

HALLAM LAND MANGEMENT LIMITED  
ST ALBANS SCHOOL  
ST ALBANS SCHOOL WOOLLAM TRUST

# Woollam Park

Environmental Summary  
Figures

December 2024



PLANNING  
LIMITED

# List of figures

Figure 6.1: Site location plan .....	3
Figure 6.2: Designated sites plan .....	4
Figure 6.3: UK habitats plan.....	5
Figure 11.1: Lidar data.....	6
Figure 11.2: Existing hydrological regime.....	7
Figure 11.3: British Geological Survey bedrock geology .....	8
Figure 11.4: British Geological Survey superficial deposits.....	9
Figure 11.5: Groundwater source and protection zone .....	10
Figure 11.6: Flood Map for Planning extract .....	11
Figure 11.7: Long term surface water flood risk mapping.....	12
Figure 16.1: Noise and Vibration Study Areas .....	13
Figure 16.2: Baseline Noise and Vibration Monitoring Locations .....	14
Figure 16.3: Noise Sensitive Receptor Groups.....	15
Figure 16.4: Sports Activity Noise from Proposed Playing Fields.....	16
Figure 17.1: Proposed Development Setting in the Context of Air Quality .....	17
Figure 17.2: Existing Receptor Locations.....	18
Figure 17.3: Proposed and Cumulative Development Receptor Locations.....	19
Figure 17.4: Diffusion Tube Monitoring Locations .....	20
Figure 17.5: 20m distance band around the site boundary.....	21
Figure 17.6: 20m distance band around the roads used by construction traffic within 250m of the site exit	22





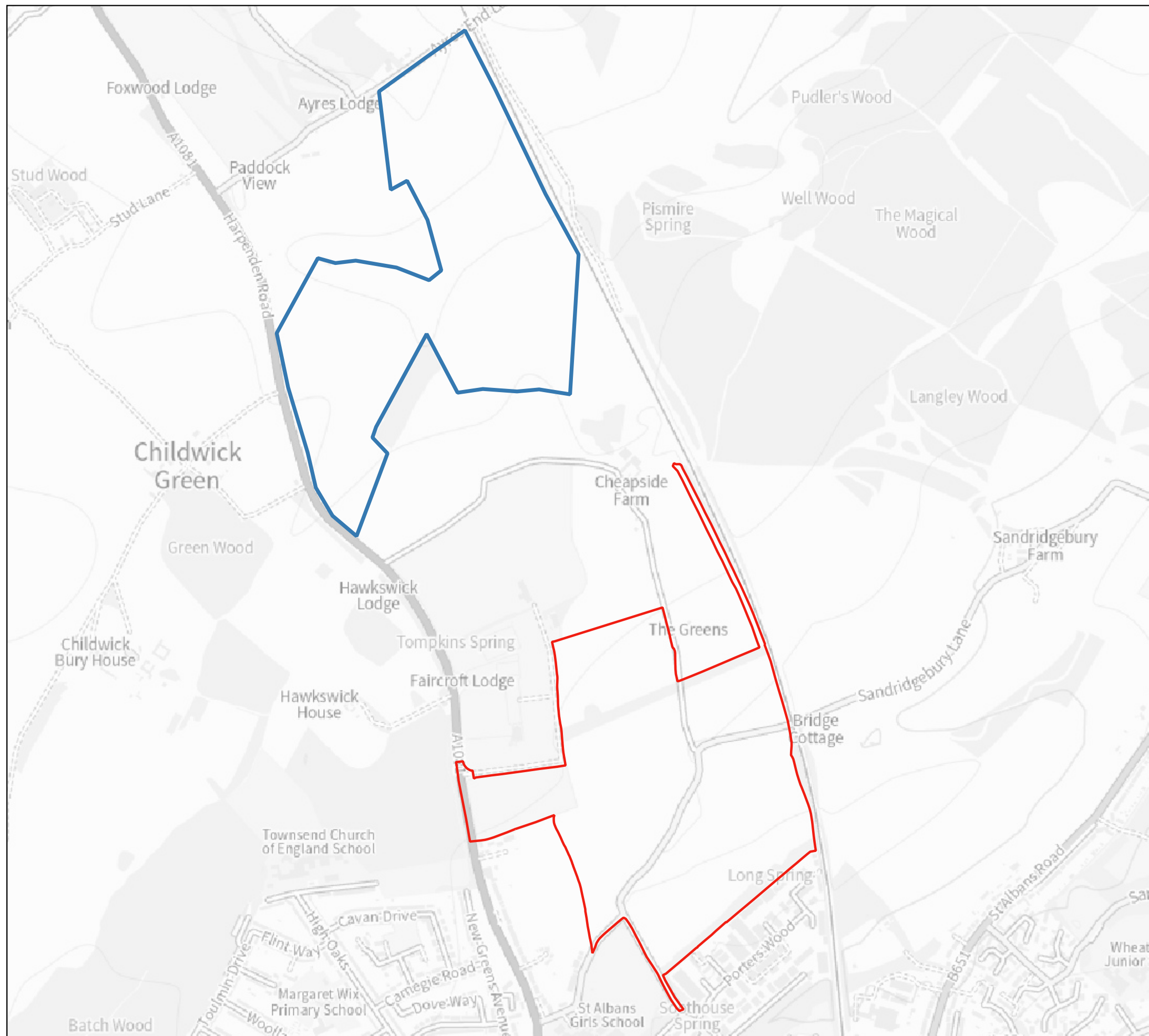
# Figure 6.1: Site location plan


---

This drawing is the property of FPCR Environment and Design Ltd and is issued on the condition it is not reproduced, retained or disclosed to any unauthorised person, either wholly or in part without written consent of FPCR Environment and Design Ltd.

Ordnance Survey material - Crown Copyright. All rights reserved.  
Licence Number: 100019980

-  Red Line Boundary
-  Farmland Bird Mitigation Area



 client  
Hallam Land Management Ltd.

project  
Land at North St. Albans  
St Albans

drawing title  
SITE LOCATION PLAN


scale  
1:10,500

drawn  
HG

issue date  
2/8/2024

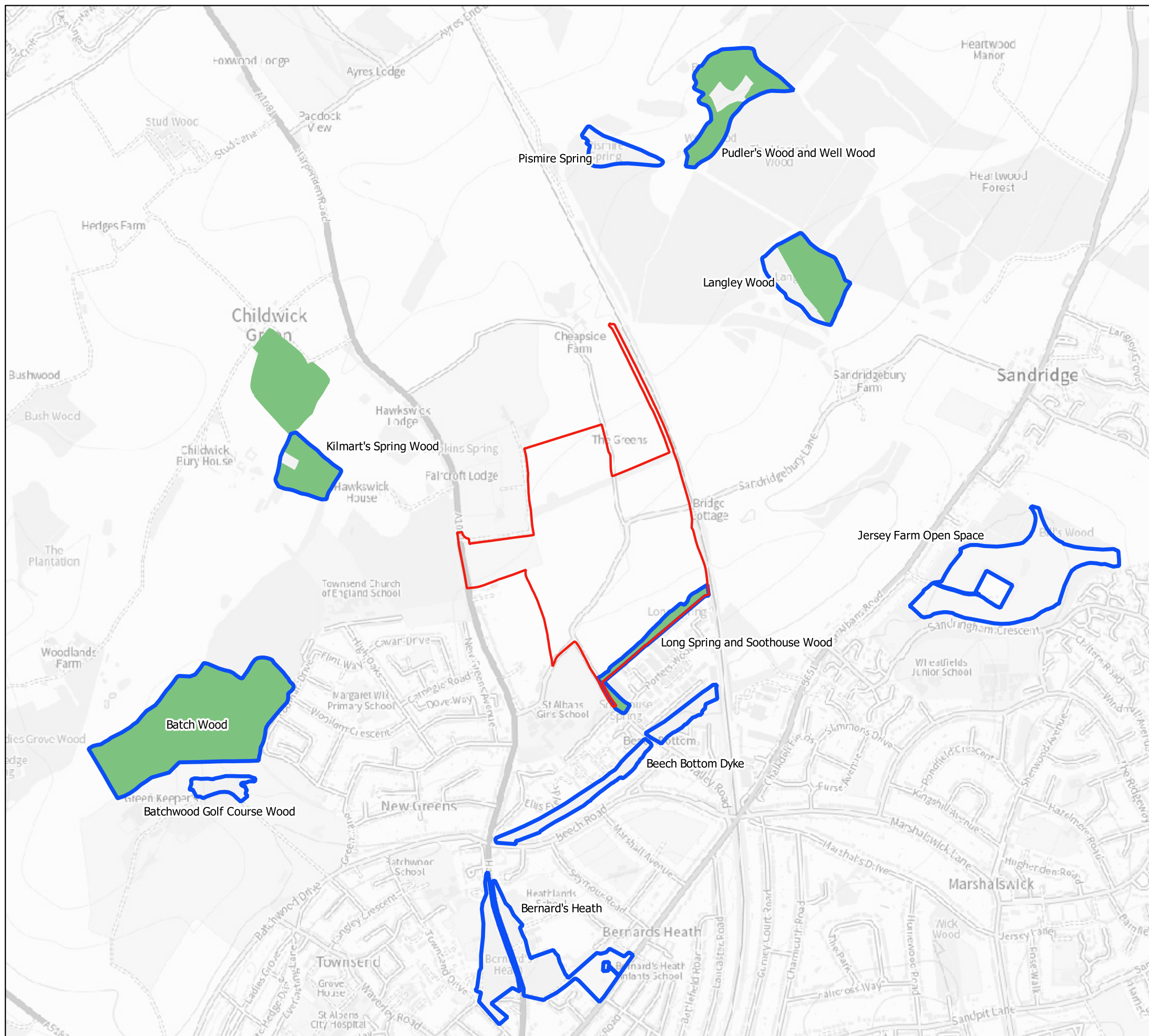
drawing / figure number  
**Figure 6.1**

rev  
**8575-E-01**



# Figure 6.2: Designated sites plan

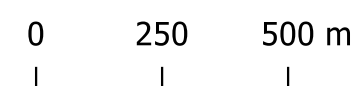
---



This drawing is the property of FPCR Environment and Design Ltd and is issued on the condition it is not reproduced, retained or disclosed to any unauthorised person, either wholly or in part without written consent of FPCR Environment and Design Ltd.

