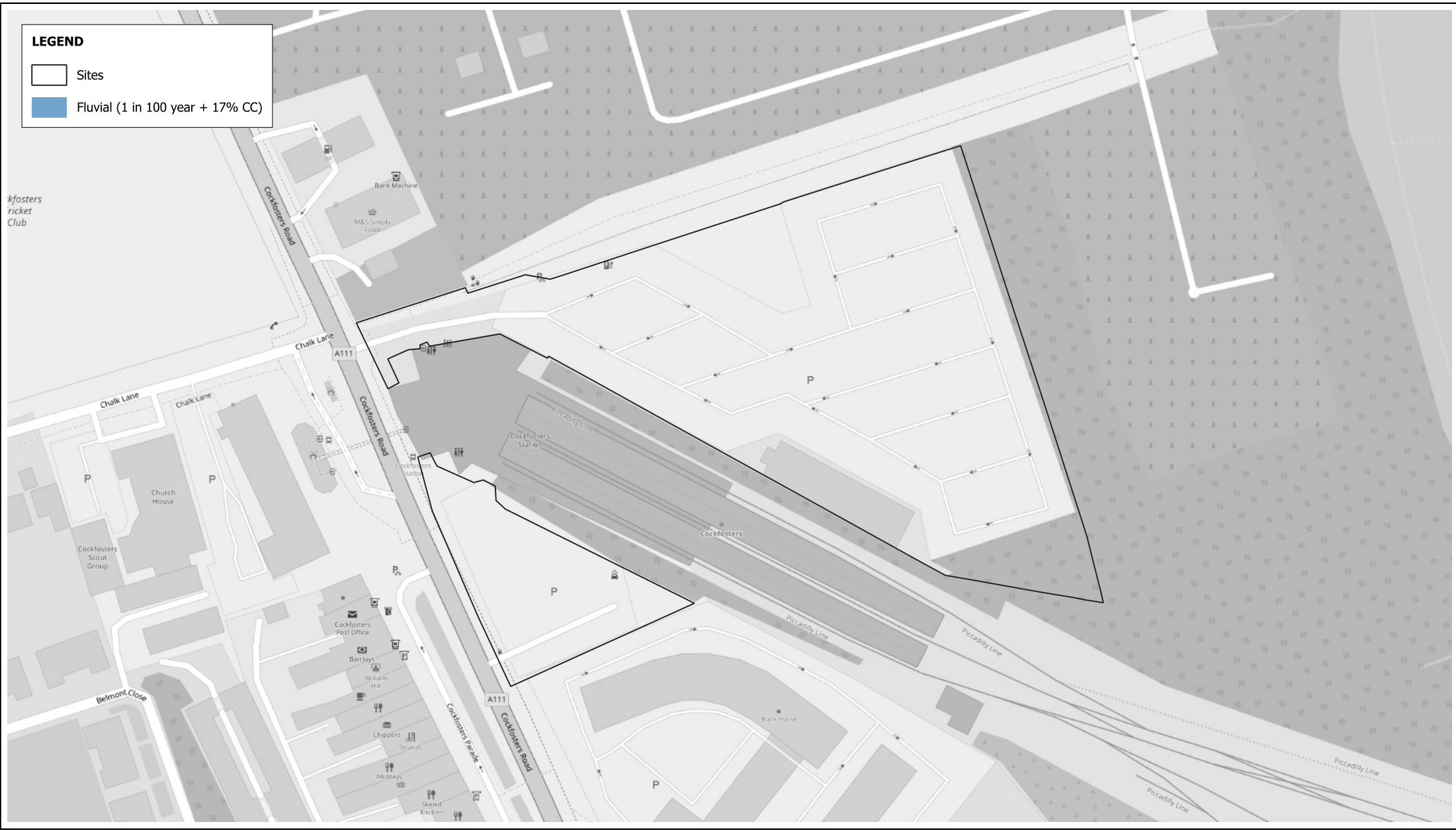
Figure:
U.02 - (11)

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LEGEND

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



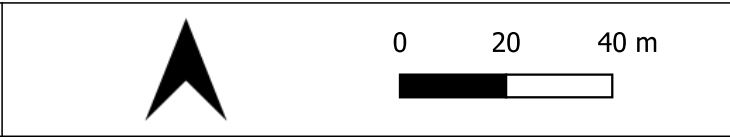
Fluvial Flooding (1 in 100 year + 17% CC)

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

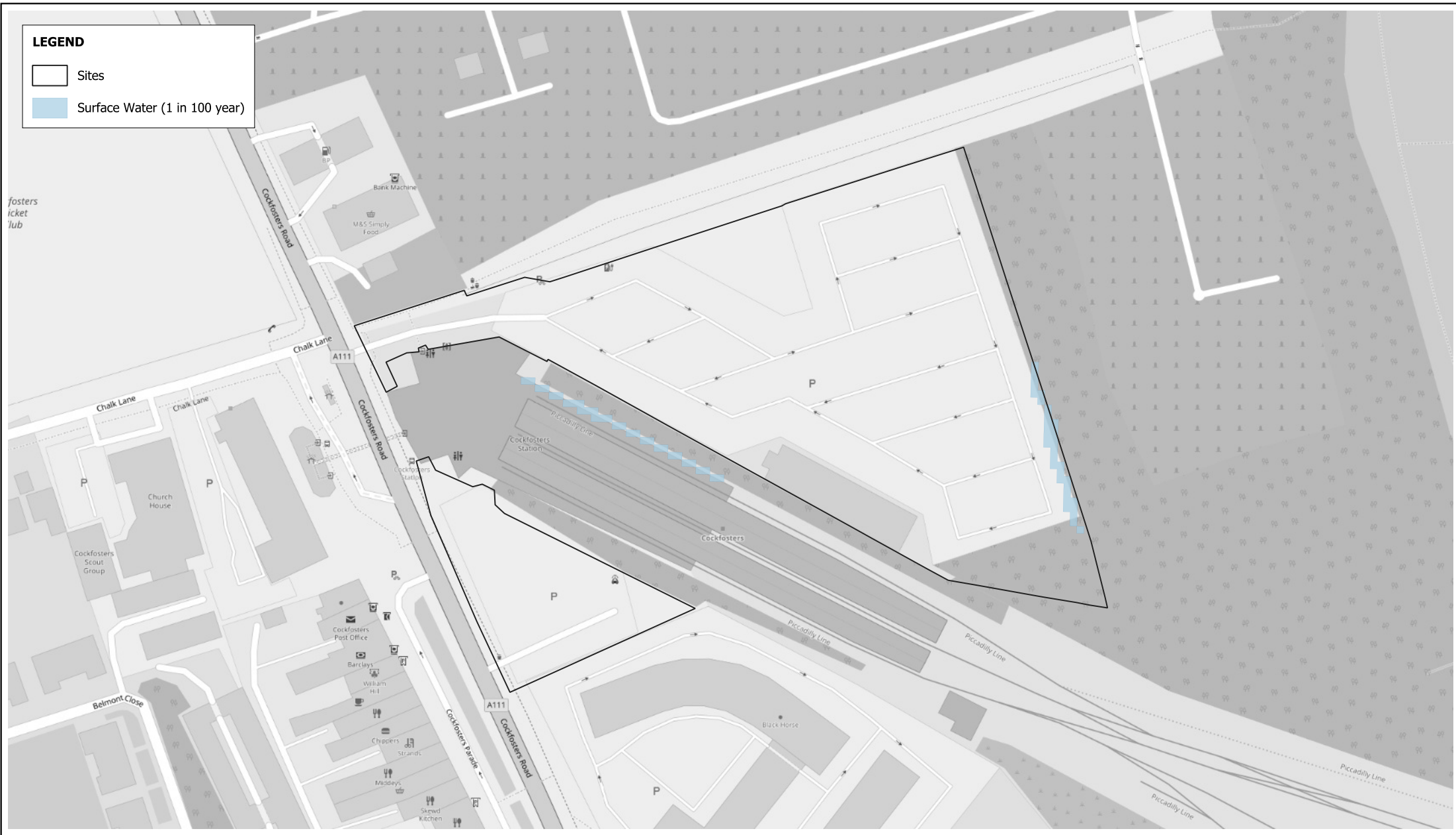
Figure:
U.02 - (12)

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LEGEND

-  Sites
-  Surface Water (1 in 100 year)



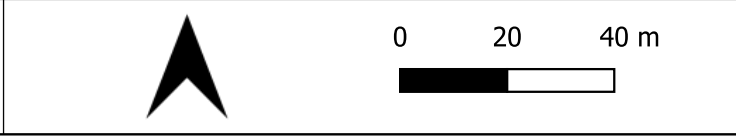
Surface Water Flooding (1 in 100 year)

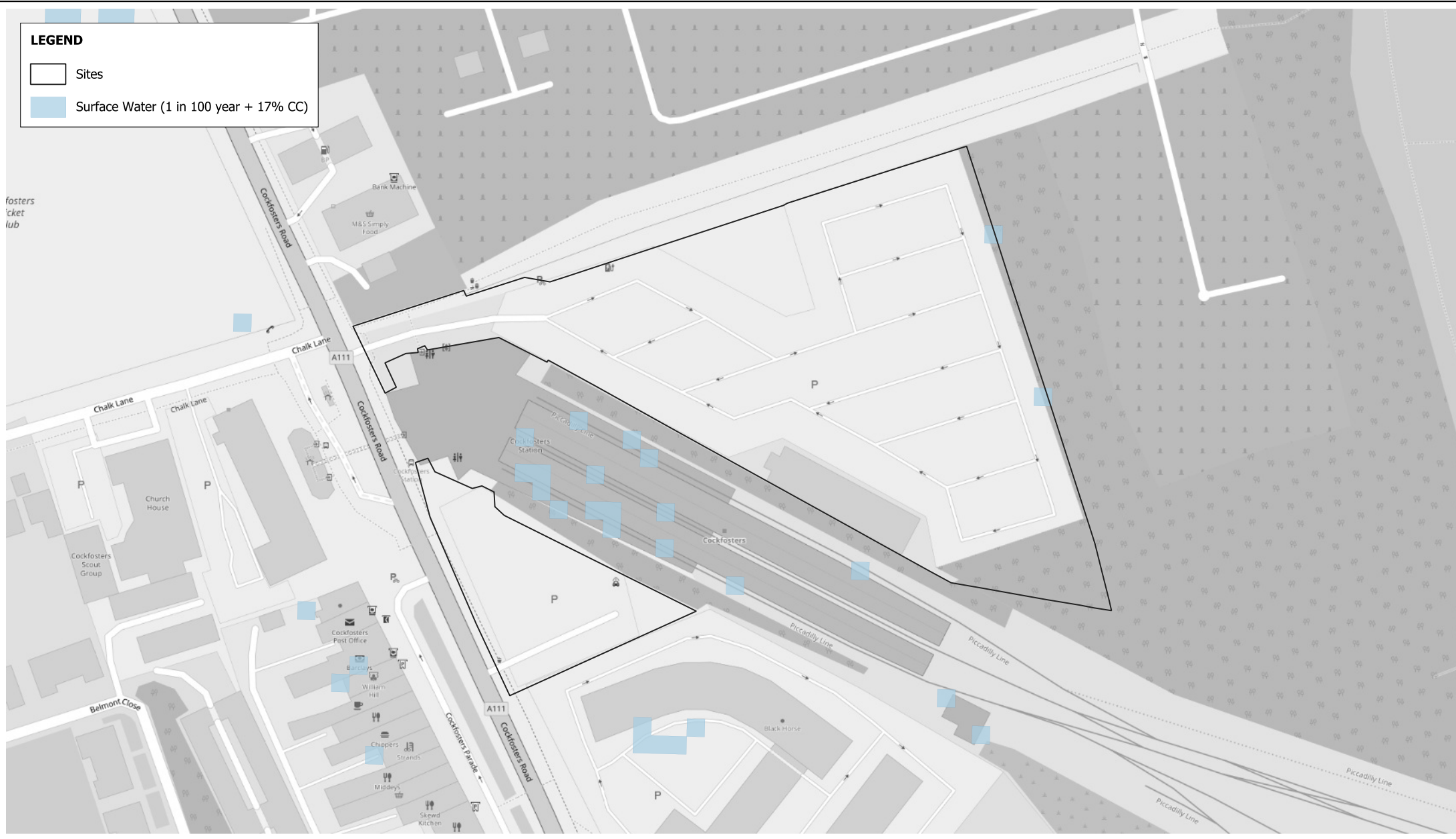
Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

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

Figure:
U.02 - (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:
U.02 - (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

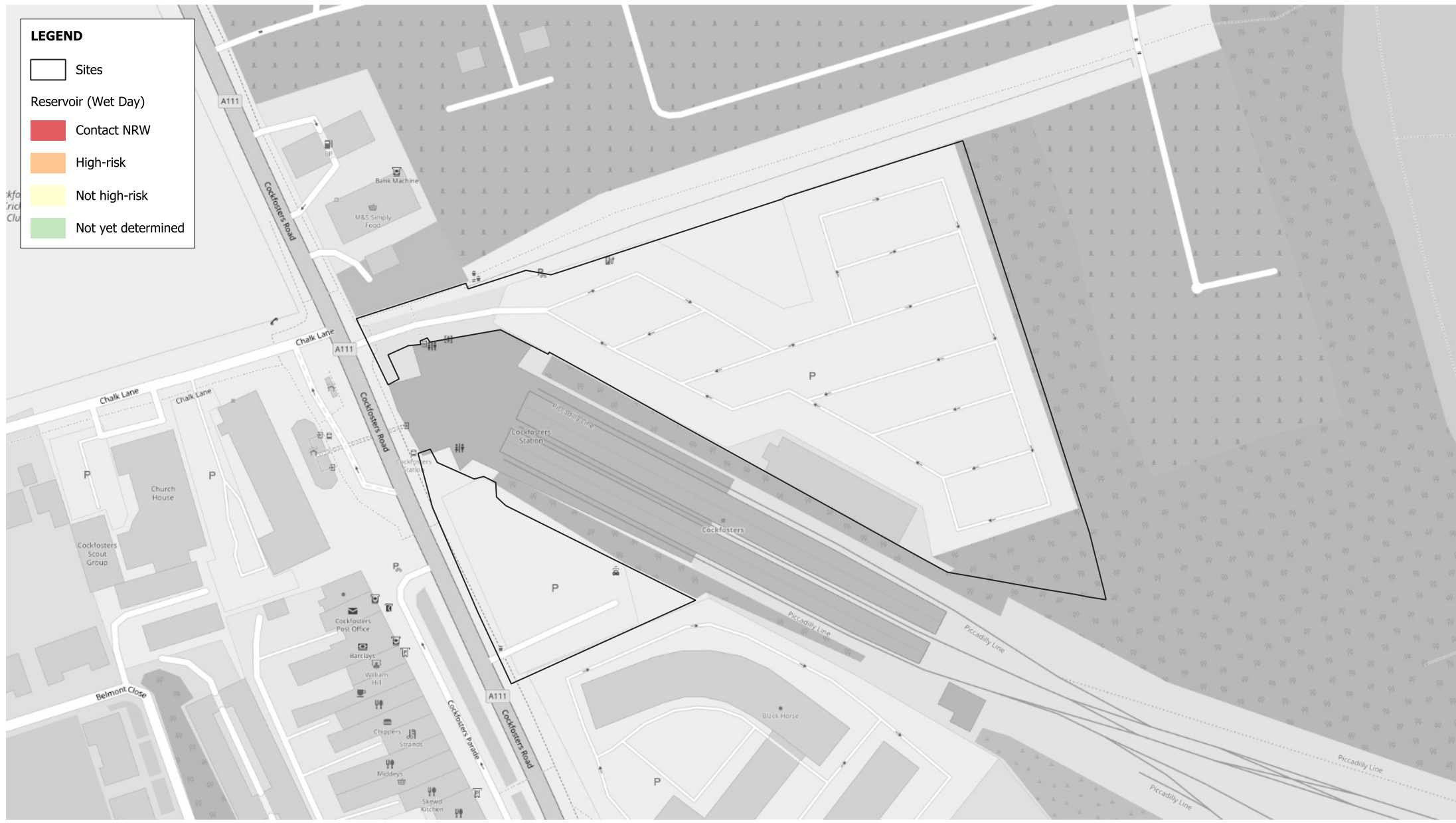
Figure:
U.02 - (15)

