Green Hill Solar Farm
EN010170

Environmental Statement
Appendix 10.2: Flood Risk Assessment and Drainage Strategy
Annex A: Green Hill Cable Route Corridor
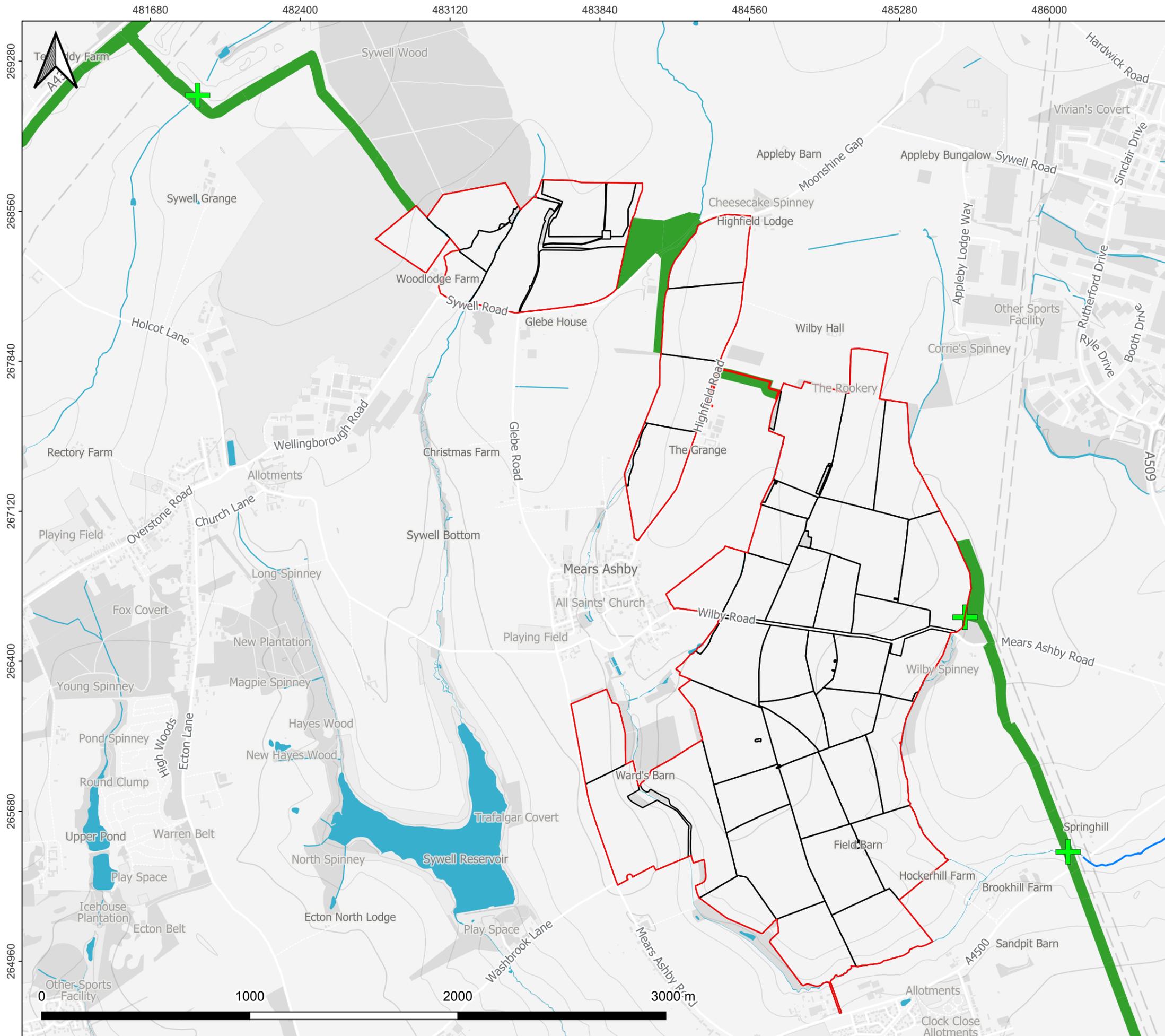## Revision A
(Part 2 of 2)

