

HYDROGEOLOGICAL & HYDROLOGICAL DESK STUDY FOR A HABITAT POND AT THE GRANGE, GATERS LANE, WINTERBOURNE GUNNER, SALISBURY WILTSHIRE, SP4 6ER

Version: v1.1

Issued: 21 December 2021

Client: Mr. Paul Martin

Reference: 20211118P1

Prepared By:

H2Ogeo

Hydrogeology & Environmental Consultancy

Tel: 07787 231455

Email: info@h2ogeo.co.uk

www: www.h2ogeo.co.uk

Issue Log

Date	Version	Comment
20/12/2021	V0.1	Draft
21/12/2021	V1.0	Final

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1 Introduction and Background

On the 6 November 2021 H2Ogeo was contacted by D S Equine on behalf of the Client and requested to provide a proposal for a Hydrogeological & Hydrological Desk Study for a proposed Habitat Pond at The Grange, Gaters Lane, Winterbourne Gunner, Wiltshire, SP4 6ER.

A full planning application has been submitted to Wiltshire District Council, the Local Planning Authority (LPA), for a Habitat Pond close to the River Bourne.

H2Ogeo provided a proposal (20211108P1) on the 18 November 2021 that was accepted by the Client on the 18 November 2021 along with an instruction to proceed.

1.1 Scope of Work

The scope of work is outlined below:

Provision of hydrogeological and hydrological consultancy for the proposed construction of a habitat pond at The Grange, Gaters Lane Winterbourne Gunner, Salisbury Wiltshire, SP4 6ER.

The tasks to deliver the scope of work are presented below:

- Data request including purchase of commercial data sets;
- Hydrogeological and Hydrological Desk Study presenting the catchment properties, flood risks, rainfall, flow rates, aquifer and environmental designations; and
- A Conceptual Site Model with sections between the pond and the nearby water courses.

The report is set out as follows:

1. Introduction;
2. Data Request;
3. Site Setting;
4. Environmental Designations;
5. Conceptual Site Model;
6. Summary;
7. Figures; and
8. Annexes.

A Statement of Limitations is presented at the start of this report.

2 Data Review

To prepare this document the following data sources have been reviewed:

- Magic Maps;
- .gov website;
- Groundsure Map Insights Data;
- The British Geological Survey website;
- The Ordnance Survey; and
- Properties of Major Aquifers in England and Wales.

3 Site Setting

The site is located at The Grange, Gaters Lane, Winterbourne Gunner, Salisbury Wiltshire, SP4 6ER at National Grid Reference (NGR) SU17148 34603 (Easting: 417148, Northing: 134603). The land is within the Salisbury Plain and West Wiltshire Downs characterised by gently rolling chalk downland, forming part of the sweep of Cretaceous Chalk that runs from the Dorset coast across the Chilterns to north of the Wash on the Norfolk Coast¹.

The site location is presented in Figure 1.

3.1 Land Use

The land use consists of enclosed agricultural land with floodplain and meadow.

The Dudley Stamp Land Use Inventory provides information gathered during a pre-war land survey, the inventory indicates the land is classified as a mix of water and grassland.

The National Landscape Typology classifies the land as RLN:

R - Rolling/undulating areas, below 1000 ft, including descriptive landform classes 'low hills - plateau' and 'rolling lowland' (see below) - associated mainly with Mesozoic (Cretaceous, Jurassic, Triassic & Permian) or Tertiary rocks of sedimentary origin and glacial till.

L - Light land associated with shallow, free-draining soils developed directly on chalk; or limestone bedrock - typically distinguished by stoney soils with relic calcareous grassland on steeper slopes in soft rock areas and rock outcrops/limestone pavement with dry species-rich pasture/hay meadow in hard rock areas.

N - Settled agricultural landscapes characterised by discrete settlement nuclei (villages and/or hamlets) associated with a low to moderate scattering of farms and outlying dwellings. Tree cover is usually fairly sparse and restricted to thinly scattered trees and/or small coverts/tree groups.

3.2 Topography

3.2.1 Regional Elevations

The regional topography, based on the Ordnance Survey's Terrain model (10m contours), is presented in Figure 2 and shows an undulating terrain with the proposed site on the western bank of the River Bourne valley feature.

The valley climbs to 130mAOD approximately 3.6 Km north west of the site with the site sitting below the 60mAOD contour.

The valley crests in the east range from 160 to 140mAOD with the Bourne Valley trending north east to south west close to the site.

3.2.2 Site Specific Elevations

Detailed elevation data has been acquired from LiDAR data.

The information is presented in Figure 3 for the Site and shows a fall across the proposed site of approximately 0.5m from 56.5 to 56.0mAOD at the bank of the River Bourne.

A 3D model of the LiDAR terrain data is presented in Figure 3 and shows how the proposed site relates topographically to the surrounding area.

1

3.3 Proposed Layout

The proposed pond covers an area of approximately 0.83ha made up of grassland. It is oval and orientated north-east to south-west with a drain along the southern boundary and a tributary to the River Bourne along the eastern boundary.

There is an island proposed with a timber walkway connected to the north-western bank and a wildlife hide. Wetland scrapes are proposed along the northern boundary with bunds and areas of cut.

Cross sections and drawings showing the proposed layout are presented in Annex A.

3.4 Geology

The site lies on Superficial Deposits overlying Bedrock, Alluvium overlying the Seaford Chalk Formation respectively.

Figure 4 presents the Geology of the area including Superficial and Bedrock Deposits.

Alluvium is a general term for clay, silt, sand and gravel. It is the unconsolidated detrital material deposited by a river, stream or other body of running water as a sorted or semi-sorted sediment in the bed of the stream or on its floodplain or delta, or as a cone or fan at the base of a mountain slope. Synonym: alluvial deposits. Normally soft to firm consolidated, compressible silty clay, but can contain layers of silt, sand, peat and basal gravel. A stronger, desiccated surface zone may be present².

The Seaford Chalk Formation is described as firm white chalk with conspicuous semi-continuous nodular and tabular flint seams. Hardgrounds and thin marls are known from the lowest beds. Some flint nodules are large to very large³.

3.5 Hydrogeology

The Chalk is classified as a Principal Aquifer described as deposits that have high intergranular and/or fracture permeability - meaning it usually provides a high level of water storage. The Chalk can typically support water supply and/or river base flow on a strategic scale.

The Alluvium Deposits overlying the Seaford Chalk are classified as a Secondary A aquifer. Secondary A relates to permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers.

The proposed site is not within a Source Protection Zone and Figure 5 presents an excerpt of the Hydrogeological Map of Hampshire and the Isle of Wight 1:100,000 Scale.

The map shows the base of the Upper Chalk (White Chalk Subgroup) and interpolated groundwater contours showing the estimated Chalk groundwater elevations in mAOD. It is important to note these estimates were made in 1976, a very significant drought year, therefore are only indicative of groundwater elevations.

Groundwater beneath the site is shown at approximately 55mAOD and the base of the Upper Chalk (Lewes Nodular Chalk Formation) is shown at 0.0mAOD.

² <https://webapps.bgs.ac.uk/lexicon/lexicon.cfm?pub=ALV>

³ <https://webapps.bgs.ac.uk/lexicon/lexicon.cfm?pub=SECK>

3.6 Hydrology

The site is located in the Bourne (Hampshire Avon) Water Body Catchment summarised in Table 1 and presented in Figure 6:

Table 1 Bourne Catchment Statistics

<i>Id</i>	<i>Type</i>	<i>Hydromorphological Designation</i>	<i>NGR</i>	<i>Catchment Area</i>	<i>Length</i>	<i>Surveillance Water Body</i>	<i>Catchment Area</i>
GB108043022390	River	not designated artificial or heavily modified	SU1853636 562	17343.799 ha	47.764 km	No	173.438 km ²

Tributaries and drainage to the Bourne occur east and south of the site adjacent to the proposed pond.

3.7 Flooding

3.7.1 Surface Water Flooding

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m within the Risk of Flooding from Rivers and Sea (RoFRaS) models has identified a High Risk. High Risk equates to a risk factor of greater than or equal to 1 in 30 chance.

Annex B presents the RoFRaS data.

The eastern boundary of the proposed pond is located in a Flood Zone 2 and 3.

3.7.2 Groundwater Flooding

Groundwater flooding is caused by unusually high groundwater levels. It occurs when the water table rises above the ground surface or within underground structures such as basements or cellars. Groundwater flooding tends to exhibit a longer duration than surface water flooding, possibly lasting for weeks or months, and as a result it can cause significant damage to property. The risk assessment presented in Annex B is based on a 1 in 100 year return period and a 5m Digital Terrain Model (DTM).

Groundwater Flooding risk is considered High.

4 Hydrogeological Conceptual Site Model

It is anticipated that groundwater will be present in the shallow Superficial Alluvium Deposits supported by groundwater discharging from the Chalk into the Bourne Valley feature.

There is no direct connectivity between the proposed habitat pond and nearby drains, tributaries or rivers. The habitat pond should be bunded to prevent inundation from the surface water flooding thereby removing any direct connectivity with the natural environment's surface water.

The proposed pond is anticipated to fill naturally receiving runoff from the catchment and groundwater.