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LEGEND

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



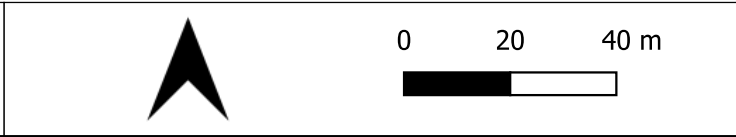
Risk of Flooding from Reservoirs (Wet Day)

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






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

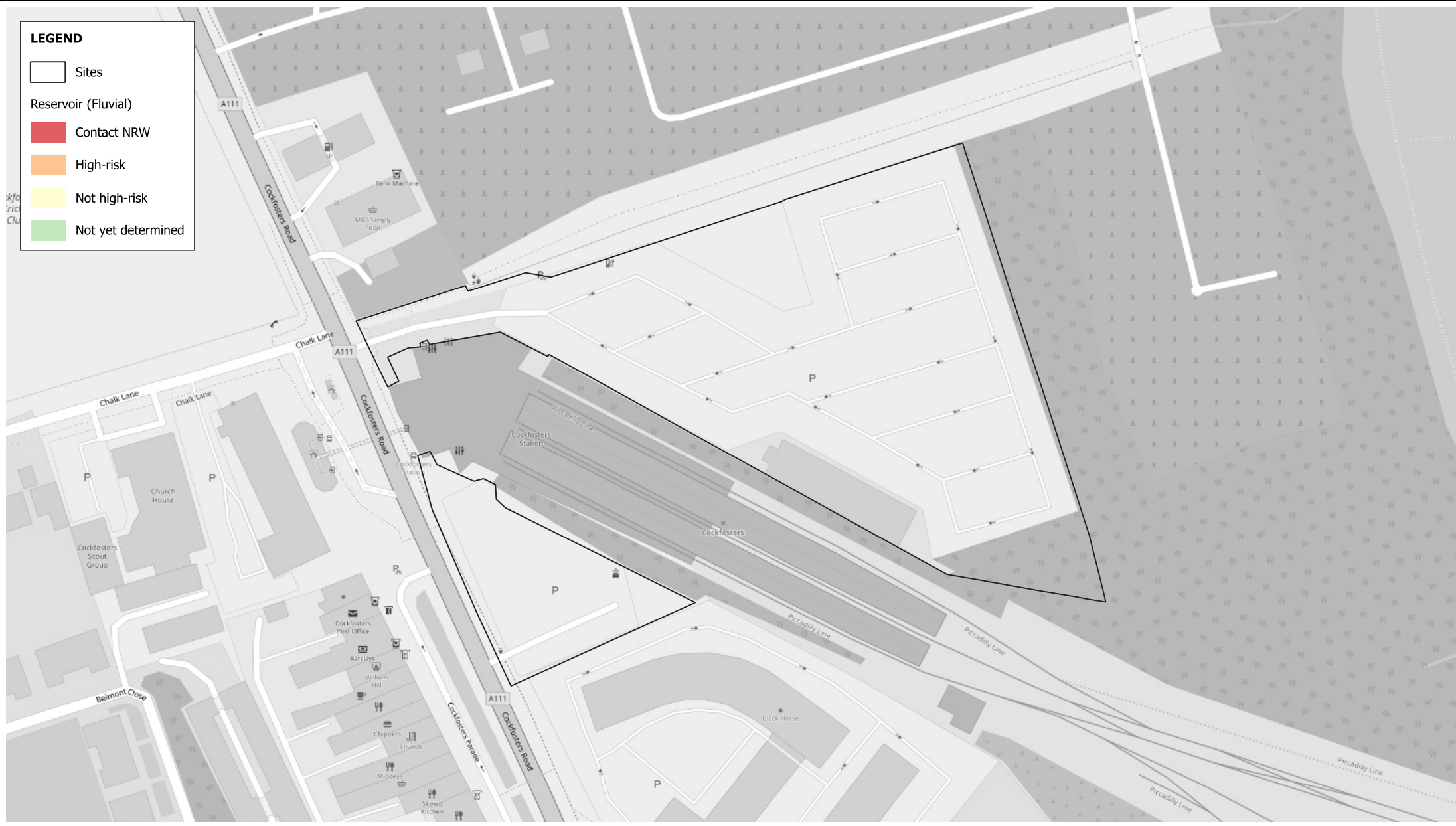
Figure:
U.02 - (16)

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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:
U.02 - (17)

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Historic Flood Areas

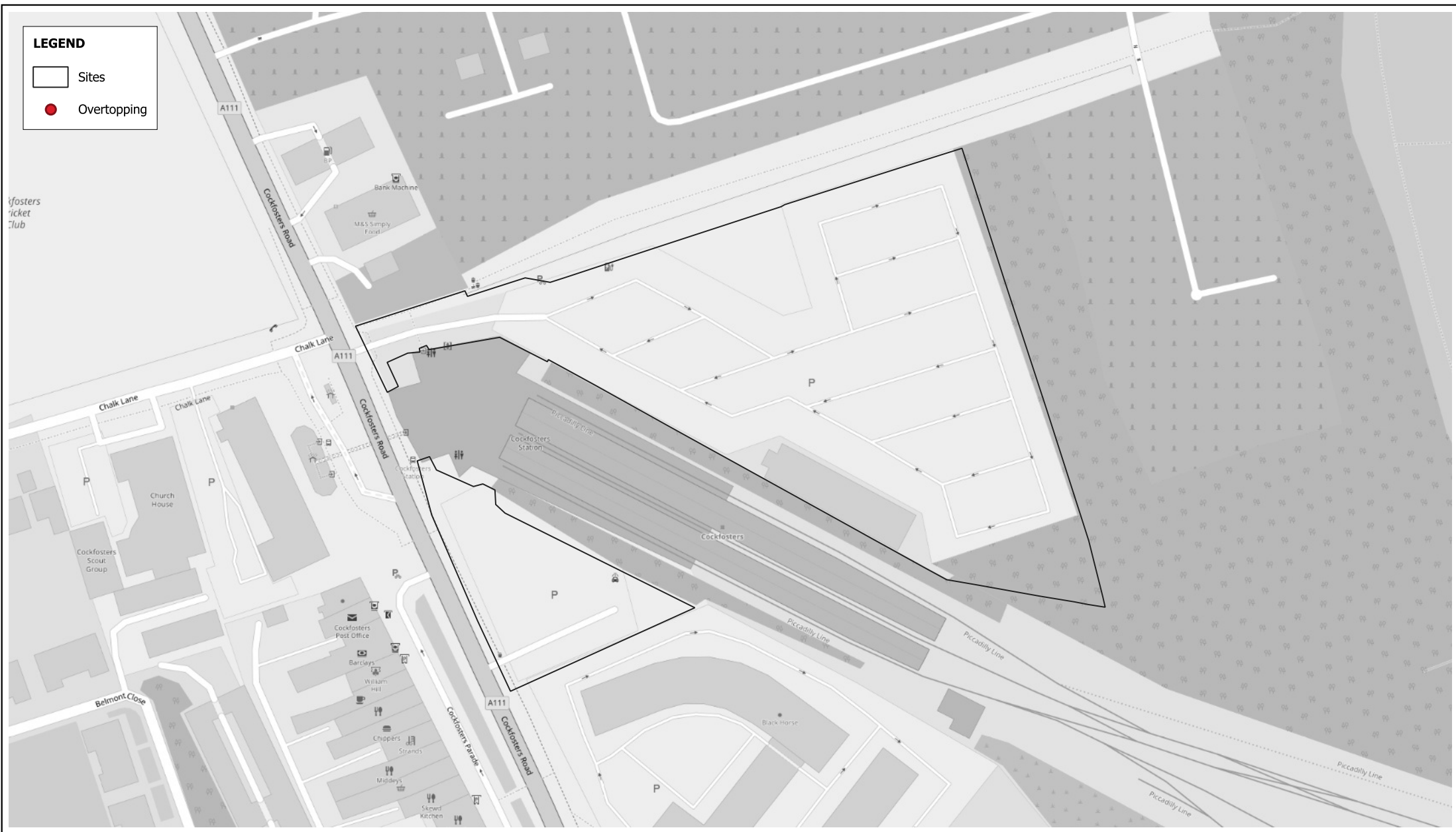
Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

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

Figure:
U.02 - (18)

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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:
U.02 - (19)

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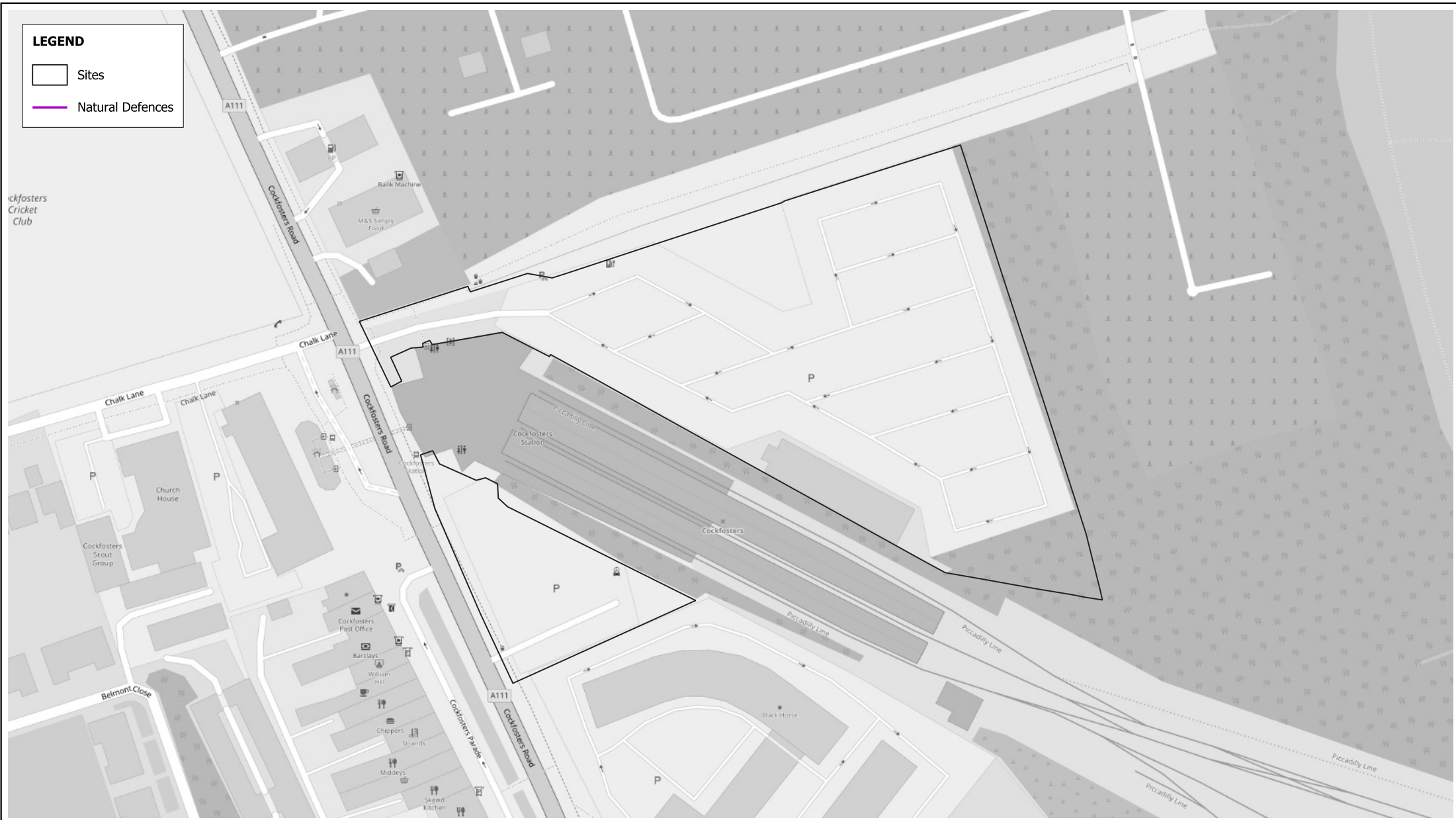
0 20 40 m



LEGEND

- Sites
- Natural Defences

Cockfosters Cricket Club



Natural Defences

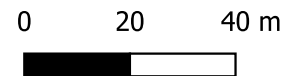
Projection : British National Grid
Produced by BMT
Production date : 24/10/2024