Prepared by: Arthian

Date: February 2026
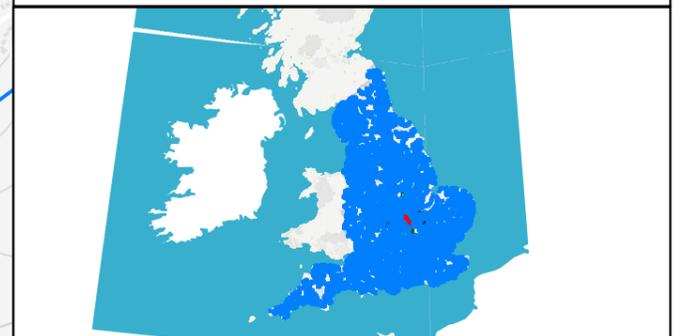
Document Reference: EX5/GH6.3.10.2_A

APFP Regulation 5(2)(e)

Schedule of Changes

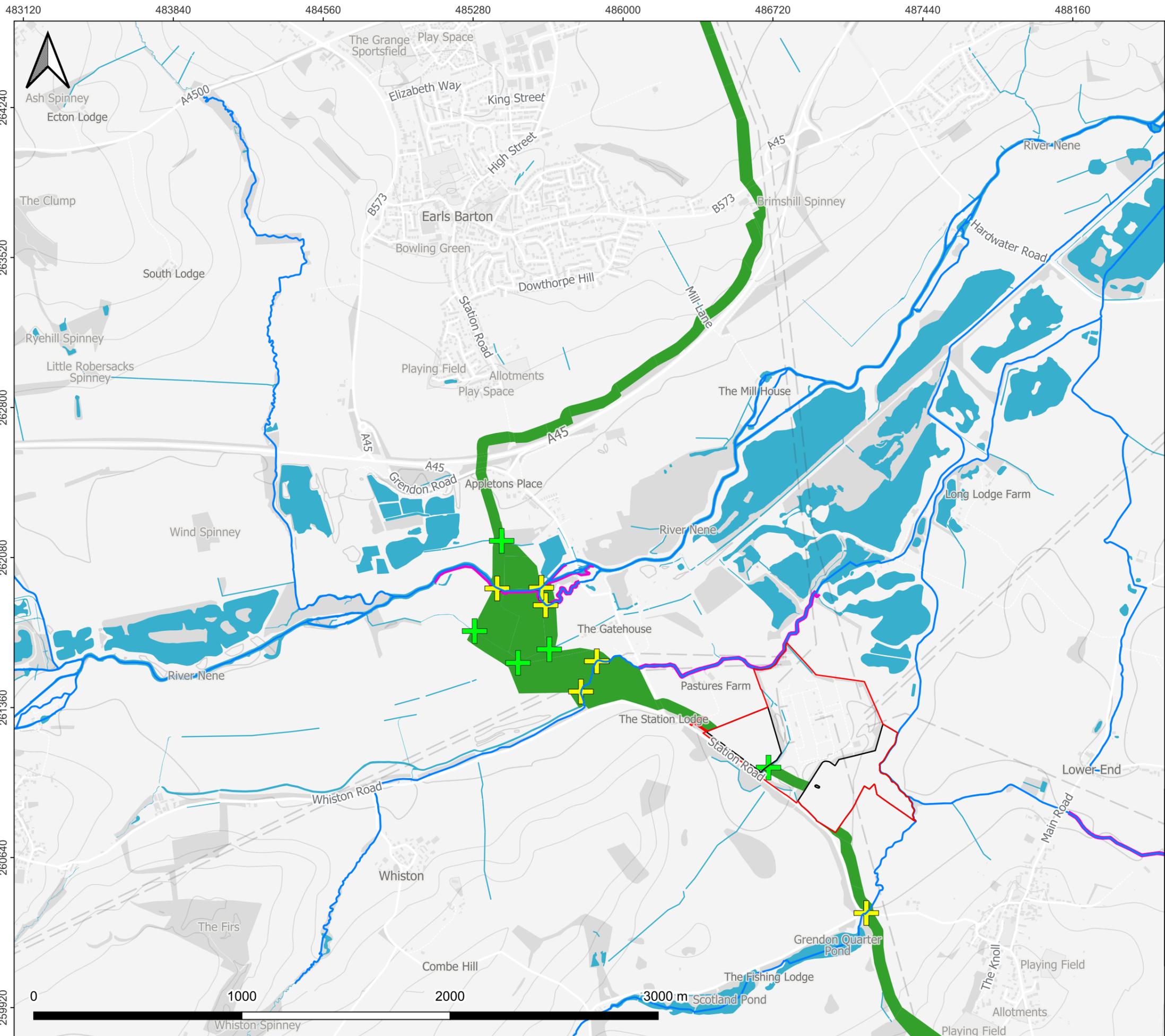| Revision	Section Reference	Description of Changes	Reason for Revision
A	[cover]	Updated to Revision A	As required for submission at Deadline 5.
	[throughout]	Updates to document references	As required for submission at Deadline 5.
	Paragraph 2.2.3 – 2.2.4 Paragraph 2.8.3 Paragraph 2.9.2	Updates to reference the Wilby Flood Storage Area and outline mitigation measures.	In response to ongoing discussions with the Environment Agency