Ordnance Survey material - Crown Copyright. All rights reserved.  
Licence Number: 100019980

- Red Line Boundary
- Designated sites**
- Local Wildlife Sites
- Ancient Woodland



client  
Hallam Land Management Ltd.  
 project  
Land at North St. Albans  
St Albans  
 drawing title  
Designated Sites Plan

scale  
1:15,000  
 drawn  
BL/ REM  
 issue date  
2/8/2024

drawing / figure number  
**Figure 6.2**  
 rev  
**8575-E-01**

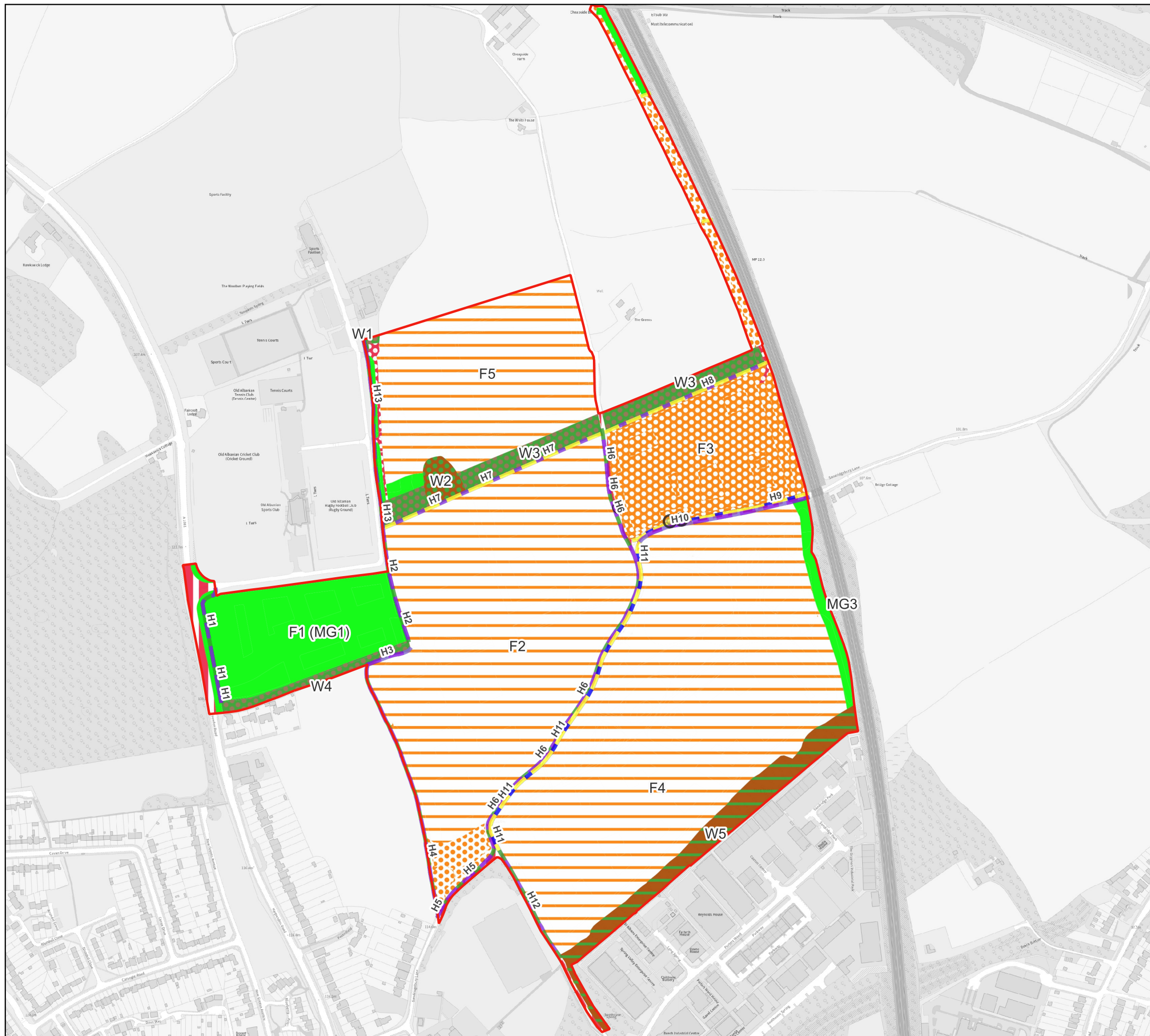
# Figure 6.3: UK habitats plan

---

This drawing is the property of FPCR Environment and Design Ltd and is issued on the condition it is not reproduced, retained or disclosed to any unauthorised person, either wholly or in part without written consent of FPCR Environment and Design Ltd.

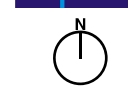
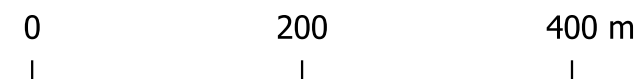
Ordnance Survey material - Crown Copyright. All rights reserved. Licence Number: 100019980

UKHab Materials: © UKHAB LTD. No onward licence implied or provided. All rights reserved <https://ukhab.org/commercial-eula/>



## Key

- Site Boundary**
- Baseline Habitats**
- Arable field margins cultivated annually**
- Artificial unvegetated, unsealed surface**
- Cereal crops**
- Developed land; sealed surface**
- Lowland mixed deciduous woodland**
- Modified grassland**
- Non-cereal crops**
- Other woodland; broadleaved**
- Other woodland; mixed**
- Baseline Hedgerows**
- Line of trees**
- Native hedgerow**
- Native hedgerow - associated with bank or ditch**
- Native hedgerow with trees**
- Species-rich native hedgerow**
- Species-rich native hedgerow with trees**
- Baseline Individual Trees**
- Existing Large Rural Tree**
- Existing Medium Rural Tree**