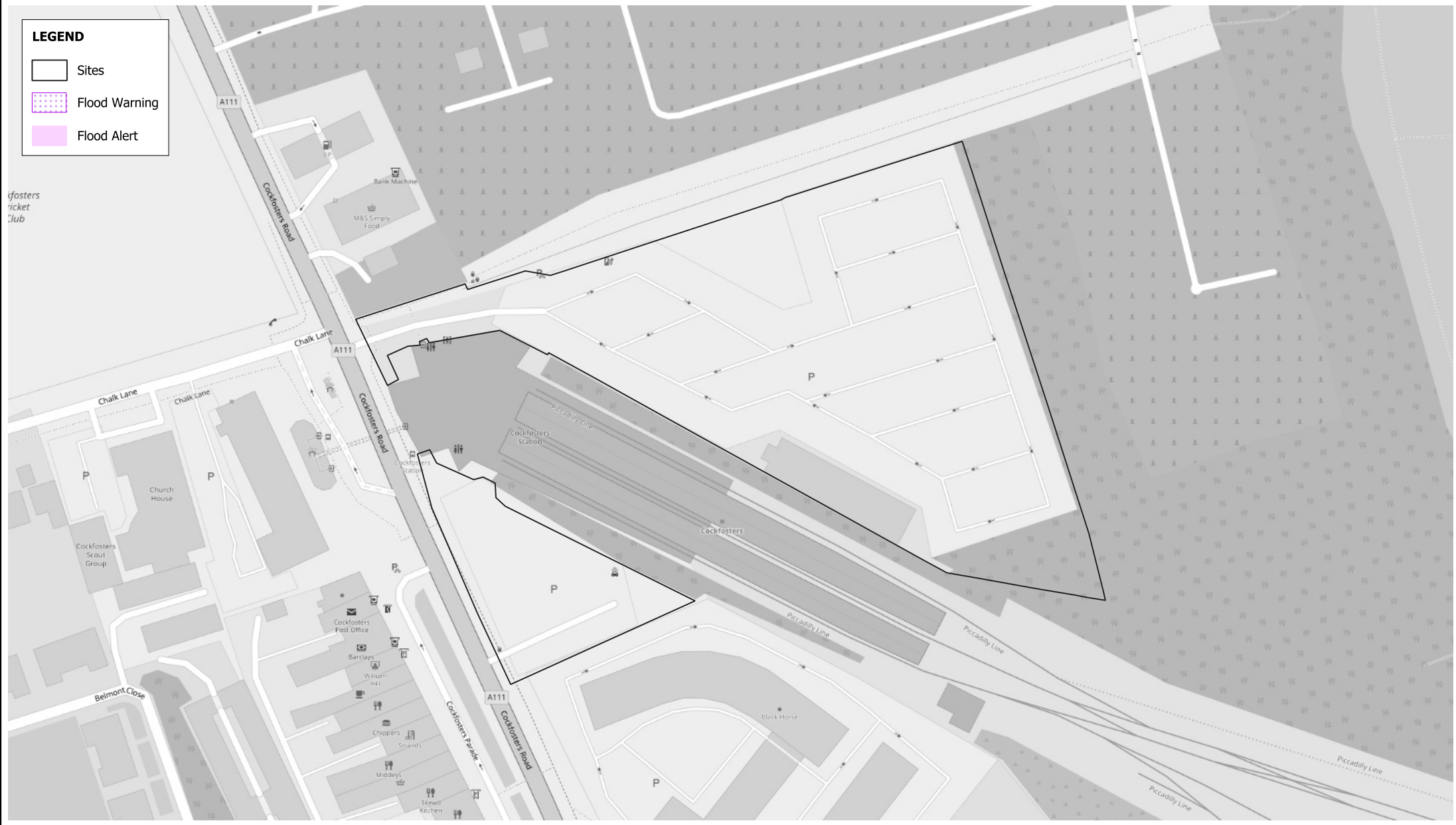
Dataset : EA dataset provided by
London Borough of Enfield on 02/2016
Background : OSM 24/10/2024

Figure:

U.02 - (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: **U.02 - (21)**

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LEGEND

-  Sites
-  Flood Risk Areas



Flood Risk Areas

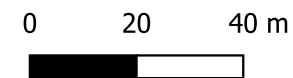
Projection : British National Grid
Produced by BMT
Production date : 24/10/2024

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

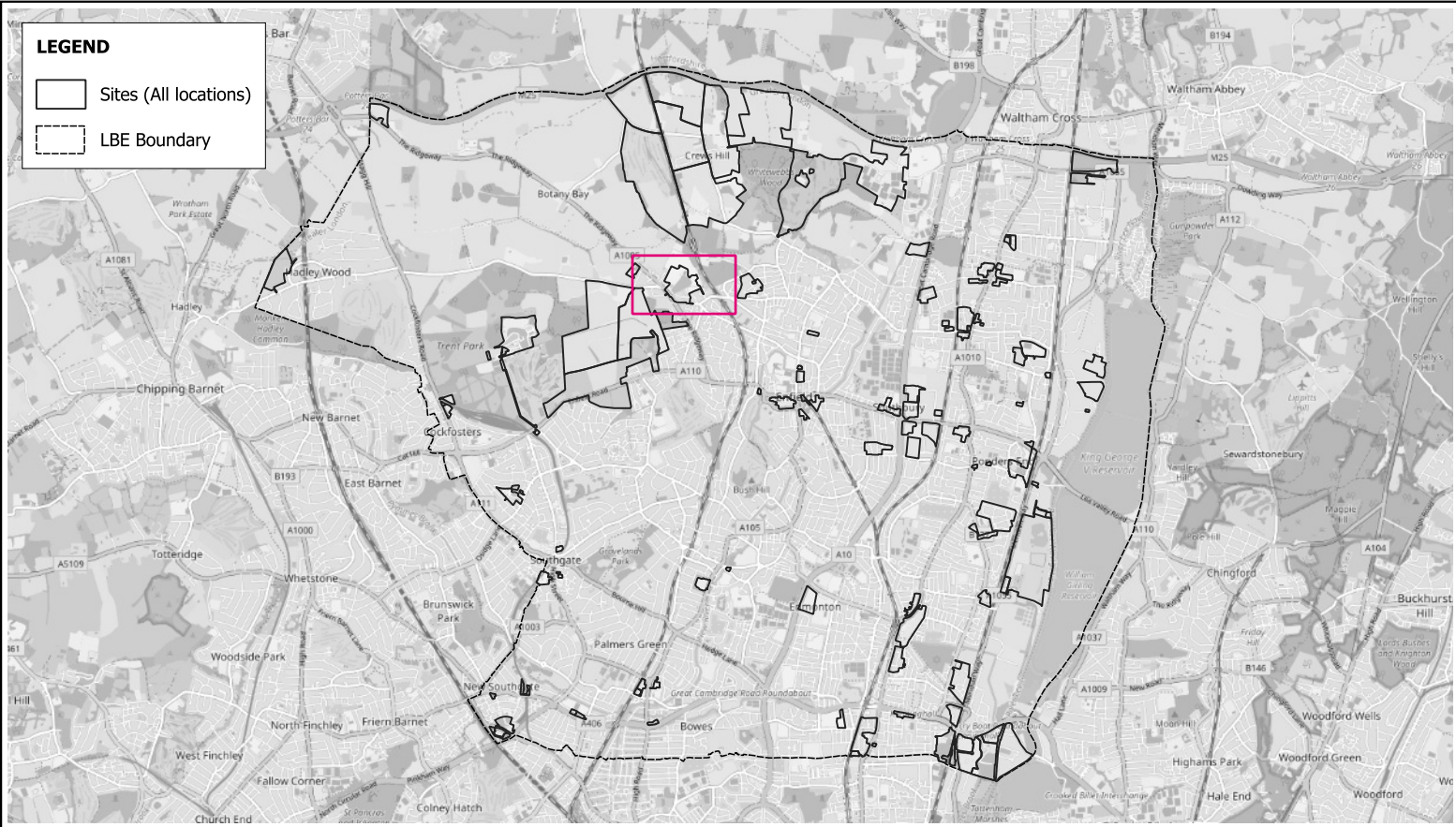
Figure:

U.02 - (22)

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U.03



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: U.03 - (01)
	<p>BMT endeavours to ensure that the information provided in this map is correct at the time of publication. BMT does not warrant, guarantee or make representations regarding the currency and accuracy of information contained in this map. Map contains OS OpenData © Crown copyright and database right 2024. This data is licensed under the Open Government License 3.0.</p>		

Address	Former Chase Farm Hospital, The Ridgeway	Flood Zones 2016 (Ha)	FZ 2: None, FZ 3: None
Postcode	EN2 8JL	Flood Zones 2023 (Ha)	FZ 2: None, FZ 3: None, FZ 3b: None
Ward	Ridgeway	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)	0.29 (2%)
Area (Ha)	15.76	Pluvial Flooding (1 in 100 year + 17% CC) (Ha)	0.83 (5%)
Watercourses	Not 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%: 15.76 (100%)	Risk of Flooding from Reservoirs (Dry Day) (Ha)	None
Minor and Major Resource Coverage (Ha)	Major: 0 (0%), Minor: 14.45 (92%)	Historic Flooding (Ha)	0 (0%)
Resource Classifications	Minor H	Overtopping Locations	No overtopping has occurred within site
Flood Risk Area (Ha)	15.76 (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 references 14/04574/OUT, 15/04547/FUL and 16/05535/RM.

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>100 CLASTIC SEDIMENTARY ROCKS</p> <ul style="list-style-type: none"> 110 SANDSTONE AND CONGLOMERATE 111 CONGLOMERATE 120 P SPMITTE OR ARENITE 121 SANDSTONE 1212 FERRUGINOUS SANDSTONE 123 GREYWACKE 130 PELITE, ARGILLITE OR LUTITE (MUDROCKS) 131 CLAYSTONE/MUDSTONE 132 SILTSTONE
<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>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>510 RESIDUAL DEPOSITS</p> <ul style="list-style-type: none"> 560 RESIDUAL 570 RESIDUAL 5711 CLAY WITH 580 SLOPE 582 	<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 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 GLACIOACUSTRINE DEPOSIT 	<p>800 ORGANIC</p> <ul style="list-style-type: none"> 810 PEAT 820 SLIME AND 830 COAL
<p>700 LOESS</p> <ul style="list-style-type: none"> 711 LOAM LOESS 712 SAND LOESS 720 EOLIAN SAND 	

Soil Classification

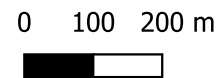
Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

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

Figure:

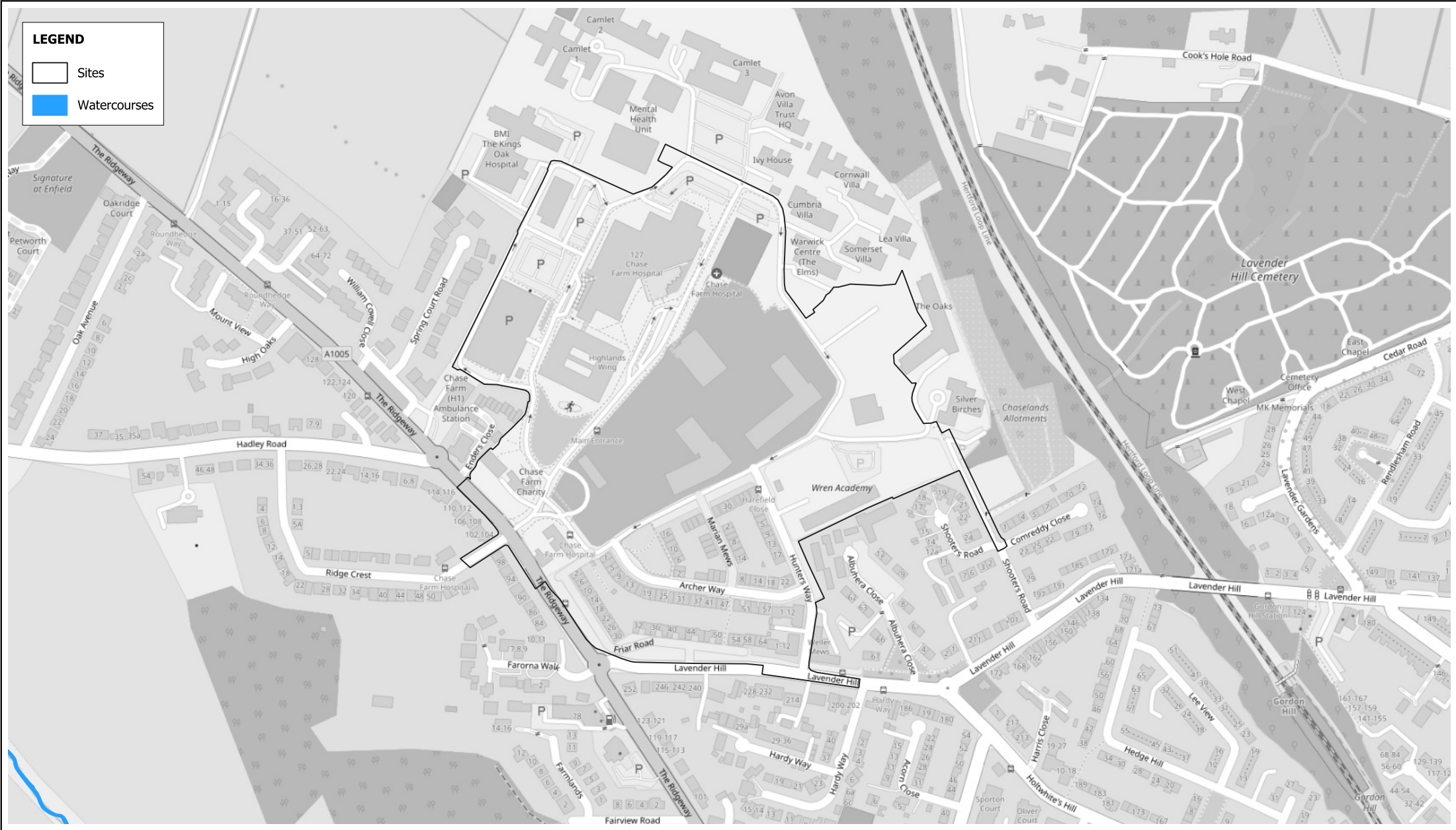
U.03 - (02)