Figures

Figure 1 Site Location

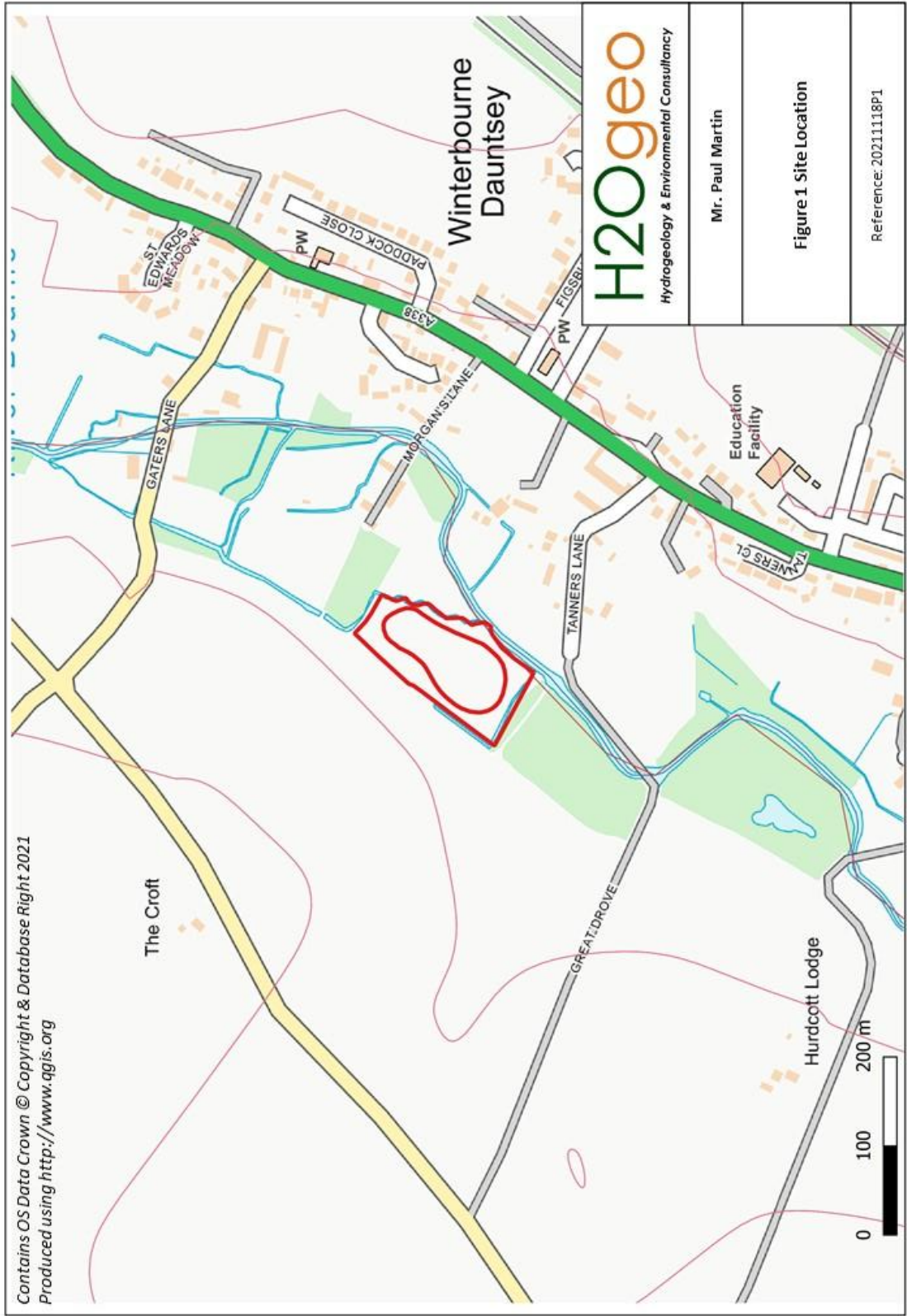


Figure 2 10m Topography

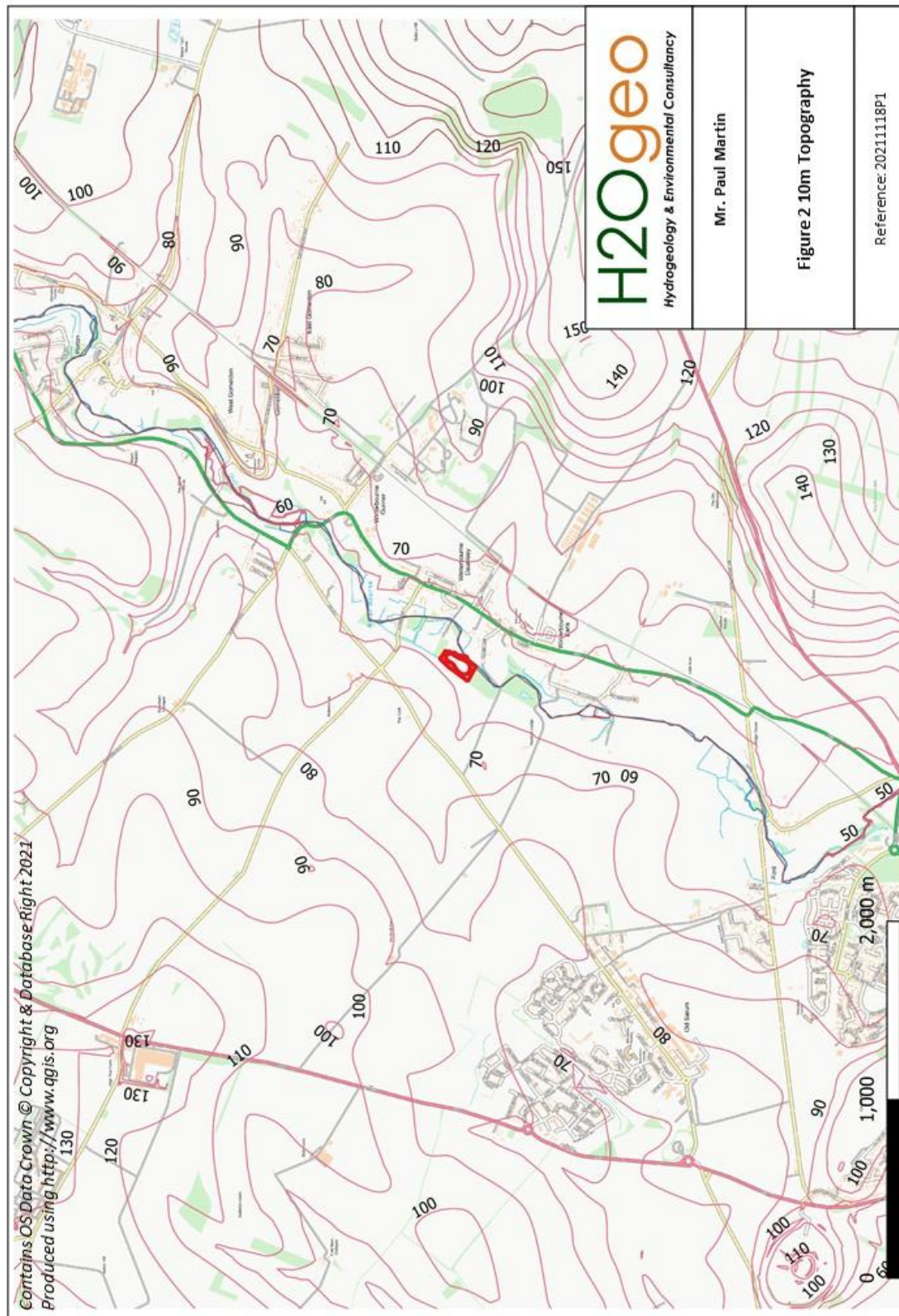


Figure 3 LiDAR

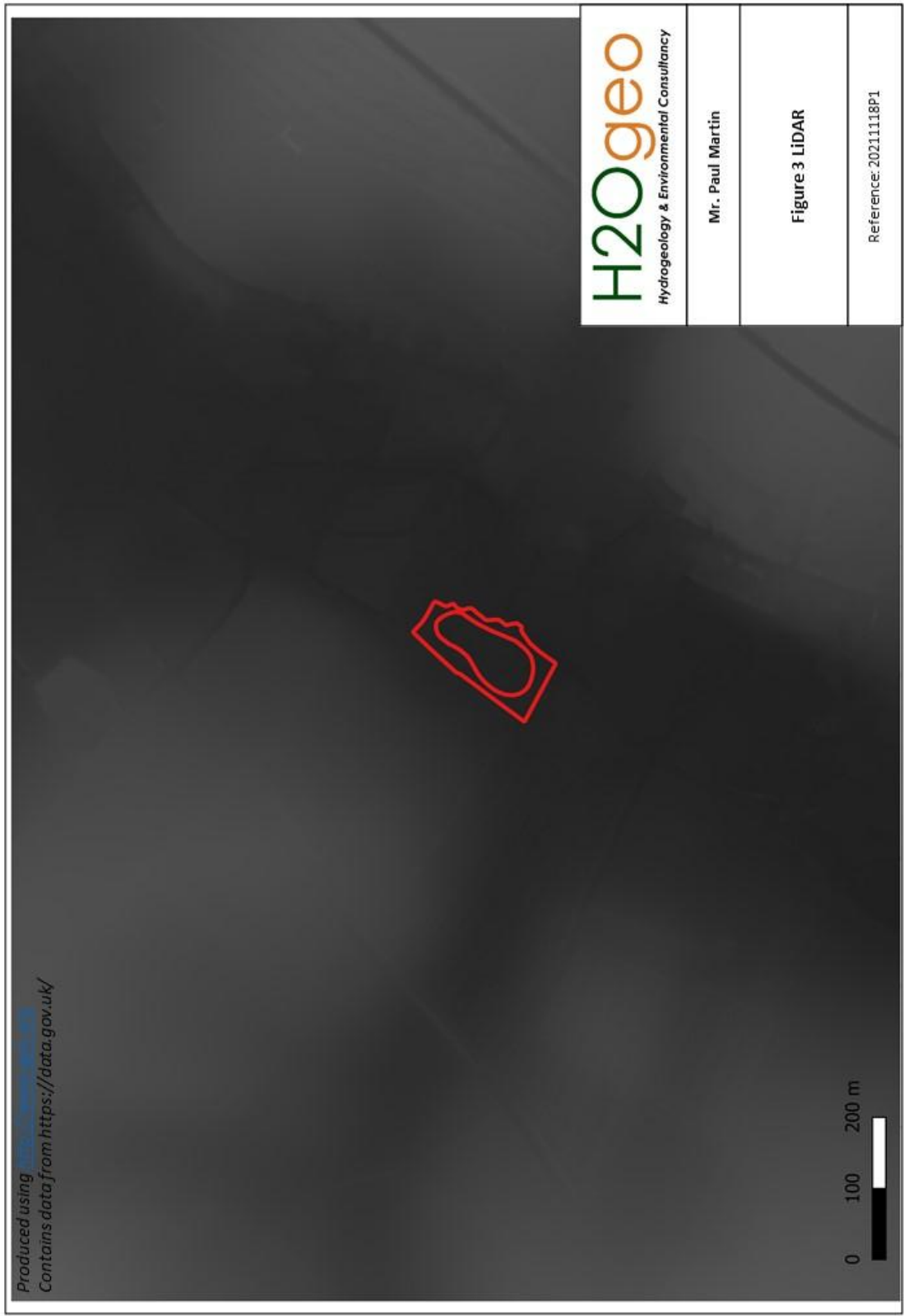


Figure 4 Geology

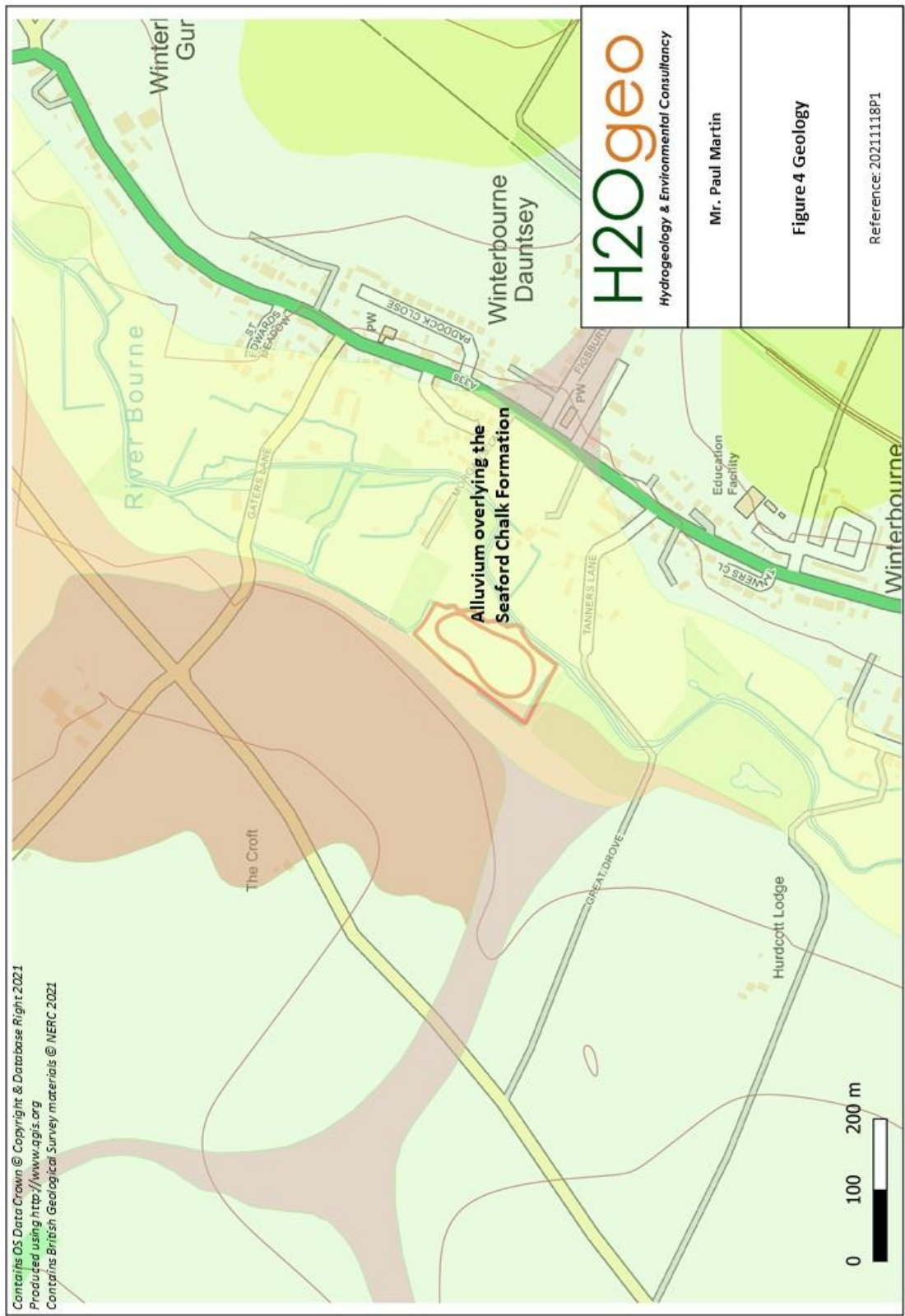
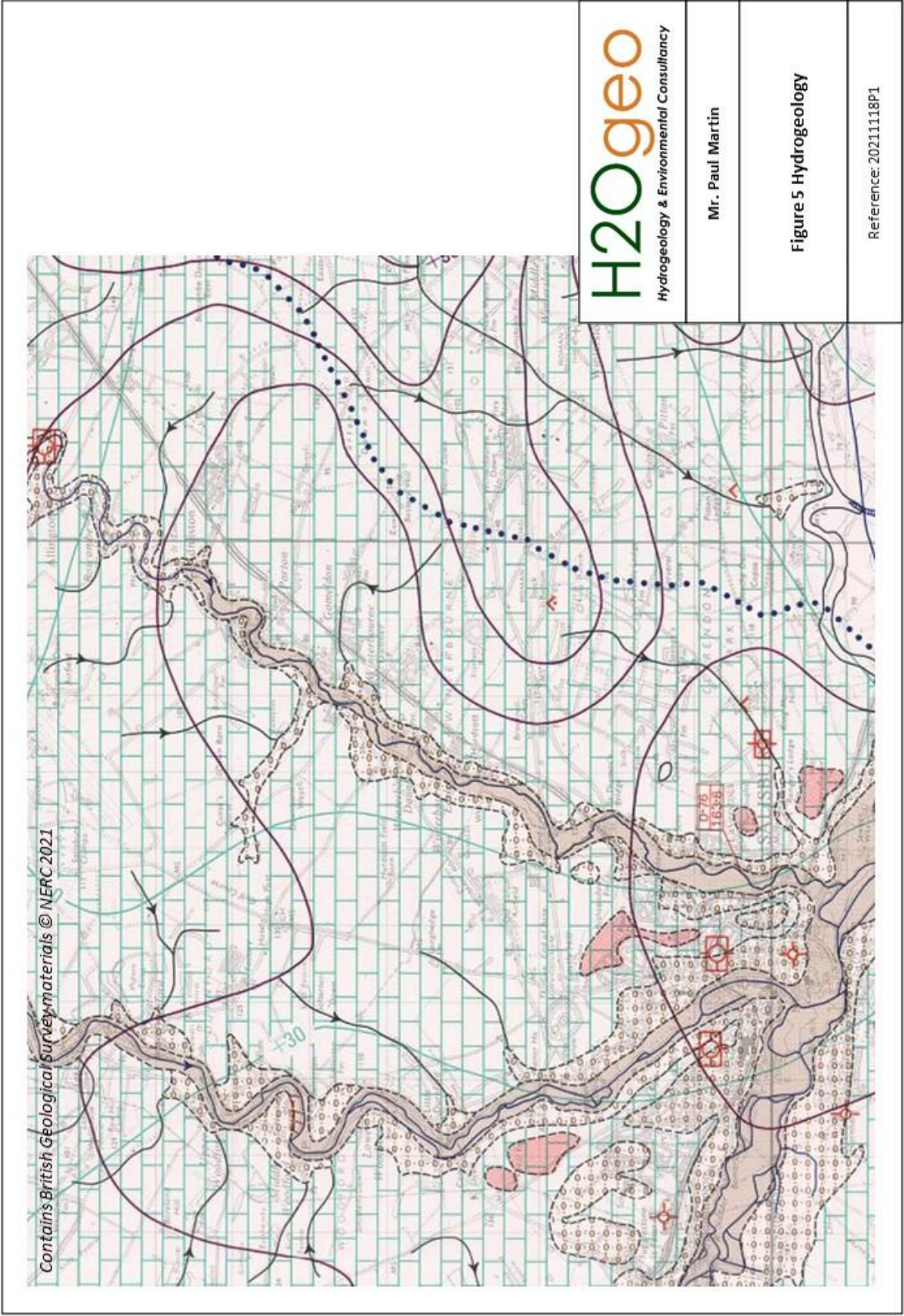
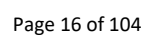


Figure 5 Hydrogeological Mapping



H2Ogeo



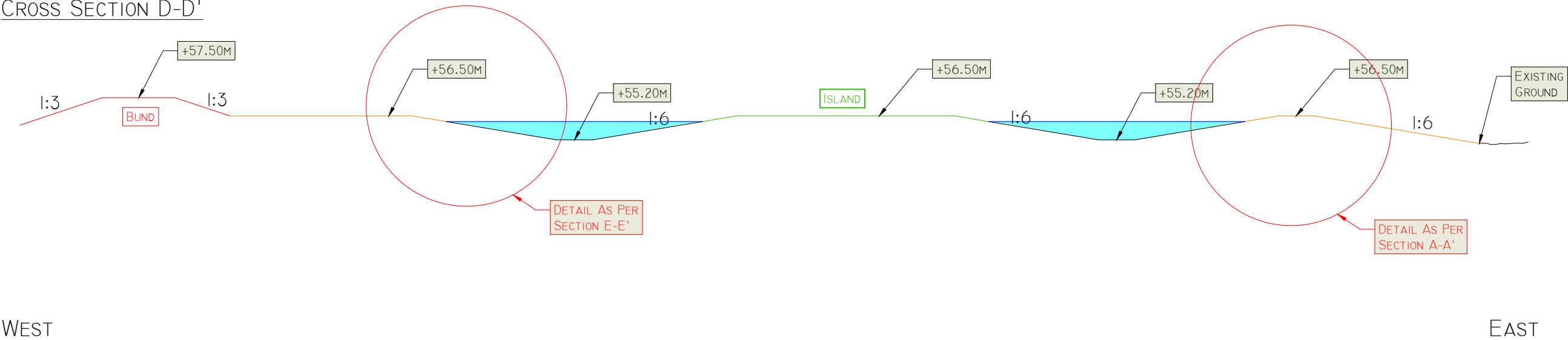
5 Annexes

Annex A – Planning Drawings

Annex B – Groundsure Data

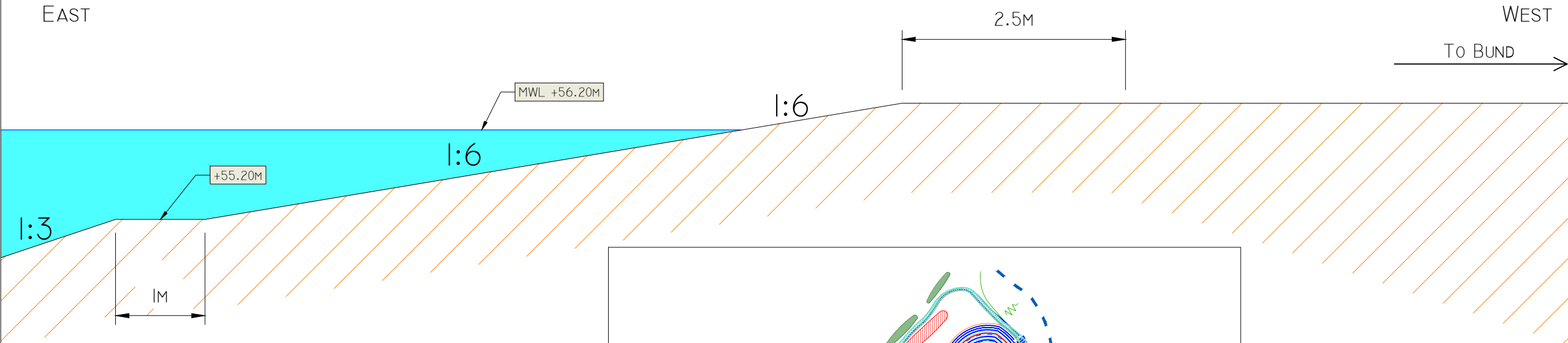
Annex A – Planning Drawings

CROSS SECTION D-D'



LEGEND	
■	WATER AREA
—	MAXIMUM WATER LINE @56.70M
—	TOP OF BANK @57.00M
—	TOP OF BUND @58.80M

CROSS SECTION E-E'



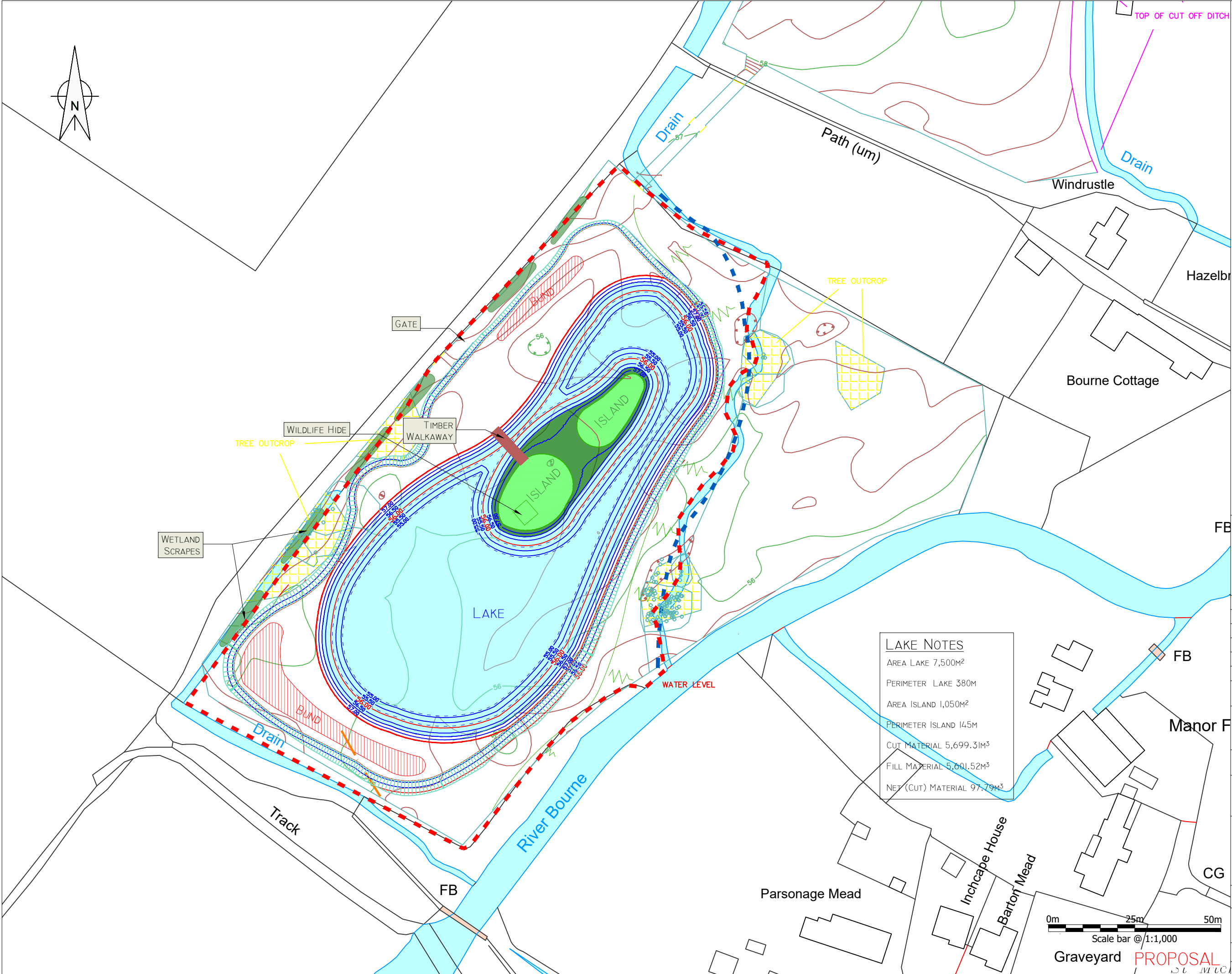
NOTES
DRAWING TO BE READ IN CONJUNCTION WITH
W21-002-004 REV.D2 AND W21-002-003 REV.D2

NOTES
UNDERLAY: OWN WHC DESIGN
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TITLE	
CROSS SECTIONS D-D' & E-E'	
CLIENT	MR. PAUL MARTIN
SITE	THE GRANGE, GATERS LANE WINTERBOURNE GUNNER, SALISBURY WILTS, SP4 6ER
	
	
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DRAWN	JC
CHECKED	NJ

PROPOSAL



LEGEND

- WATER AREA
- BUND / TIP
- PLANTING
- WETLAND / SCRAPES
- EXISTING WATER COURSE
- OVERHEAD CABLE
- MAXIMUM WATER LINE @56.85M
- TOP OF BANK @57.15M
- TOP OF BUND @58.15M
- IM CONTOUR (PROPOSED)
- 25CM CONTOUR (PROPOSED)
- 1:3 CUT SLOPE
- 1:3 FILL SLOPE

FB NOTES

UNDERLAY: GOOGLE EARTH IMAGERY

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P1	04.08.2021	ISSUED FOR SUBMISSION - JC
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D5	31.05.2021	ISSUED FOR REVIEW AND COMMENT - JC
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TITLE

HABITAT POND

CLIENT

MR. PAUL MARTIN

SITE

THE GRANGE, GATERS LANE
WINTERBOURNE GUNNER, SALISBURY
WILTS, SP4 6ER

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THE SLATTER GROUP

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LAKE NOTES

AREA LAKE 7,500M²

PERIMETER LAKE 380M

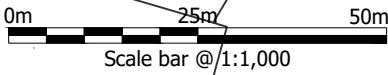
AREA ISLAND 1,050M²

PERIMETER ISLAND 145M

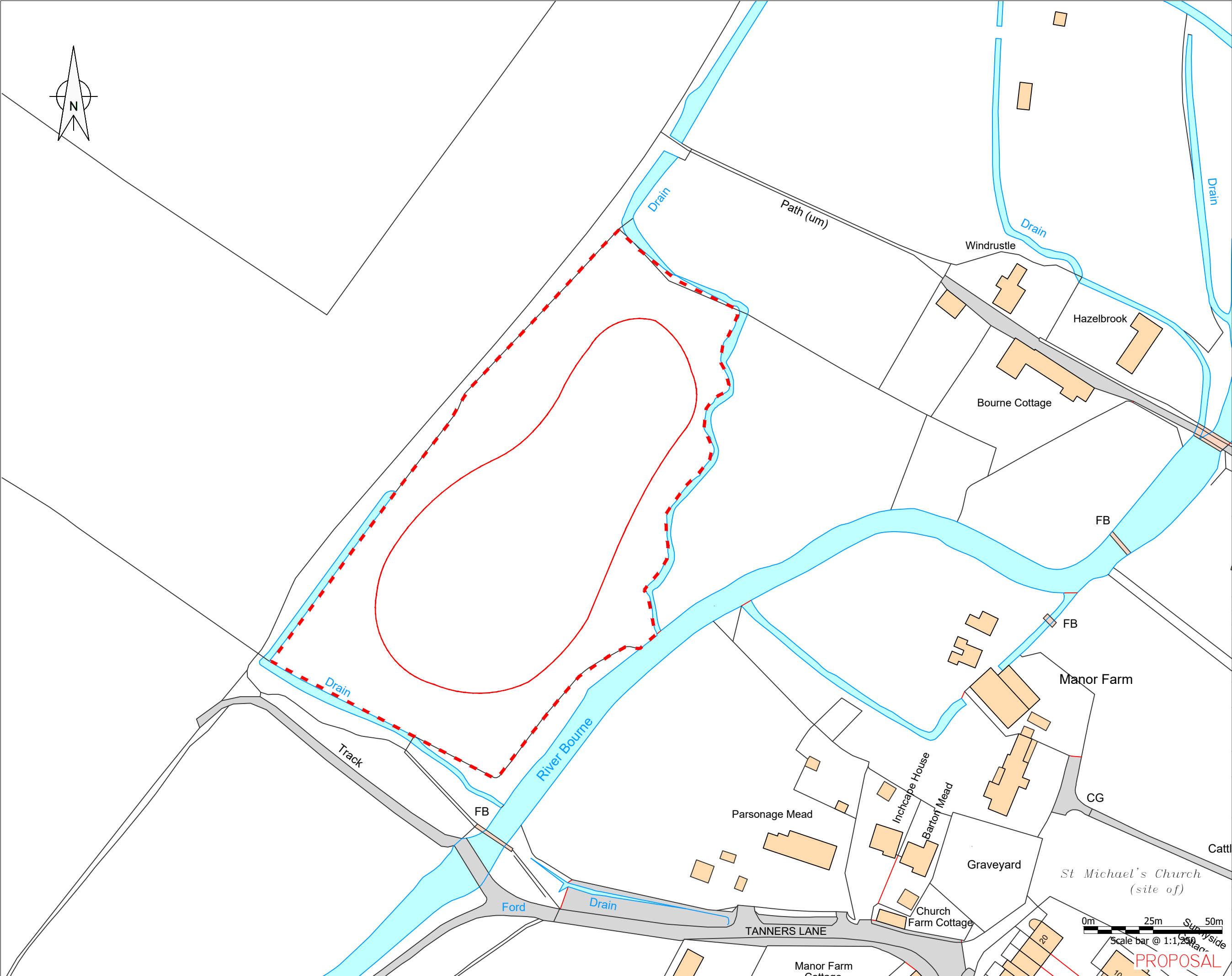
CUT MATERIAL 5,699.31M³

FILL MATERIAL 5,601.52M³

NET (CUT) MATERIAL 97.79M³



Graveyard **PROPOSAL**



LEGEND

SITE BOUNDARY

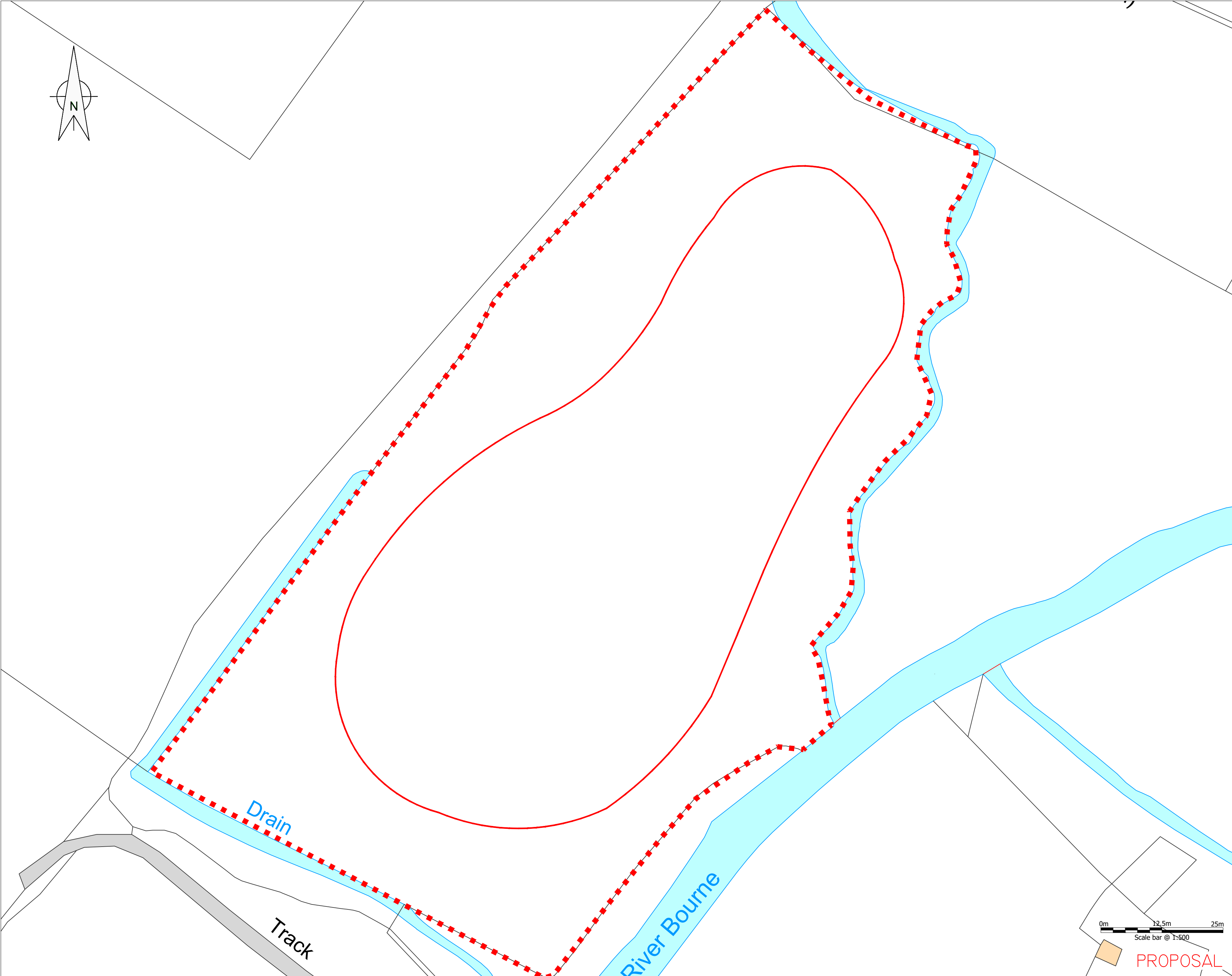
PROPOSED HABITAT POND OUTLINE

NOTES

UNDERLAY: OS MASTERMAP TOPOGRAPHY LAYER

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TITLE	
SITE PLAN	
CLIENT	
MR. PAUL MARTIN	
SITE	
THE GRANGE, GATERS LANE WINTERBOURNE GUNNER, SALISBURY WILTS, SP4 6ER	
	