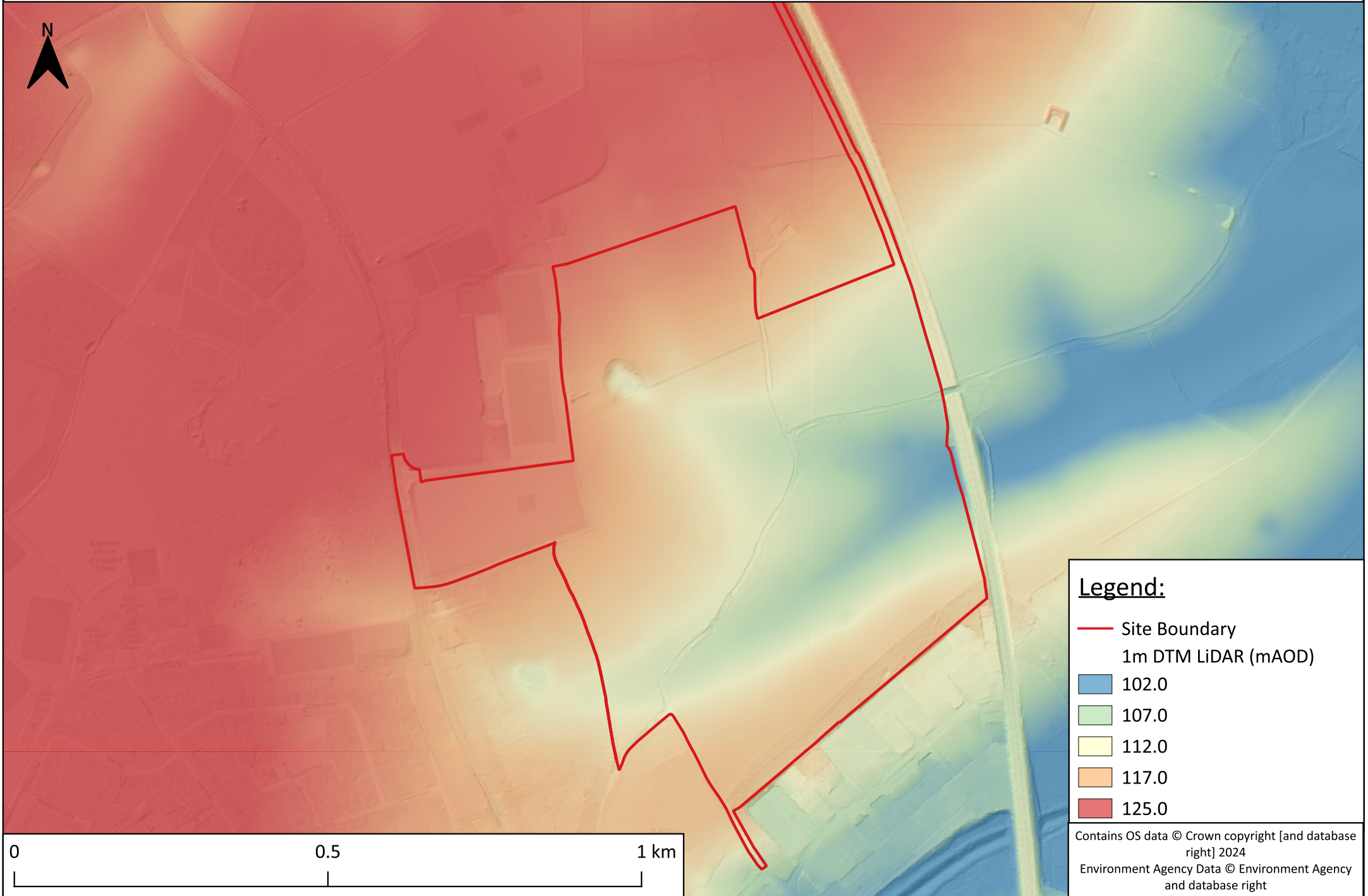


**Figure 6.3**

## Figure 11.1: Lidar data

---

# 1m DTM LIDAR from Environment Agency Data



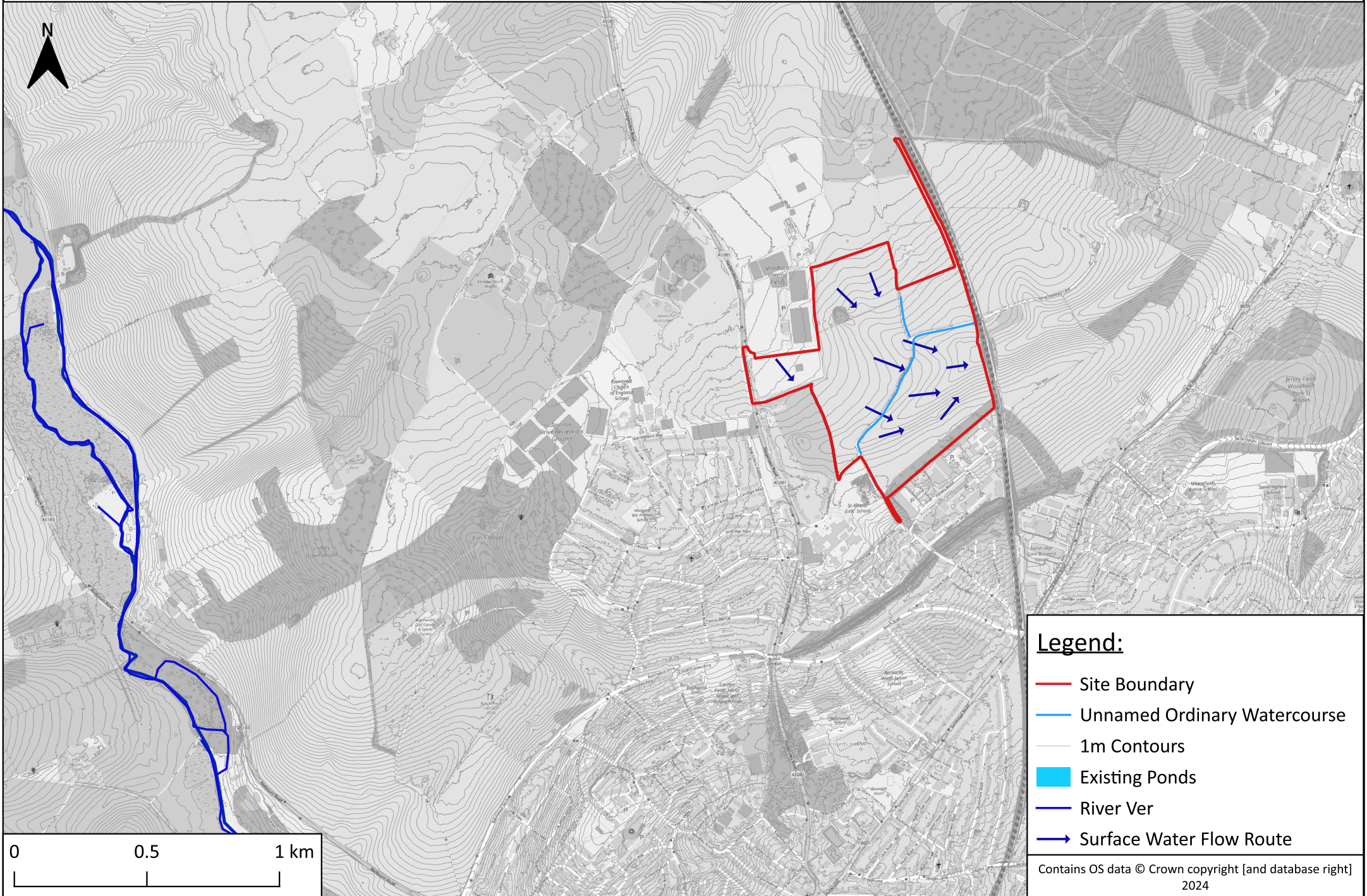
0 0.5 1 km

Contains OS data © Crown copyright [and database right] 2024  
Environment Agency Data © Environment Agency and database right

# Figure 11.2: Existing hydrological regime

---

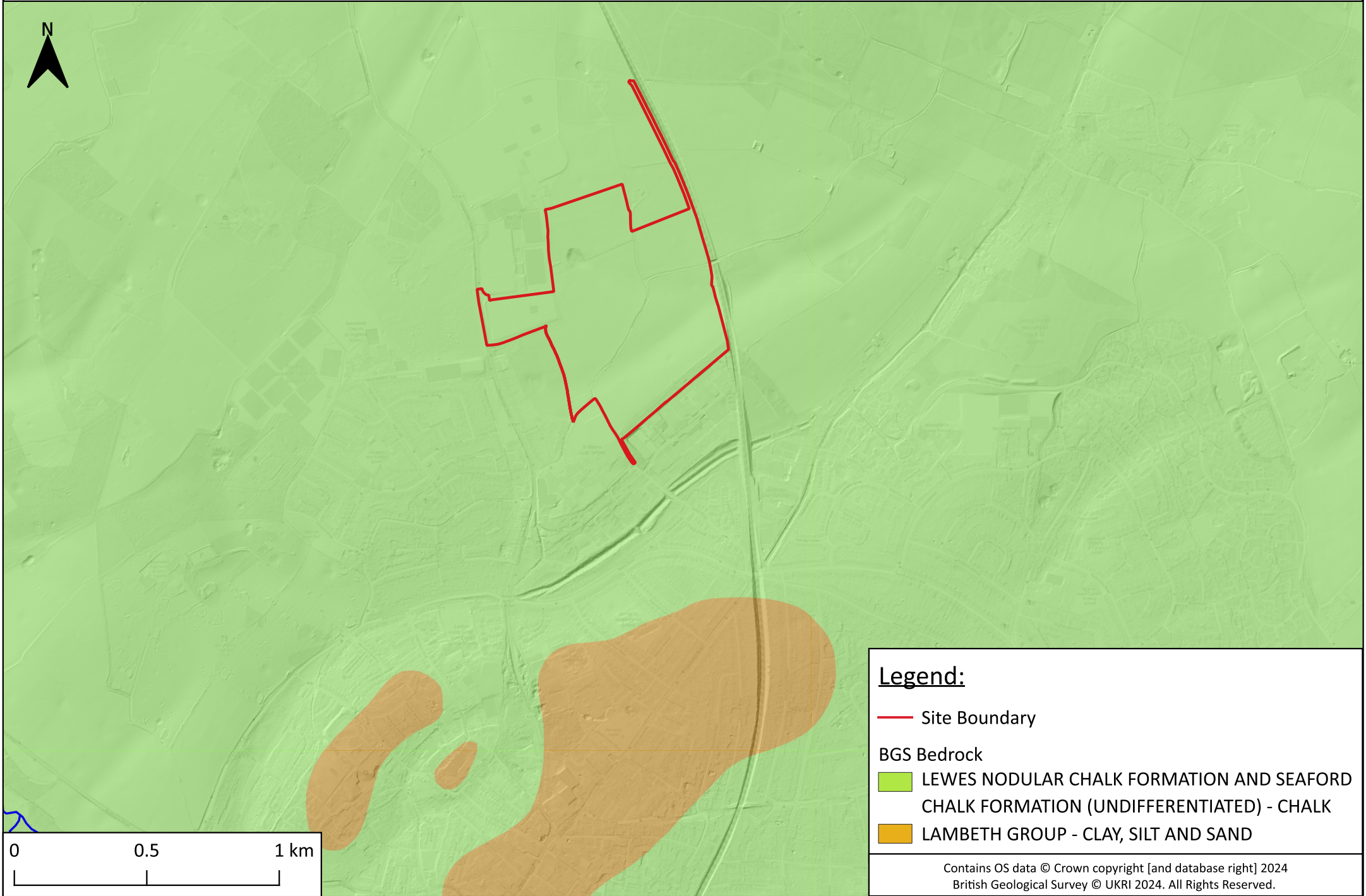
# Existing Site Hydrological Regime



# Figure 11.3: British Geological Survey bedrock geology

---

# Underlying BGS Classified Bedrock Geology



## Legend:

— Site Boundary

BGS Bedrock

LEWES NODULAR CHALK FORMATION AND SEAFORD  
CHALK FORMATION (UNDIFFERENTIATED) - CHALK

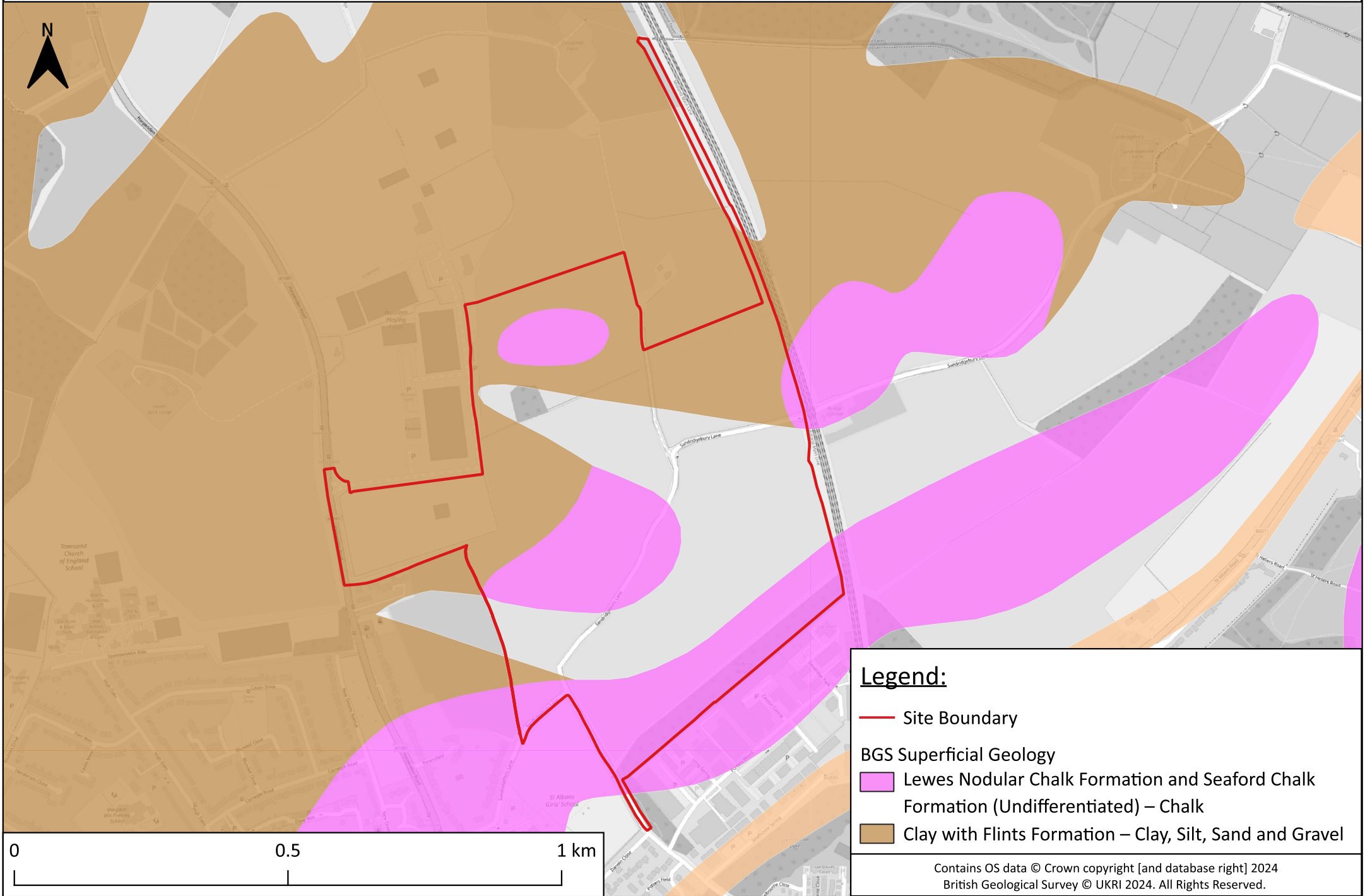
LAMBETH GROUP - CLAY, SILT AND SAND

Contains OS data © Crown copyright [and database right] 2024  
British Geological Survey © UKRI 2024. All Rights Reserved.