Legend

Order Limits

☐ Site Boundary

☐ Individual Field Boundaries

Topographical Features

— Main Rivers

Cable Route Watercourse Crossing Locations

✚ Main River Crossing

✚ Ordinary Watercourse Crossing

Other Features

— AIMS Flood Defences

■ Cable Route Corridor (50m buffer)

Arthian

Project Reference:

Green Hill Solar Scheme

Client:

Green Hill Solar Farm Ltd.

Drawing Title:

Watercourse Crossings - Green Hill BESS

Drawing Name: 313532_Watercourse-Crossing-BESS		Revision: A	Date: 07 May 2025
Drawing Scale (A3): 1:18000	Drawing Status: Final	Drawn: IR	Checked: JR	Approved: JR

Legend

Order Limits

▭ Site Boundary

▭ Individual Field Boundaries

Topographical Features

— Main Rivers

Cable Route Watercourse Crossing Locations

✚ Main River Crossing

✚ Ordinary Watercourse Crossing

Other Features

— AIMS Flood Defences

▮ Cable Route Corridor (50m buffer)

0   1000   2000   3000 m

Legend

Order Limits

▭ Site Boundary

▭ Individual Field Boundaries

Topographical Features

— Main Rivers

Cable Route Watercourse Crossing Locations

✚ Main River Crossing

✚ Ordinary Watercourse Crossing

Other Features
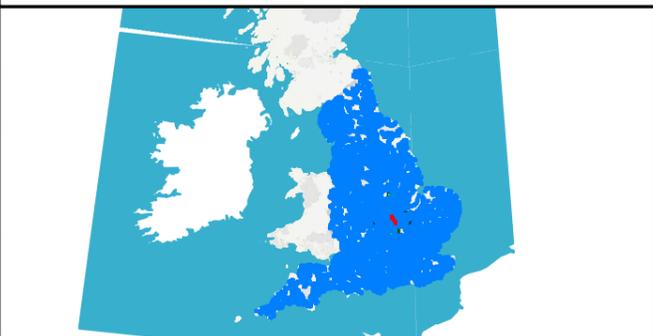
— AIMS Flood Defences

▬ Cable Route Corridor (50m buffer)
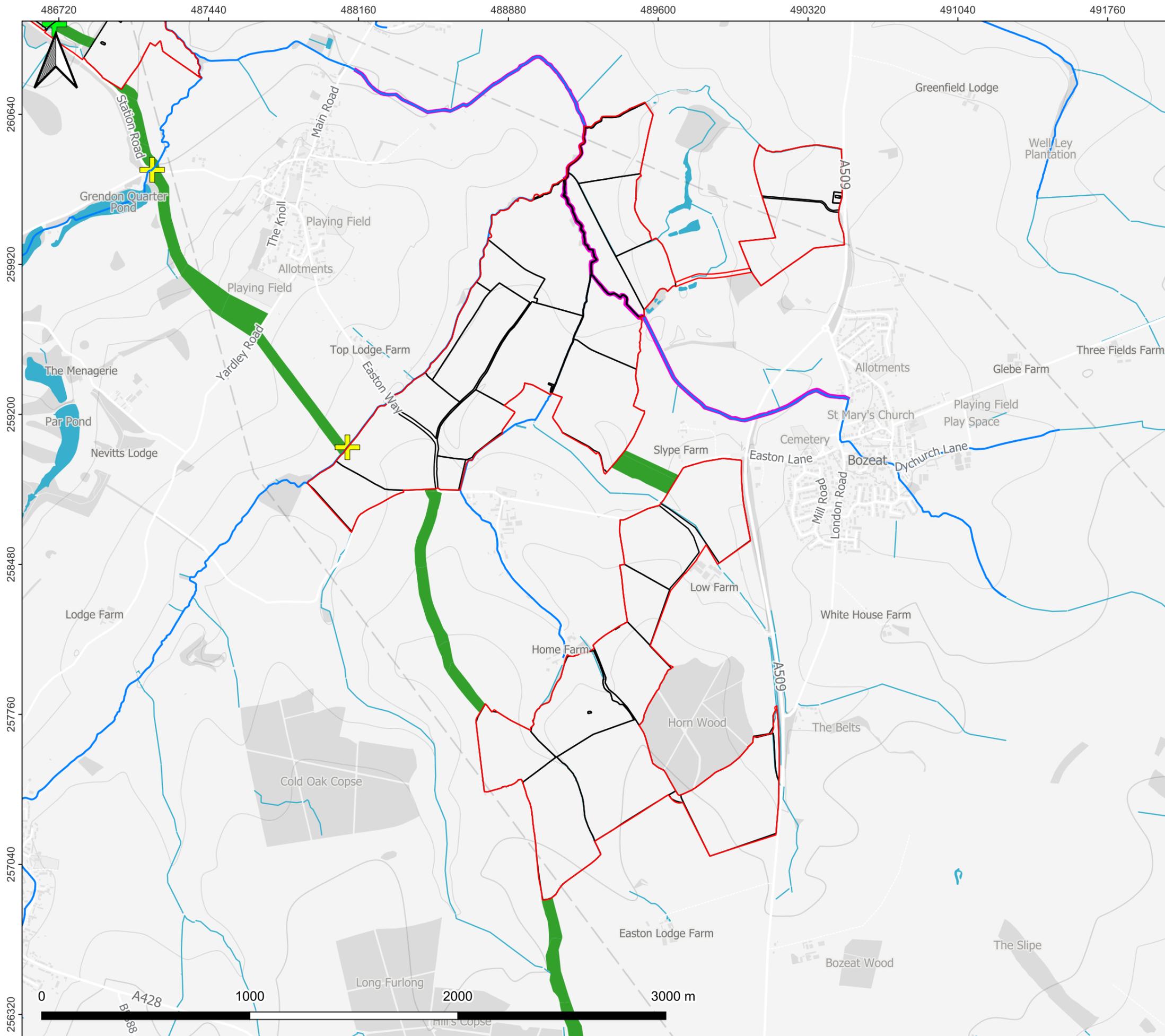
0   1000   2000   3000 m