	
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LEGEND

SITE BOUNDARY

PROPOSED HABITAT POND OUTFIELD

NOTES

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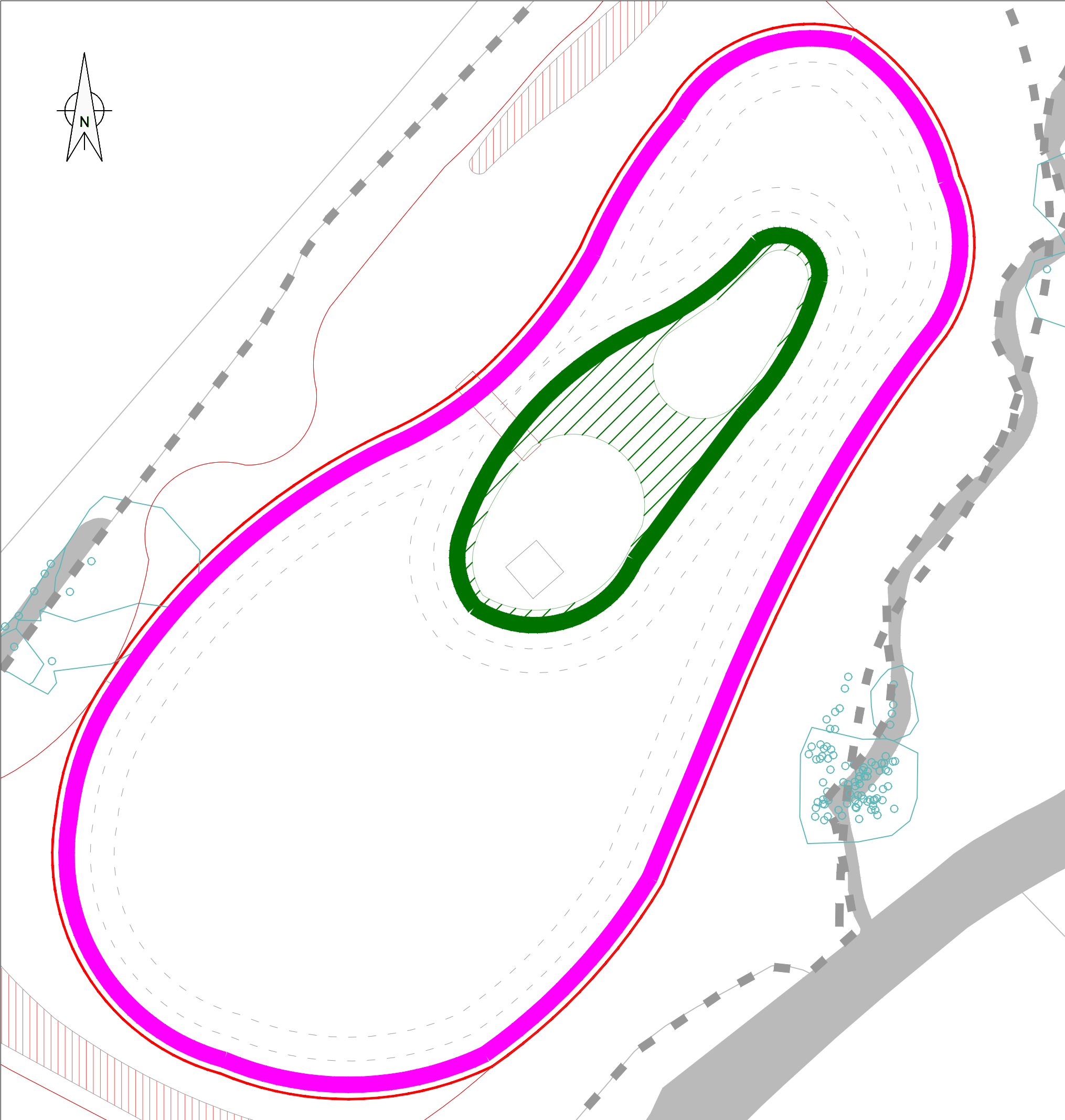
0m

12.5m

25m

Scale bar @ 1:500

PROPOSAL



PLANTING LIST

- OUTER AQUATIC MARGIN PLANTING BED

- Acorus calamus* - Sweet Flag
- Caltha palustris* - Marsh Marigold
- Carex pendula* - Pendulous Sedge
- Carex riparia* - Greater Pond Sedge
- Iris pseudacorus* - Yellow Flag Iris
- Lythrum salicaria* - Purple Loosestrife
- Mentha aquatica* - Water Mint
- Scirpus lacustris* - Common Clubrush
- Sparganium erectum* - Branched Bur-reed

- INNER MARGIN AQUATIC PLANTING BED

- Acorus calamus* - Sweet Flag
- Eriophorum latifolium* -Bog Cotton
- Butomus umbellatus* -Flowering Rush
- Iris ensata* -Ruby King
- Iris louisiana* -Black Gamecock
- Juncus ensifolius* -Dwarf Rush
- Iris versicolor* -Kermesina
- Mentha cervina* -Water Spearmint
- Mimulus ringens* -Square-stemmed monkeyflower
- Myosotis scorpioides* 'Mermaid' - Water forget me not.
- Lythrum salicaria* - Purple Loosestrife

" PLANTS TO BE INSTALLED AT A DENSITY OF 7 PLANTS PER M2, AND LAID OUT IN SWARTHS AND CLUMPS OF A MINIMUM OF 20 PLANTS. EXACT LOCATIONS FOR PLANTS WILL BE DICTATED BY THE PLANTS PREFERRED WATER DEPTH."

LEGEND

- OUTER AQUATIC MARGIN PLANTING BED
- INNER MARGIN AQUATIC PLANTING BED

NOTES

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TITLE	
AQUATIC PLANTING PLAN	
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SITE	THE GRANGE, GATERS LANE WINTERBOURNE GUNNER, SALISBURY WILTS, SP4 6ER
	
	
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I:500_A3	DRAWN JC CHECKED JW

0m 12.5m 25m
Scale bar @ 1:500

PROPOSAL

Annex B – Groundsure Data

417148.0767710288, 134603.29771512357

Order Details

Date: 24/11/2021
Your ref: 20211118P1
Our Ref: GS-8355733
Client: H2Ogeo

Site Details

Location: 417148 134603
Area: 0.83 ha
Authority: [Wiltshire Council](#)



Summary of findings

p. 2 **Aerial image**

p. 6

OS MasterMap site plan

p.11 groundsure.com/insightuserguide

Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
12	1.1	<u>Historical industrial land uses</u>	0	0	0	8	-
13	1.2	<u>Historical tanks</u>	0	0	0	1	-
13	1.3	<u>Historical energy features</u>	0	0	0	3	-
14	1.4	Historical petrol stations	0	0	0	0	-
14	1.5	Historical garages	0	0	0	0	-
14	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped	On site	0-50m	50-250m	250-500m	500-2000m
15	2.1	<u>Historical industrial land uses</u>	0	0	0	11	-
16	2.2	<u>Historical tanks</u>	0	0	0	1	-
16	2.3	<u>Historical energy features</u>	0	0	0	8	-
17	2.4	Historical petrol stations	0	0	0	0	-
17	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
18	3.1	Active or recent landfill	0	0	0	0	-
18	3.2	Historical landfill (BGS records)	0	0	0	0	-
19	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
19	3.4	Historical landfill (EA/NRW records)	0	0	0	0	-
19	3.5	Historical waste sites	0	0	0	0	-
19	3.6	Licensed waste sites	0	0	0	0	-
19	3.7	<u>Waste exemptions</u>	0	0	13	40	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
25	4.1	Recent industrial land uses	0	0	0	-	-
25	4.2	Current or recent petrol stations	0	0	0	0	-
26	4.3	Electricity cables	0	0	0	0	-
26	4.4	Gas pipelines	0	0	0	0	-
26	4.5	Sites determined as Contaminated Land	0	0	0	0	-



26	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
26	4.7	Regulated explosive sites	0	0	0	0	-
27	4.8	Hazardous substance storage/usage	0	0	0	0	-
27	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
27	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
27	4.11	Licensed pollutant release (Part A(2)/B)	0	0	0	0	-
27	4.12	Radioactive Substance Authorisations	0	0	0	0	-
28	4.13	Licensed Discharges to controlled waters	0	0	0	0	-
28	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
28	4.15	Pollutant release to public sewer	0	0	0	0	-
28	4.16	List 1 Dangerous Substances	0	0	0	0	-
28	4.17	List 2 Dangerous Substances	0	0	0	0	-
29	4.18	<u>Pollution Incidents (EA/NRW)</u>	0	0	2	0	-
29	4.19	Pollution inventory substances	0	0	0	0	-
29	4.20	Pollution inventory waste transfers	0	0	0	0	-
30	4.21	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	Geology (basic)					
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31 **5.1** **Superficial geology (625k)** Identified (within 500m)

31 **5.2** **Bedrock geology (625k)** Identified (within 500m)

Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
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32 **6.1** **Superficial aquifer** Identified (within 500m)

34 **6.2** **Bedrock aquifer** Identified (within 500m)

36 **6.3** **Groundwater vulnerability** Identified (within 50m)

37 **6.4** **Groundwater vulnerability- soluble rock risk** Identified (within 0m)

37 **6.5** **Groundwater vulnerability- local information** Identified (within 0m)

38 **6.6** **Groundwater abstractions** 0 0 0 1 14

42 **6.7** **Surface water abstractions** 0 0 0 0 1

42 6.8 Potable abstractions 0 0 0 0 0

42 6.9 Source Protection Zones 0 0 0 0 -



43	6.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
44	<u>7.1</u>	<u>Water Network (OS MasterMap)</u>	0	9	25	-	-
47	<u>7.2</u>	<u>Surface water features</u>	0	1	5	-	-
47	<u>7.3</u>	<u>WFD Surface water body catchments</u>	1	-	-	-	-
48	<u>7.4</u>	<u>WFD Surface water bodies</u>	0	1	0	-	-
48	<u>7.5</u>	<u>WFD Groundwater bodies</u>	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
49	<u>8.1</u>	<u>Risk of flooding from rivers and the sea</u>	High (within 50m)				
50	<u>8.2</u>	<u>Historical Flood Events</u>	0	0	1	-	-
50	8.3	Flood Defences	0	0	0	-	-
50	8.4	Areas Benefiting from Flood Defences	0	0	0	-	-
51	8.5	Flood Storage Areas	0	0	0	-	-
52	<u>8.6</u>	<u>Flood Zone 2</u>	Identified (within 50m)				
53	<u>8.7</u>	<u>Flood Zone 3</u>	Identified (within 50m)				
Page	Section	Surface water flooding					
54	<u>9.1</u>	<u>Surface water flooding</u>	1 in 30 year, Greater than 1.0m (within 50m)				
Page	Section	Groundwater flooding					
56	<u>10.1</u>	<u>Groundwater flooding</u>	High (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
57	<u>11.1</u>	<u>Sites of Special Scientific Interest (SSSI)</u>	0	0	1	0	5
58	11.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
58	<u>11.3</u>	<u>Special Areas of Conservation (SAC)</u>	0	0	1	0	3
59	11.4	Special Protection Areas (SPA)	0	0	0	0	0
59	11.5	National Nature Reserves (NNR)	0	0	0	0	0
60	11.6	Local Nature Reserves (LNR)	0	0	0	0	0
60	11.7	Designated Ancient Woodland	0	0	0	0	0
60	11.8	Biosphere Reserves	0	0	0	0	0
60	11.9	Forest Parks	0	0	0	0	0



61	11.10	Marine Conservation Zones	0	0	0	0	0
61	11.11	Green Belt	0	0	0	0	0
61	11.12	Proposed Ramsar sites	0	0	0	0	0
61	11.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
61	11.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
62	11.15	Nitrate Sensitive Areas	0	0	0	0	0
62	<u>11.16</u>	<u>Nitrate Vulnerable Zones</u>	1	0	0	0	1
63	<u>11.17</u>	<u>SSSI Impact Risk Zones</u>	2	-	-	-	-
65	<u>11.18</u>	<u>SSSI Units</u>	0	0	1	1	15
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
71	12.1	World Heritage Sites	0	0	0	-	-
72	12.2	Area of Outstanding Natural Beauty	0	0	0	-	-
72	12.3	National Parks	0	0	0	-	-
72	<u>12.4</u>	<u>Listed Buildings</u>	0	0	3	-	-
73	<u>12.5</u>	<u>Conservation Areas</u>	0	1	1	-	-
73	12.6	Scheduled Ancient Monuments	0	0	0	-	-
73	12.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
74	<u>13.1</u>	<u>Agricultural Land Classification</u>	Grade 3 (within 250m)				
75	13.2	Open Access Land	0	0	0	-	-
75	13.3	Tree Felling Licences	0	0	0	-	-
76	13.4	Environmental Stewardship Schemes	0	0	0	-	-
76	<u>13.5</u>	<u>Countryside Stewardship Schemes</u>	0	2	1	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
77	<u>14.1</u>	<u>Priority Habitat Inventory</u>	0	2	11	-	-
78	<u>14.2</u>	<u>Habitat Networks</u>	0	0	1	-	-
78	14.3	Open Mosaic Habitat	0	0	0	-	-
79	14.4	Limestone Pavement Orders	0	0	0	-	-

Recent aerial photograph



Capture Date: 23/04/2020

Site Area: 0.83ha



Recent site history - 2017 aerial photograph



Capture Date: 08/04/2017

Site Area: 0.83ha



Recent site history - 2013 aerial photograph



Capture Date: 19/07/2013

Site Area: 0.83ha



Recent site history - 2005 aerial photograph

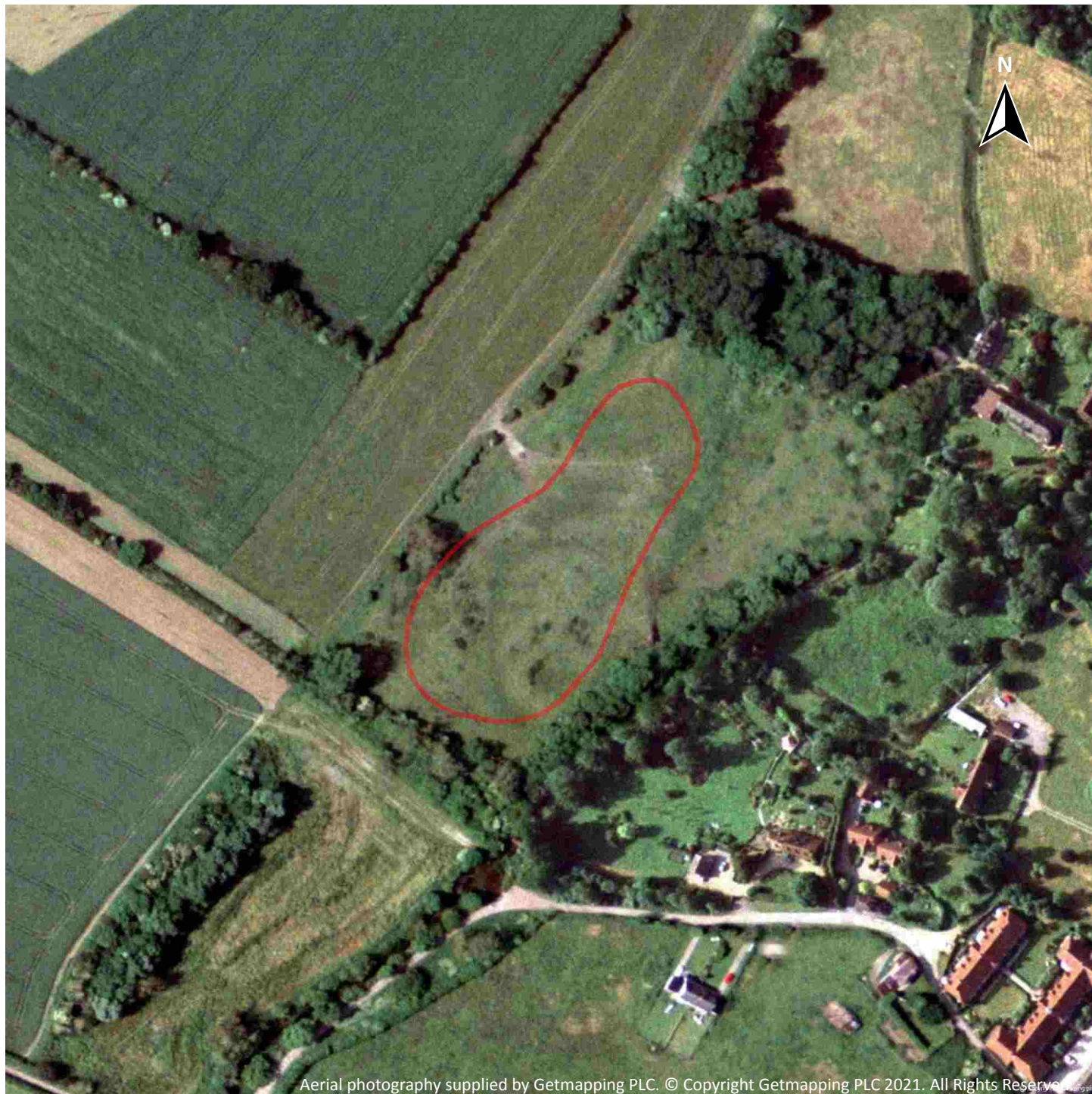


Capture Date: 18/08/2005

Site Area: 0.83ha



Recent site history - 2000 aerial photograph



Capture Date: 17/06/2000

Site Area: 0.83ha



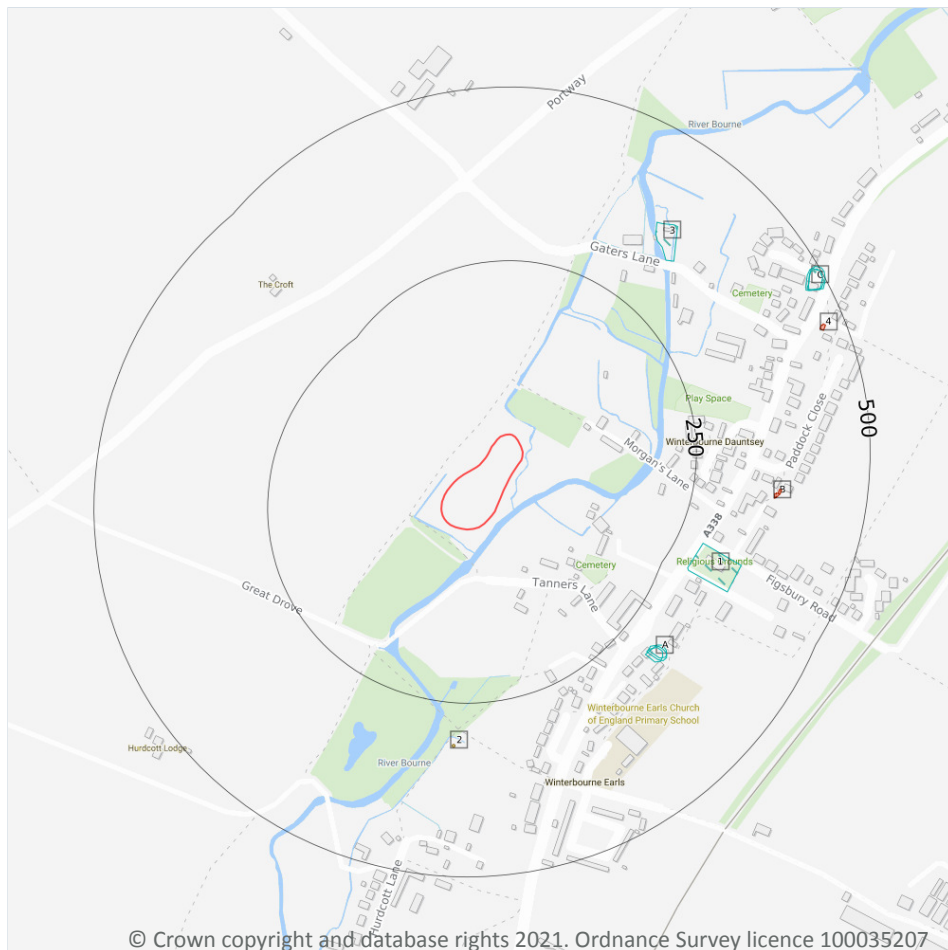
OS MasterMap site plan



Site Area: 0.83ha



1 Past land use



- Site Outline
- Search buffers in metres (m)
- Historical industrial land uses
- Historical tanks
- Historical energy features