# Figure 11.4: British Geological Survey superficial deposits

---

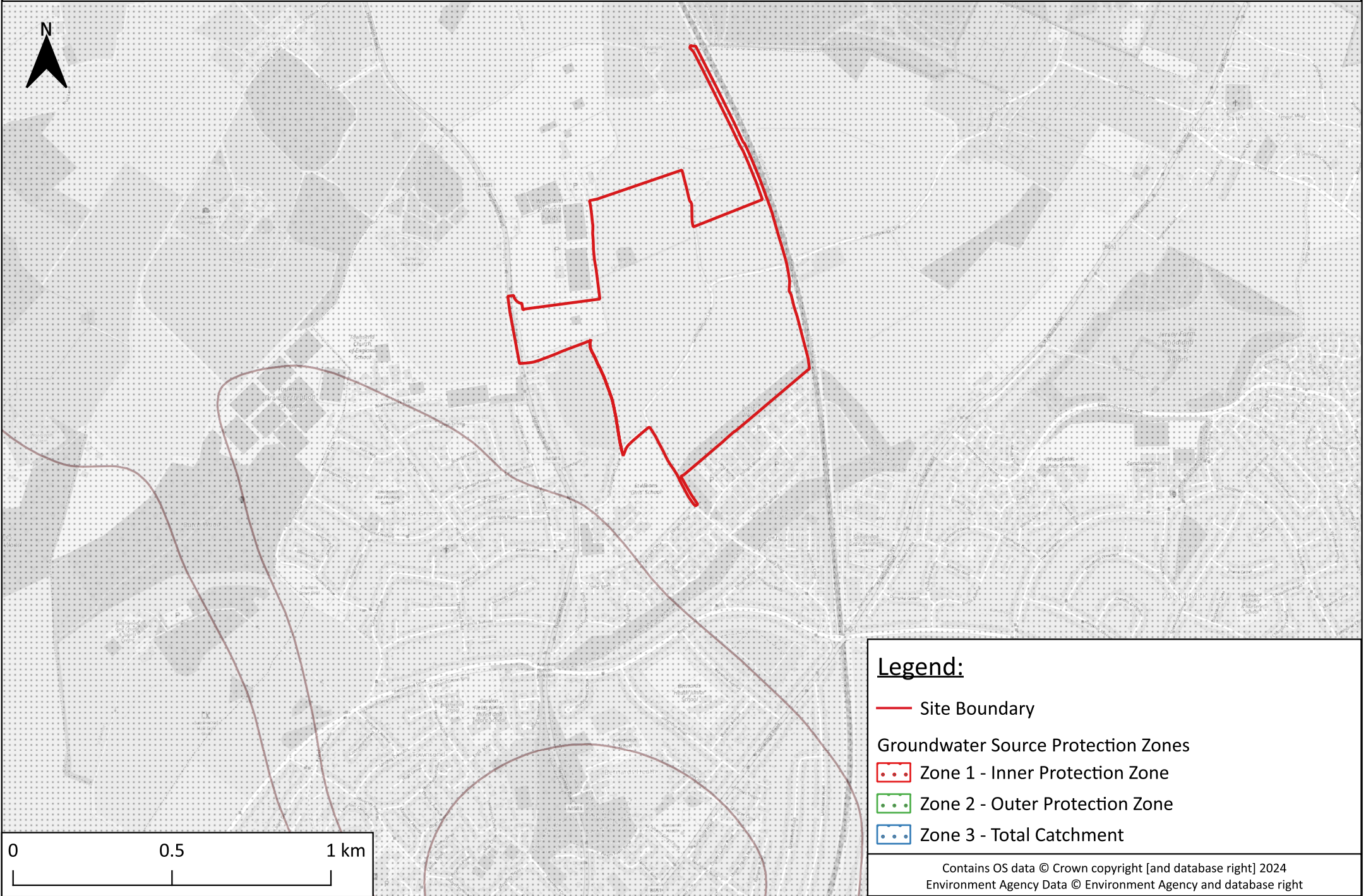
# Underlying BGS Classified Superficial Geology