Arthian

Project Reference:
Green Hill Solar Scheme

Client:
Green Hill Solar Farm Ltd.

Drawing Title:
Watercourse Crossings - Green Hill G

Drawing Name:	Revision:	Date:
313532_Watercourse-Crossing-G	A	07 May 2025

Drawing Scale (A3):	Drawing Status:	Drawn:	Checked:	Approved:
1:18000	Final	IR	JR	JR

Legend

Order Limits

Site Boundary

Individual Field Boundaries

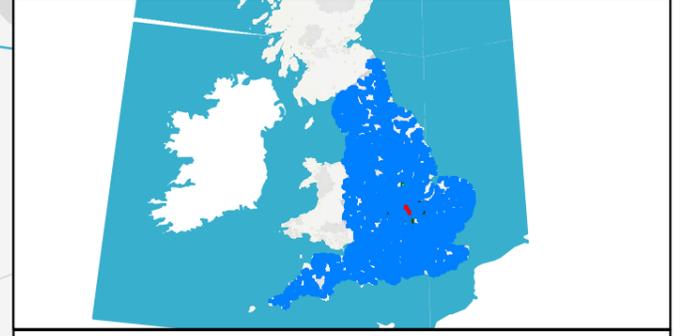### Topographical Features

Main Rivers

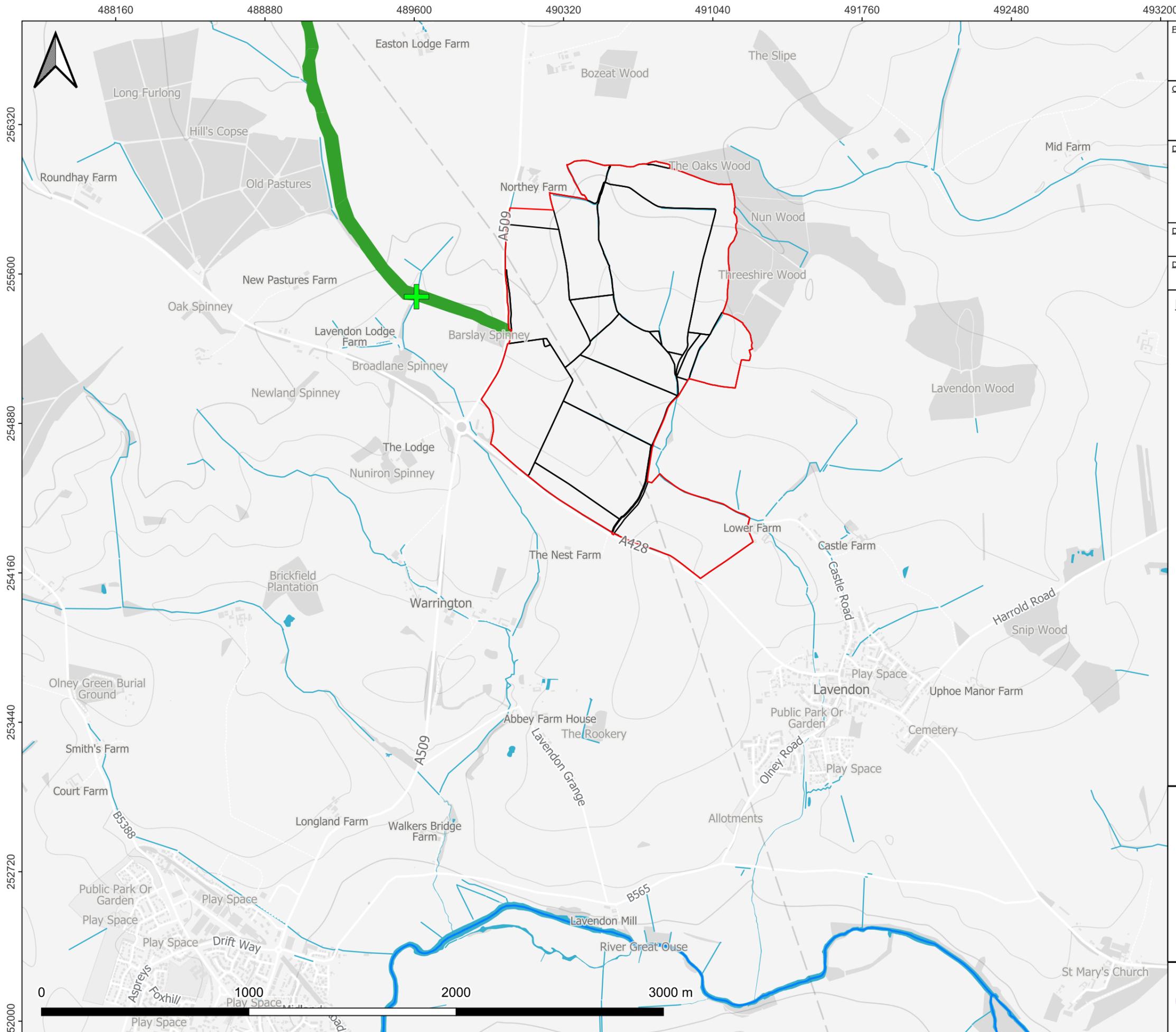### Cable Route Watercourse Crossing Locations

Main River Crossing

Ordinary Watercourse Crossing

Other Features
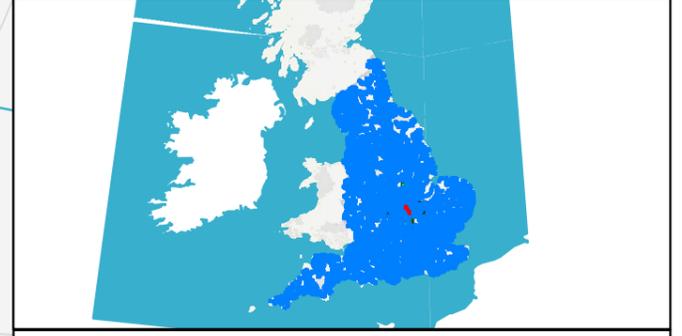
AIMS Flood Defences

Cable Route Corridor (50m buffer)