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LEGEND

- Sites
- Watercourses



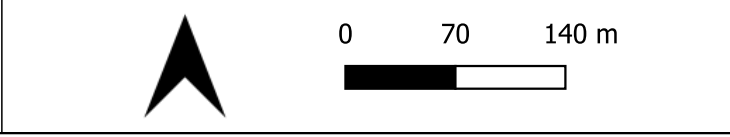
Main Watercourses

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: **U.03 - (03)**

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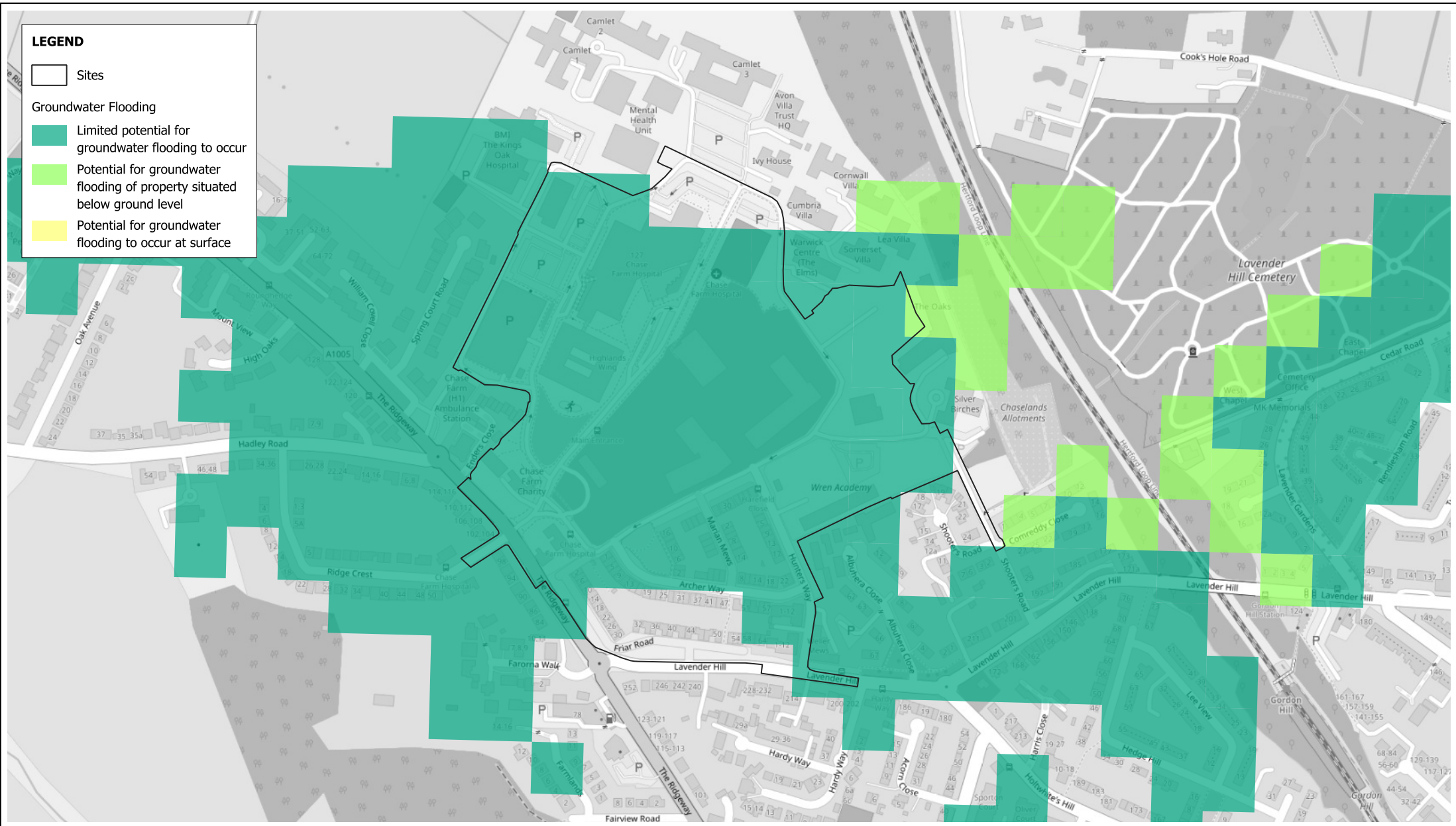


LEGEND

□ 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

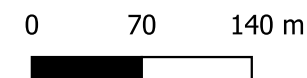
Projection : British National Grid
Produced by BMT
Production date : 24/10/2024

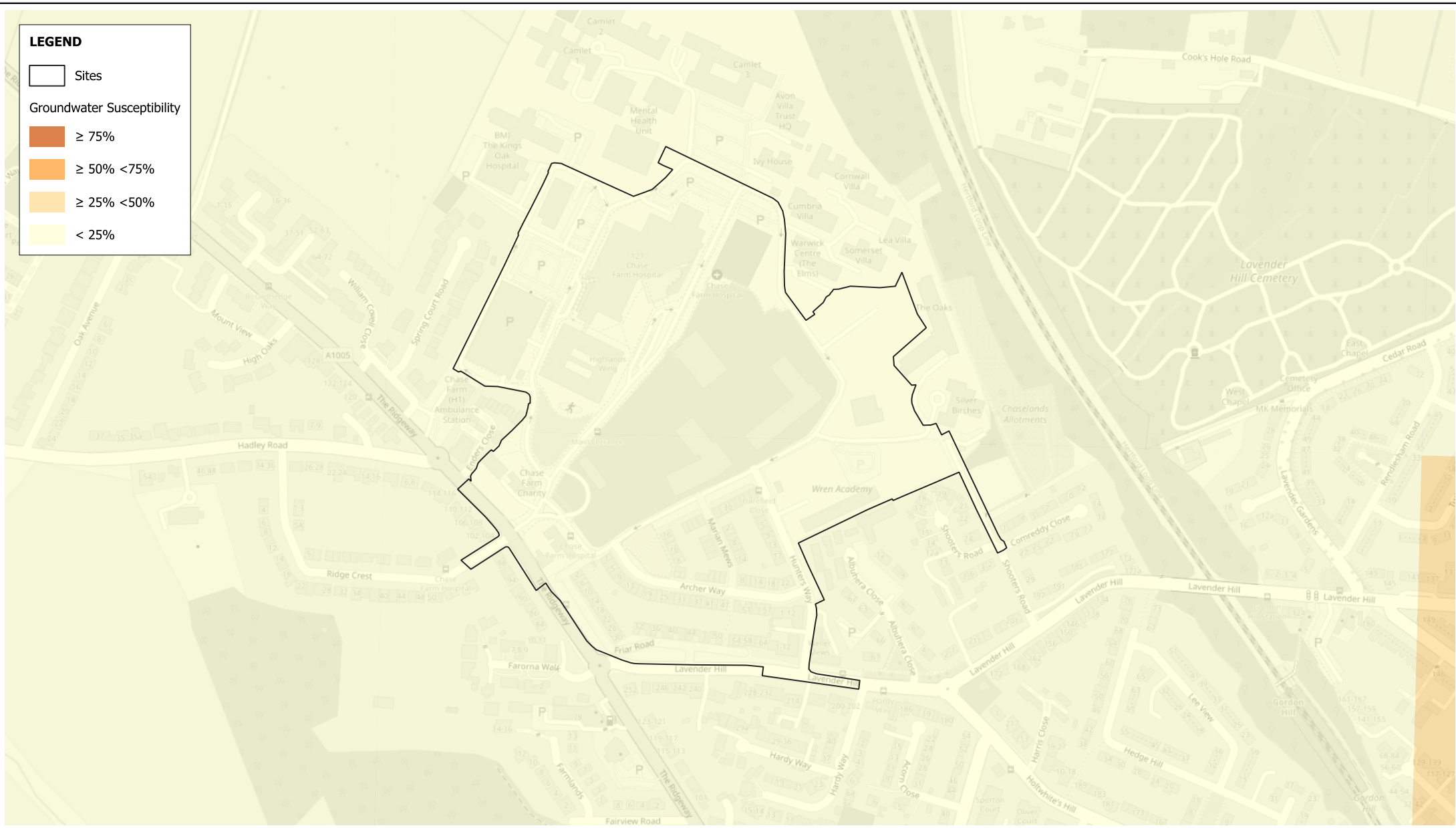
Dataset : BGS dataset received by BMT on 06/2023
Background : OSM 24/10/2024

Figure:






U.03 - (04)

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LEGEND

 Sites
 ≥ 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

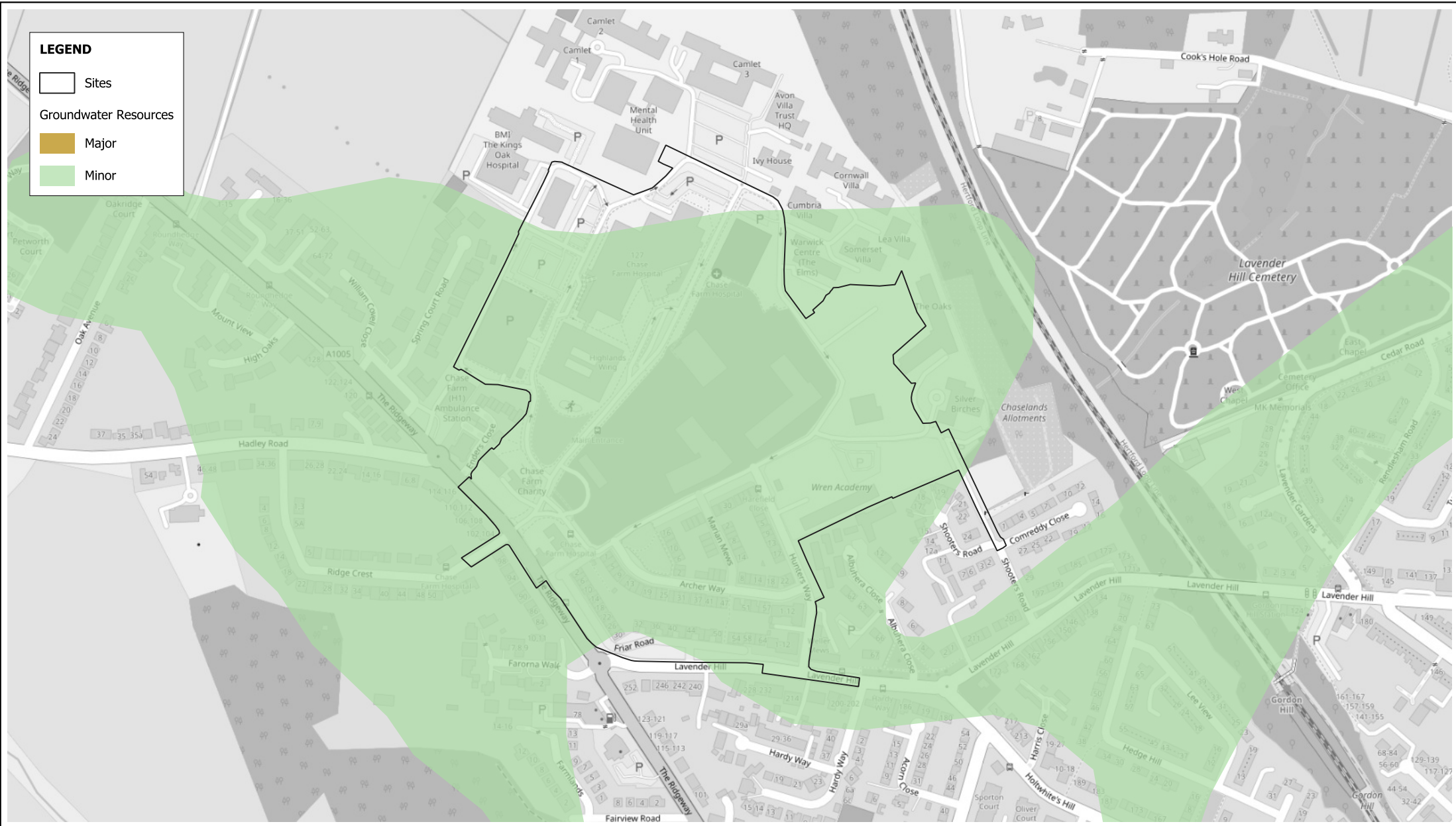
Figure:
U.03 - (05)

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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

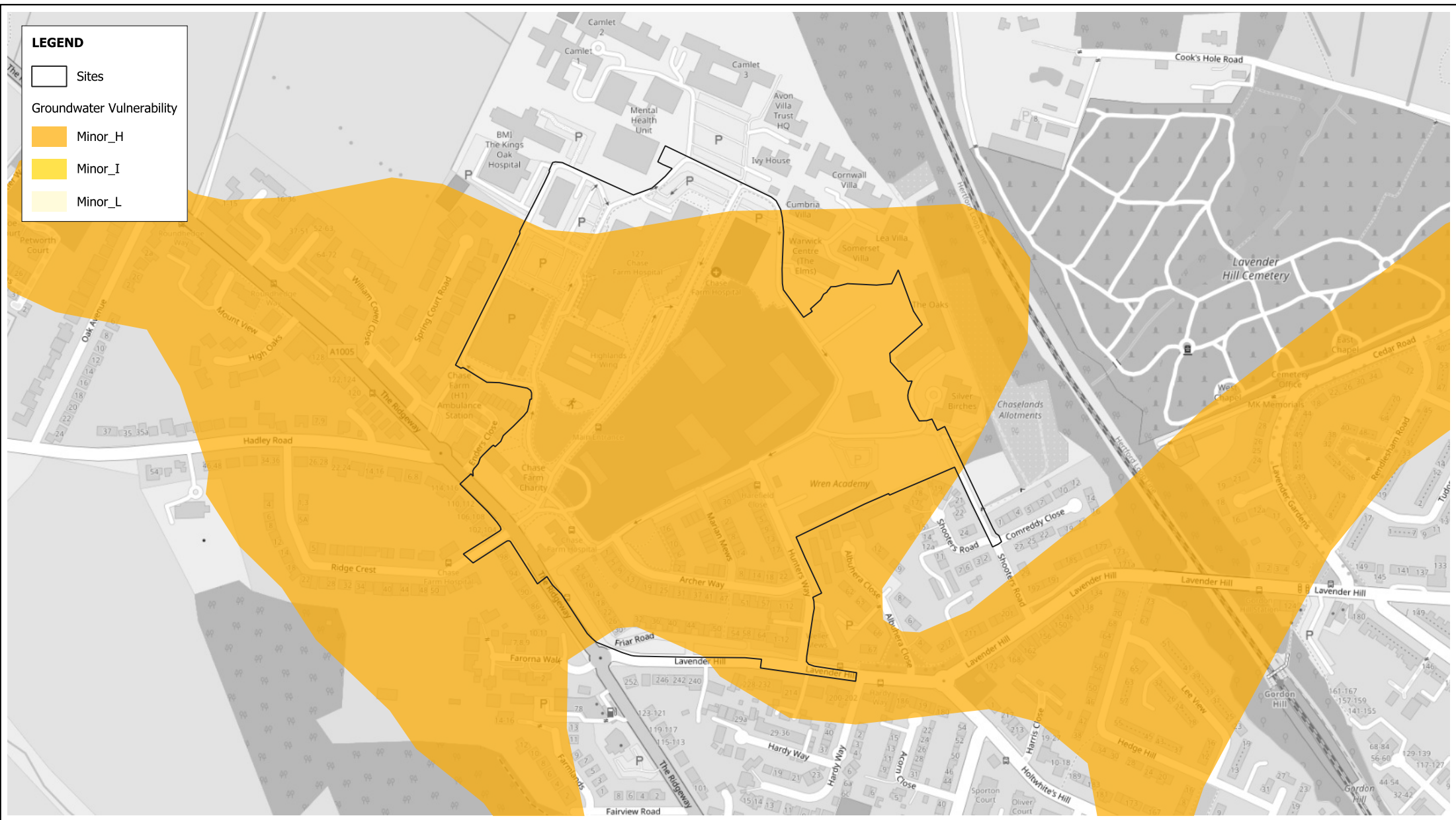
Figure:
U.03 - (06)