1.1 Historical industrial land uses

Records within 500m

8

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 1:10,560 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 12**

ID	Location	Land use	Dates present	Group ID
1	285m SE	Grave Yard	1879	1865680



ID	Location	Land use	Dates present	Group ID
A	296m SE	Unspecified Pit	1923	1906665
A	297m SE	Unspecified Pit	1938	1968014
A	298m SE	Unspecified Pit	1961	1945896
3	334m NE	Disused Corn Mill	1899 - 1926	1905135
C	468m NE	Unspecified Pit	1900	1967280
C	470m NE	Unspecified Pit	1923	1935456
C	472m NE	Unspecified Pit	1926	1889174

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

1

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 12**

ID	Location	Land use	Dates present	Group ID
2	310m S	Unspecified Tank	1926	303696

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m

3

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 12**



ID	Location	Land use	Dates present	Group ID
B	367m E	Electricity Substation	1974 - 1988	210409
B	372m E	Electricity Substation	1995	203626
4	463m E	Electricity Substation	1974 - 1995	212191

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m

0

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m

0

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m

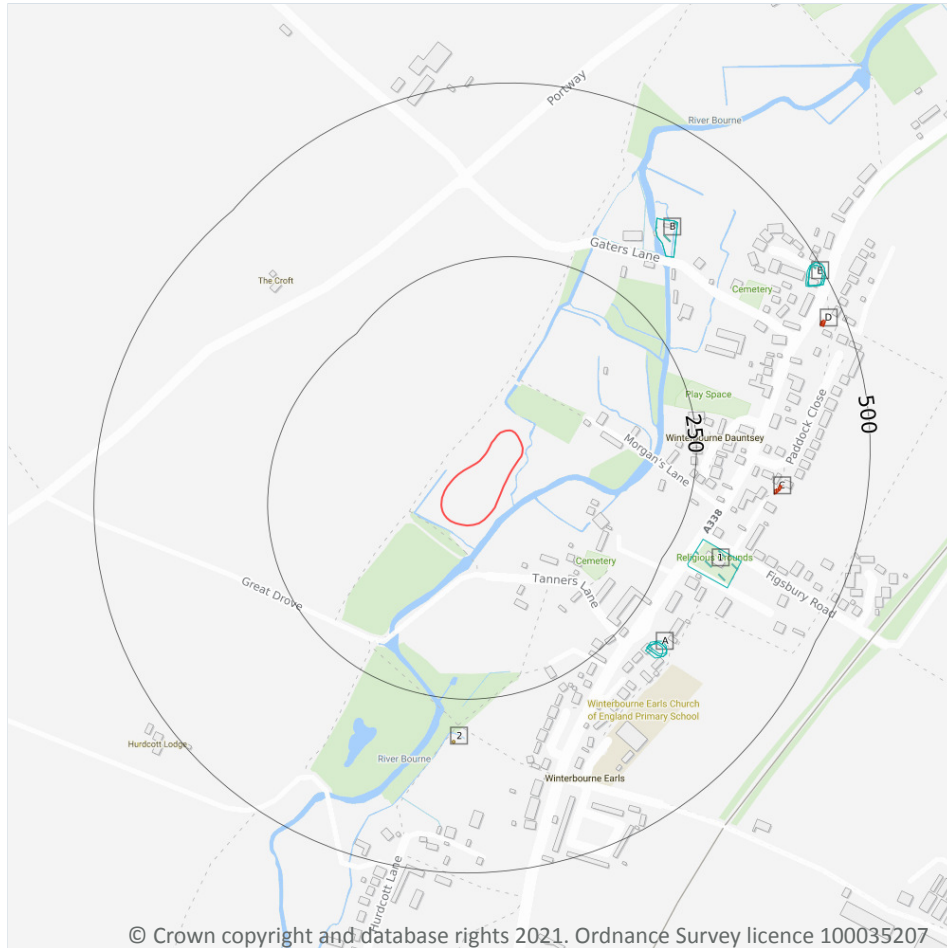
0

Areas of military land digitised from multiple sources including the National Archives, local records, MOD records and verified other sources, intelligently grouped into contiguous features.

This data is sourced from Ordnance Survey / Groundsure / other sources.



2 Past land use - un-grouped



- Site Outline
- Search buffers in metres (m)
- Historical industrial land uses
- Historical tanks
- Historical energy features

2.1 Historical industrial land uses

Records within 500m

11

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 10,560 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 15**

ID	Location	Land Use	Date	Group ID
1	285m SE	Grave Yard	1879	1865680
A	296m SE	Unspecified Pit	1923	1906665
A	297m SE	Unspecified Pit	1938	1968014



ID	Location	Land Use	Date	Group ID
A	297m SE	Unspecified Pit	1938	1968014
A	298m SE	Unspecified Pit	1961	1945896
B	334m NE	Disused Corn Mill	1926	1905135
B	334m NE	Disused Corn Mill	1899	1905135
E	468m NE	Unspecified Pit	1900	1967280
E	470m NE	Unspecified Pit	1923	1935456
E	472m NE	Unspecified Pit	1926	1889174
E	472m NE	Unspecified Pit	1926	1889174

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

1

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 15**

ID	Location	Land Use	Date	Group ID
2	310m S	Unspecified Tank	1926	303696

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

8

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 15**

ID	Location	Land Use	Date	Group ID
C	367m E	Electricity Substation	1988	210409
C	369m E	Electricity Substation	1974	210409



ID	Location	Land Use	Date	Group ID
C	372m E	Electricity Substation	1995	203626
C	372m E	Electricity Substation	1995	203626
D	463m E	Electricity Substation	1988	212191
D	464m E	Electricity Substation	1995	212191
D	464m E	Electricity Substation	1995	212191
D	465m E	Electricity Substation	1974	212191

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m

0

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

2.5 Historical garages

Records within 500m

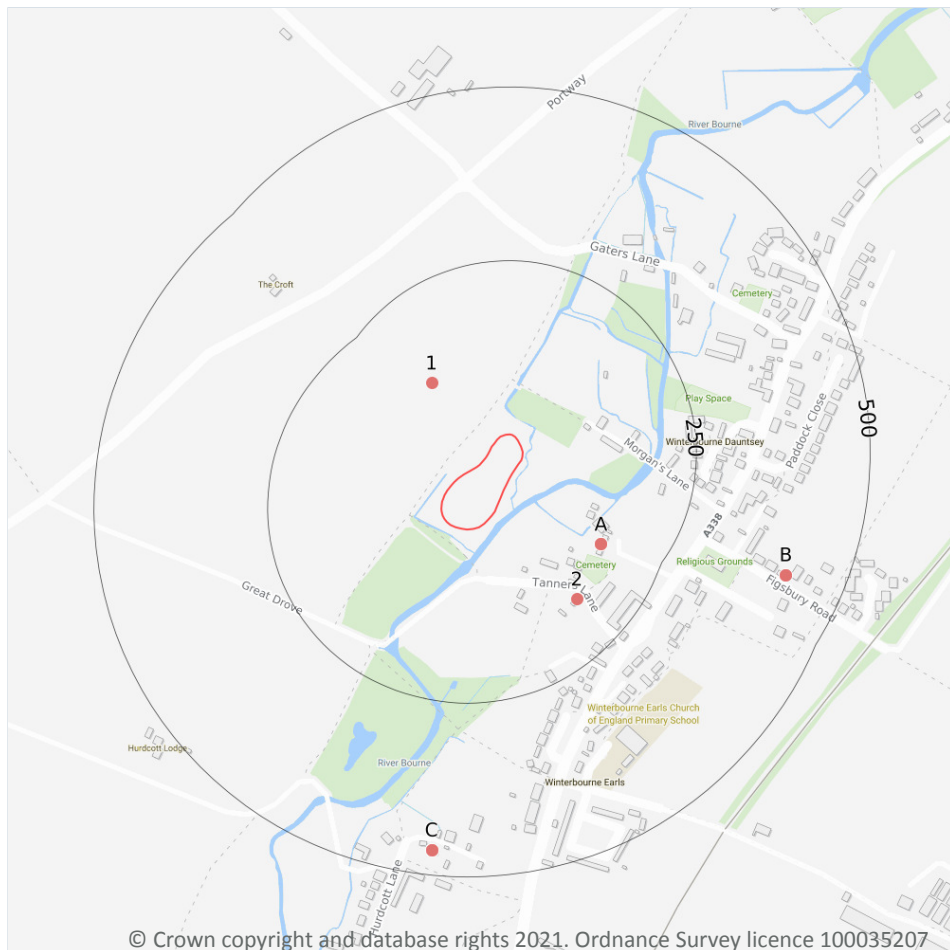
0

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



- Site Outline
- Search buffers in metres (m)
- Waste exemptions

3.1 Active or recent landfill

Records within 500m

0

Active or recently closed landfill sites under Environment Agency/Natural Resources Wales regulation.

This data is sourced from the Environment Agency and Natural Resources Wales.

3.2 Historical landfill (BGS records)

Records within 500m

0

Landfill sites identified on a survey carried out on behalf of the DoE in 1973. These sites may have been closed or operational at this time.

This data is sourced from the British Geological Survey.



3.3 Historical landfill (LA/mapping records)

Records within 500m**0**

Landfill sites identified from Local Authority records and high detail historical mapping.

This data is sourced from the Ordnance Survey/Groundsure and Local Authority records.

3.4 Historical landfill (EA/NRW records)

Records within 500m**0**

Known historical (closed) landfill sites (e.g. sites where there is no PPC permit or waste management licence currently in force). This includes sites that existed before the waste licensing regime and sites that have been licensed in the past but where a licence has been revoked, ceased to exist or surrendered and a certificate of completion has been issued.

This data is sourced from the Environment Agency and Natural Resources Wales.

3.5 Historical waste sites

Records within 500m**0**

Waste site records derived from Local Authority planning records and high detail historical mapping.

This data is sourced from Ordnance Survey/Groundsure and Local Authority records.

3.6 Licensed waste sites

Records within 500m**0**

Active or recently closed waste sites under Environment Agency/Natural Resources Wales regulation.

This data is sourced from the Environment Agency and Natural Resources Wales.

3.7 Waste exemptions

Records within 500m**53**

Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

Features are displayed on the Waste and landfill map on **page 18**

ID	Location	Site	Reference	Category	Sub-Category	Description
1	124m NW	OPERATIONS CENTRE, CLAVERTON DOWN ROAD, CLAVERTON DOWN, BATH, BA2 7WW	WEX098509	Storing waste exemption	On a farm	Storage of sludge
A	159m SE	MANOR FARM, WINTERBOURNE EARLS, SALISBURY, SP4 6HD	WEX038416	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
A	159m SE	MANOR FARM, WINTERBOURNE EARLS, SALISBURY, SP4 6HD	WEX038416	Disposing of waste exemption	On a farm	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
A	159m SE	MANOR FARM, WINTERBOURNE EARLS, SALISBURY, SP4 6HD	WEX038416	Disposing of waste exemption	On a farm	Disposal by incineration
A	159m SE	MANOR FARM, WINTERBOURNE EARLS, SALISBURY, SP4 6HD	WEX038416	Disposing of waste exemption	On a farm	Burning waste in the open
A	159m SE	MANOR FARM, WINTERBOURNE EARLS, SALISBURY, SP4 6HD	WEX038416	Storing waste exemption	On a farm	Storage of waste in a secure place
A	159m SE	MANOR FARM, WINTERBOURNE EARLS, SALISBURY, SP4 6HD	WEX038416	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
A	159m SE	MANOR FARM, WINTERBOURNE EARLS, SALISBURY, SP4 6HD	WEX038416	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
A	159m SE	MANOR FARM, WINTERBOURNE EARLS, SALISBURY, SP4 6HD	WEX038416	Using waste exemption	On a farm	Use of waste in construction
A	159m SE	MANOR FARM, WINTERBOURNE EARLS, SALISBURY, SP4 6HD	WEX038416	Using waste exemption	On a farm	Pig and poultry ash
A	159m SE	MANOR FARM, WINTERBOURNE EARLS, SALISBURY, SP4 6HD	WEX038416	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
A	159m SE	MANOR FARM, WINTERBOURNE EARLS, SALISBURY, SP4 6HD	WEX038416	Using waste exemption	On a farm	Use of waste for a specified purpose
2	172m SE	MANOR FARM COTTAGE, WINTERBOURNE EARLS, SALISBURY, SP4 6HD	WEX138891	Storing waste exemption	On a farm	Storage of sludge



ID	Location	Site	Reference	Category	Sub-Category	Description
B	415m SE	-	WEX265317	Storing waste exemption	Not on a farm	Storage of waste in a secure place
B	415m SE	-	WEX265317	Treating waste exemption	Not on a farm	Recovery of scrap metal
B	415m SE	-	WEX265317	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
B	415m SE	6, FIGSBURY ROAD, WINTERBOURNE DAUNTSEY, SALISBURY, SP4 6EX	WEX125623	Storing waste exemption	Not on a farm	Storage of waste in a secure place
B	415m SE	6, FIGSBURY ROAD, WINTERBOURNE DAUNTSEY, SALISBURY, SP4 6EX	WEX125623	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
B	415m SE	6, FIGSBURY ROAD, WINTERBOURNE DAUNTSEY, SALISBURY, SP4 6EX	WEX125623	Treating waste exemption	Not on a farm	Recovery of scrap metal
C	465m S	ROSE FARM, HURDCOTT, WINTERBOURNE EARLS, SALISBURY, SP4 6HR	WEX195291	Disposing of waste exemption	On a Farm	Deposit of waste from dredging of inland waters
C	465m S	ROSE FARM, HURDCOTT, WINTERBOURNE EARLS, SALISBURY, SP4 6HR	WEX195291	Disposing of waste exemption	On a Farm	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
C	465m S	ROSE FARM, HURDCOTT, WINTERBOURNE EARLS, SALISBURY, SP4 6HR	WEX195291	Disposing of waste exemption	On a Farm	Burning waste in the open
C	465m S	ROSE FARM, HURDCOTT, WINTERBOURNE EARLS, SALISBURY, SP4 6HR	WEX195291	Storing waste exemption	On a Farm	Storage of waste in secure containers
C	465m S	ROSE FARM, HURDCOTT, WINTERBOURNE EARLS, SALISBURY, SP4 6HR	WEX195291	Storing waste exemption	On a Farm	Storage of waste in a secure place
C	465m S	ROSE FARM, HURDCOTT, WINTERBOURNE EARLS, SALISBURY, SP4 6HR	WEX195291	Using waste exemption	On a Farm	Use of waste in construction
C	465m S	ROSE FARM, HURDCOTT, WINTERBOURNE EARLS, SALISBURY, SP4 6HR	WEX195291	Using waste exemption	On a Farm	Use of waste for a specified purpose



ID	Location	Site	Reference	Category	Sub-Category	Description
C	465m S	ROSE FARM, HURDCOTT, WINTERBOURNE EARLS, SALISBURY, SP4 6HR	WEX195291	Using waste exemption	On a Farm	Spreading waste on agricultural land to confer benefit
C	465m S	ROSE FARM, HURDCOTT, WINTERBOURNE EARLS, SALISBURY, SP4 6HR	WEX195291	Treating waste exemption	On a Farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
C	465m S	ROSE FARM, HURDCOTT, WINTERBOURNE EARLS, SALISBURY, SP4 6HR	WEX195291	Treating waste exemption	On a Farm	Aerobic composting and associated prior treatment
C	465m S	ROSE FARM, HURDCOTT, WINTERBOURNE EARLS, SALISBURY, SP4 6HR	WEX195291	Treating waste exemption	On a Farm	Anaerobic digestion at premises used for agriculture and burning of resultant biogas
C	465m S	ROSE FARM, HURDCOTT, WINTERBOURNE EARLS, SALISBURY, SP4 6HR	WEX039223	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
C	465m S	ROSE FARM, HURDCOTT, WINTERBOURNE EARLS, SALISBURY, SP4 6HR	WEX039223	Disposing of waste exemption	On a farm	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
C	465m S	ROSE FARM, HURDCOTT, WINTERBOURNE EARLS, SALISBURY, SP4 6HR	WEX039223	Disposing of waste exemption	On a farm	Burning waste in the open
C	465m S	ROSE FARM, HURDCOTT, WINTERBOURNE EARLS, SALISBURY, SP4 6HR	WEX039223	Storing waste exemption	On a farm	Storage of waste in secure containers
C	465m S	ROSE FARM, HURDCOTT, WINTERBOURNE EARLS, SALISBURY, SP4 6HR	WEX039223	Storing waste exemption	On a farm	Storage of waste in a secure place
C	465m S	ROSE FARM, HURDCOTT, WINTERBOURNE EARLS, SALISBURY, SP4 6HR	WEX039223	Treating waste exemption	On a farm	Aerobic composting and associated prior treatment
C	465m S	ROSE FARM, HURDCOTT, WINTERBOURNE EARLS, SALISBURY, SP4 6HR	WEX039223	Treating waste exemption	On a farm	Anaerobic digestion at premises used for agriculture and burning of resultant biogas
C	465m S	ROSE FARM, HURDCOTT, WINTERBOURNE EARLS, SALISBURY, SP4 6HR	WEX039223	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising



ID	Location	Site	Reference	Category	Sub-Category	Description
C	465m S	ROSE FARM, HURDCOTT, WINTERBOURNE EARLS, SALISBURY, SP4 6HR	WEX039223	Using waste exemption	On a farm	Use of waste in construction
C	465m S	ROSE FARM, HURDCOTT, WINTERBOURNE EARLS, SALISBURY, SP4 6HR	WEX039223	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
C	465m S	ROSE FARM, HURDCOTT, WINTERBOURNE EARLS, SALISBURY, SP4 6HR	WEX039223	Using waste exemption	On a farm	Use of waste for a specified purpose
C	465m S	Rose Farm SALISBURY SP4 6HR	EPR/UE5183U W/A001	Disposing of waste exemption	Agricultural Waste Only	Deposit of waste from dredging of inland waters
C	465m S	Rose Farm SALISBURY SP4 6HR	EPR/UE5183U W/A001	Disposing of waste exemption	Agricultural Waste Only	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
C	465m S	Rose Farm SALISBURY SP4 6HR	EPR/UE5183U W/A001	Disposing of waste exemption	Agricultural Waste Only	Burning waste in the open
C	465m S	Rose Farm SALISBURY SP4 6HR	EPR/UE5183U W/A001	Storing waste exemption	Agricultural Waste Only	Storage of waste in secure containers
C	465m S	Rose Farm SALISBURY SP4 6HR	EPR/UE5183U W/A001	Storing waste exemption	Agricultural Waste Only	Storage of waste in a secure place
C	465m S	Rose Farm SALISBURY SP4 6HR	EPR/UE5183U W/A001	Treating waste exemption	Agricultural Waste Only	Anaerobic digestion at premises used for agriculture and burning of resultant biogas
C	465m S	Rose Farm SALISBURY SP4 6HR	EPR/UE5183U W/A001	Treating waste exemption	Agricultural Waste Only	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
C	465m S	Rose Farm SALISBURY SP4 6HR	EPR/UE5183U W/A001	Using waste exemption	Agricultural Waste Only	Spreading waste on agricultural land to confer benefit
C	465m S	Rose Farm SALISBURY SP4 6HR	EPR/UE5183U W/A001	Using waste exemption	Agricultural Waste Only	Use of waste for a specified purpose
C	465m S	Rose Farm SALISBURY SP4 6HR	EPR/UE5183U W/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Aerobic composting and associated prior treatment



ID	Location	Site	Reference	Category	Sub-Category	Description
C	465m S	Rose Farm SALISBURY SP4 6HR	EPR/UE5183U W/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste in construction
C	465m S	Rose Farm SALISBURY SP4 6HR	EPR/LF0634W N/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste for a specified purpose

This data is sourced from the Environment Agency and Natural Resources Wales.



4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m

0

Current potentially contaminative industrial sites.

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m

0

Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m**0**

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m**0**

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m**0**

Contaminated Land Register of sites designated under Part 2a of the Environmental Protection Act 1990.

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m**0**

Control of Major Accident Hazards (COMAH) sites. This data includes upper and lower tier sites, and includes a historical archive of COMAH sites and Notification of Installations Handling Hazardous Substances (NIHHS) records.

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m**0**

Sites registered and licensed by the Health and Safety Executive under the Manufacture and Storage of Explosives Regulations 2005 (MSER). The last update to this data was in April 2011.

This data is sourced from the Health and Safety Executive.