0   1000   2000   3000 m

Annex B - The Water Body Catchment Classifications Summaries

Pitsford Arm of the Brampton Branch Water Body Catchment Classification Summary

Classification Item	2019 Classification		2022 Classification	Cycle 3 Objectives		
	Cycle 2	Cycle 3	Cycle 3	Status	Year	Reasons
Ecological	Good	Good	Good	Good	2015	
Biological Quality Elements	Poor	Poor	Moderate	Good	2015	
Invertebrates	Poor	Poor	Moderate	Good	2015	
Macrophytes and Phytobenthos Combined	N/A	N/A	N/A	N/A	2015	Disproportionately expensive: Disproportionate burdens; Technically infeasible: No known technical solution is available
Physio-Chemical Quality Elements	High	High	Good	Good	2015	
Acid Neutralising Capacity	N/A	N/A	High	N/A		
Ammonia (Phys-Chem)	N/A	N/A	High	Good	2015	
Dissolved Oxygen	N/A	N/A	Good	Good	2015	
Phosphate	N/A	N/A	Good	Good	2015	
Temperature	N/A	N/A	High	Good	2015	
pH	High	High	High	Good	2015	
Hydromorphological Supporting Elements	N/A	N/A	N/A	N/A	2015	
Supporting Elements (surface Water)	Good	Good	Good	Good	2015	
Mitigation Measures Assessment	Good	Good	Good	Good	2015	
Specific Pollutants	High	High	High	High	2015	
Iron	High	High	High	High	2015	
Maganese	High	High	High	High	2015	
Chemical	Fail	Fail	N/A	Good	2063	Natural conditions: Chemical status recovery time; Technically infeasible: No known technical solution is available
Priority Hazardous Substances	Fail	Fail	N/A	Good	2063	Natural conditions: Chemical status recovery time; Technically infeasible: No known technical solution is available
Benzo(a)pyrene	Good	Good	N/A	Good	2015	
Dioxins and dioxin-like compounds	Good	Good	N/A	Good	2015	
Heptachlor and cis-Heptachlor Epoxide	Good	Good	N/A	Good	2015	
Hexachlorobenzene	Good	Good	N/A	Good	2015	
Hexachlorobutadiene	Good	Good	N/A	Good	2015	
Mercury and Its Compounds	Fail	Fail	N/A	Good	2040	Natural conditions: Chemical status recovery time
Perfluorooctane sulphonate (PFOS)	Fail	Fail	N/A	Good	2039	Technically infeasible: No known technical solution is available
Polybrominated diphenyl ethers (PBDE)	Fail	Fail	N/A	Good	2063	Natural conditions: Chemical status recovery time
Priority substances	Good	Good	N/A	Good	2015	
Cypermethrin (Priority)	Good	Good	N/A	Good	2015	
Fluoranthene	Good	Good	N/A	Good	2015	
Other Pollutants	N/A	N/A	N/A	N/A	2015	

The Sywell Brook Water Body catchment Classification Summary

Classification Item	2019 Classification		2022 Classification	Cycle 3 Objectives		
	Cycle 2	Cycle 3	Cycle 3	Status	Year	Reasons
Ecological	Poor	Poor	Poor	Good	2027- Low confidence	Disproportionately expensive: Disproportionate burdens
Biological Quality Elements	Poor	Poor	Poor	Good	2027- Low confidence	Disproportionately expensive: Disproportionate burdens
Invertebrates	Moderate	Moderate	Moderate	Good	2027- Low confidence	Disproportionately expensive: Disproportionate burdens
Macrophytes and Phytobenthos Combined	Poor	Poor	Poor	Good	2027- Low confidence	Disproportionately expensive: Disproportionate burdens
Physio-Chemical Quality Elements	High	High	High	Good	2015	
Ammonia (Phys-Chem)	High	High	High	Good	2015	
Dissolved Oxygen	High	High	High	Good	2015	
Phosphate	High	High	High	Good	2015	
Temperature	High	High	High	Good	2015	
pH	High	High	High	Good	2015	
Hydromorphological Supporting Elements	Supports Good	Supports Good	Supports Good	Supports Good	2015	
Supporting Elements (surface Water)	N/A	N/A	N/A	N/A	2015	
Mitigation Measures Assessment	N/A	N/A	N/A	N/A	2015	
Chemical	Fail	Fail	N/A	Good	2063	Natural conditions: Chemical status recovery time; Technically infeasible: No known technical solution is available
Priority Hazardous Substances	Fail	Fail	N/A	Good	2063	Natural conditions: Chemical status recovery time; Technically infeasible: No known technical solution is available
Benzo(a)pyrene	Good	Good	N/A	Good	2015	
Dioxins and dioxin-like compounds	Good	Good	N/A	Good	2015	
Heptachlor and cis-Heptachlor Epoxide	Good	Good	N/A	Good	2015	
Hexachlorobenzene	Good	Good	N/A	Good	2015	
Hexachlorobutadiene	Good	Good	N/A	Good	2015	
Mercury and Its Compounds	Fail	Fail	N/A	Good	2040	Natural conditions: Chemical status recovery time
Perfluorooctane sulphonate (PFOS)	Fail	Fail	N/A	Good	2039	Technically infeasible: No known technical solution is available
Polybrominated diphenyl ethers (PBDE)	Fail	Fail	N/A	Good	2063	Natural conditions: Chemical status recovery time
Priority substances	Good	Good	N/A	Good	2015	
Cypermethrin (Priority)	Good	Good	N/A	Good	2015	
Fluoranthene	Good	Good	N/A	Good	2015	
Other Pollutants	N/A	N/A	N/A	N/A	2015	