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LEGEND

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



Groundwater Vulnerability

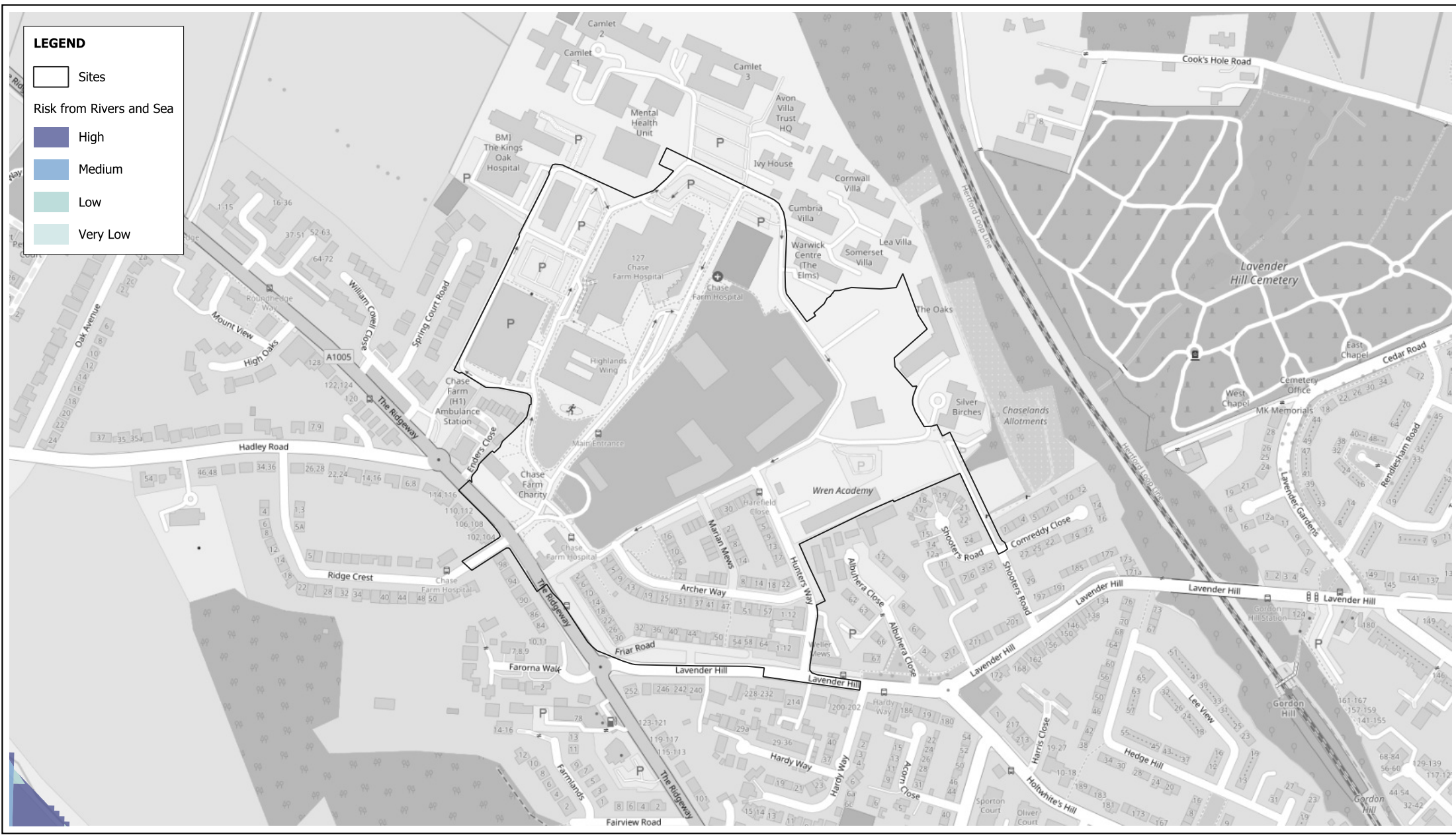
Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

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

Figure:
U.03 - (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

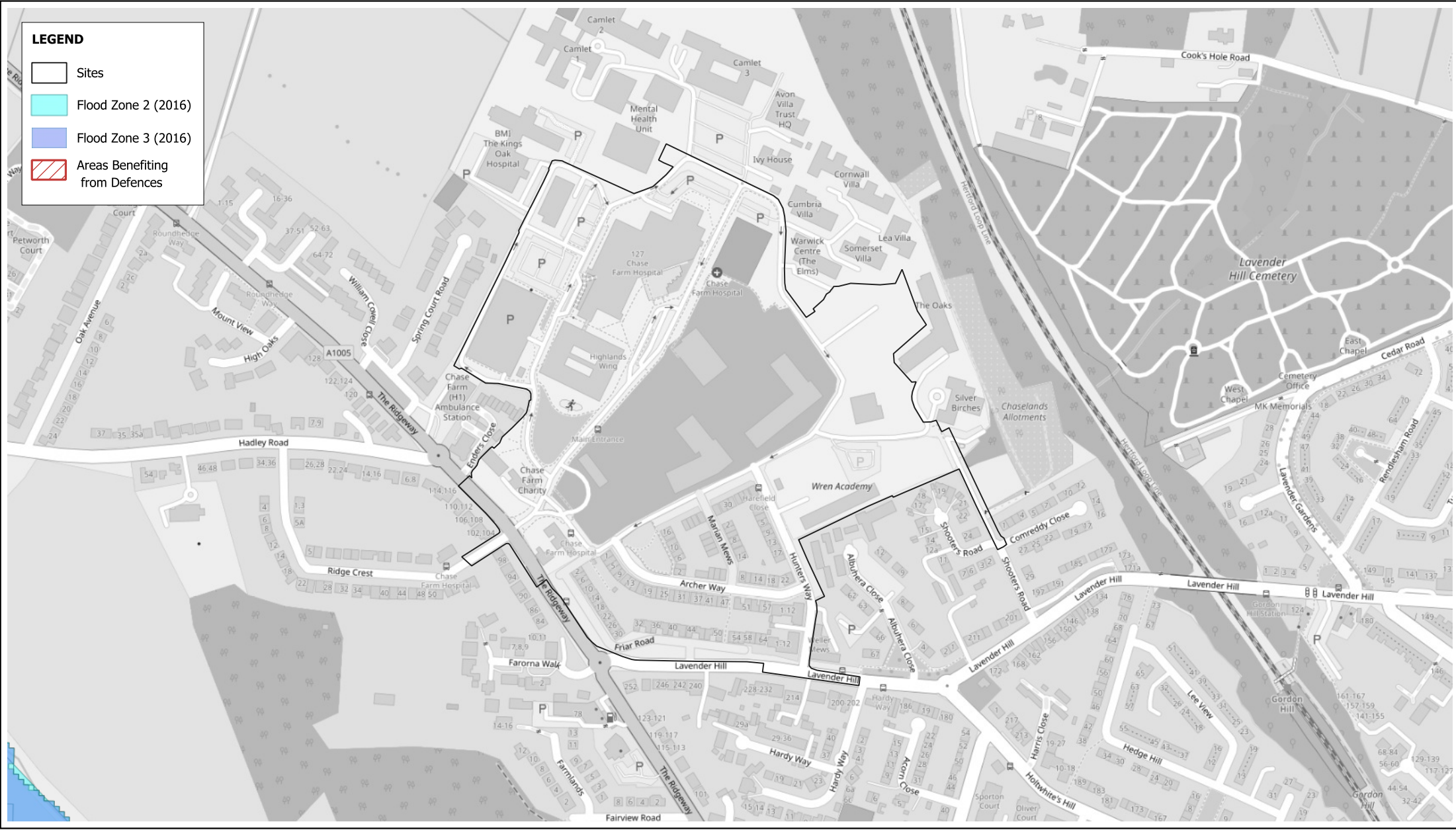
Figure:
U.03 - (08)

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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:
U.03 - (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

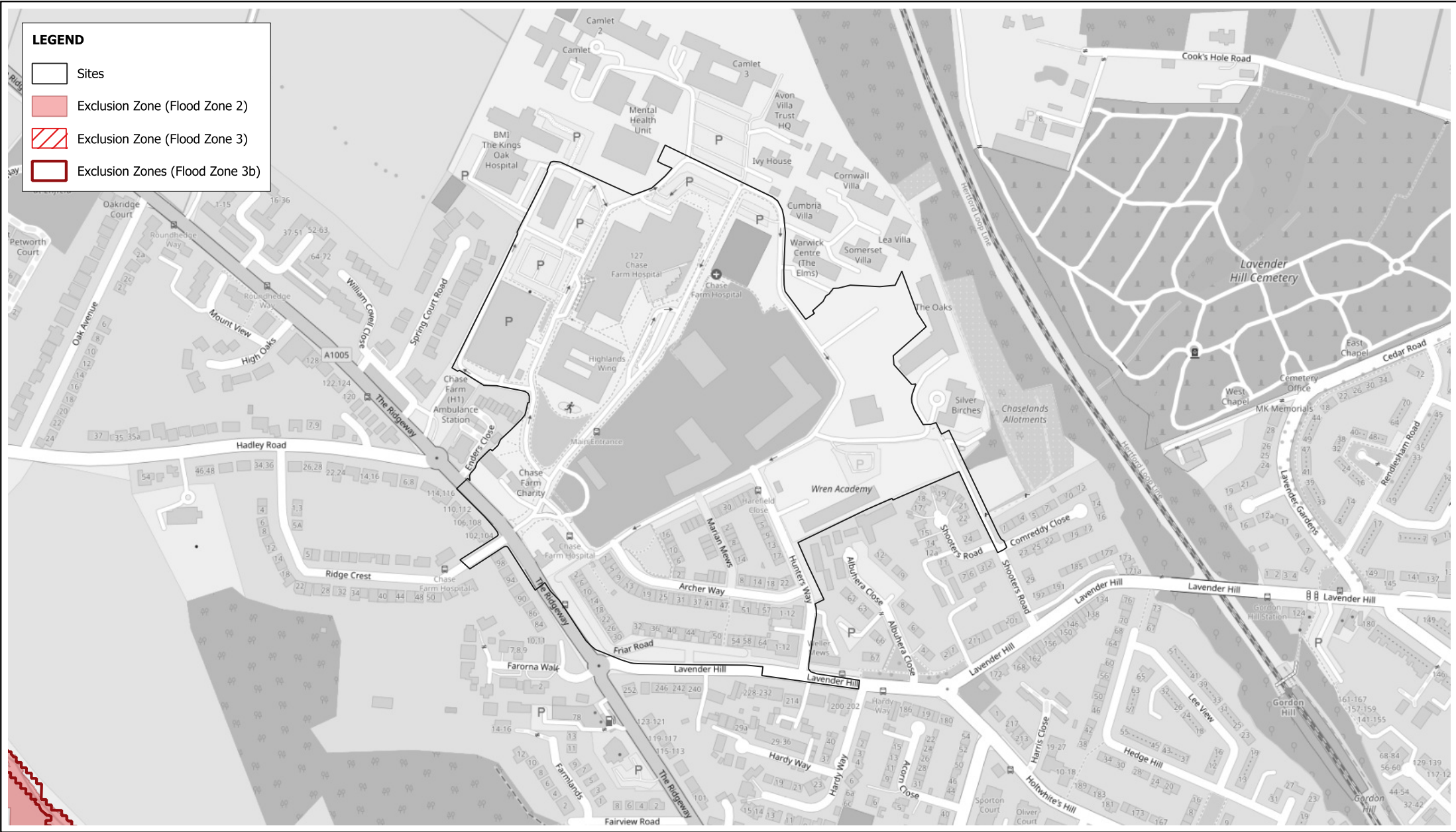
Figure:
U.03 - (10)