## Figure 11.5: Groundwater source and protection zone

---

# Groundwater Source Protection Zones



## Legend:

— Site Boundary

Groundwater Source Protection Zones

Zone 1 - Inner Protection Zone

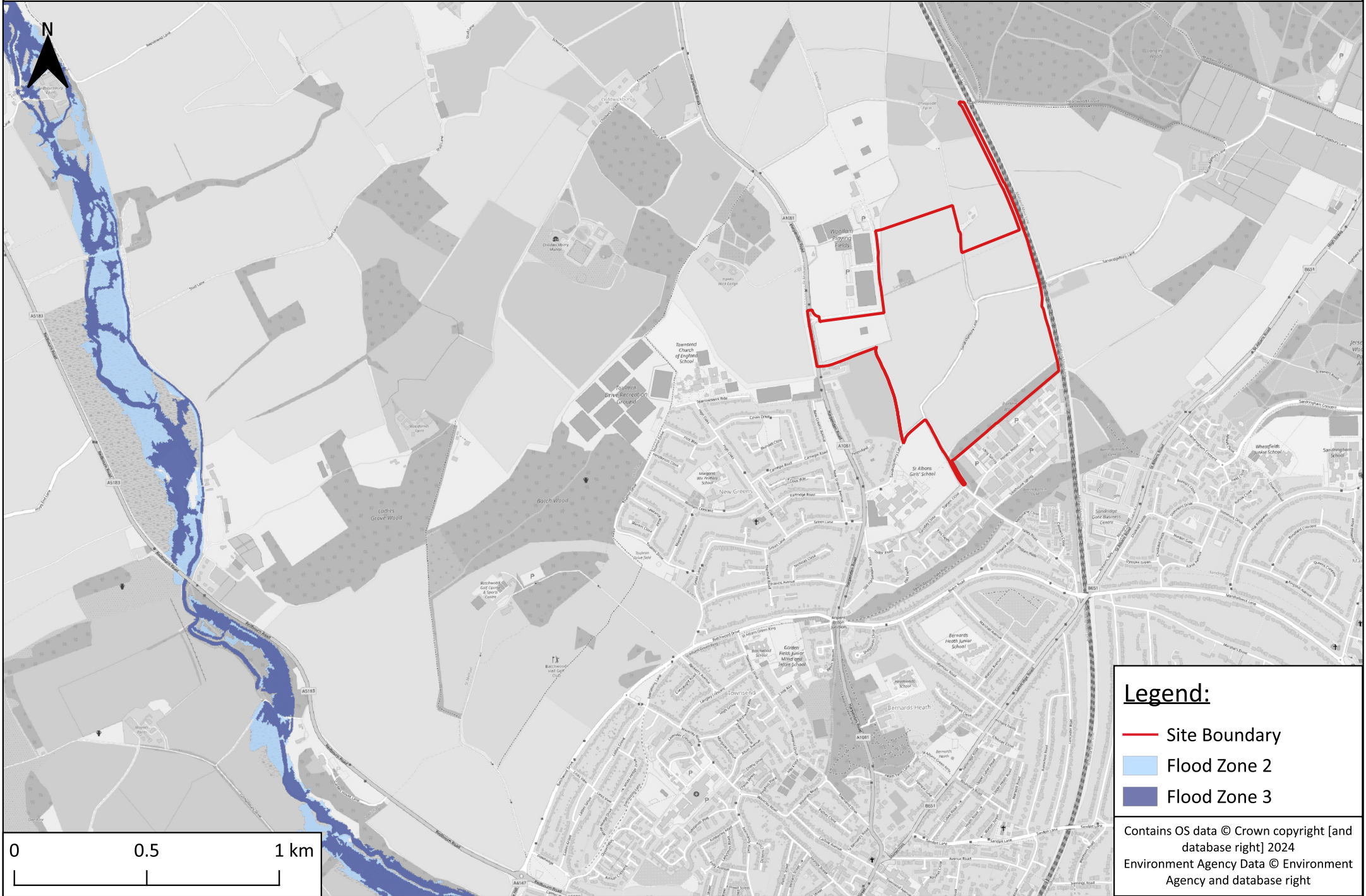
Zone 2 - Outer Protection Zone

Zone 3 - Total Catchment

# Figure 11.6: Flood Map for Planning extract

---

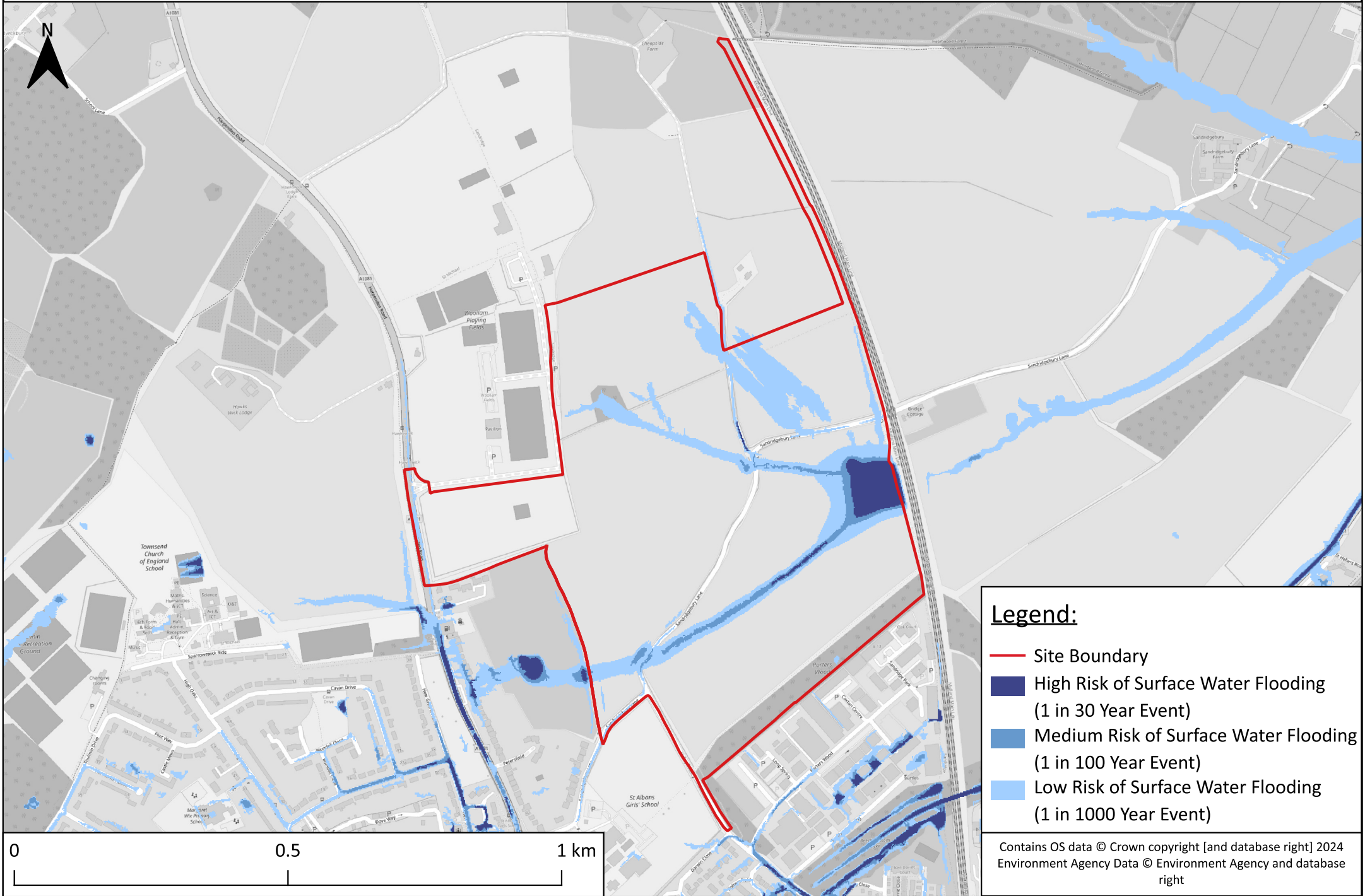
# Flood Map for Planning Extract



## Figure 11.7: Long term surface water flood risk mapping

---

# Long Term Surface Water Flood Risk Mapping



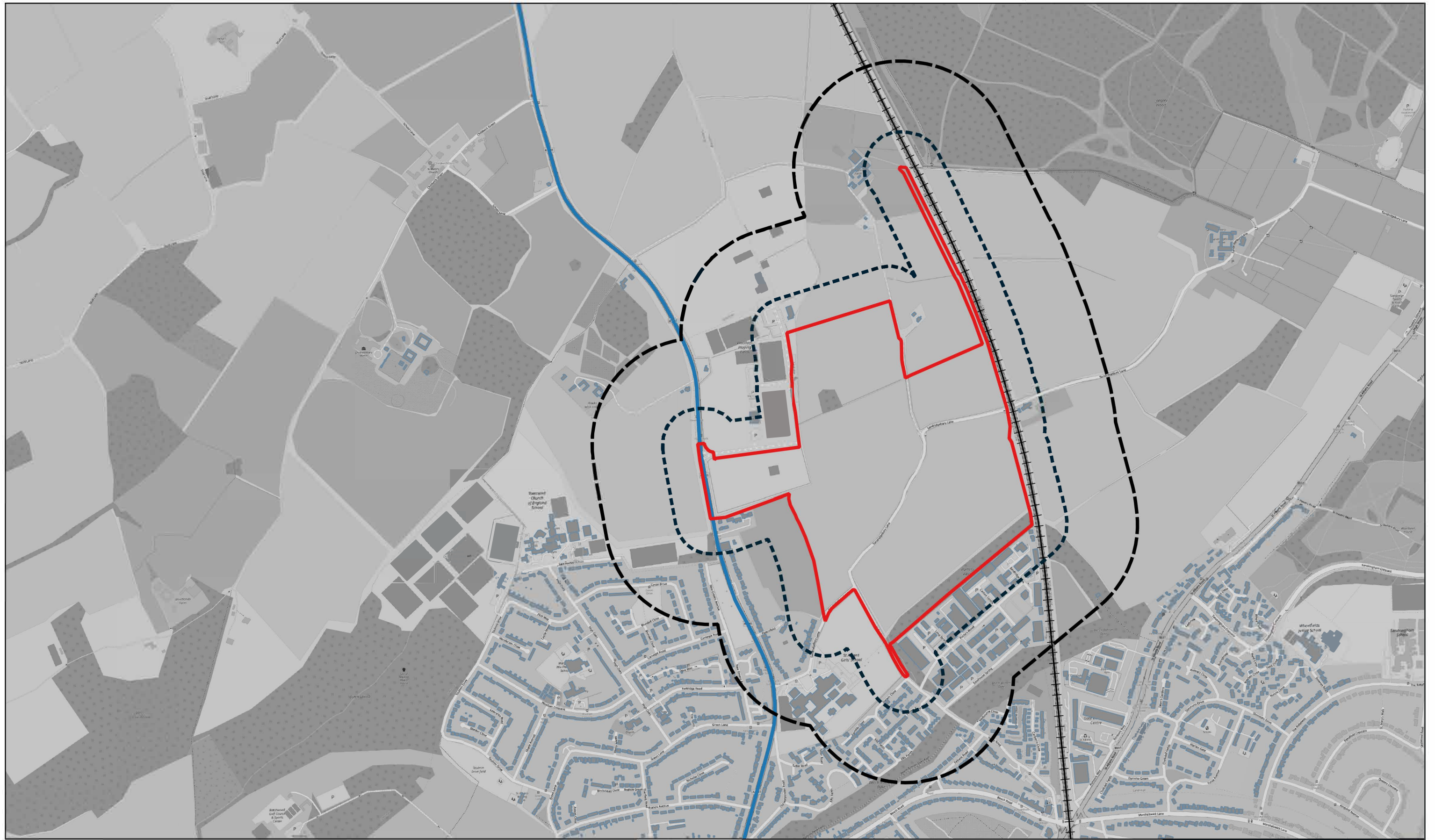
## Legend:

- Site Boundary
- High Risk of Surface Water Flooding (1 in 30 Year Event)
- Medium Risk of Surface Water Flooding (1 in 100 Year Event)
- Low Risk of Surface Water Flooding (1 in 1000 Year Event)

Contains OS data © Crown copyright [and database right] 2024  
Environment Agency Data © Environment Agency and database right

## Figure 16.1: Noise and Vibration Study Areas

---



- Site Boundary
- Harpenden Road
- Midland Main Line
- Existing Buildings
- Construction Noise Study Area
- Construction Vibration and Operational Noise Study Area



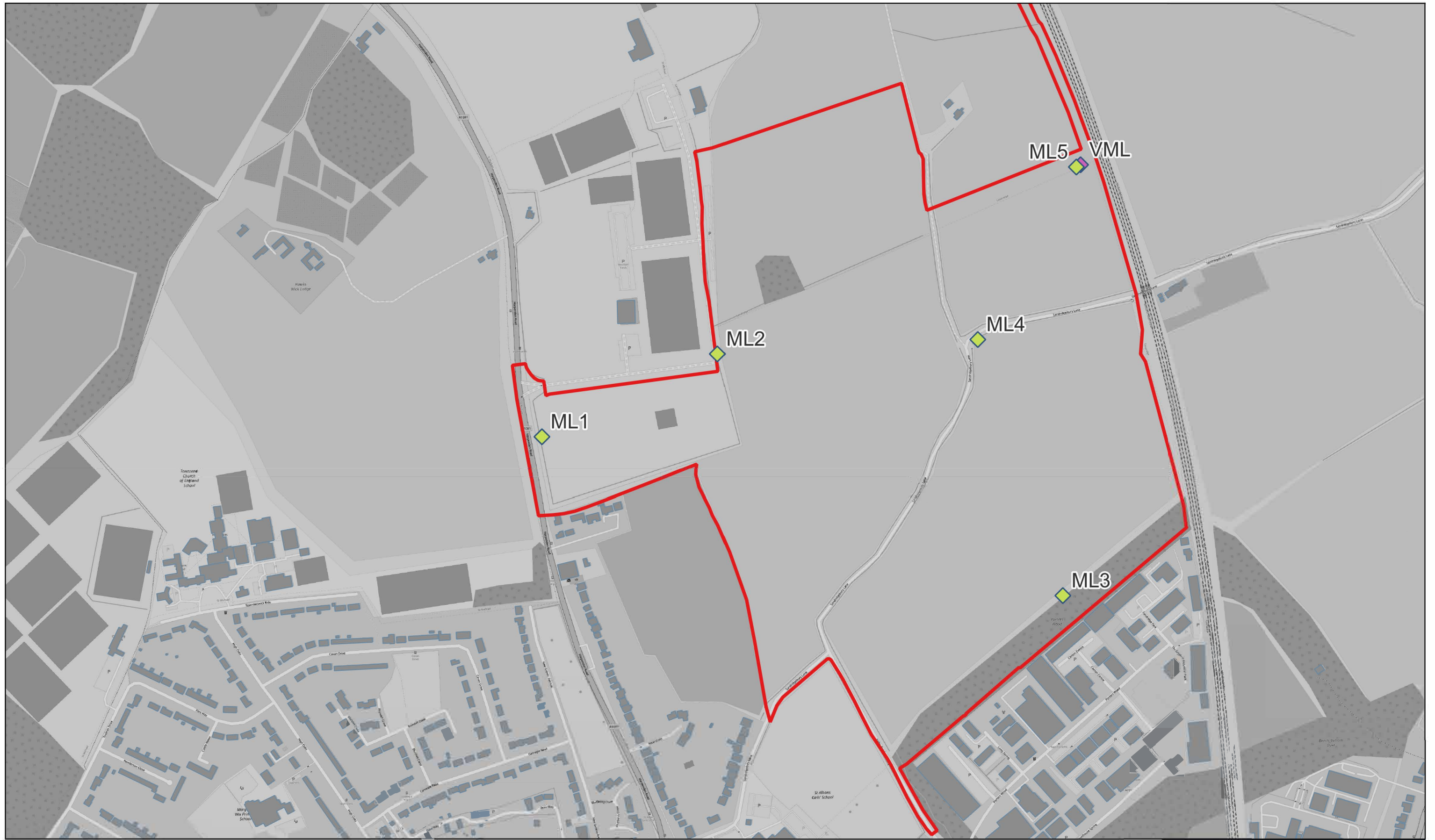
Woollam Park
Project Ref: 12954A-20
Drawn Date 2024-12-05