The Swanspool Brook Water Body Catchment Classification Summary

Classification Item	2019 Classification		2022 Classification	Cycle 3 Objectives		
	Cycle 2	Cycle 3	Cycle 3	Status	Year	Reasons
Ecological	Moderate	Moderate	Moderate	Good	2027- Low confidence	Disproportionately expensive: Disproportionate burdens
Biological Quality Elements	Moderate	Moderate	Moderate	Good	2027- Low confidence	Disproportionately expensive: Disproportionate burdens
Invertebrates	Moderate	Moderate	Moderate	Good	2027- Low confidence	Disproportionately expensive: Disproportionate burdens
Macrophytes and Phytobenthos Combined	Moderate	Moderate	Moderate	Good	2027- Low confidence	Disproportionately expensive: Disproportionate burdens
Physio-Chemical Quality Elements	Moderate	Moderate	Good	Good	2027	Disproportionately expensive: Disproportionate burdens
Acid Neutralising Capacity	High	High	N/A	Good	2015	
Ammonia (Phys-Chem)	High	High	High	Good	2015	
Dissolved Oxygen	Moderate	Moderate	N/A	Good	2015	
Phosphate	Moderate	Moderate	Good	Good	2027	Disproportionately expensive: Disproportionate burdens
Temperature	Good	Good	N/A	Good	2015	
pH	High	High	N/A	Good	2015	
Hydromorphological Supporting Elements	Supports good	Supports good	Supports good	Supports good	2015	
Chemical	Fail	Fail	N/A	Good	2063	Natural conditions: Chemical status recovery time; Technically infeasible: No known technical solution is available
Priority Hazardous Substances	Fail	Fail	N/A	Good	2063	Natural conditions: Chemical status recovery time; Technically infeasible: No known technical solution is available
Benzo(a)pyrene	Good	Good	N/A	Good	2015	
Dioxins and dioxin-like compounds	Good	Good	N/A	Good	2015	
Heptachlor and cis-Heptachlor Epoxide	Good	Good	N/A	Good	2015	
Hexachlorobenzene	Good	Good	N/A	Good	2015	
Hexachlorobutadiene	Good	Good	N/A	Good	2015	
Mercury and Its Compounds	Fail	Fail	N/A	Good	2040	Natural conditions: Chemical status recovery time
Perfluorooctane sulphonate (PFOS)	Fail	Fail	N/A	Good	2039	Technically infeasible: No known technical solution is available
Polybrominated diphenyl ethers (PBDE)	Fail	Fail	N/A	Good	2063	Natural conditions: Chemical status recovery time
Priority substances	Good	Good	N/A	Good	2015	
Cypermethrin (Priority)	Good	Good	N/A	Good	2015	
Fluoranthene	Good	Good	N/A	Good	2015	
Other Pollutants	N/A	N/A	N/A	N/A	2015	