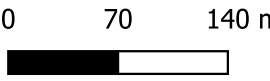

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LEGEND

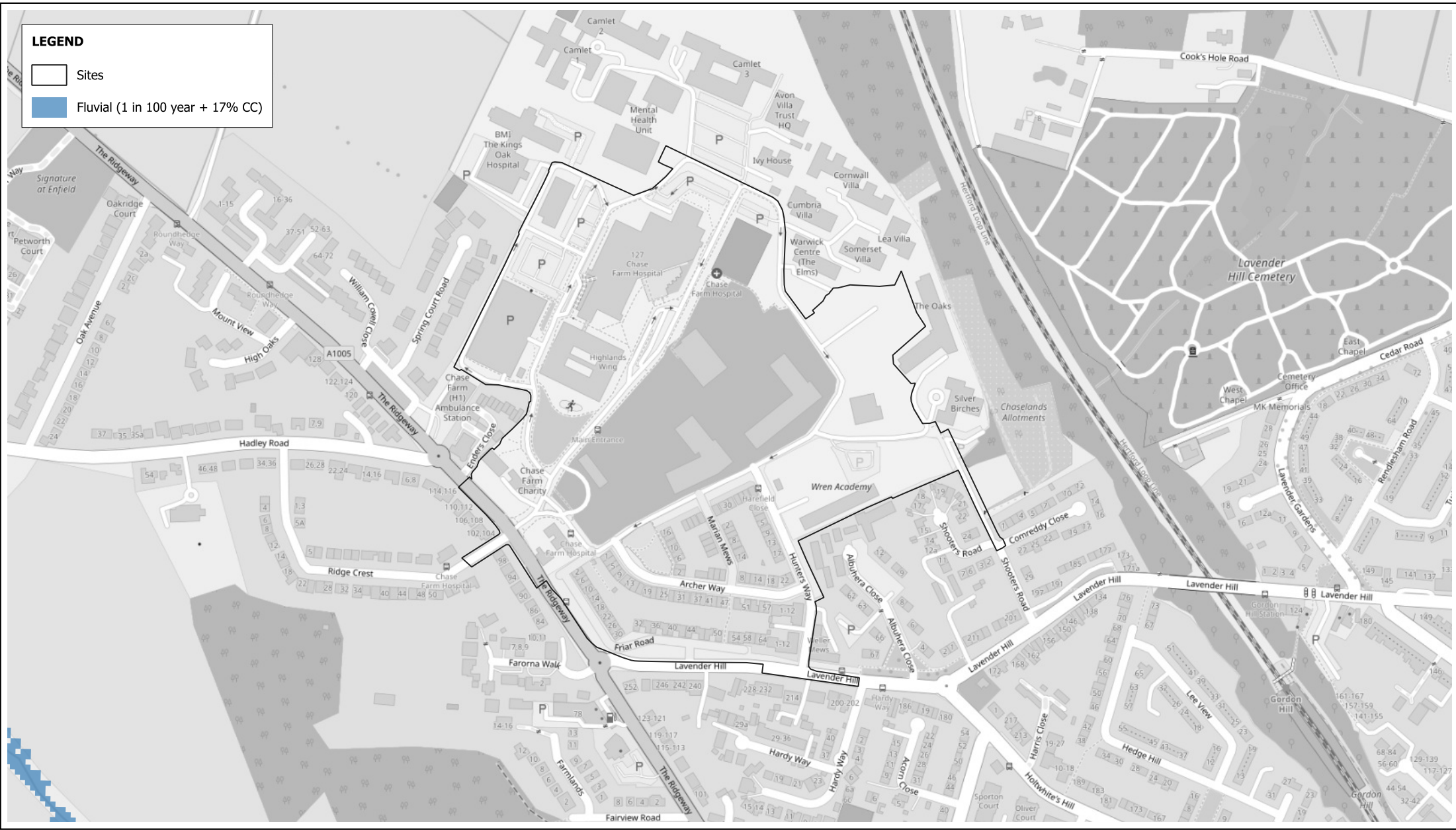
-  Sites
-  Exclusion Zone (Flood Zone 2)
-  Exclusion Zone (Flood Zone 3)
-  Exclusion Zones (Flood Zone 3b)



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: U.03 - (11)
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LEGEND

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



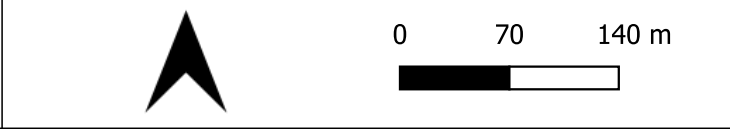
Fluvial Flooding (1 in 100 year + 17% CC)

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

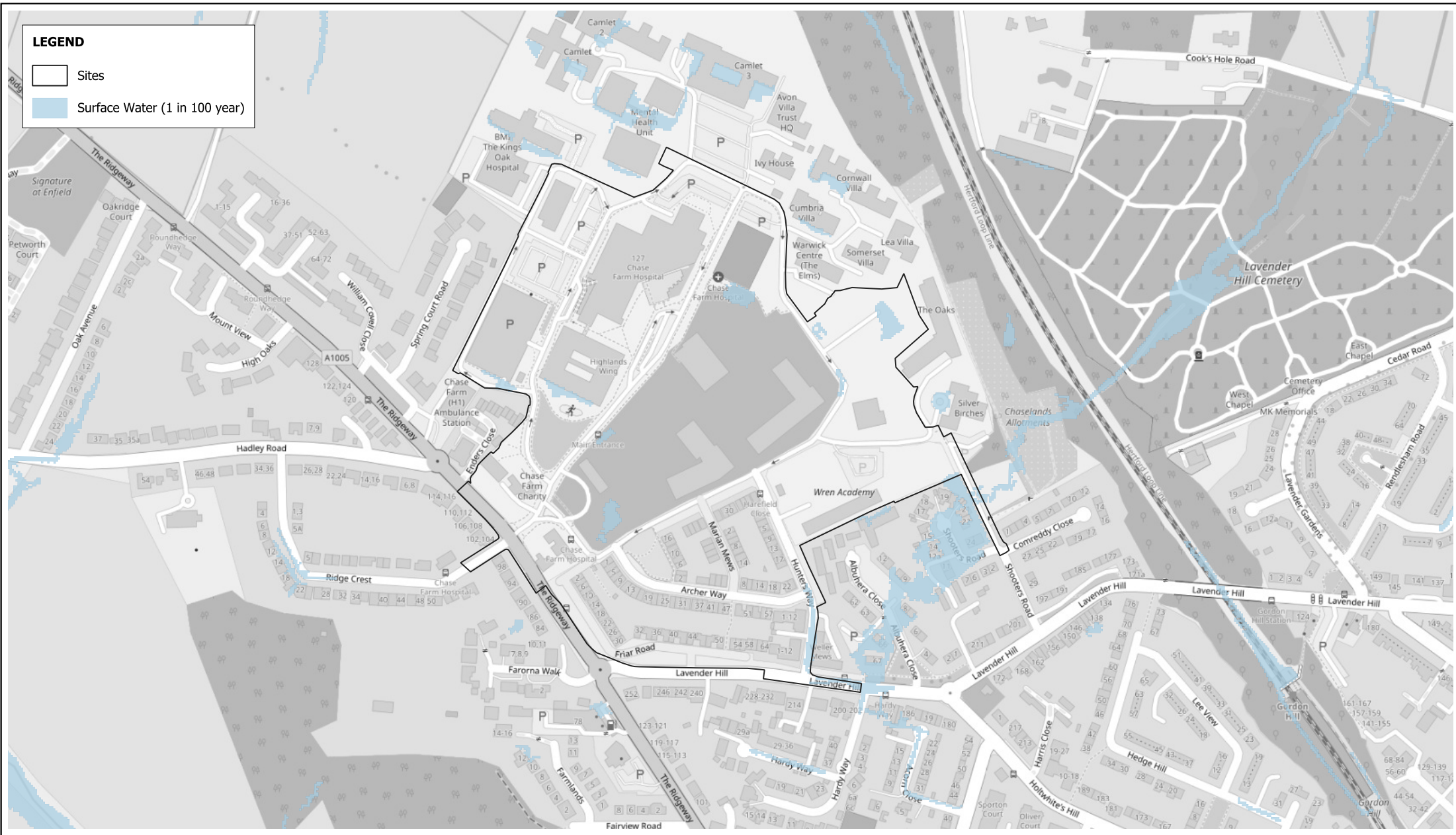
Figure:
U.03 - (12)

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LEGEND

- Sites
- Surface Water (1 in 100 year)



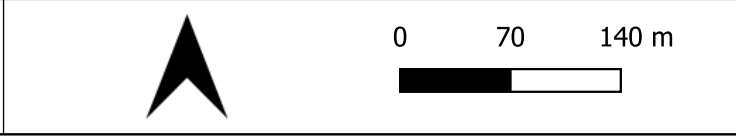
Surface Water Flooding (1 in 100 year)

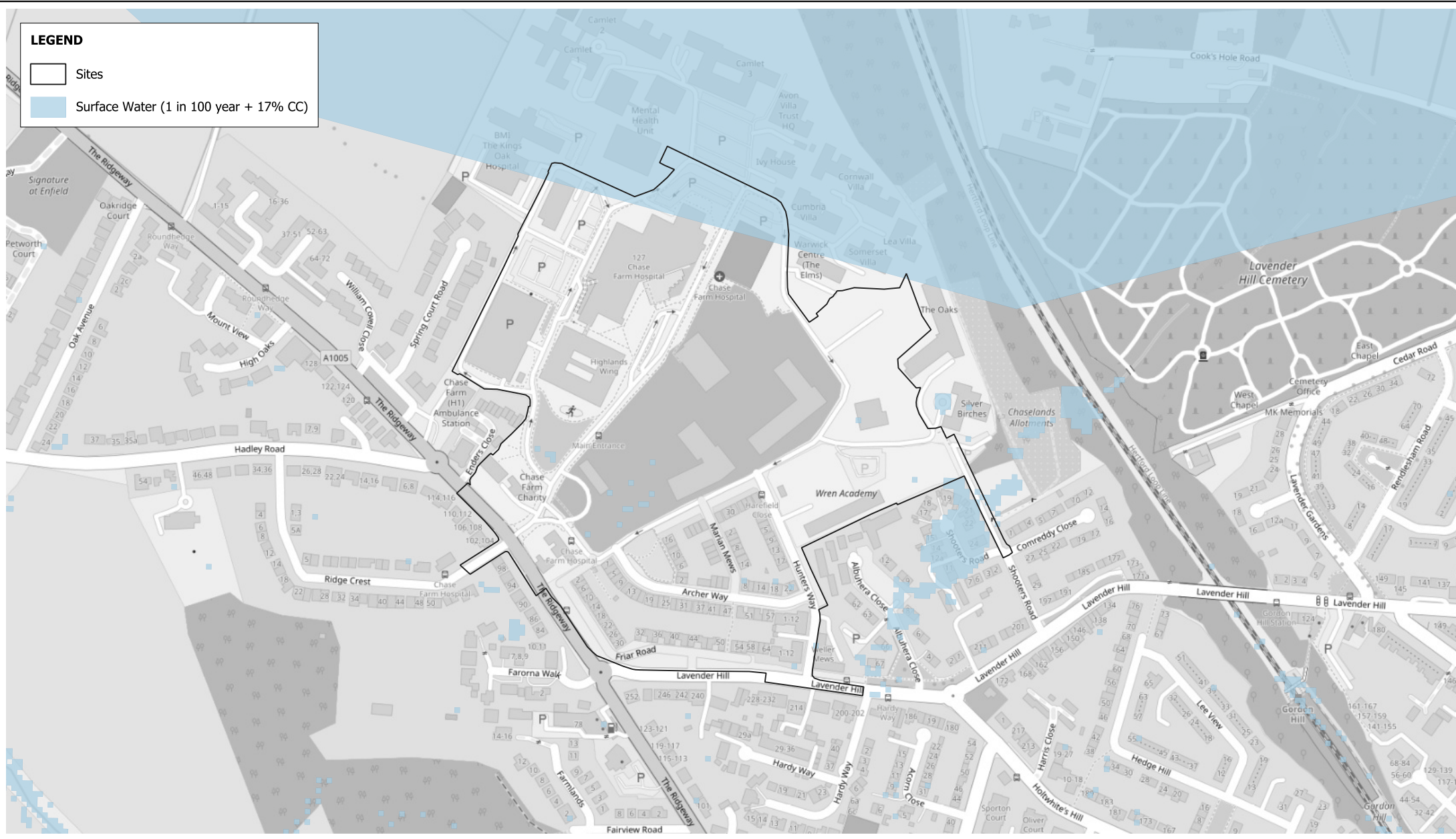
Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

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

Figure:
U.03 - (13)

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LEGEND

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

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:

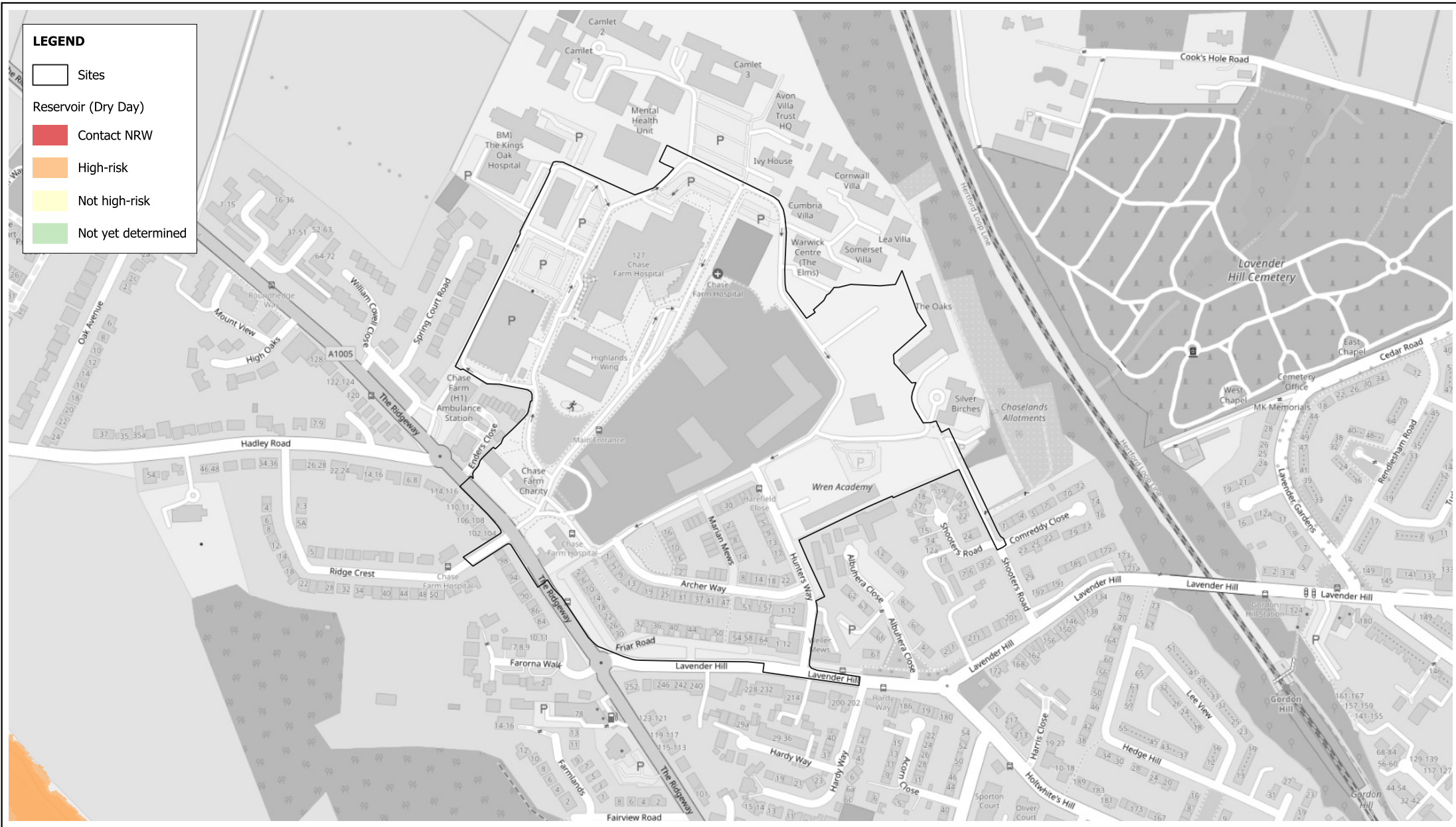
U.03 - (14)