Figure 16.1: Noise and Vibration Study Areas



## Figure 16.2: Baseline Noise and Vibration Monitoring Locations

---



- ▭ Site Boundary
- ◆ Noise Monitoring Location
- ◆ Vibration Monitoring Location



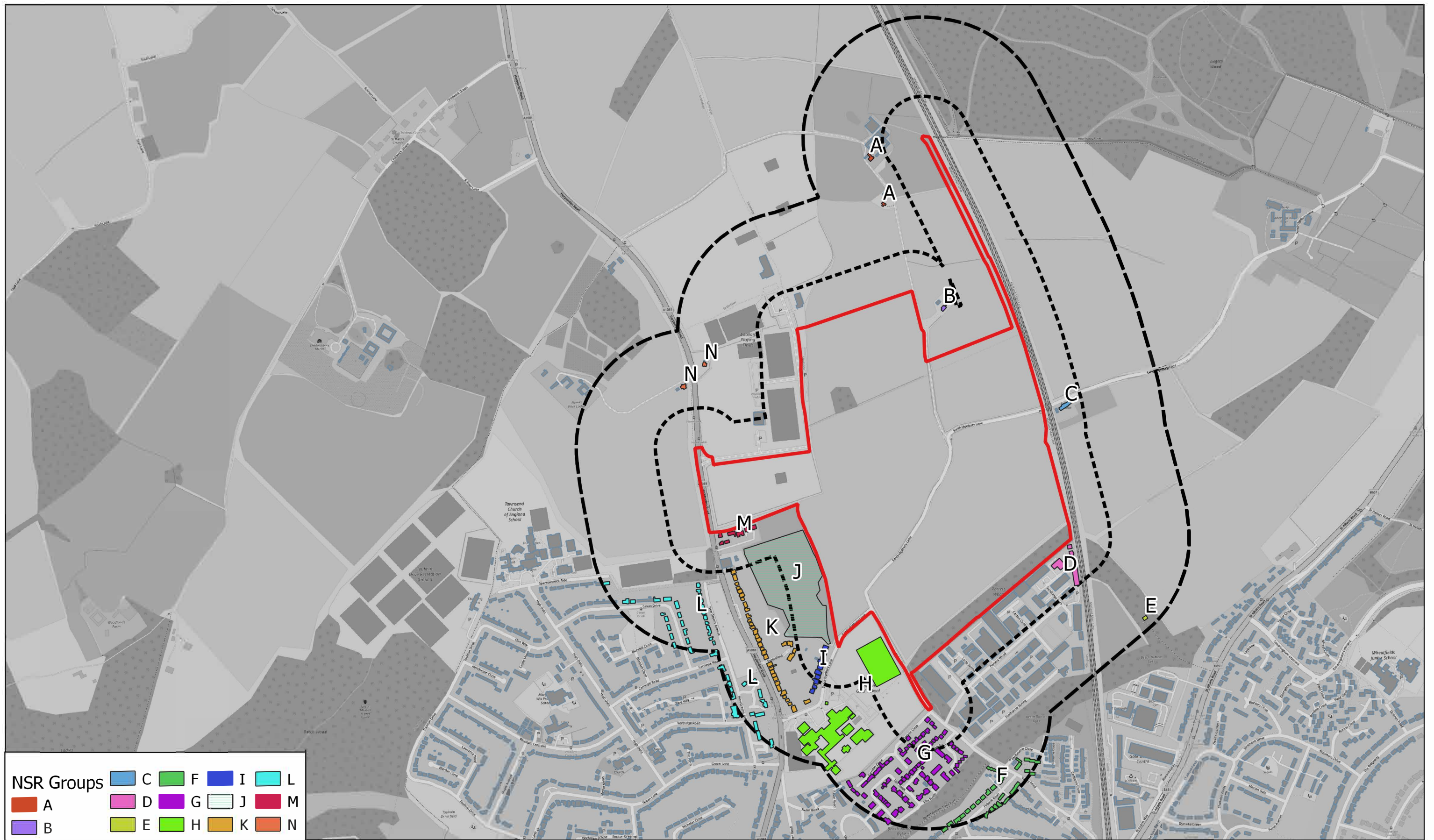
Figure 16.2: Baseline Noise and Vibration Monitoring Locations

Woollam Park
Project Ref: 12954A-20
Drawn Date 2024-12-05



# Figure 16.3: Noise Sensitive Receptor Groups

---



NSR Groups			
A	C	F	I
B	D	G	L
E	H	J	M
K	N		

- Site Boundary
- Existin Buildings
- Construction Noise Study Area
- Construction Vibration and Operational Noise Study Area

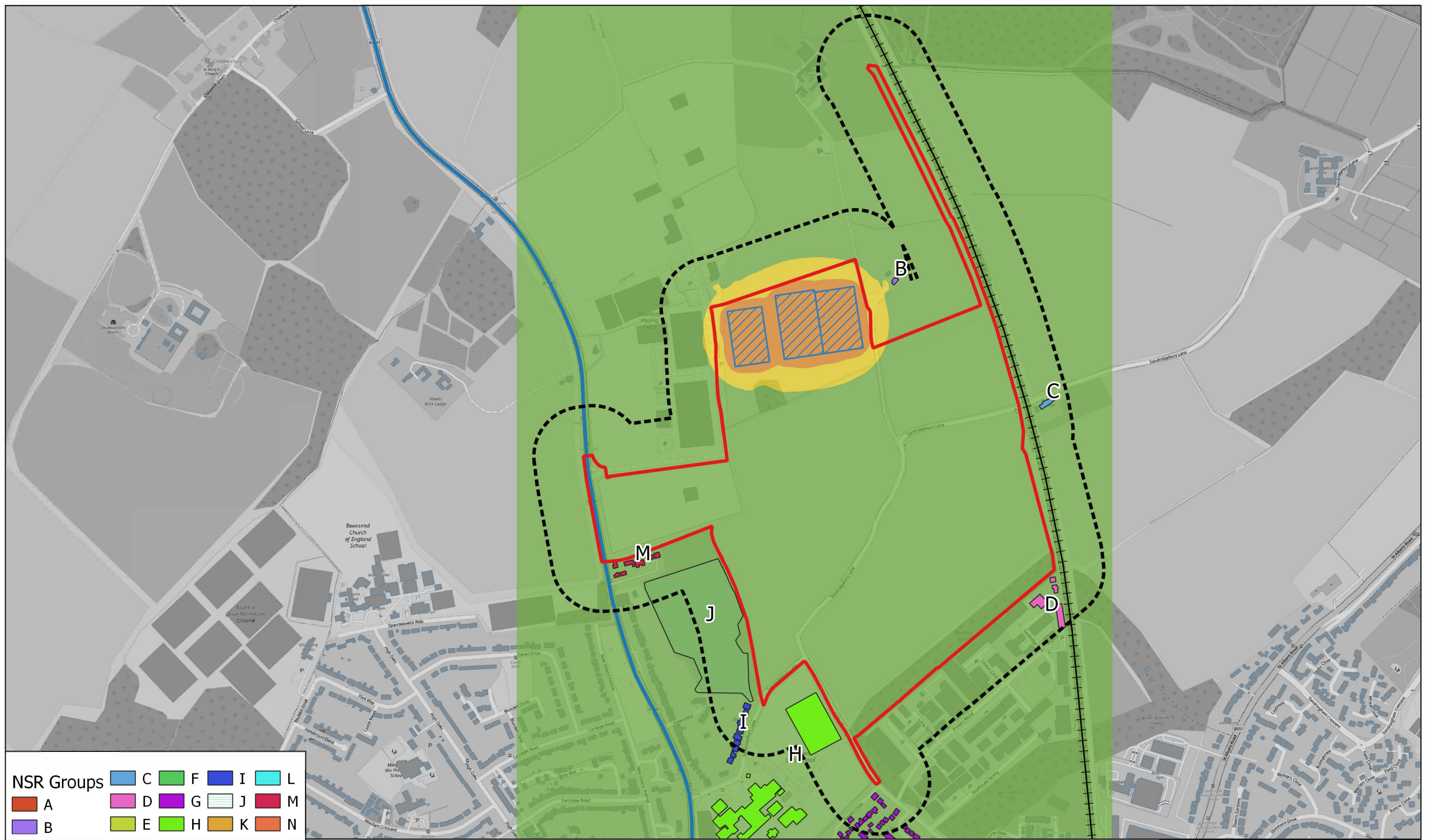


Woollam Park
Project Ref: 12954A-20
Drawn Date 2024-12-05

Figure 16.3: Noise Sensitive Receptor Groups

# Figure 16.4: Sports Activity Noise from Proposed Playing Fields

---



NSR Groups	C	F	I	L
A	D	G	J	M
B	E	H	K	N

Site Boundary	Proposed Playing Fields
Existing Buildings	<b>Daytime LAeq,1h Noise Levels (dB)</b>
Operational Noise Study Area	