4.8 Hazardous substance storage/usage

Records within 500m

0

Consents granted for a site to hold certain quantities of hazardous substances at or above defined limits in accordance with the Planning (Hazardous Substances) Regulations 2015.

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m

0

Integrated Pollution Control (IPC) records of substance releases to air, land and water. This data represents a historical archive as the IPC regime has been superseded.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.10 Licensed industrial activities (Part A(1))

Records within 500m

0

Records of Part A(1) installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.11 Licensed pollutant release (Part A(2)/B)

Records within 500m

0

Records of Part A(2) and Part B installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m

0

Records of the storage, use, accumulation and disposal of radioactive substances regulated under the Radioactive Substances Act 1993.

This data is sourced from the Environment Agency and Natural Resources Wales.



4.13 Licensed Discharges to controlled waters

Records within 500m**0**

Discharges of treated or untreated effluent to controlled waters under the Water Resources Act 1991.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.14 Pollutant release to surface waters (Red List)

Records within 500m**0**

Discharges of specified substances under the Environmental Protection (Prescribed Processes and Substances) Regulations 1991.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.15 Pollutant release to public sewer

Records within 500m**0**

Discharges of Special Category Effluents to the public sewer.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.16 List 1 Dangerous Substances

Records within 500m**0**

Discharges of substances identified on List I of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.17 List 2 Dangerous Substances

Records within 500m**0**

Discharges of substances identified on List II of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.18 Pollution Incidents (EA/NRW)

Records within 500m

2

Records of substantiated pollution incidents. Since 2006 this data has only included category 1 (major) and 2 (significant) pollution incidents.

Features are displayed on the Current industrial land use map on **page 25**

ID	Location	Details	
1	193m E	Incident Date: 22/01/2003 Incident Identification: 132705 Pollutant: Sewage Materials Pollutant Description: Other Sewage Material	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
2	200m SW	Incident Date: 09/05/2003 Incident Identification: 157112 Pollutant: Contaminated Water Pollutant Description: Suspended Solids	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

This data is sourced from the Environment Agency and Natural Resources Wales.

4.19 Pollution inventory substances

Records within 500m

0

The pollution inventory (substances) includes reporting on annual emissions of certain regulated substances to air, controlled waters and land. A reporting threshold for each substance is also included. Where emissions fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

4.20 Pollution inventory waste transfers

Records within 500m

0

The pollution inventory (waste transfers) includes reporting on annual transfers and recovery/disposal of controlled wastes from a site. A reporting threshold for each waste type is also included. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.



4.21 Pollution inventory radioactive waste

Records within 500m

0

The pollution inventory (radioactive wastes) includes reporting on annual releases of radioactive substances from a site, including the means of release. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.



5 Geology (basic)

5.1 Superficial geology (625k)

Records within 500m

3

Generalised geology data based on BGS's published poster maps of the UK (North and South). Superficial related themes digitised from 1977 first edition Quaternary map (North and South).

Location	Lex code	Description	Rock type
On site	RTDU-SAGR	RIVER TERRACE DEPOSITS (UNDIFFERENTIATED)	SAND AND GRAVEL
116m W	ALV-CLSS	ALLUVIUM	CLAY, SILT AND SAND
424m SE	RTDU-SAGR	RIVER TERRACE DEPOSITS (UNDIFFERENTIATED)	SAND AND GRAVEL

This data is sourced from the British Geological Survey.

5.2 Bedrock geology (625k)

Records within 500m

1

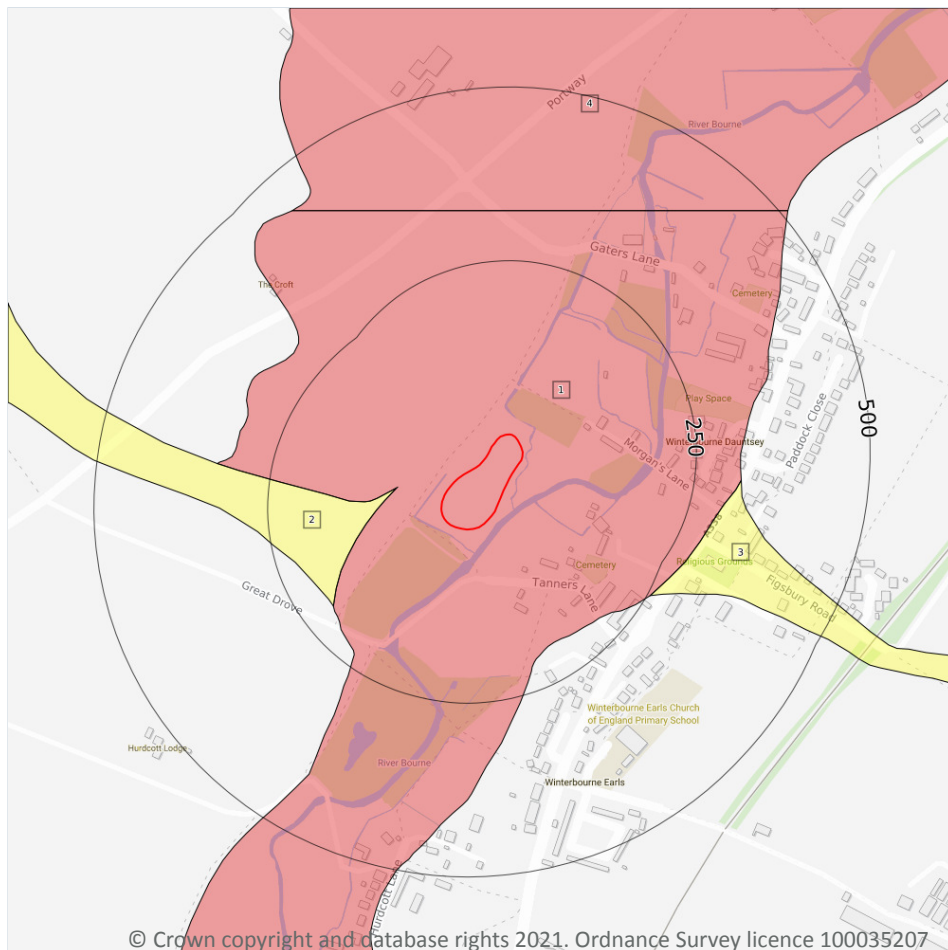
Generalised geology data based on BGS's published poster maps of the UK (North and South). Bedrock related themes created through generalisation of 1:50,000 data.

Location	Lex code	Description	Rock type
On site	WHCK-CHLK	WHITE CHALK SUBGROUP	CHALK

This data is sourced from the British Geological Survey.



6 Hydrogeology - Superficial aquifer



- Site Outline**
- Search buffers in metres (m)**
- Principal
 - Secondary A
 - Secondary B
 - Secondary Undifferentiated
 - Unproductive
 - Unknown

6.1 Superficial aquifer

Records within 500m

4

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on **page 32**

ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	68m W	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

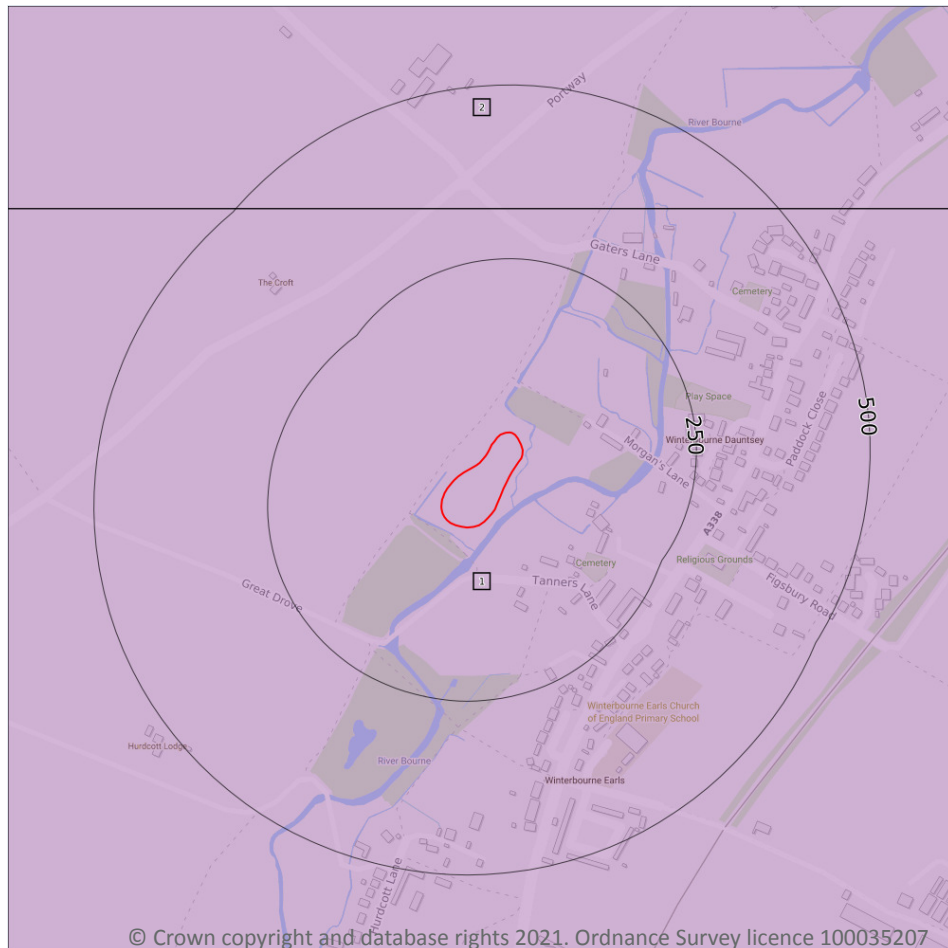


ID	Location	Designation	Description
3	254m SE	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
4	322m N	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.



Bedrock aquifer



- Site Outline
- Search buffers in metres (m)
- Principal
 - Secondary A
 - Secondary B
 - Secondary Undifferentiated
 - Unproductive

6.2 Bedrock aquifer

Records within 500m

2

Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 34**

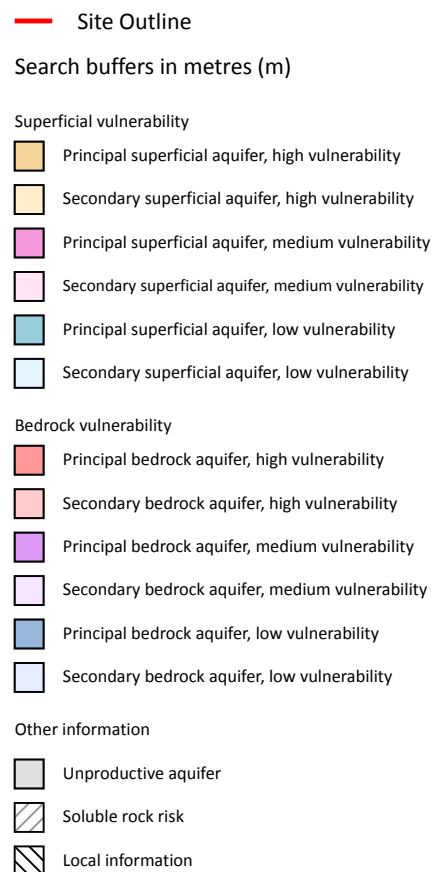
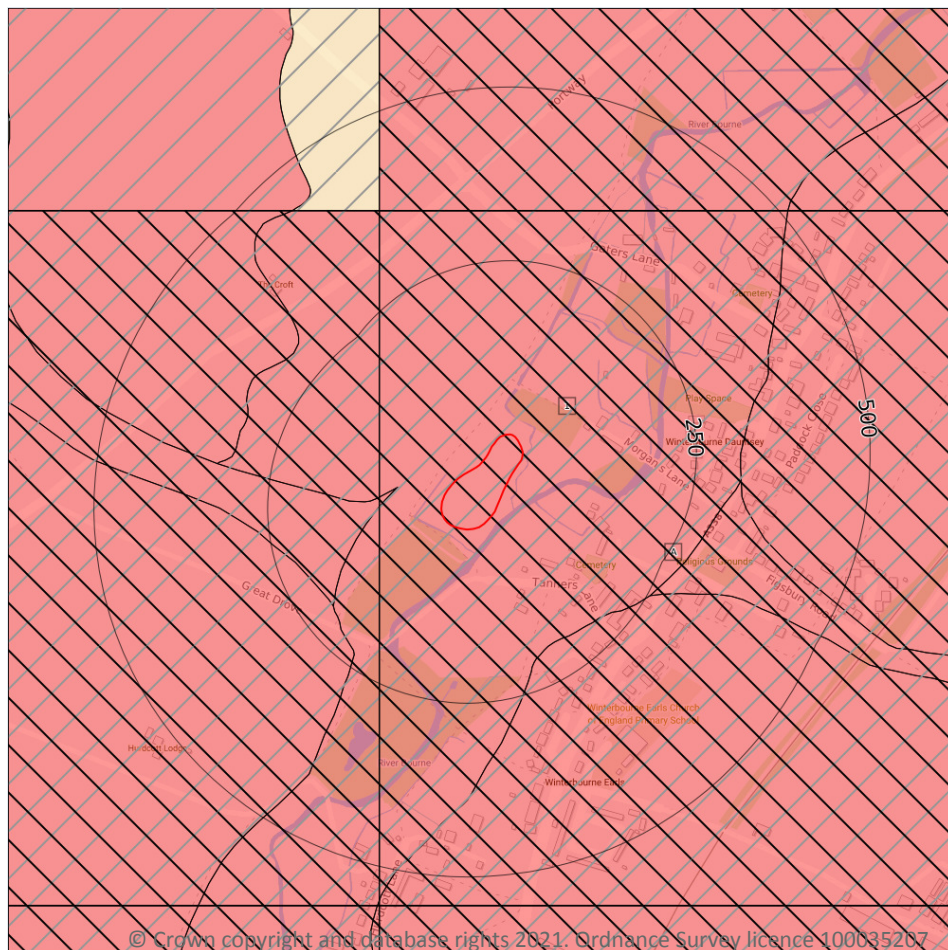
ID	Location	Designation	Description
1	On site	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
2	322m N	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers



This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.



Groundwater vulnerability



6.3 Groundwater vulnerability

Records within 50m

1

An assessment of the vulnerability of groundwater to a pollutant discharged at ground level based on the hydrological, geological, hydrogeological and soil properties within a one kilometre square grid.

Groundwater vulnerability is described as High, Medium or Low as follows:

- High - Areas able to easily transmit pollution to groundwater. They are likely to be characterised by high leaching soils and the absence of low permeability superficial deposits.
- Medium - Intermediate between high and low vulnerability.
- Low - Areas that provide the greatest protection from pollution. They are likely to be characterised by low leaching soils and/or the presence of superficial deposits characterised by a low permeability.

Features are displayed on the Groundwater vulnerability map on **page 36**



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: 300- 550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: Medium	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

6.4 Groundwater vulnerability- soluble rock risk

Records on site	1
------------------------	----------

This dataset identifies areas where solution features that enable rapid movement of a pollutant may be present within a 1km grid square.

ID	Maximum soluble risk category	Percentage of grid square covered by maximum risk
A	Significant soluble rocks are likely to be present. Low possibility of localised subsidence or dissolution-related degradation of bedrock occurring naturally, but may be possible in adverse conditions such as high surface or subsurface water flow.	13.0%

This data is sourced from the British Geological Survey and the Environment Agency.

6.5 Groundwater vulnerability- local information

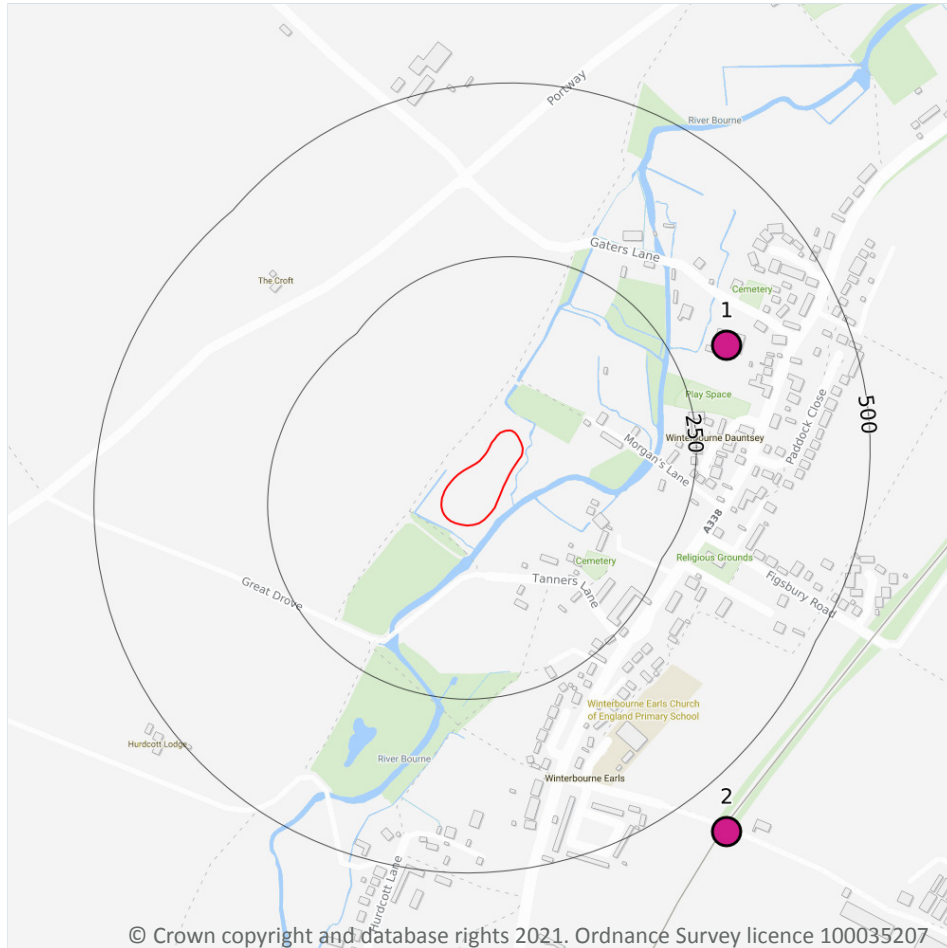
Records on site	1
------------------------	----------

This dataset identifies areas where additional local information affecting vulnerability is held by the Environment Agency. Further information can be obtained by contacting the Environment Agency local Area groundwater team through the Environment Agency National Customer Call Centre on 03798 506 506 or by email on enquiries@environment-agency.gov.uk.

ID	Summary	Additional information
A	Increased vulnerability of superficial river deposits	Exposed areas of river terrace deposits

This data is sourced from the British Geological Survey and the Environment Agency.