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0 70 140 m





Risk of Flooding from Reservoirs (Dry Day)

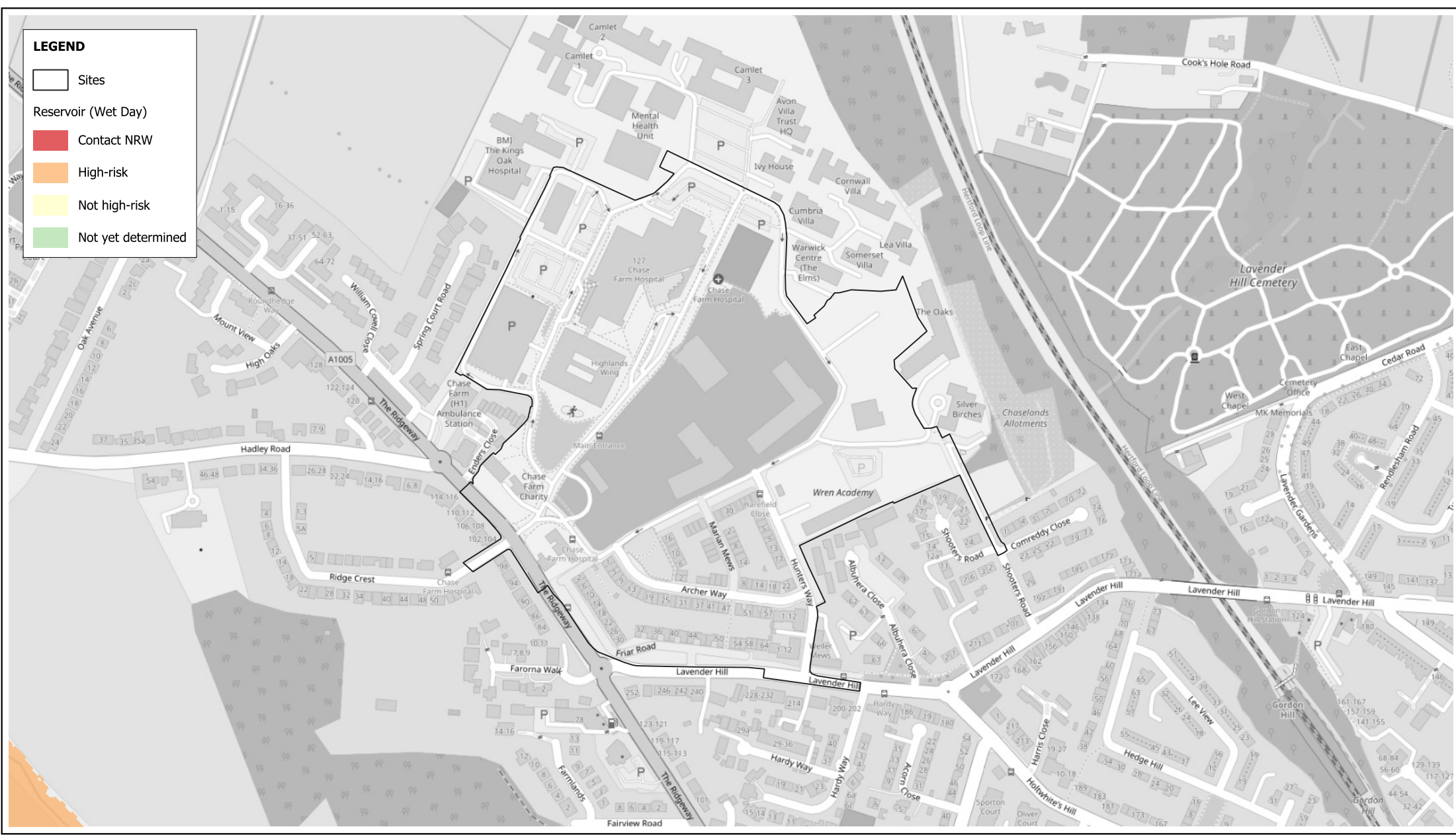
Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

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

Figure:
U.03 - (15)

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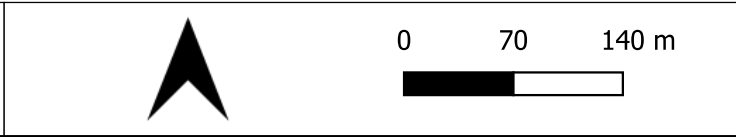
Risk of Flooding from Reservoirs (Wet Day)

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






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

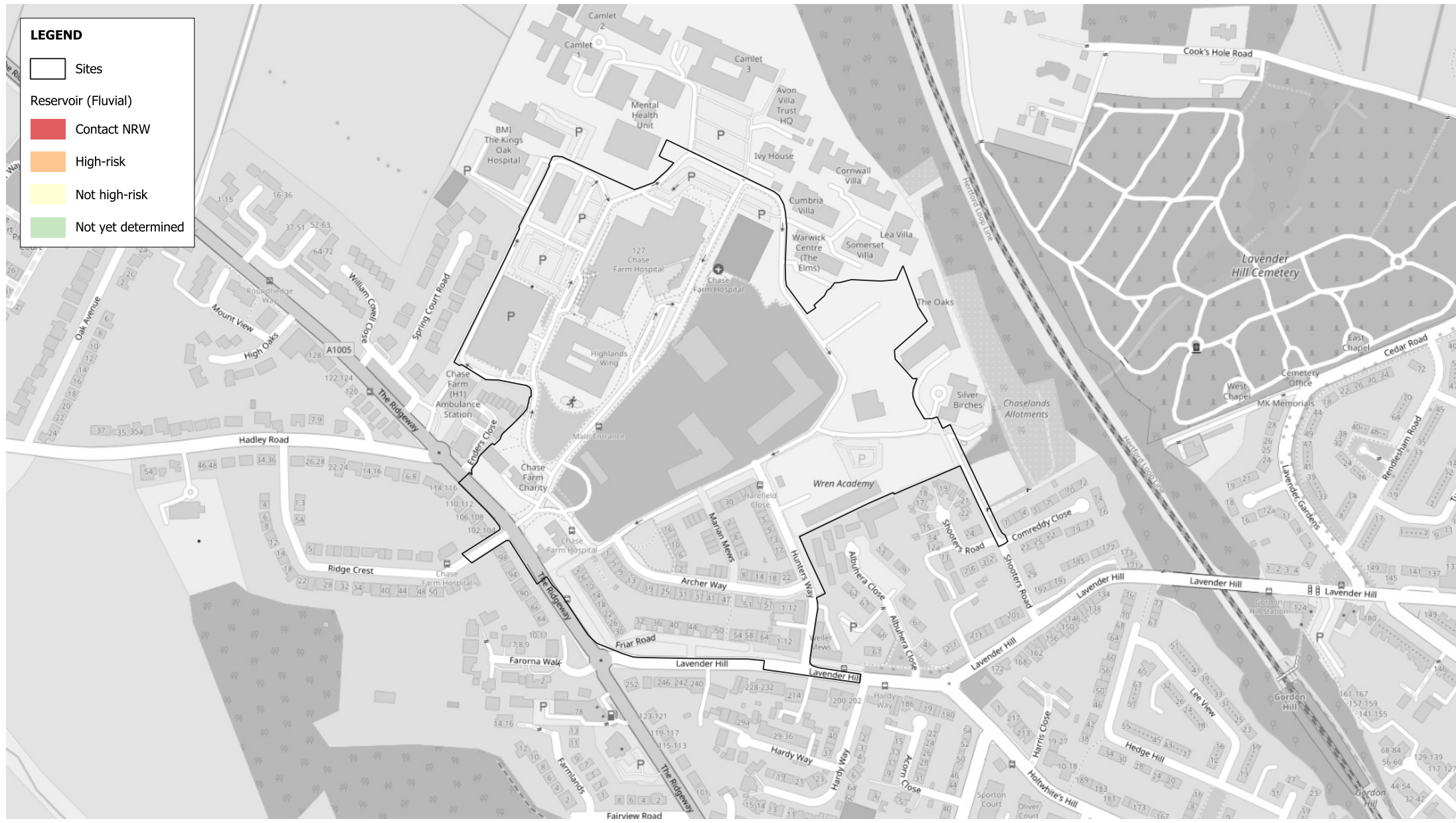
Figure:
U.03 - (16)

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LEGEND

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



Risk of Flooding from Reservoirs (Fluvial)

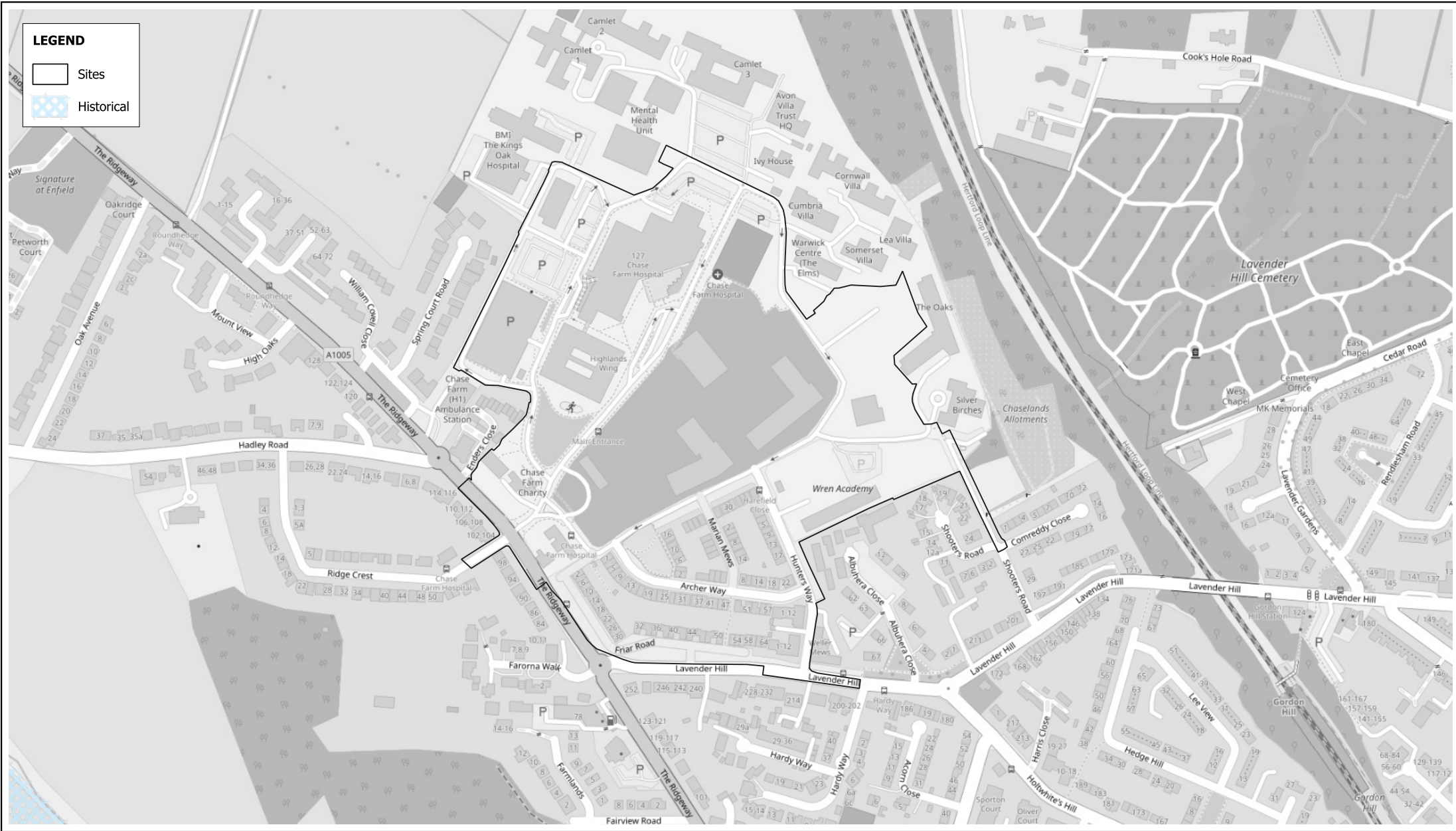
Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

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

Figure:
U.03 - (17)

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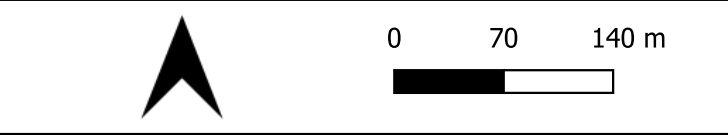
Historic Flood Areas