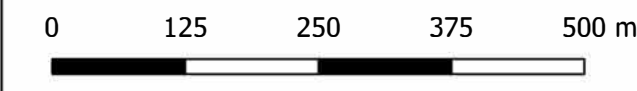




Figure 16.4: Sports Activity Noise From Proposed Playing Fields

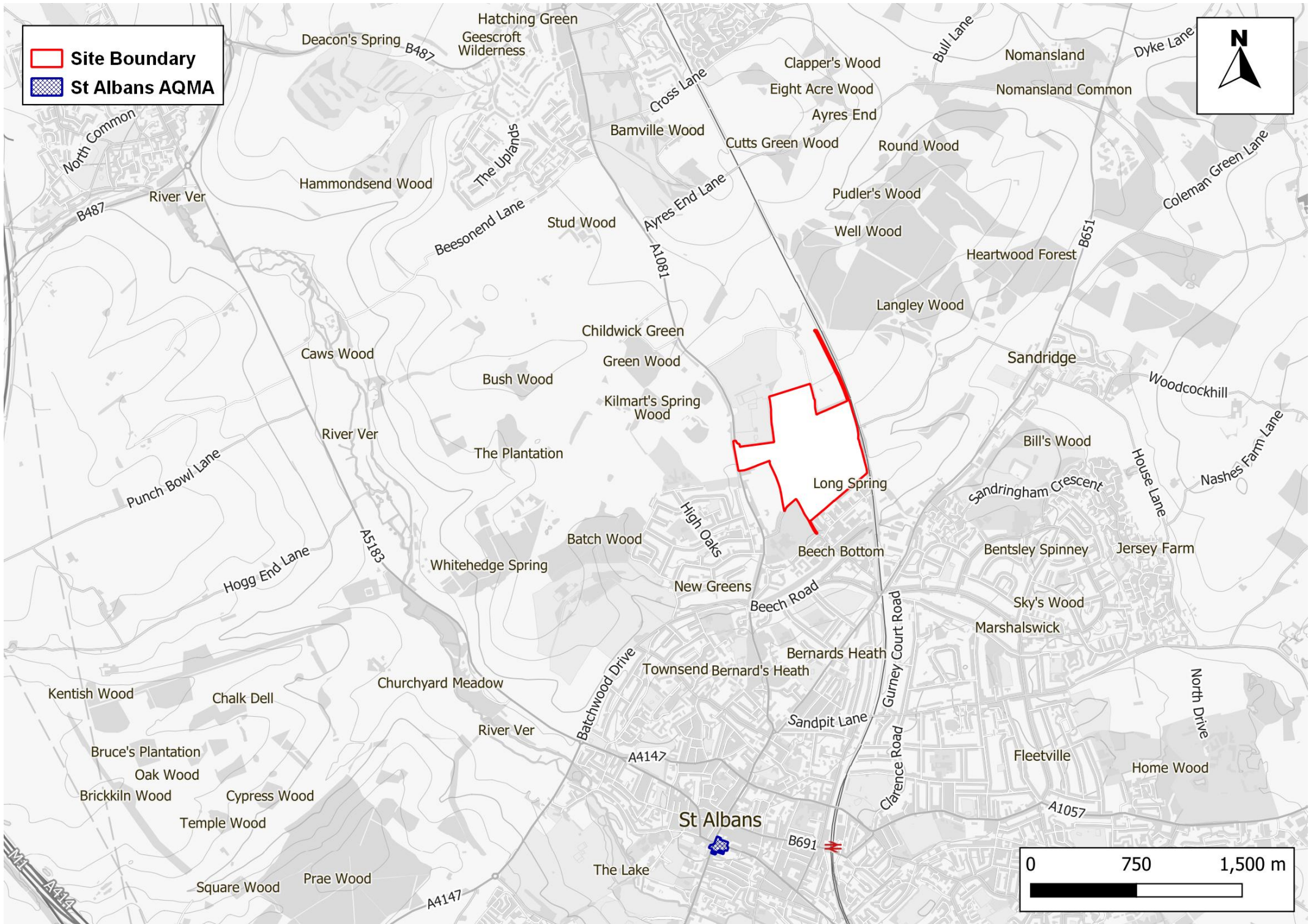
Woollam Park
Project Ref: 12954A-20
Drawn Date 2024-12-05



# Figure 17.1: Proposed Development Setting in the Context of Air Quality

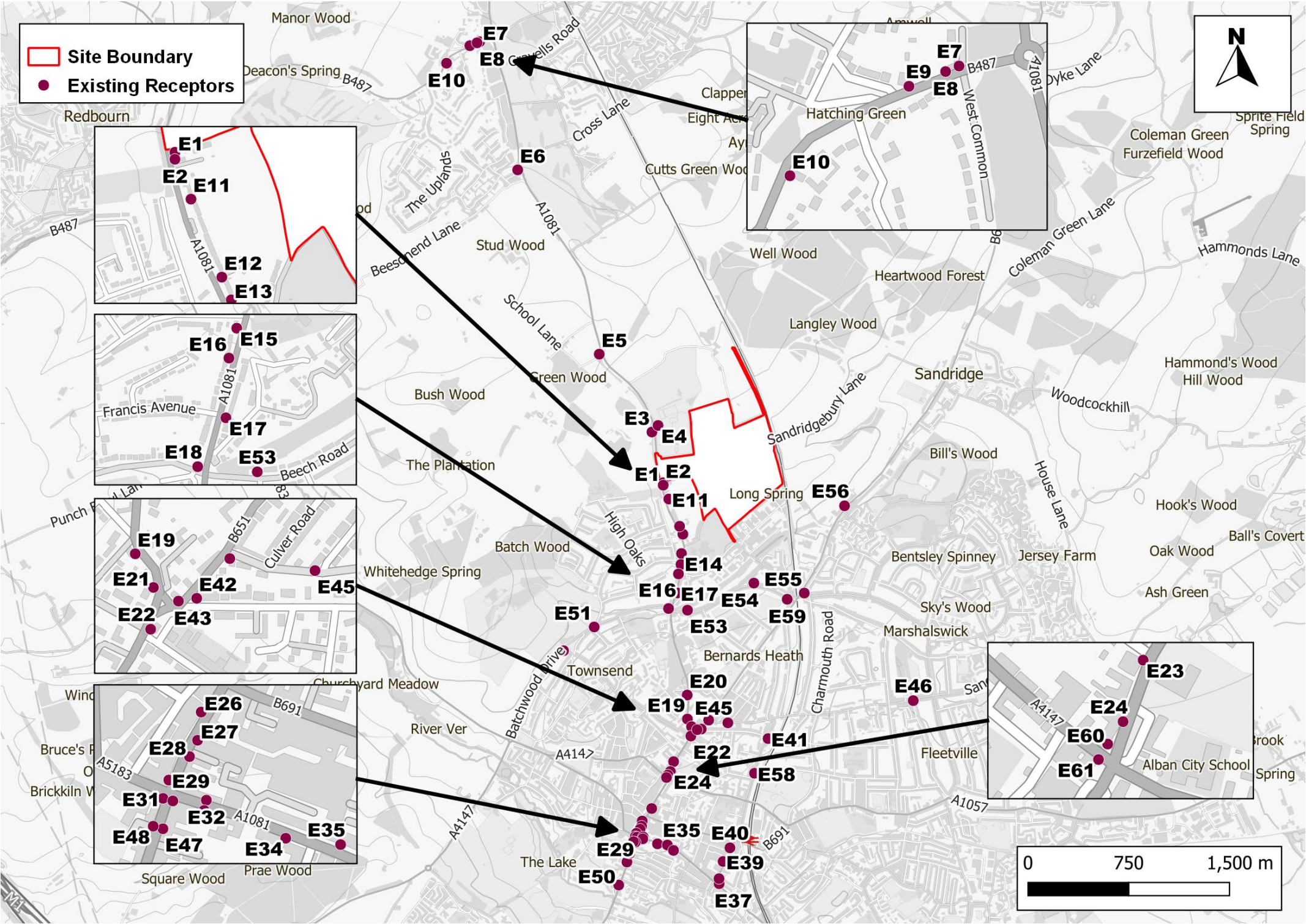
---

 **Site Boundary**  
 **St Albans AQMA**



## Figure 17.2: Existing Receptor Locations

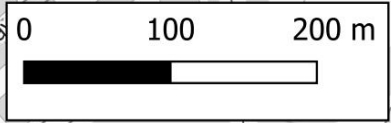
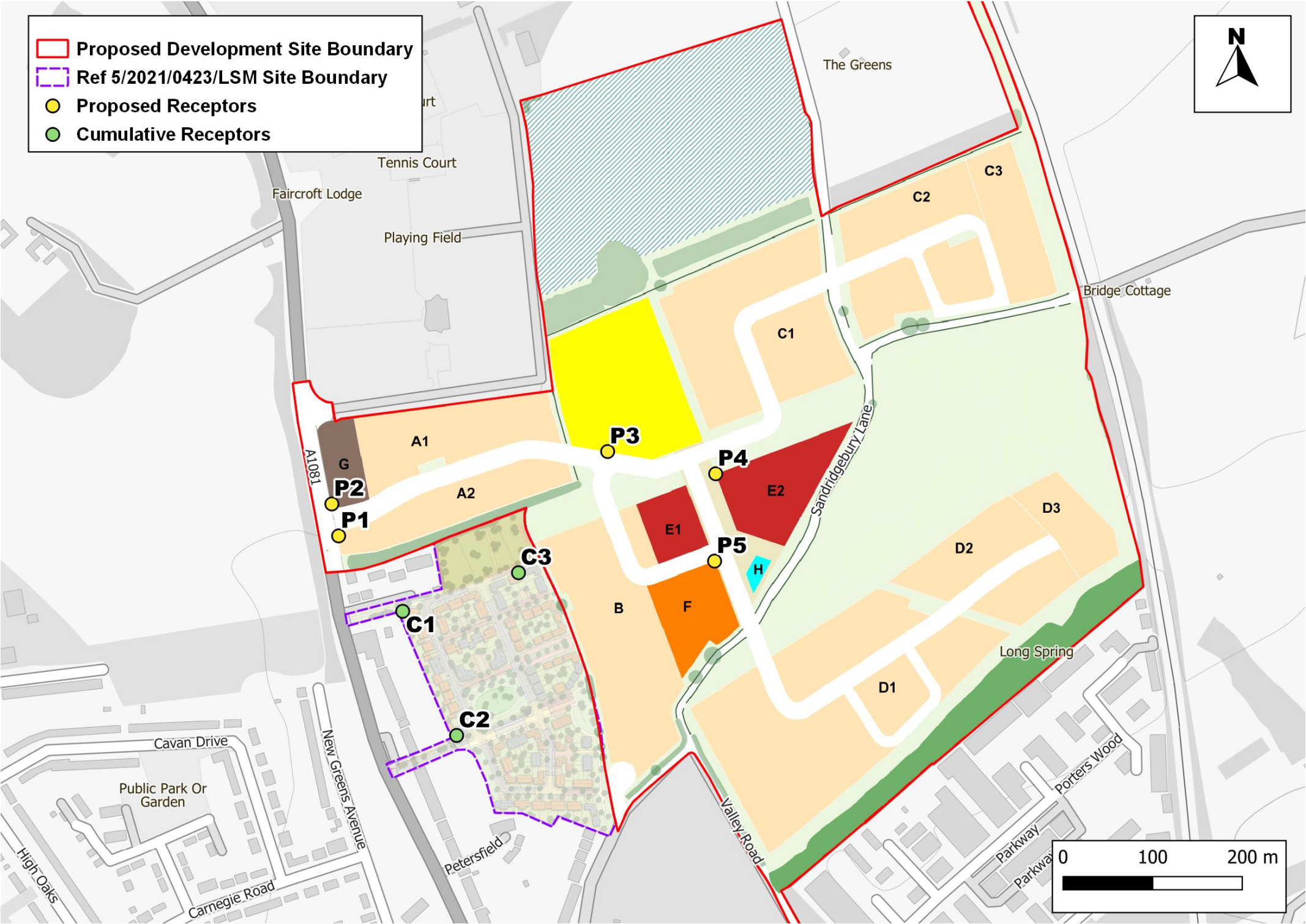
---