Abstractions and Source Protection Zones



- Site Outline
- Search buffers in metres (m)
- Source Protection Zone 1
Inner catchment
- Source Protection Zone 2
Outer catchment
- Source Protection Zone 3
Total catchment
- Source Protection Zone 4
Zone of Special Interest
- Source Protection Zone 1c
Inner catchment - confined aquifer
- Source Protection Zone 2c
Outer catchment - confined aquifer
- Source Protection Zone 3c
Total catchment - confined aquifer
- Drinking water abstraction licences
Point features
- Drinking water abstraction licences
Polygon features
- Drinking water abstraction licences
Linear features
- Groundwater abstraction licence (point)
- Groundwater abstraction licence (area)
- Groundwater abstraction licence (linear)
- Surface Water Abstractions (point)
- Surface Water Abstractions (area)
- Surface Water Abstractions (linear)

6.6 Groundwater abstractions

Records within 2000m

15

Licensed groundwater abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, between two points (line data) or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on **page 38**

ID	Location	Details	
1	327m NE	Status: Historical Licence No: 13/43/024/G/030 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: IVY COTTAGE CHURCH WELL Data Type: Point Name: R White & Son (Winterbourne) Ltd Easting: 417500 Northing: 134800	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/02/1967 Expiry Date: - Issue No: 100 Version Start Date: 01/02/1967 Version End Date: -
2	568m SE	Status: Historical Licence No: 13/43/024/G/024 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: EAST WINTERBOURNE BOREHOLE #1 Data Type: Point Name: Harvey Easting: 417500 Northing: 134100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/06/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/06/1966 Version End Date: -
-	682m NW	Status: Historical Licence No: 13/43/024/G/029 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: CRABTREE COTTAGES BOREHOLE #1 Data Type: Point Name: R White & Son (Winterbourne) Ltd Easting: 416900 Northing: 135300	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/02/1967 Expiry Date: - Issue No: 100 Version Start Date: 01/02/1967 Version End Date: -
-	878m NE	Status: Historical Licence No: 13/43/024/G/014 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: WINTERBOURNE GUNNER BOREHOLE #1 Data Type: Point Name: Church Farms (Winterbourne Earls) Ltd Easting: 417900 Northing: 135200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/12/1966 Expiry Date: - Issue No: 101 Version Start Date: 15/01/2001 Version End Date: -
-	883m NE	Status: Historical Licence No: 13/43/024/G/027 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: "MANOR FARM, WINTERBOURNE GUNNER BOREHOLE #1" Data Type: Point Name: R White & Son (Winterbourne) Ltd Easting: 417700 Northing: 135400	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/02/1967 Expiry Date: - Issue No: 100 Version Start Date: 01/02/1967 Version End Date: -



ID	Location	Details	
-	883m NE	Status: Historical Licence No: 13/43/024/G/027 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: MANOR FARM, WINTERBOURNE GUNNER BOREHOLE #1 Data Type: Point Name: Bruce-White Easting: 417700 Northing: 135400	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/02/1967 Expiry Date: - Issue No: 101 Version Start Date: 01/10/1998 Version End Date: -
-	924m NE	Status: Historical Licence No: 13/43/024/G/014 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: WINTERBOURNE GUNNER BOREHOLE #1 Data Type: Point Name: Church Farms (Winterbourne Earls) Ltd Easting: 417970 Northing: 135180	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/12/1966 Expiry Date: - Issue No: 101 Version Start Date: 15/01/2001 Version End Date: -
-	1466m NE	Status: Historical Licence No: 13/43/024/G/041 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: W GOMELDON FARM WELL #1 Data Type: Point Name: Joe Dean Farming Co Ltd Easting: 418000 Northing: 135900	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/07/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/07/1966 Version End Date: -
-	1542m S	Status: Active Licence No: 13/43/024/G/109 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: FORD DOWN BOREHOLE #1 Data Type: Point Name: Fieldfare Farms Ltd Easting: 417200 Northing: 133000	Annual Volume (m ³): 7,380 Max Daily Volume (m ³): 106.50 Original Application No: - Original Start Date: 21/05/1985 Expiry Date: - Issue No: 100 Version Start Date: 21/05/1985 Version End Date: -
-	1542m S	Status: Active Licence No: 13/43/024/G/109 Details: Spray Irrigation - Direct Direct Source: Ground Water - Fresh Point: FORD DOWN BOREHOLE #1 Data Type: Point Name: Fieldfare Farms Ltd Easting: 417200 Northing: 133000	Annual Volume (m ³): 7,380 Max Daily Volume (m ³): 106.50 Original Application No: - Original Start Date: 21/05/1985 Expiry Date: - Issue No: 100 Version Start Date: 21/05/1985 Version End Date: -



ID	Location	Details	
-	1548m N	Status: Historical Licence No: 13/43/024/G/028 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: DOWNBARN WEST WELL #1 Data Type: Point Name: R White & Son (Winterbourne) Ltd Easting: 416900 Northing: 136200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/02/1967 Expiry Date: - Issue No: 100 Version Start Date: 01/02/1967 Version End Date: -
-	1622m W	Status: Historical Licence No: 13/43/024/G/035 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: HURDCOTT FIELD BARN WELL #1 Data Type: Point Name: Chichester Easting: 415500 Northing: 134900	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/02/1967 Expiry Date: - Issue No: 100 Version Start Date: 29/09/1976 Version End Date: -
-	1630m SE	Status: Historical Licence No: 13/43/024/G/046 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: PINECREST BOREHOLE #1 Data Type: Point Name: Morris Easting: 417900 Northing: 133100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/05/1967 Expiry Date: - Issue No: 100 Version Start Date: 23/06/1987 Version End Date: -
-	1944m SW	Status: Historical Licence No: 13/43/024/G/040 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: "MANOR FARM, LAVERSTOCK WELL #1" Data Type: Point Name: Dolphin Farms Ltd Easting: 415700 Northing: 133200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/06/1966 Expiry Date: - Issue No: 100 Version Start Date: 24/06/1987 Version End Date: -
-	1944m SW	Status: Historical Licence No: 13/43/024/G/040 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: MANOR FARM, LAVERSTOCK WELL #1 Data Type: Point Name: Dolphin Farms Ltd Easting: 415700 Northing: 133200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/06/1966 Expiry Date: - Issue No: 100 Version Start Date: 24/06/1987 Version End Date: -

This data is sourced from the Environment Agency and Natural Resources Wales.



6.7 Surface water abstractions

Records within 2000m

1

Licensed surface water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on **page 38**

ID	Location	Details	
-	1528m S	Status: Active Licence No: 13/43/024/S/123 Details: Transfer Between Sources (Post Water Act 2003) Direct Source: Surface Water - Fresh Point: RIVER BOURNE AT FORD Data Type: Point Name: Dolphin Farms Ltd Easting: 416640 Northing: 133090	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 17/10/2008 Expiry Date: 31/03/2025 Issue No: 101 Version Start Date: 01/04/2021 Version End Date: -

This data is sourced from the Environment Agency and Natural Resources Wales.

6.8 Potable abstractions

Records within 2000m

0

Licensed potable water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

This data is sourced from the Environment Agency and Natural Resources Wales.

6.9 Source Protection Zones

Records within 500m

0

Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination.

This data is sourced from the Environment Agency and Natural Resources Wales.



6.10 Source Protection Zones (confined aquifer)

Records within 500m

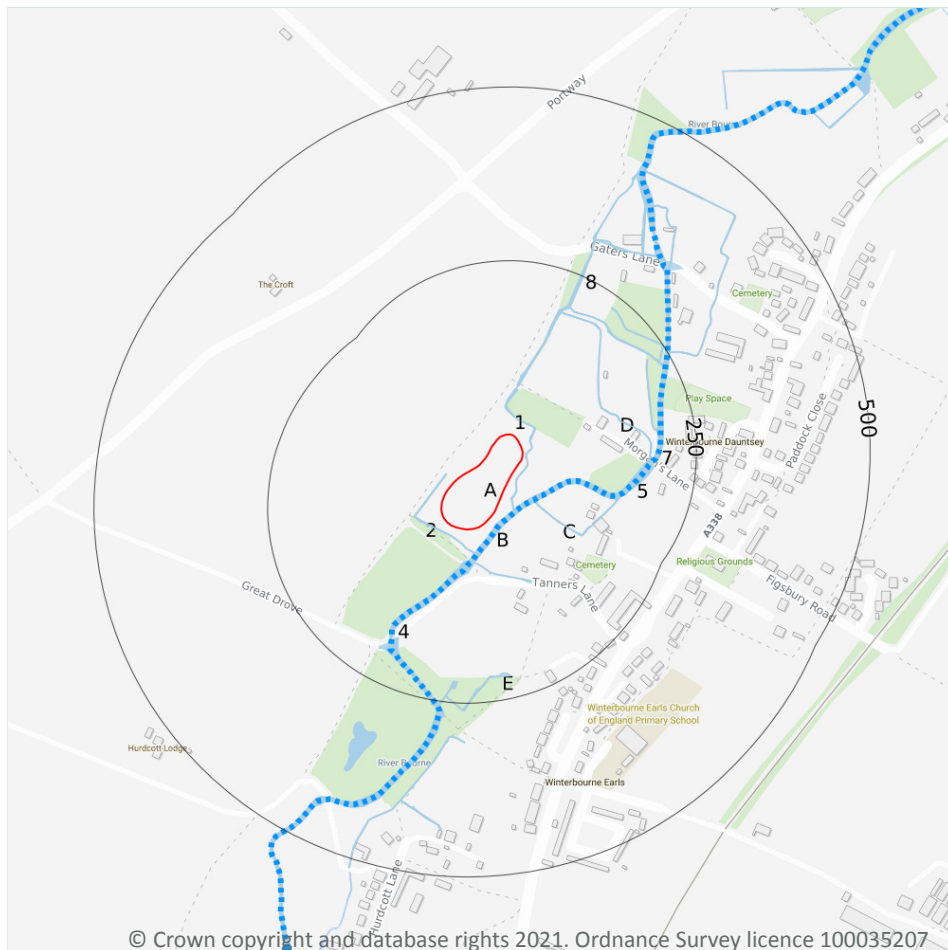
0

Source Protection Zones in the confined aquifer define the sensitivity around a deep groundwater abstraction to contamination. A confined aquifer would normally be protected from contamination by overlying geology and is only considered a sensitive resource if deep excavation/drilling is taking place.

This data is sourced from the Environment Agency and Natural Resources Wales.



7 Hydrology



- Site Outline
- Search buffers in metres (m)
- Water Network (OS MasterMap)
- Surface water features (wider than 5m)
- Surface water features (narrower than 5m)
- ⋯ WFD River, canal and surface water transfer water bodies
- WFD Lake water bodies
- WFD Transitional and coastal water bodies
- WFD Surface water body catchments boundaries
- WFD Groundwater body boundaries

7.1 Water Network (OS MasterMap)

Records within 250m

34

Detailed water network of Great Britain showing the flow and precise central course of every river, stream, lake and canal.

Features are displayed on the Hydrology map on **page 44**

ID	Location	Type of water feature	Ground level	Permanence	Name
1	5m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
2	13m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	17m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Bourne
B	27m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Bourne
B	38m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Bourne
C	45m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Bourne
C	45m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Bourne
4	46m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Bourne
B	46m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	67m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	67m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	94m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	128m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	135m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	River Bourne



ID	Location	Type of water feature	Ground level	Permanence	Name
C	140m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Bourne
5	146m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Bourne
D	163m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
D	166m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
7	184m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Bourne
D	190m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	190m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	198m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	200m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Bourne
8	201m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	212m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	214m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	222m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
E	223m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	232m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	232m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	235m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	239m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Bourne
E	241m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	241m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

This data is sourced from the Ordnance Survey.

7.2 Surface water features

Records within 250m

6

Covering rivers, streams and lakes (some overlap with OS MasterMap Water Network data in previous section) but additionally covers smaller features such as ponds. Rivers and streams narrower than 5m are represented as a single line. Lakes, ponds and rivers or streams wider than 5m are represented as polygons.

Features are displayed on the Hydrology map on **page 44**

This data is sourced from the Ordnance Survey.

7.3 WFD Surface water body catchments

Records on site

1

The Water Framework Directive is an EU-led framework for the protection of inland surface waters, estuaries, coastal waters and groundwater through river basin-level management planning. In terms of surface water, these basins are broken down into smaller units known as management, operational and water body catchments.



Features are displayed on the Hydrology map on **page 44**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	On site	River WB catchment	Bourne (Hampshire Avon)	GB108043022390	Hampshire Avon	Avon Hampshire

This data is sourced from the Environment Agency and Natural Resources Wales.

7.4 WFD Surface water bodies

Records identified	1
---------------------------	----------

Surface water bodies under the Directive may be rivers, lakes, estuary or coastal. To achieve the purpose of the Directive, environmental objectives have been set and are reported on for each water body. The progress towards delivery of the objectives is then reported on by the relevant competent authorities at the end of each six-year cycle. The river water body directly associated with the catchment listed in the previous section is detailed below, along with any lake, canal, coastal or artificial water body within 250m of the site. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each water body listed.

Features are displayed on the Hydrology map on **page 44**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
3	17m SE	River	Bourne (Hampshire Avon)	GB108043022390	Poor	Good	Poor	2016

This data is sourced from the Environment Agency and Natural Resources Wales.

7.5 WFD Groundwater bodies

Records on site	1
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Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each groundwater body listed.

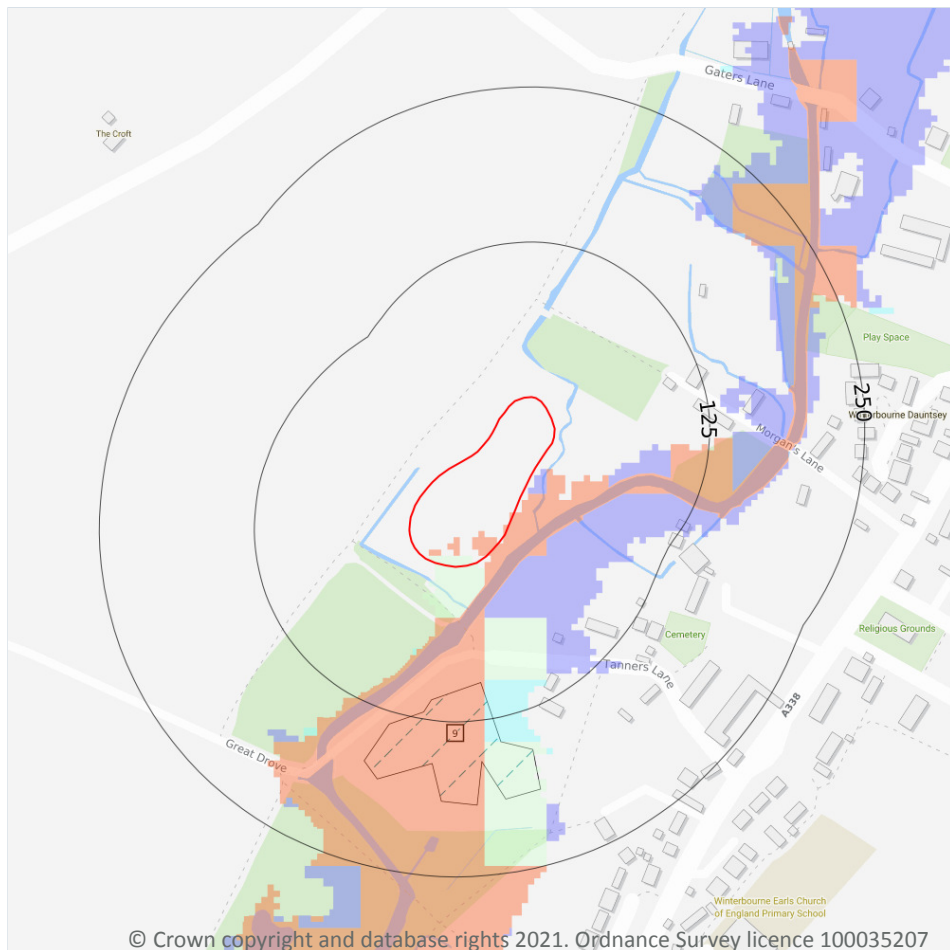
Features are displayed on the Hydrology map on **page 44**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
A	On site	Upper Hampshire Avon	GB40801G806900	Poor	Poor	Poor	2015

This data is sourced from the Environment Agency and Natural Resources Wales.



8 River and coastal flooding



- Site Outline
- Search buffers in metres (m)
- River and coastal flooding:
- High
- Medium
- Low
- Very Low
- Historical Flood Events
- Areas Used for Flood Storage
- Areas Benefiting from Flood Defences
- Flood Defences

8.1 Risk of flooding from rivers and the sea

Records within 50m

9

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m within the Risk of Flooding from Rivers and Sea (RoFRaS)/Flood Risk Assessment Wales (FRAW) models. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition. The risk categories for RoFRaS for rivers and the sea and FRAW for rivers are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 100 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 100 chance) or High (greater than or equal to 1 in 30 chance). The risk categories for FRAW for the sea are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 200 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 200 chance) or High (greater than or equal to 1 in 30 chance).

Features are displayed on the River and coastal flooding map on **page 49**



Distance	Flood risk category
On site	High
0 - 50m	High

This data is sourced from the Environment Agency and Natural Resources Wales.

8.2 Historical Flood Events

Records within 250m	1
---------------------	---

Records of historic flooding from rivers, the sea, groundwater and surface water. Records began in 1946 when predecessor bodies started collecting detailed information about flooding incidents, although limited details may be included on flooding incidents prior to this date. Takes into account the presence of defences, structures, and other infrastructure where they existed at the time of flooding, and includes flood extents that may have been affected by overtopping, breaches or blockages.

Features are displayed on the River and coastal flooding map on **page 49**

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
9	95m S	Flood Extents_Winter 2013 To 2014	2014-01-09 2014-02-27	Main river	Channel capacity exceeded (no raised defences)	Fluvial

This data is sourced from the Environment Agency and Natural Resources Wales.

8.3 Flood Defences

Records within 250m	0
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Records of flood defences owned, managed or inspected by the Environment Agency and Natural Resources Wales. Flood defences can be structures, buildings or parts of buildings. Typically these are earth banks, stone and concrete walls, or sheet-piling that is used to prevent or control the extent of flooding.

This data is sourced from the Environment Agency and Natural Resources Wales.

8.4 Areas Benefiting from Flood Defences

Records within 250m	0
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Areas that would benefit from the presence of flood defences in a 1 in 100 (1%) chance of flooding each year from rivers or 1 in 200 (0.5%) chance of flooding each year from the sea.

This data is sourced from the Environment Agency and Natural Resources Wales.



8.5 Flood Storage Areas

Records within 250m

0

Areas that act as a balancing reservoir, storage basin or balancing pond to attenuate an incoming flood peak to a flow level that can be accepted by the downstream channel or to delay the timing of a flood peak so that its volume is discharged over a longer period.

This data is sourced from the Environment Agency and Natural Resources Wales.



River and coastal flooding - Flood Zones



- Site Outline
- Search buffers in metres (m)
- Flood zone 2
- Flood zone 3

8.6 Flood Zone 2

Records within 50m

1

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land between Flood Zone 3 (see next section) and the extent of the flooding from rivers or the sea with a 1 in 1000 (0.1%) chance of flooding each year.

Features are displayed on the River and coastal flooding map on **page 49**

Location	Type
On site	Zone 2 - (Fluvial /Tidal Models)

This data is sourced from the Environment Agency and Natural Resources Wales.



8.7 Flood Zone 3

Records within 50m

1

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each year from the sea.

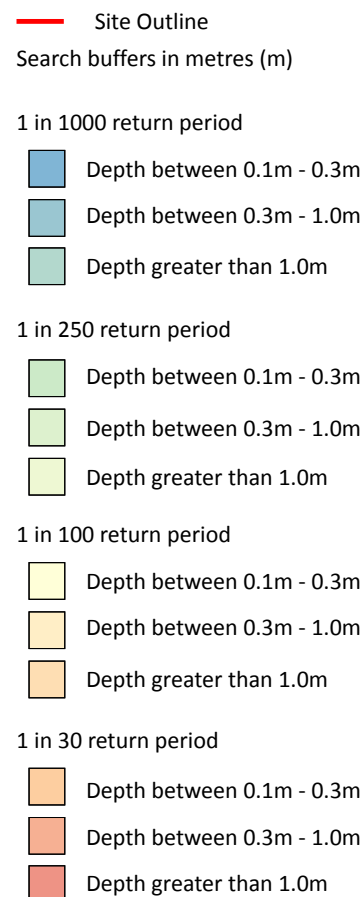
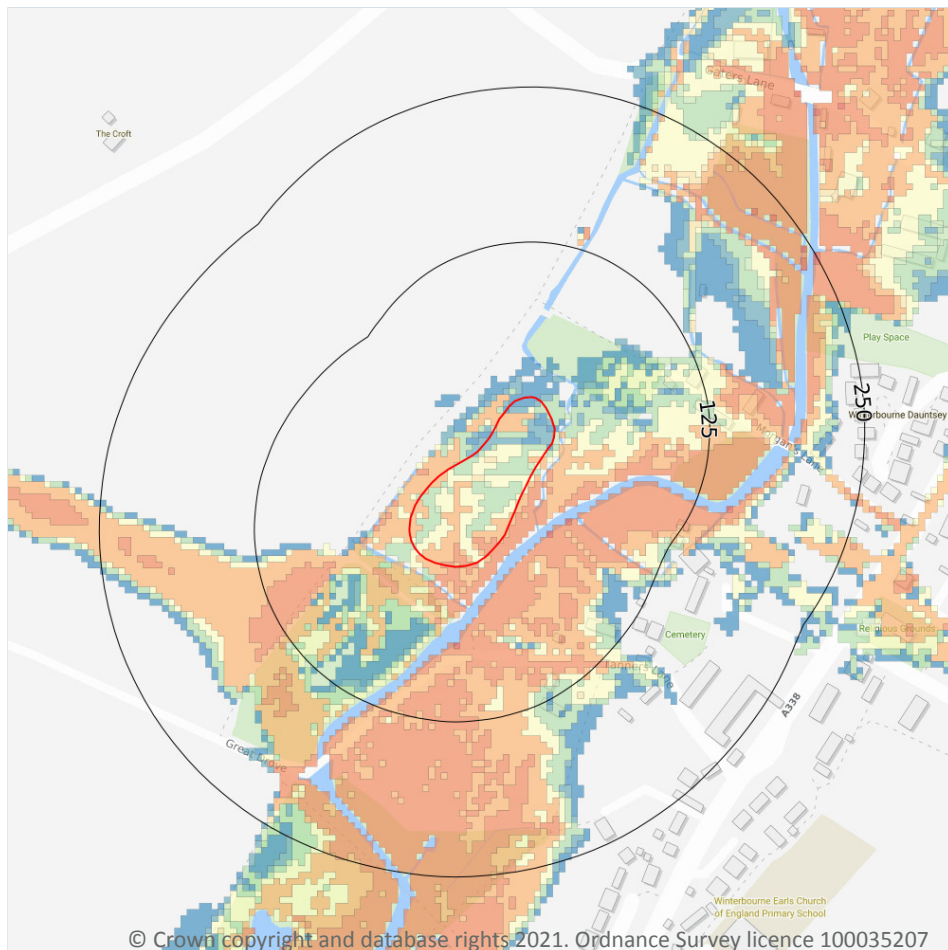
Features are displayed on the River and coastal flooding map on **page 49**

Location	Type
On site	Zone 3 - (Fluvial Models)

This data is sourced from the Environment Agency and Natural Resources Wales.



9 Surface water flooding



9.1 Surface water flooding

Highest risk on site

1 in 30 year, 0.3m - 1.0m

Highest risk within 50m

1 in 30 year, Greater than 1.0m

Ambiental Risk Analytics surface water (pluvial) FloodMap identifies areas likely to flood as a result of extreme rainfall events, i.e. land naturally vulnerable to surface water ponding or flooding. This data set was produced by simulating 1 in 30 year, 1 in 100 year, 1 in 250 year and 1 in 1,000 year rainfall events. Modern urban drainage systems are typically built to cope with rainfall events between 1 in 20 and 1 in 30 years, though some older ones may flood in a 1 in 5 year rainfall event.