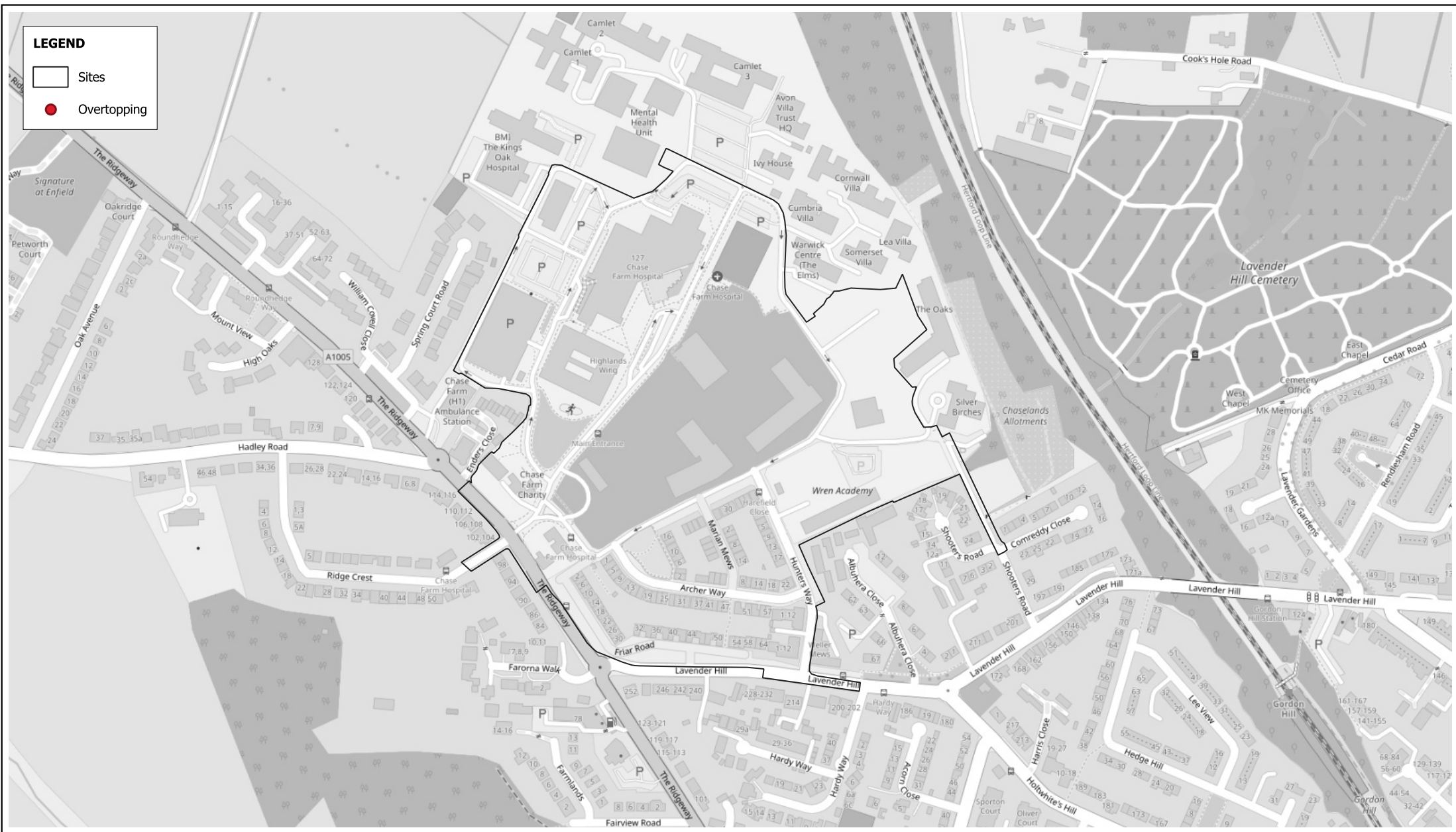
Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

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

Figure:
U.03 - (18)

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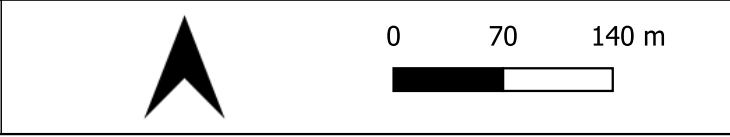
Overtopping (Canals and other artificial bodies)

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

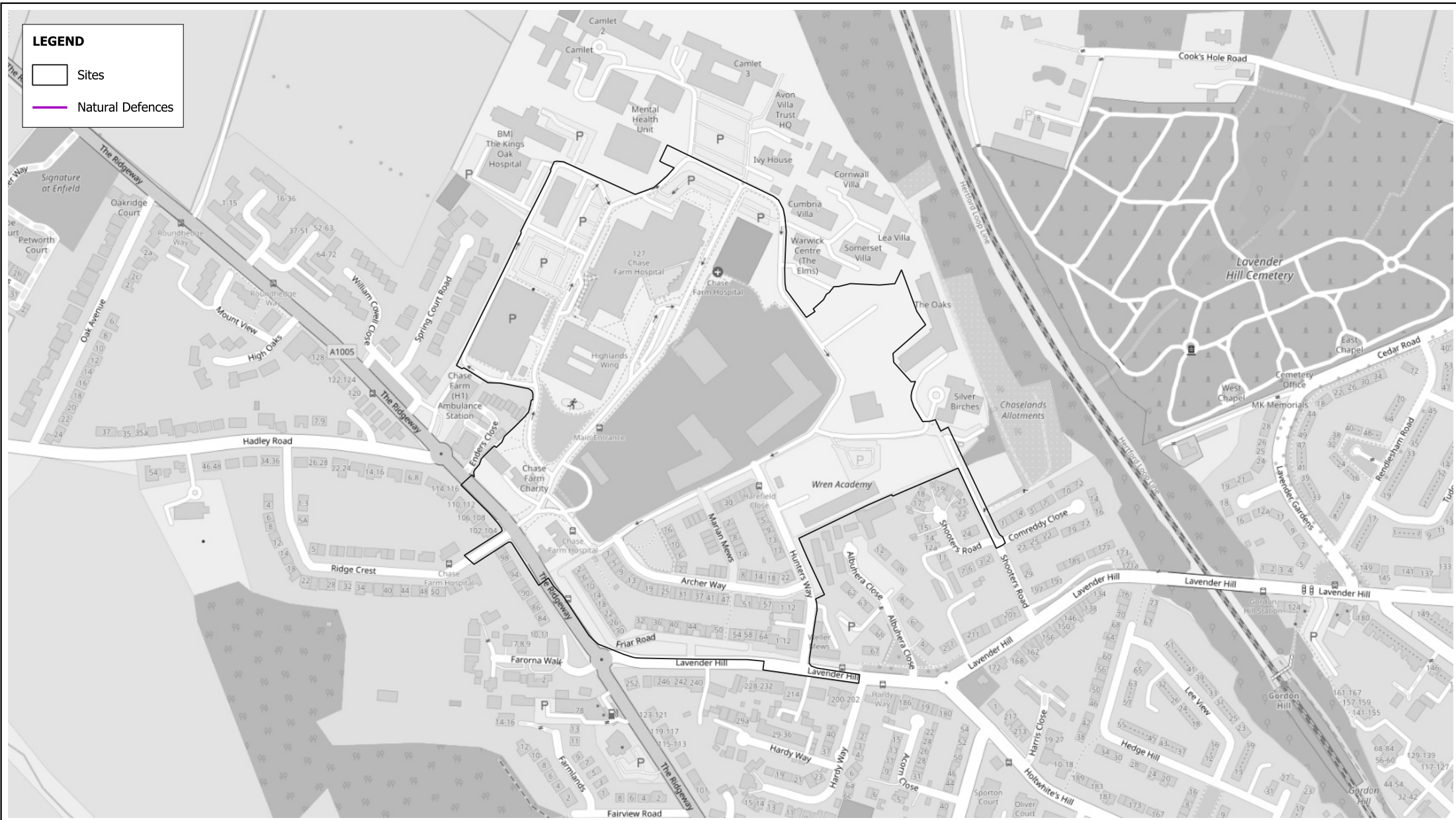
Figure:
U.03 - (19)

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LEGEND

- Sites
- Natural Defences



Natural Defences

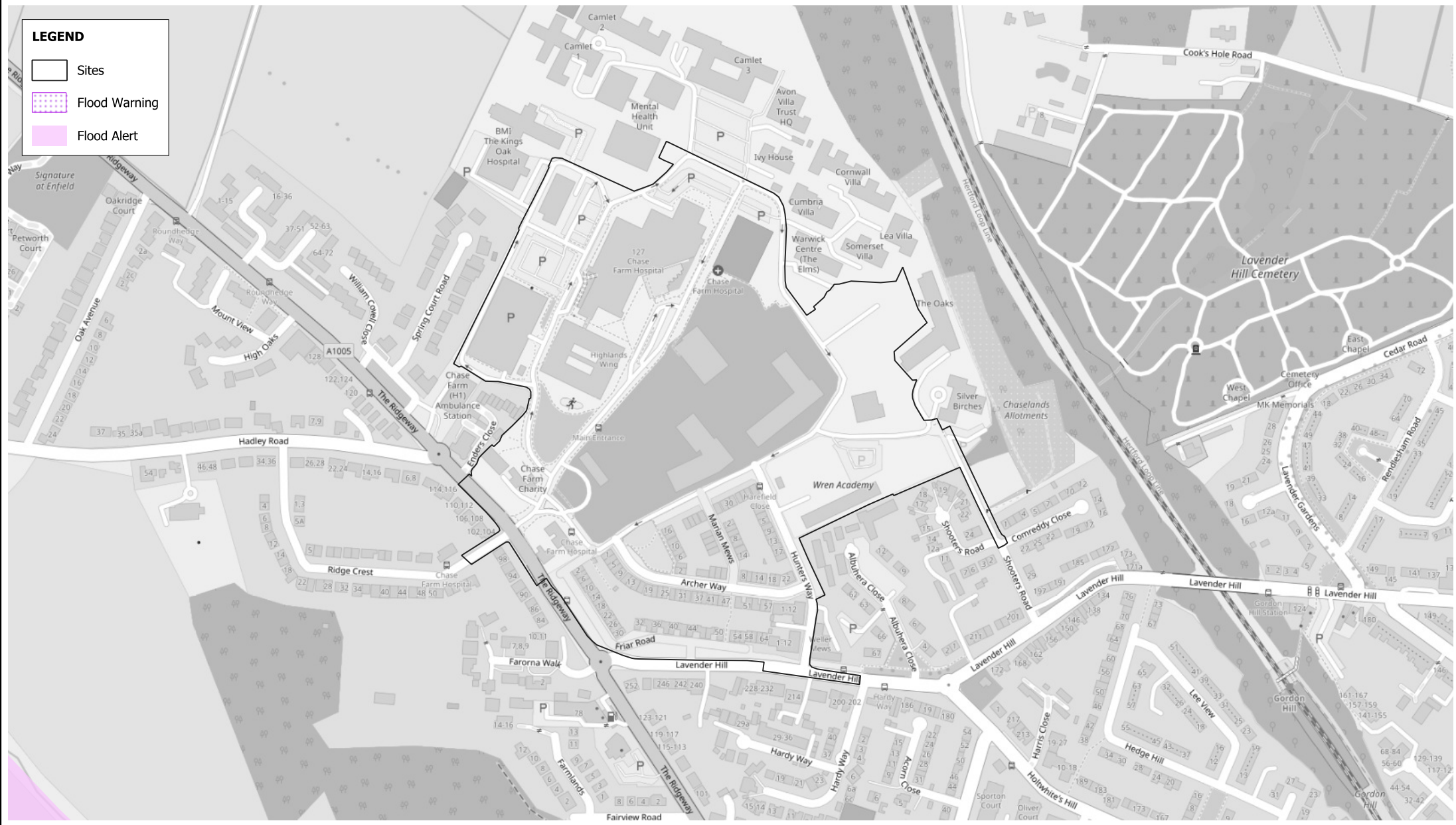
Projection : British National Grid
Produced by BMT
Production date : 24/10/2024

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

Figure:
U.03 - (20)

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Flood Alert and Flood Warning Areas

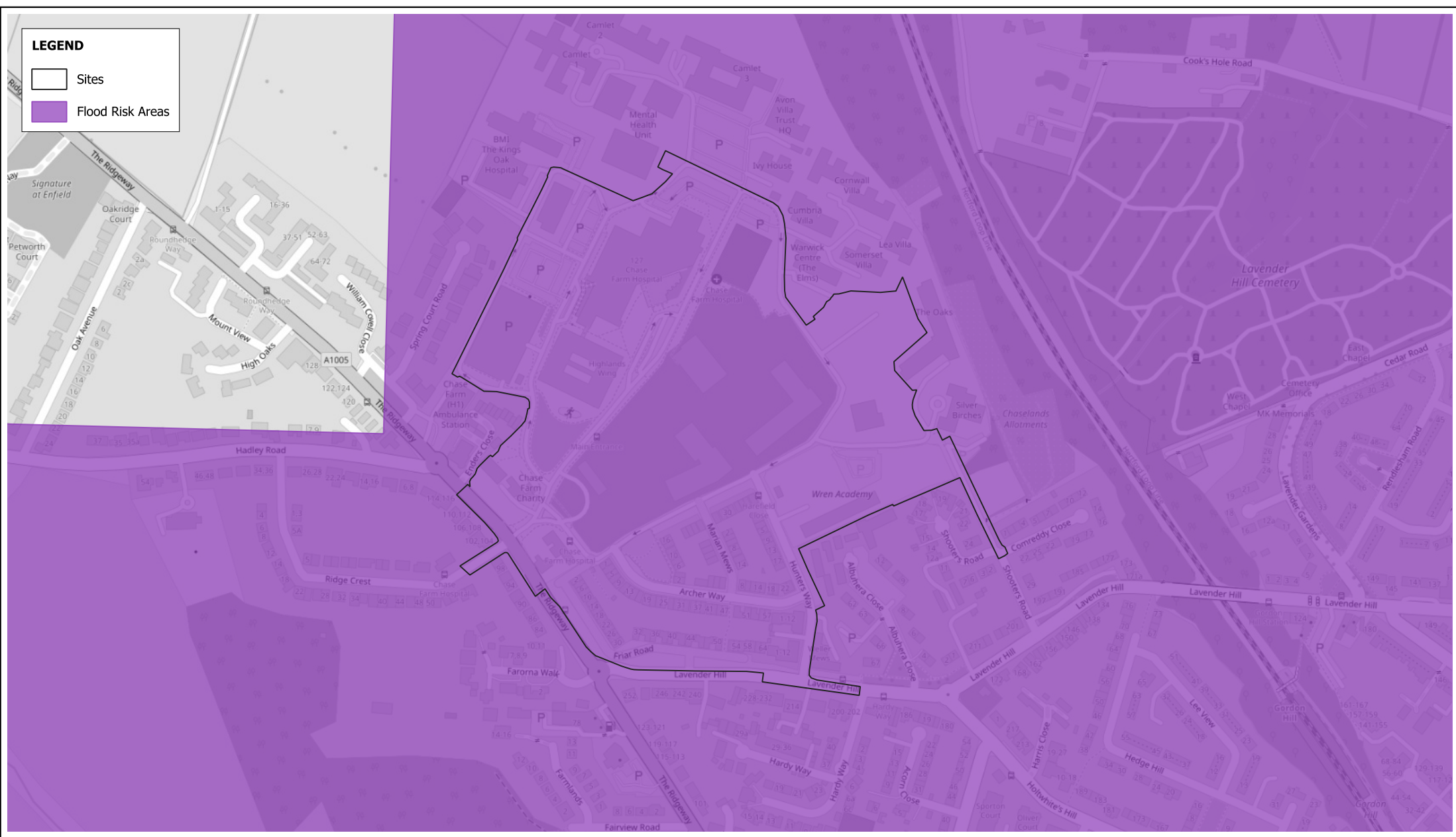
Projection : British National Grid
 Produced by BMT
 Production date : 24/10/2024

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

Figure:
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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:
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