# Figure 17.3: Proposed and Cumulative Development Receptor Locations

---

- Proposed Development Site Boundary
- Ref 5/2021/0423/LSM Site Boundary
- Proposed Receptors
- Cumulative Receptors



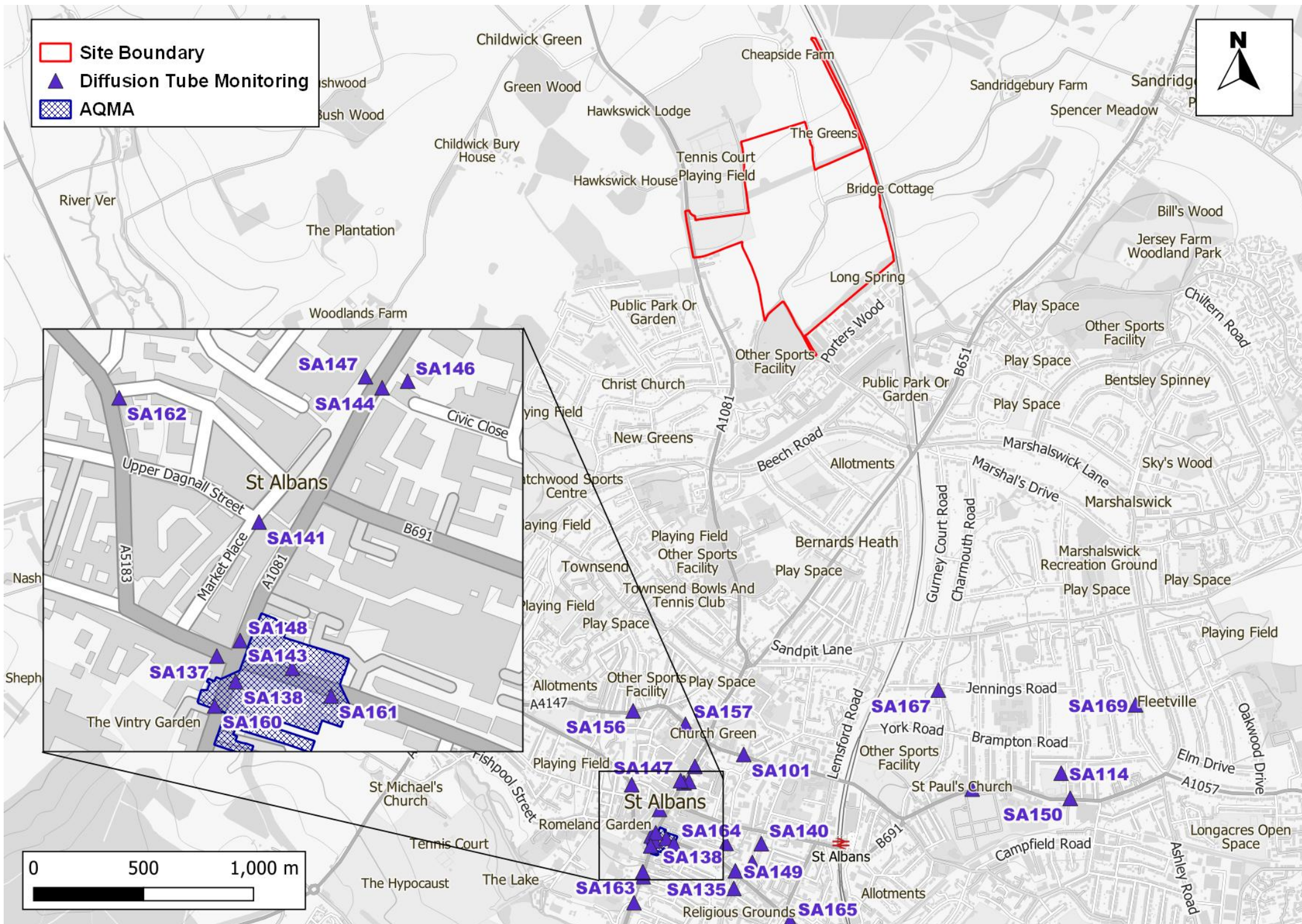
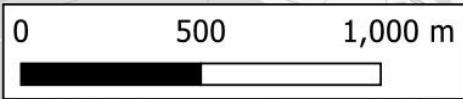
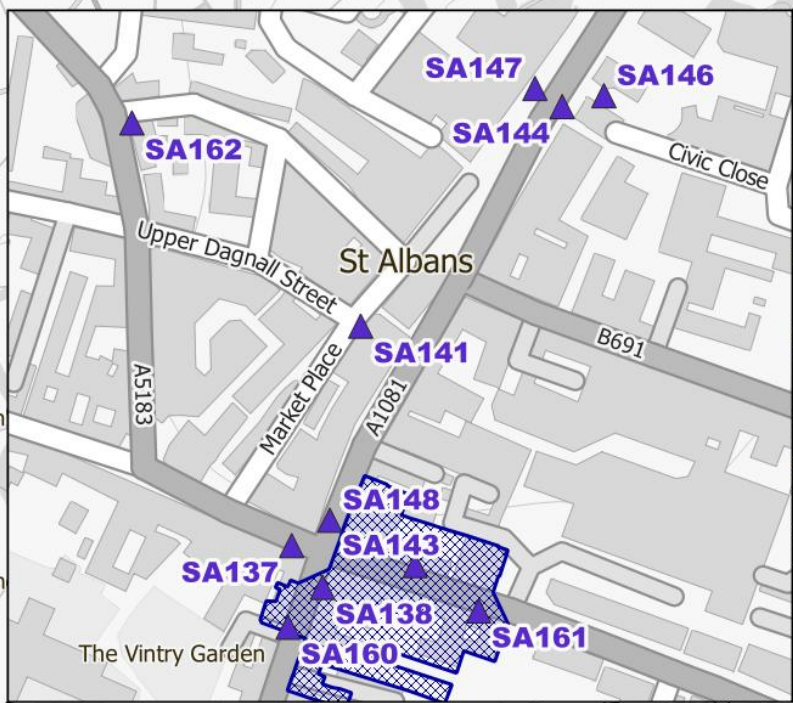
## Figure 17.4: Diffusion Tube Monitoring Locations

---

Site Boundary

Diffusion Tube Monitoring

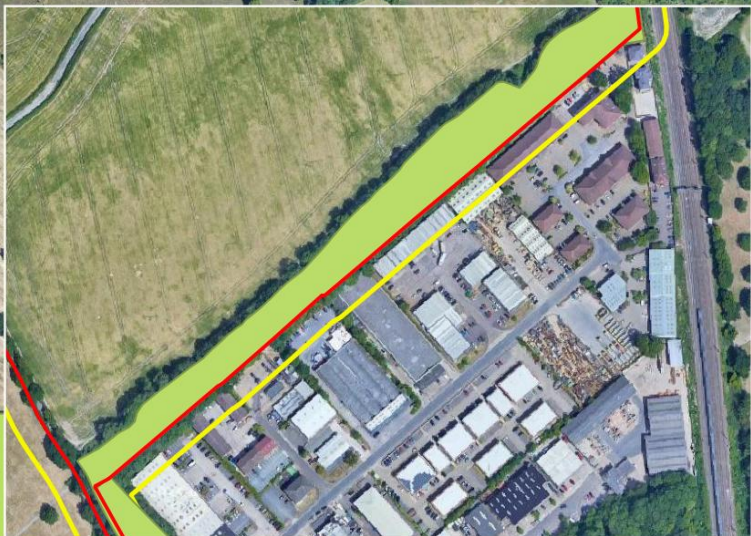
AQMA



## Figure 17.5: 20m distance band around the site boundary

---

- Proposed Development Site Boundary
- 20 m Distance Band
- Ref 5/2021/0423/LSM Site Boundary
- Ancient Woodland



## **Figure 17.6: 20m distance band around the roads used by construction traffic within 250m of the site exit**

---

- Site Boundary
- Trackout
- 20 m Distance Band
- Site Access



### **CARDIFF OFFICE**

22 Cathedral Road, Cardiff, CF11 9LJ  
02920 349737

[admin@lrmpanning.com](mailto:admin@lrmpanning.com)  
[lrmpanning.com](http://lrmpanning.com)

© LRM Planning Limited 2024

### **EXETER OFFICE**

Winslade Manor, Manor Drive, Clyst St Mary,  
Exeter EX5 1FY, 01392 690060



Registered Office: Nyewood Court, Brookers Road, Billingshurst RH14 9RZ  
Registered in England and Wales No 08618388 VAT Reg No 196 5837 49



**RTPI**  
Chartered Town Planner