Features are displayed on the Surface water flooding map on **page 54**

The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on

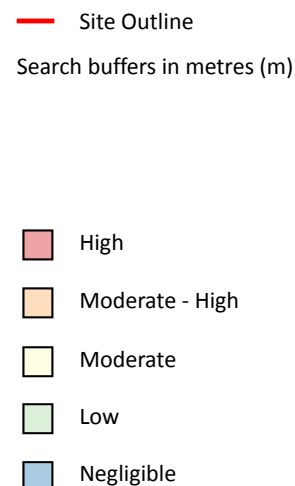
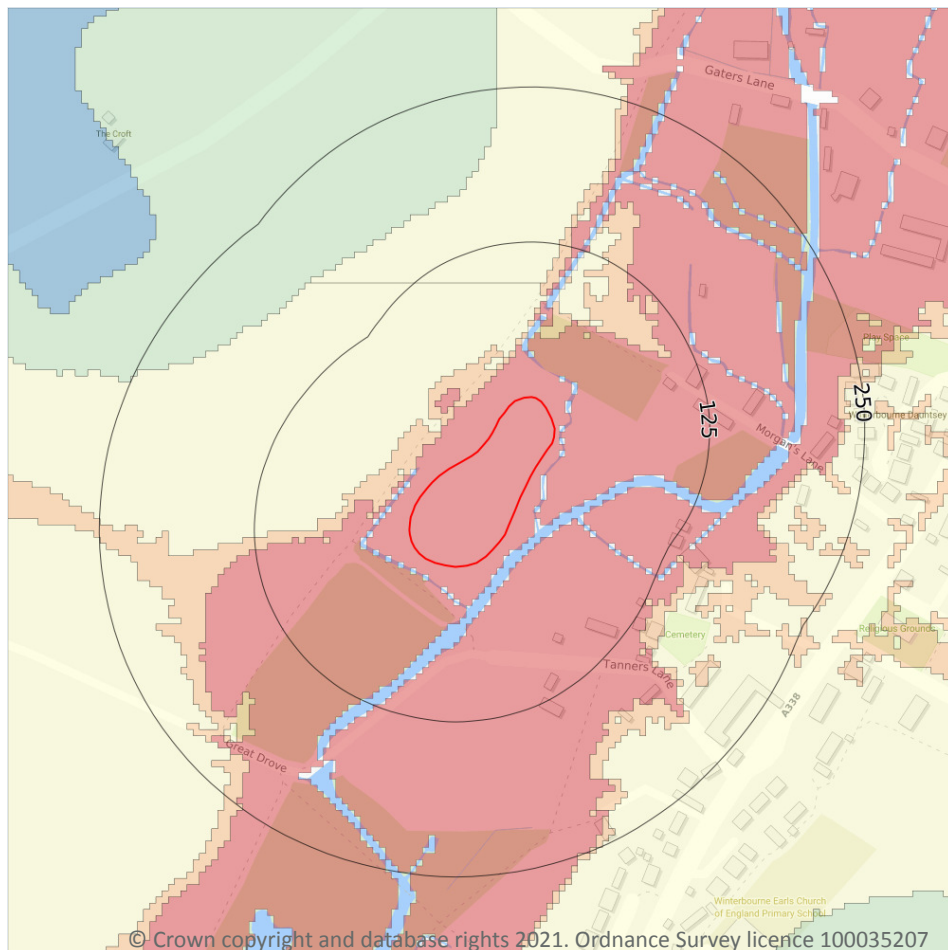
a site. The table below shows the maximum flood depths for a range of return periods for the site.

Return period	Maximum modelled depth
1 in 1000 year	Between 0.3m and 1.0m
1 in 250 year	Between 0.3m and 1.0m
1 in 100 year	Between 0.3m and 1.0m
1 in 30 year	Between 0.3m and 1.0m

This data is sourced from Ambiantal Risk Analytics.



10 Groundwater flooding



10.1 Groundwater flooding

Highest risk on site

High

Highest risk within 50m

High

Groundwater flooding is caused by unusually high groundwater levels. It occurs when the water table rises above the ground surface or within underground structures such as basements or cellars. Groundwater flooding tends to exhibit a longer duration than surface water flooding, possibly lasting for weeks or months, and as a result it can cause significant damage to property. This risk assessment is based on a 1 in 100 year return period and a 5m Digital Terrain Model (DTM).

Features are displayed on the Groundwater flooding map on **page 56**

This data is sourced from Ambiantal Risk Analytics.

11 Environmental designations



- Site Outline
- Search buffers in metres (m)
- / Sites of Special Scientific Interest (SSSI)
- + Special Areas of Conservation (SAC)

11.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

6

Sites providing statutory protection for the best examples of UK flora, fauna, or geological or physiographical features. Originally notified under the National Parks and Access to the Countryside Act 1949, SSSIs were re-notified under the Wildlife and Countryside Act 1981. Improved provisions for the protection and management of SSSIs were introduced by the Countryside and Rights of Way Act 2000 (in England and Wales) and (in Scotland) by the Nature Conservation (Scotland) Act 2004 and the Wildlife and Natural Environment (Scotland) Act 2010.

Features are displayed on the Environmental designations map on **page 57**

ID	Location	Name	Data source
1	178m SW	River Avon System	Natural England



ID	Location	Name	Data source
A	1009m NE	River Avon System	Natural England
B	1247m NE	Porton Meadows	Natural England
-	1574m NE	Porton Meadows	Natural England
-	1633m SE	Figsbury Ring	Natural England
-	1653m SE	Bracknell Croft	Natural England

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

11.2 Conserved wetland sites (Ramsar sites)

Records within 2000m

0

Ramsar sites are designated under the Convention on Wetlands of International Importance, agreed in Ramsar, Iran, in 1971. They cover all aspects of wetland conservation and wise use, recognizing wetlands as ecosystems that are extremely important for biodiversity conservation in general and for the well-being of human communities. These sites cover a broad definition of wetland; marsh, fen, peatland or water, whether natural or artificial, permanent or temporary, with water that is static or flowing, fresh, brackish or salt, and even some marine areas.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

11.3 Special Areas of Conservation (SAC)

Records within 2000m

4

Areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive.

Features are displayed on the Environmental designations map on **page 57**

ID	Location	Name	Features of interest	Habitat description	Data source
2	178m SW	River Avon	Rivers with floating vegetation often dominated by water-crowfoot; Calcium-rich springwater-fed fens; Alder woodland on floodplains; Sea lamprey; Brook lamprey; Atlantic salmon; Bullhead; Desmoulin's whorl snail; White-clawed (or Atlantic stream) crayfish; Otter.	Bogs, Marshes, Water fringed vegetation, Fens; Heath, Scrub, Maquis and Garrigue, Phygrana; Inland water bodies (Standing water, Running water); Broad-leaved deciduous woodland	Natural England

ID	Location	Name	Features of interest	Habitat description	Data source
A	1009m NE	River Avon	Rivers with floating vegetation often dominated by water-crowfoot; Calcium-rich springwater-fed fens; Alder woodland on floodplains; Sea lamprey; Brook lamprey; Atlantic salmon; Bullhead; Desmoulin's whorl snail; White-clawed (or Atlantic stream) crayfish; Otter.	Bogs, Marshes, Water fringed vegetation, Fens; Heath, Scrub, Maquis and Garrigue, Phygrana; Inland water bodies (Standing water, Running water); Broad-leaved deciduous woodland	Natural England
B	1247m NE	River Avon	Rivers with floating vegetation often dominated by water-crowfoot; Calcium-rich springwater-fed fens; Alder woodland on floodplains; Sea lamprey; Brook lamprey; Atlantic salmon; Bullhead; Desmoulin's whorl snail; White-clawed (or Atlantic stream) crayfish; Otter.	Bogs, Marshes, Water fringed vegetation, Fens; Heath, Scrub, Maquis and Garrigue, Phygrana; Inland water bodies (Standing water, Running water); Broad-leaved deciduous woodland	Natural England
-	1407m S	River Avon	Rivers with floating vegetation often dominated by water-crowfoot; Calcium-rich springwater-fed fens; Alder woodland on floodplains; Sea lamprey; Brook lamprey; Atlantic salmon; Bullhead; Desmoulin's whorl snail; White-clawed (or Atlantic stream) crayfish; Otter.	Bogs, Marshes, Water fringed vegetation, Fens; Heath, Scrub, Maquis and Garrigue, Phygrana; Inland water bodies (Standing water, Running water); Broad-leaved deciduous woodland	Natural England

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

11.4 Special Protection Areas (SPA)

Records within 2000m

0

Sites classified by the UK Government under the EC Birds Directive, SPAs are areas of the most important habitat for rare (listed on Annex I to the Directive) and migratory birds within the European Union.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

11.5 National Nature Reserves (NNR)

Records within 2000m

0

Sites containing examples of some of the most important natural and semi-natural terrestrial and coastal ecosystems in Great Britain. They are managed to conserve their habitats, provide special opportunities for scientific study or to provide public recreation compatible with natural heritage interests.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.



11.6 Local Nature Reserves (LNR)

Records within 2000m**0**

Sites managed for nature conservation, and to provide opportunities for research and education, or simply enjoying and having contact with nature. They are declared by local authorities under the National Parks and Access to the Countryside Act 1949 after consultation with the relevant statutory nature conservation agency.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

11.7 Designated Ancient Woodland

Records within 2000m**0**

Ancient woodlands are classified as areas which have been wooded continuously since at least 1600 AD. This includes semi-natural woodland and plantations on ancient woodland sites. 'Wooded continuously' does not mean there is or has previously been continuous tree cover across the whole site, and not all trees within the woodland have to be old.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

11.8 Biosphere Reserves

Records within 2000m**0**

Biosphere Reserves are internationally recognised by UNESCO as sites of excellence to balance conservation and socioeconomic development between nature and people. They are recognised under the Man and the Biosphere (MAB) Programme with the aim of promoting sustainable development founded on the work of the local community.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

11.9 Forest Parks

Records within 2000m**0**

These are areas managed by the Forestry Commission designated on the basis of recreational, conservation or scenic interest.

This data is sourced from the Forestry Commission.



11.10 Marine Conservation Zones

Records within 2000m**0**

A type of marine nature reserve in UK waters established under the Marine and Coastal Access Act (2009). They are designated with the aim to protect nationally important, rare or threatened habitats and species.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

11.11 Green Belt

Records within 2000m**0**

Areas designated to prevent urban sprawl by keeping land permanently open.

This data is sourced from the Ministry of Housing, Communities and Local Government.

11.12 Proposed Ramsar sites

Records within 2000m**0**

Ramsar sites are areas listed as a Wetland of International Importance under the Convention on Wetlands of International Importance especially as Waterfowl Habitat (the Ramsar Convention) 1971. The sites here supplied have a status of 'Proposed' having been identified for potential adoption under the framework.

This data is sourced from Natural England.

11.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m**0**

Special Areas of Conservation are areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive. Those sites supplied here are those with a status of 'Possible' having been identified for potential adoption under the framework.

This data is sourced from Natural England and Natural Resources Wales.

11.14 Potential Special Protection Areas (pSPA)

Records within 2000m**0**

Special Protection Areas (SPAs) are areas designated (or 'classified') under the European Union Wild Birds Directive for the protection of nationally and internationally important populations of wild birds. Those sites supplied here are those with a status of 'Potential' having been identified for potential adoption under the framework.

This data is sourced from Natural England.



11.15 Nitrate Sensitive Areas

Records within 2000m**0**

Areas where nitrate concentrations in drinking water sources exceeded or was at risk of exceeding the limit of 50 mg/l set by the 1980 EC Drinking Water Directive. Voluntary agricultural measures as a means of reducing the levels of nitrate were introduced by DEFRA as MAFF, with payments being made to farmers who complied. The scheme was started as a pilot in 1990 in ten areas, later implemented within 32 areas. The scheme was closed to further new entrants in 1998, although existing agreements continued for their full term. All Nitrate Sensitive Areas fell within the areas designated as Nitrate Vulnerable Zones (NVZs) in 1996 under the EC Nitrate Directive (91/676/EEC).

This data is sourced from Natural England.

11.16 Nitrate Vulnerable Zones

Records within 2000m**2**

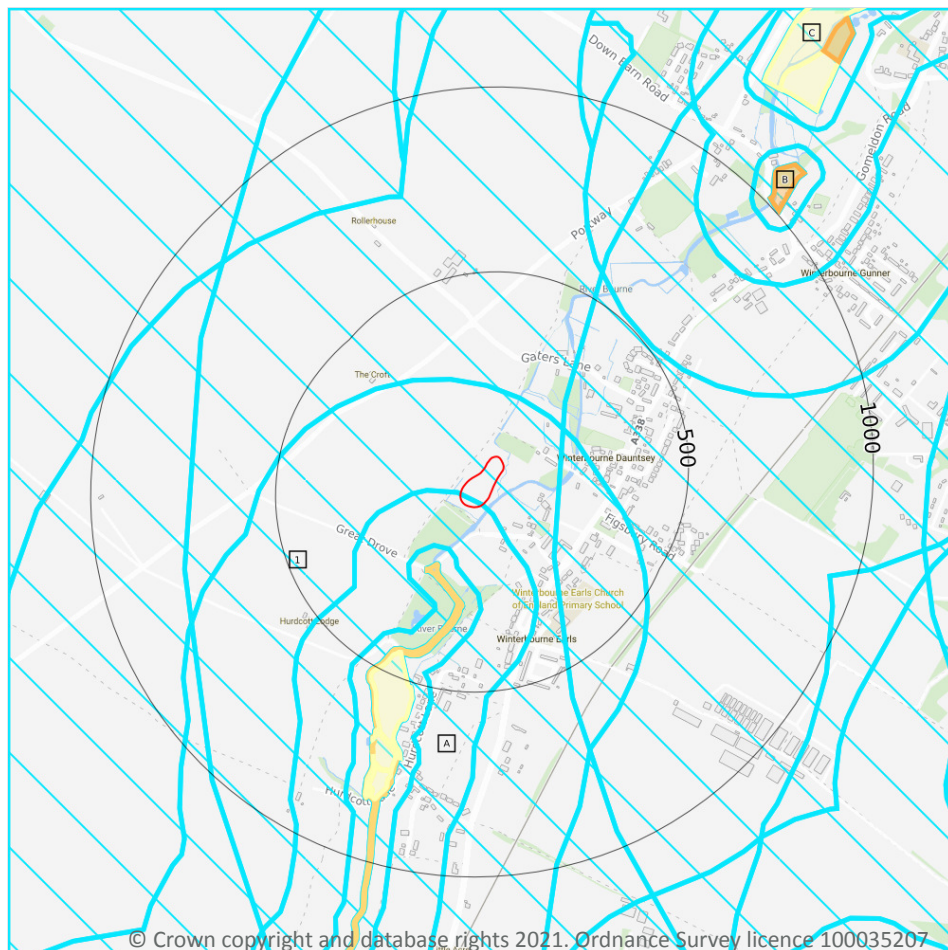
Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
On site	South Wessex	Groundwater	G151	Changed
1305m N	South Wessex	Groundwater	G151	Changed

This data is sourced from Natural England and Natural Resources Wales.



SSSI Impact Zones and Units



- Site Outline
- Search buffers in metres (m)
- SSSI Impact Risk Zones
- SSSI Units
- Not recorded
- Favourable
- Unfavourable - Recovering
- Unfavourable - No change
- Unfavourable - Declining
- Partially destroyed
- Destroyed

11.17 SSSI Impact Risk Zones

Records on site

2

Developed to allow rapid initial assessment of the potential risks to SSSIs posed by development proposals. They define zones around each SSSI which reflect the particular sensitivities of the features for which it is notified and indicate the types of development proposal which could potentially have adverse impacts.

Features are displayed on the SSSI Impact Zones and Units map on **page 63**

ID	Location	Type of developments requiring consultation
1	On site	Infrastructure - Pipelines, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals Wind and Solar - Wind turbines. Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction. Rural non-residential - Large non residential developments outside existing settlements/urban areas where net additional gross internal floorspace is > 1,000m² or footprint exceeds 0.2ha Residential - Residential development of 100 units or more. Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas. Air pollution - Any development that could cause AIR POLLUTION (incl: industrial/commercial processes, livestock & poultry units, slurry lagoons/manure stores). Combustion - All general combustion processes. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion. Waste - Mechanical and biological waste treatment, inert landfill, non-hazardous landfill, hazardous landfill, household civic amenity recycling facilities construction, demolition and excavation waste, other waste management Composting - Any composting proposal. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management. Discharges - Any discharge of water or liquid waste that is discharged to ground (ie to seep away) or to surface water, such as a beck or stream (NB this does not include discharges to mains sewer which are unlikely to pose a risk at this location). Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is > 1,000m² or any development needing its own water supply
A	On site	Infrastructure - Pipelines, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals Wind and Solar - Wind turbines. Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction. Rural non-residential - Large non residential developments outside existing settlements/urban areas where net additional gross internal floorspace is > 1,000m² or footprint exceeds 0.2ha Residential - Residential development of 50 units or more. Rural residential - Any residential development of 10 or more houses outside existing settlements/urban areas. Air pollution - Any development that could cause AIR POLLUTION or DUST either in its construction or operation (incl: industrial/commercial processes, livestock & poultry units, slurry lagoons/manure stores). Combustion - All general combustion processes. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion. Waste - Mechanical and biological waste treatment, inert landfill, non-hazardous landfill, hazardous landfill, household civic amenity recycling facilities construction, demolition and excavation waste, other waste management Composting - Any composting proposal. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management. Discharges - Any discharge of water or liquid waste that is discharged to ground (ie to seep away) or to surface water, such as a beck or stream (NB this does not include discharges to mains sewer which are unlikely to pose a risk at this location). Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is > 1,000m² or any development needing its own water supply



This data is sourced from Natural England.

11.18 SSSI Units

Records within 2000m

17

Divisions of SSSIs used to record management and condition details. Units are the smallest areas for which Natural England gives a condition assessment, however, the size of units varies greatly depending on the types of management and the conservation interest.

Features are displayed on the SSSI Impact Zones and Units map on **page 63**

ID: 4
 Location: 178m SW
 SSSI name: River Avon System
 Unit name: River Bourne (Formerly Unit 43)
 Broad habitat: Rivers And Streams
 Condition: Unfavourable - No change
 Reportable features:

Feature name	Feature condition	Date of assessment
H3260 Water courses of plain to montane levels with R. fluitantis	Unfavourable - No change	29/03/2010
Rivers and Streams	Unfavourable - No change	01/10/2010
S1016 Desmoulin's whorl snail, Vertigo moulinsiana	Unfavourable - Declining	29/03/2010
S1096 Brook lamprey, Lampetra planeri	Favourable	29/03/2010
S1106 Atlantic salmon, Salmo salar	Unfavourable - Declining	29/03/2010
S1163 Bullhead, Cottus gobio	Favourable	29/03/2010

ID: A
 Location: 435m SW
 SSSI name: River Avon System
 Unit name: Hurdcott
 Broad habitat: Fen, Marsh And Swamp - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
S1016 Desmoulin's whorl snail, Vertigo moulinsiana	Unfavourable - Recovering	29/03/2010



ID: A
 Location: 653m S
 SSSI name: River Avon System
 Unit name: Hurdcott
 Broad habitat: Fen, Marsh And Swamp - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
S1016 Desmoulin's whorl snail, <i>Vertigo moulinsiana</i>	Unfavourable - Recovering	29/03/2010

ID: A
 Location: 696m S
 SSSI name: River Avon System
 Unit name: River Bourne (Formerly Unit 43)
 Broad habitat: Rivers And Streams
 Condition: Unfavourable - No change
 Reportable features:

Feature name	Feature condition	Date of assessment
H3260 Water courses of plain to montane levels with <i>R. fluitantis</i>	Unfavourable - No change	29/03/2010
Rivers and Streams	Unfavourable - No change	01/10/2010
S1016 Desmoulin's whorl snail, <i>Vertigo moulinsiana</i>	Unfavourable - Declining	29/03/2010
S1096 Brook lamprey, <i>Lampetra planeri</i>	Favourable	29/03/2010
S1106 Atlantic salmon, <i>Salmo salar</i>	Unfavourable - Declining	29/03/2010
S1163 Bullhead, <i>Cottus gobio</i>	Favourable	29/03/2010

ID: A
 Location: 742m S
 SSSI name: River Avon System
 Unit name: Hurdcott
 Broad habitat: Fen, Marsh And Swamp - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
S1016 Desmoulin's whorl snail, <i>Vertigo moulinsiana</i>	Unfavourable - Recovering	29/03/2010

ID: B
 Location: 1009m NE
 SSSI name: River Avon System
 Unit name: Winterbourne Gunner Swamp
 Broad habitat: Fen, Marsh And Swamp - Lowland
 Condition: Unfavourable - Declining
 Reportable features:

Feature name	Feature condition	Date of assessment
S1016 Desmoulin's whorl snail, Vertigo moulinsiana	Unfavourable - Declining	29/03/2010

ID: C
 Location: 1247m NE
 SSSI name: Porton Meadows
 Unit name: Southern Fen/meadow Right Bank
 Broad habitat: Neutral Grassland - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Floodplain fen (lowland)	Unfavourable - Recovering	30/01/2014
Lowland neutral grassland (MG8)	Unfavourable - Recovering	04/07/2013
Population of RDB mollusc - Vertigo moulinsiana, Desmoulin's Whorl Snail	Unfavourable - Recovering	04/07/2013
S1016 Desmoulin's whorl snail, Vertigo moulinsiana	Unfavourable - Recovering	04/07/2013

ID: C
 Location: 1253m NE
 SSSI name: Porton Meadows
 Unit name: Southern Meadow Left Bank
 Broad habitat: Neutral Grassland - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Floodplain fen (lowland)	Unfavourable - Recovering	05/07/2013
Lowland neutral grassland (MG8)	Unfavourable - Recovering	05/07/2013

ID: C
 Location: 1408m NE
 SSSI name: Porton Meadows
 Unit name: Small Fen/mg8
 Broad habitat: Neutral Grassland - Lowland
 Condition: Unfavourable - Declining
 Reportable features:

Feature name	Feature condition	Date of assessment
Floodplain fen (lowland)	Unfavourable - No change	05/07/2013
Lowland neutral grassland (MG8)	Unfavourable - Declining	05/07/2013
Population of RDB mollusc - Vertigo moulinsiana, Desmoulin's Whorl Snail	Unfavourable - No change	05/07/2013
S1016 Desmoulin's whorl snail, Vertigo moulinsiana	Unfavourable - No change	05/07/2013

ID: -
 Location: 1550m NE
 SSSI name: Porton Meadows
 Unit name: Wet Woodland & Scrub
 Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
 Condition: Unfavourable - No change
 Reportable features:

Feature name	Feature condition	Date of assessment
Floodplain fen (lowland)	Unfavourable - No change	30/01/2014

ID: -
 Location: 1574m NE
 SSSI name: Porton Meadows
 Unit name: Swamp Area With Des
 Broad habitat: Fen, Marsh And Swamp - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Floodplain fen (lowland)	Unfavourable - Recovering	04/07/2013
Population of RDB mollusc - Vertigo moulinsiana, Desmoulin's Whorl Snail	Unfavourable - Recovering	04/07/2013

ID: -
Location: 1590m NE
SSSI name: Porton Meadows
Unit name: Southern Mg8 Area
Broad habitat: Neutral Grassland - Lowland
Condition: Unfavourable - Recovering
Reportable features:

Feature name	Feature condition	Date of assessment
Lowland neutral grassland (MG8)	Unfavourable - Recovering	04/07/2013

ID: -
Location: 1633m SE
SSSI name: Figsbury Ring
Unit name: Figbury Fort
Broad habitat: Calcareous Grassland - Lowland
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
Lowland calcareous grassland (CG3-5)	Favourable	24/07/2012
Nationally rare true fly species - Asilus crabroniformis, Hornet Robberfly	Favourable	24/07/2012
Populations of nationally scarce butterfly species - Polyommatus bellargus, Adonis Blue	Favourable	24/07/2012

ID: -
Location: 1636m NE
SSSI name: Porton Meadows
Unit name: Central Meadows
Broad habitat: Neutral Grassland - Lowland
Condition: Unfavourable - Recovering
Reportable features:

Feature name	Feature condition	Date of assessment
Floodplain fen (lowland)	Unfavourable - Recovering	04/07/2013
Lowland neutral grassland (MG8)	Unfavourable - Recovering	04/07/2013



ID: -
Location: 1653m SE
SSSI name: Bracknell Croft
Unit name: South
Broad habitat: Calcareous Grassland - Lowland
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
Lowland calcareous grassland (CG2)	Not Recorded	01/01/1900
Lowland calcareous grassland (CG3-5)	Not Recorded	01/01/1900
Scrub	Not Recorded	01/01/1900

ID: -
Location: 1669m SE
SSSI name: Bracknell Croft
Unit name: North
Broad habitat: Calcareous Grassland - Lowland
Condition: Unfavourable - Recovering
Reportable features:

Feature name	Feature condition	Date of assessment
Lowland calcareous grassland (CG2)	Unfavourable - No change	22/09/2011
Scrub	Unfavourable - No change	22/09/2011

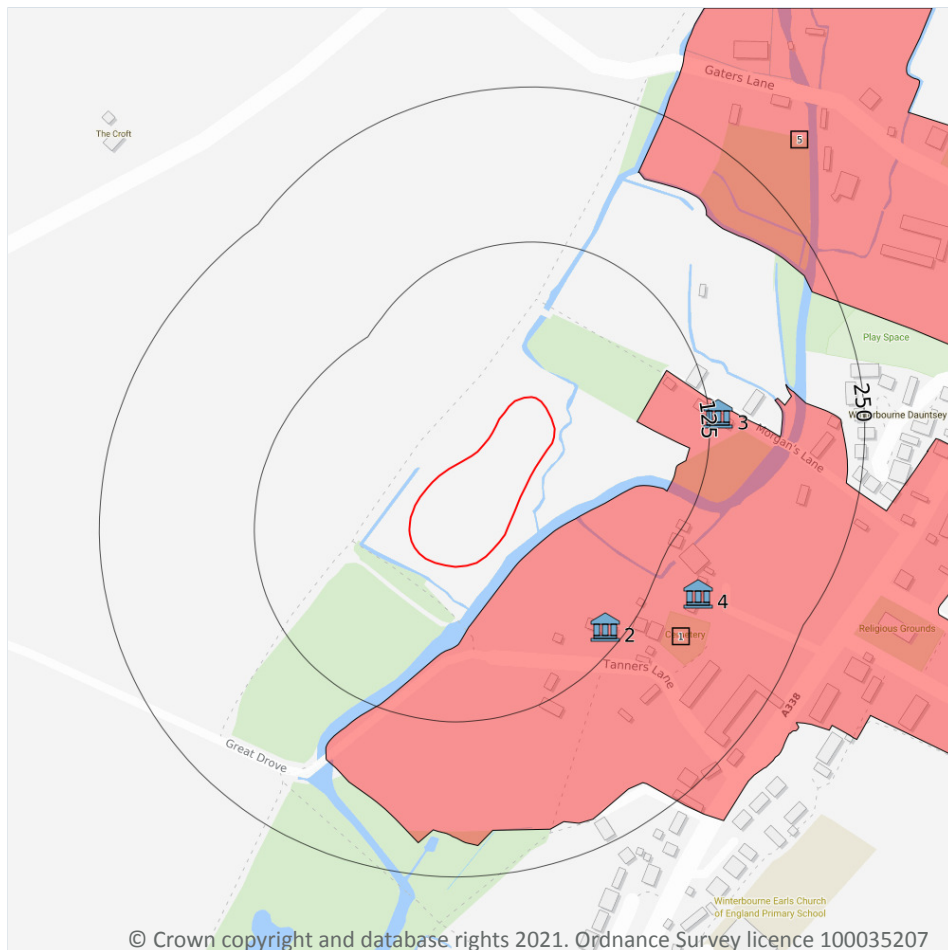
ID: -
Location: 1877m NE
SSSI name: Porton Meadows
Unit name: Meadow
Broad habitat: Neutral Grassland - Lowland
Condition: Unfavourable - Recovering
Reportable features:

Feature name	Feature condition	Date of assessment
Lowland neutral grassland (MG8)	Unfavourable - Recovering	05/07/2013

This data is sourced from Natural England and Natural Resources Wales.



12 Visual and cultural designations



- Site Outline
- Search buffers in metres (m)
- Listed buildings
- Conservation areas
- Conservation areas - no data
- National Parks
- Areas of Outstanding Natural Beauty
- Registered parks and gardens
- Scheduled Monuments
- World Heritage Sites

12.1 World Heritage Sites

Records within 250m

0

Sites designated for their globally important cultural or natural interest requiring appropriate management and protection measures. World Heritage Sites are designated to meet the UK's commitments under the World Heritage Convention.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

12.2 Area of Outstanding Natural Beauty

Records within 250m

0

Areas of Outstanding Natural Beauty (AONB) are conservation areas, chosen because they represent 18% of the finest countryside. Each AONB has been designated for special attention because of the quality of their flora, fauna, historical and cultural associations, and/or scenic views. The National Parks and Access to the Countryside Act of 1949 created AONBs and the Countryside and Rights of Way Act, 2000 added further regulation and protection. There are likely to be restrictions to some developments within these areas.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

12.3 National Parks

Records within 250m

0

In England and Wales, the purpose of National Parks is to conserve and enhance landscapes within the countryside whilst promoting public enjoyment of them and having regard for the social and economic well-being of those living within them. In Scotland National Parks have the additional purpose of promoting the sustainable use of the natural resources of the area and the sustainable social and economic development of its communities. The National Parks and Access to the Countryside Act 1949 established the National Park designation in England and Wales, and The National Parks (Scotland) Act 2000 in Scotland.

This data is sourced from Natural England, Natural Resources Wales and the Scottish Government.

12.4 Listed Buildings

Records within 250m

3

Buildings listed for their special architectural or historical interest. Building control in the form of 'listed building consent' is required in order to make any changes to that building which might affect its special interest. Listed buildings are graded to indicate their relative importance, however building controls apply to all buildings equally, irrespective of their grade, and apply to the interior and exterior of the building in its entirety, together with any curtilage structures.

Features are displayed on the Visual and cultural designations map on **page 71**

ID	Location	Name	Grade	Reference Number	Listed date
2	109m SE	Parsonage Mead, Winterbourne, Wiltshire, SP4	II	1184668	29/05/1987
3	132m E	Bourne Cottage Wedgwood And Adjoining Cottage, Winterbourne, Wiltshire,BOURNE COTTAGE	II	1130764	29/05/1987
4	162m SE	Manor Farmhouse, Winterbourne, Wiltshire, SP4	II	1130765	10/01/1953

This data is sourced from Historic England, Cadw and Historic Environment Scotland.



12.5 Conservation Areas

Records within 250m

2

Local planning authorities are obliged to designate as conservation areas any parts of their own area that are of special architectural or historic interest, the character and appearance of which it is desirable to preserve or enhance. Designation of a conservation area gives broader protection than the listing of individual buildings. All the features within the area, listed or otherwise, are recognised as part of its character. Conservation area designation is the means of recognising the importance of all factors and of ensuring that planning decisions address the quality of the landscape in its broadest sense.

Features are displayed on the Visual and cultural designations map on **page 71**

ID	Location	Name	District	Date of designation
1	22m SE	Winterbourne Earls	Wiltshire	unknown
5	197m NE	Winterbourne Dauntsey	Wiltshire	unknown

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

12.6 Scheduled Ancient Monuments

Records within 250m

0

A scheduled monument is an historic building or site that is included in the Schedule of Monuments kept by the Secretary of State for Digital, Culture, Media and Sport. The regime is set out in the Ancient Monuments and Archaeological Areas Act 1979. The Schedule of Monuments has c.20,000 entries and includes sites such as Roman remains, burial mounds, castles, bridges, earthworks, the remains of deserted villages and industrial sites. Monuments are not graded, but all are, by definition, considered to be of national importance.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

12.7 Registered Parks and Gardens

Records within 250m

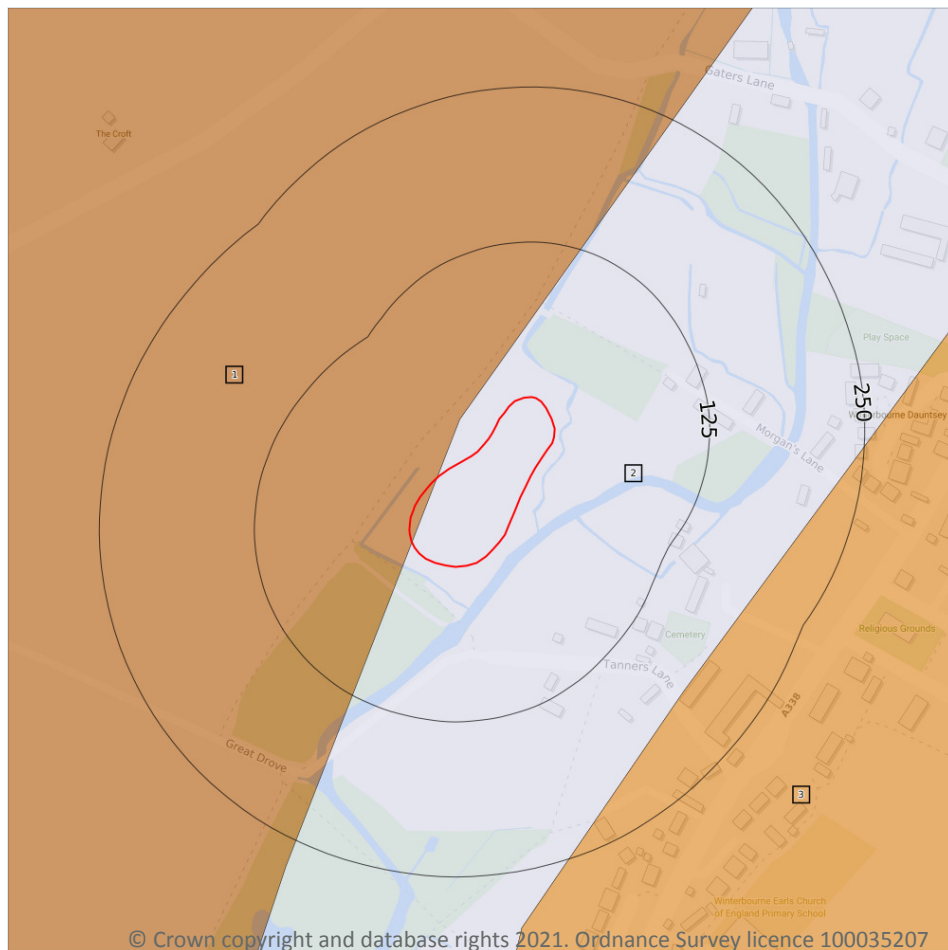
0

Parks and gardens assessed to be of particular interest and of special historic interest. The emphasis being on 'designed' landscapes, rather than on planting or botanical importance. Registration is a 'material consideration' in the planning process, meaning that planning authorities must consider the impact of any proposed development on the special character of the landscape.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.



13 Agricultural designations



- Site Outline
- Search buffers in metres (m)
- Grade 1 - excellent quality
- Grade 2 - very good quality
- Grade 3 - good to moderate quality
- Grade 3a - good quality
- Grade 3b - moderate quality
- Grade 4 - poor quality
- Grade 5 - very poor quality
- Non-agricultural land
- Urban land
- Exclusion land
- Tree felling licences
- Open Access land

13.1 Agricultural Land Classification

Records within 250m

3

Classification of the quality of agricultural land taking into consideration multiple factors including climate, physical geography and soil properties. It should be noted that the categories for the grading of agricultural land are not consistent across England, Wales and Scotland.

Features are displayed on the Agricultural designations map on **page 74**

ID	Location	Classification	Description
1	On site	Grade 2	Very good quality agricultural land. Land with minor limitations which affect crop yield, cultivations or harvesting. A wide range of agricultural and horticultural crops can usually be grown but on some land in the grade there may be reduced flexibility due to difficulties with the production of the more demanding crops such as winter harvested vegetables and arable root crops. The level of yield is generally high but may be lower or more variable than Grade 1.
2	On site	Grade 4	Poor quality agricultural land. Land with severe limitations which significantly restrict the range of crops and/or level of yields. It is mainly suited to grass with occasional arable crops (e.g. cereals and forage crops) the yields of which are variable. In moist climates, yields of grass may be moderate to high but there may be difficulties in utilisation. The grade also includes very droughty arable land.
3	191m SE	Grade 3	Good to moderate quality agricultural land. Land with moderate limitations which affect the choice of crops, timing and type of cultivation, harvesting or the level of yield. Where more demanding crops are grown yields are generally lower or more variable than on land in Grades 1 and 2.

This data is sourced from Natural England.

13.2 Open Access Land

Records within 250m

0

The Countryside and Rights of Way Act 2000 (CROW Act) gives a public right of access to land without having to use paths. Access land includes mountains, moors, heaths and downs that are privately owned. It also includes common land registered with the local council and some land around the England Coast Path. Generally permitted activities on access land are walking, running, watching wildlife and climbing.

This data is sourced from Natural England and Natural Resources Wales.

13.3 Tree Felling Licences

Records within 250m

0

Felling Licence Application (FLA) areas approved by Forestry Commission England. Anyone wishing to fell trees must ensure that a licence or permission under a grant scheme has been issued by the Forestry Commission before any felling is carried out or that one of the exceptions apply.

This data is sourced from the Forestry Commission.

13.4 Environmental Stewardship Schemes

Records within 250m**0**

Environmental Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. The schemes identified may be historical schemes that have now expired, or may still be active.

This data is sourced from Natural England.

13.5 Countryside Stewardship Schemes

Records within 250m**3**

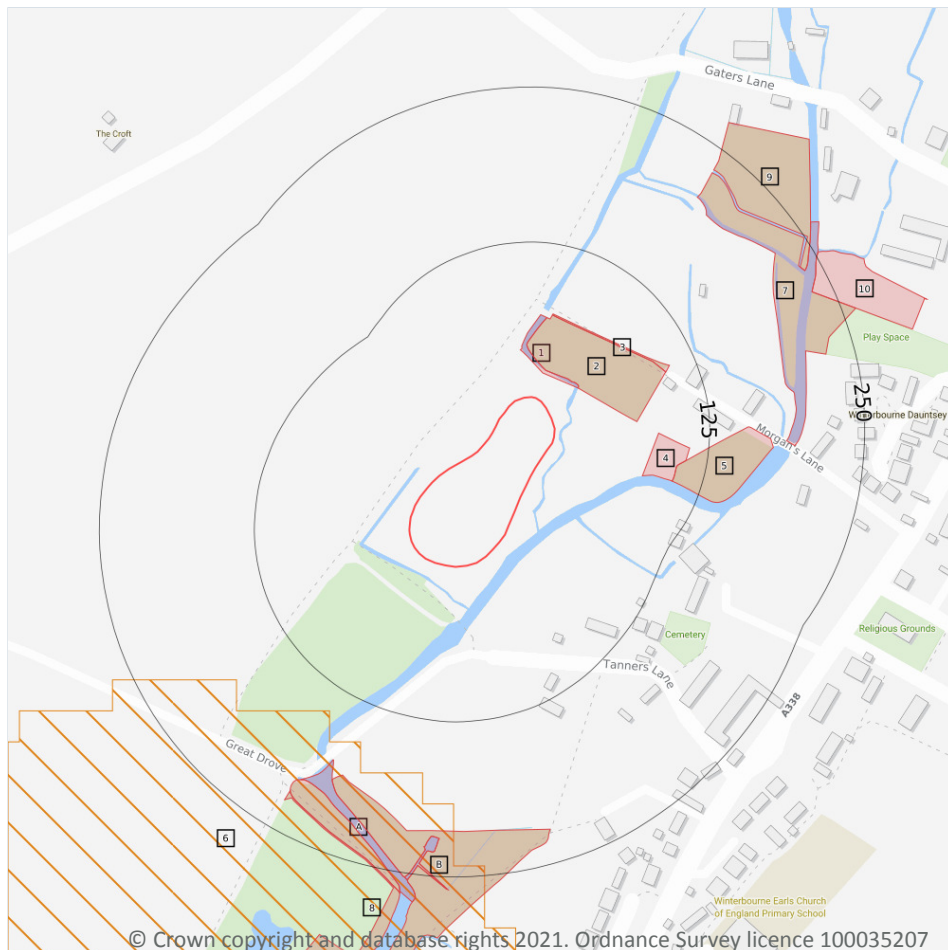
Countryside Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. Main objectives are to improve the farmed environment for wildlife and to reduce diffuse water pollution.

Location	Reference	Scheme	Start Date	End Date
15m NW	1047000	Countryside Stewardship (Middle Tier)	01/01/2021	31/12/2025
49m E	353259	Countryside Stewardship (Middle Tier)	01/01/2017	31/12/2021
78m S	353259	Countryside Stewardship (Middle Tier)	01/01/2017	31/12/2021

This data is sourced from Natural England.



14 Habitat designations



- Site Outline
- Search buffers in metres (m)
- Priority Habitat Inventory
- Open Mosaic Habitat
- Limestone Pavement Orders
- Habitat Networks
- Primary Habitat
- Restorable Habitat
- Associated Habitats
- Habitat Restoration-Creation
- Network Enhancement Zone 1
- Network Enhancement Zone 2

14.1 Priority Habitat Inventory

Records within 250m

13

Habitats of principal importance as named under Natural Environment and Rural Communities Act (2006) Section 41.

Features are displayed on the Habitat designations map on **page 77**

ID	Location	Main Habitat	Other habitats
1	21m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
2	24m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
3	66m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
4	77m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)



ID	Location	Main Habitat	Other habitats
5	101m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	178m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
B	187m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
7	187m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	203m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
8	216m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
B	218m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
9	223m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
10	234m NE	No main habitat but additional habitats present	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.

14.2 Habitat Networks

Records within 250m

1

Habitat networks for 18 priority habitat networks (based primarily, but not exclusively, on the priority habitat inventory) and areas suitable for the expansion of networks through restoration and habitat creation.

Features are displayed on the Habitat designations map on **page 77**

ID	Location	Type	Habitat
6	145m SW	Network Enhancement Zone 1	Not specified

This data is sourced from Natural England.

14.3 Open Mosaic Habitat

Records within 250m

0

Sites verified as Open Mosaic Habitat. Mosaic habitats are brownfield sites that are identified under the UK Biodiversity Action Plan as a priority habitat due to the habitat variation within a single site, supporting an array of invertebrates.

This data is sourced from Natural England.



14.4 Limestone Pavement Orders

Records within 250m

0

Limestone pavements are outcrops of limestone where the surface has been worn away by natural means over millennia. These rocks have the appearance of paving blocks, hence their name. Not only do they have geological interest, they also provide valuable habitats for wildlife. These habitats are threatened due to their removal for use in gardens and water features. Many limestone pavements have been designated as SSSIs which affords them some protection. In addition, Section 34 of the Wildlife and Countryside Act 1981 gave them additional protection via the creation of Limestone Pavement Orders, which made it a criminal offence to remove any part of the outcrop. The associated Limestone Pavement Priority Habitat is part of the UK Biodiversity Action Plan priority habitat in England.

This data is sourced from Natural England.



Data providers

Groundsure works with respected data providers to bring you the most relevant and accurate information. To find out who they are and their areas of expertise see <https://www.groundsure.com/sources-reference>.

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