The Hardwick Brook Water Body Catchment Classification Summary

Classification Item	2019 Classification		2022 Classification	Cycle 3 Objectives		
	Cycle 2	Cycle 3	Cycle 3	Status	Year	Reasons
Ecological	Poor	Poor	Poor	Good	2027-low confidence	Disproportionately expensive: Disproportionate burdens
Biological Quality Elements	Poor	Poor	Poor	Good	2027-low confidence	Disproportionately expensive: Disproportionate burdens
Invertebrates	High	High	High	Good	2015	
Macrophytes and Phytobenthos Combined	Poor	Poor	Poor	Good	2027-low confidence	Disproportionately expensive: Disproportionate burdens
Physio-Chemical Quality Elements	Moderate	Moderate	N/A	Good	2027	Disproportionately expensive: Disproportionate burdens
Acid Neutralising Capacity	High	High	N/A	Good	2015	
Ammonia (Phys-Chem)	High	High	N/A	Good	2015	
Dissolved Oxygen	Moderate	Moderate	N/A	Good	2015	
Phosphate	Moderate	Moderate	N/A	Good	2027	Disproportionately expensive: Disproportionate burdens
Temperature	Good	Good	N/A	Good	2015	
pH	High	High	N/A	Good	2015	
Hydromorphological Supporting Elements	Supports Good	Supports Good	Supports Good	Supports Good	2015	
Supporting Elements (surface Water)	Moderate	Moderate	N/A	Supports Good		
Mitigation Measures Assessment	N/A	N/A	N/A	N/A		
Specific Pollutants	N/A	High	High	N/A		
Iron	N/A	High	High	N/A		
Maganese	N/A	High	High	N/A		
Chemical	Fail	Fail	Fail	Good	2063	Natural conditions: Chemical status recovery time
Priority Hazardous Substances	Fail	Fail	Fail	Good	2063	Natural conditions: Chemical status recovery time
Benzo(a)pyrene	Good	Good	N/A	Good	2015	
Dioxins and dioxin-like compounds	Good	Good	N/A	Good	2015	
Heptachlor and cis-Heptachlor Epoxide	Good	Good	N/A	Good	2015	
Hexabromocyclododecane	Good	Good	N/A	Good	2015	
Hexachlorobenzene	Good	Good	N/A	Good	2015	
Hexachlorobutadiene	Good	Good	N/A	Good	2015	
Mercury and Its Compounds	Fail	Fail	N/A	Good	2040	Natural conditions: Chemical status recovery time
Perfluorooctane sulphonate (PFOS)	Good	Good	N/A	Good	2015	
Polybrominated diphenyl ethers (PBDE)	Fail	Fail	N/A	Good	2063	Natural conditions: Chemical status recovery time
Priority substances	Good	Good	N/A	Good	2015	
Cypermethrin (Priority)	Good	Good	N/A	Good	2015	
Fluoranthene	Good	Good	N/A	Good	2015	
Other Pollutants	N/A	N/A	N/A	N/A	2015	

The Malton Arm Water Body Catchment Classification

Classification Item	2019 Classification		2022 Classification	Cycle 3 Objectives		
	Cycle 2	Cycle 3	Cycle 3	Status	Year	Reasons
Ecological	Poor	Poor	Poor	Poor	2015	Technically infeasible: No known technical solution is available
Biological Quality Elements	Poor	Poor	Poor	Poor	2015	Technically infeasible: No known technical solution is available
Invertebrates	Poor	Poor	Poor	Poor	2015	Technically infeasible: No known technical solution is available
Macrophytes and Phytobenthos Combined	Good	Good	Good	Good	2015	
Physio-Chemical Quality Elements	Good	N/A	N/A	N/A	2015	
Hydromorphological Supporting Elements	Supports Good	Supports Good	Supports Good	Supports Good	2015	
Supporting Elements (surface Water)	N/A	Moderate	Supports Good	Supports Good	2015	
Chemical	Fail	Fail	N/A	Good	2063	Natural conditions: Chemical status recovery time
Priority Hazardous Substances	Fail	Fail	N/A	Good	2063	Natural conditions: Chemical status recovery time
Benzo(a)pyrene	Good	Good	N/A	Good	2015	
Dioxins and dioxin-like compounds	Good	Good	N/A	Good	2015	
Heptachlor and cis-Heptachlor Epoxide	Good	Good	N/A	Good	2015	
Hexabromocyclododecane	Good	Good	N/A	Good	2015	
Hexachlorobenzene	Good	Good	N/A	Good	2015	
Hexachlorobutadiene	Good	Good	N/A	Good	2015	
Mercury and Its Compounds	Fail	Fail	N/A	Good	2040	Natural conditions: Chemical status recovery time
Perfluorooctane sulphonate (PFOS)	Good	Good	N/A	Good	2015	
Polybrominated diphenyl ethers (PBDE)	Fail	Fail	N/A	Good	2063	Natural conditions: Chemical status recovery time
Priority substances	Good	Good	N/A	Good	2015	
Cypermethrin (Priority)	Good	Good	N/A	Good	2015	
Fluoranthene	Good	Good	N/A	Good	2015	
Other Pollutants	N/A	N/A	N/A	N/A	2015	

Billing Brook (Northampton) Water Body Catchment Classification

Classification Item	2019 Classification		2022 Classification		Cycle 3 Objectives		
	Cycle 2	Cycle 3	Cycle 3	Status	Year	Reasons	
Ecological	Bad	Bad	Bad	Good	2027-low confidence	Disproportionately expensive: Disproportionate burdens	
Biological Quality Elements	Bad	Bad	Bad	Good	2027-low confidence	Disproportionately expensive: Disproportionate burdens	
Invertebrates	Bad	Bad	Bad	Good	2027-low confidence	Disproportionately expensive: Disproportionate burdens	
Macrophytes and Phytobenthos Combined	Moderate	Moderate	Moderate	Good	2027-low confidence	Disproportionately expensive: Disproportionate burdens	
Physio-Chemical Quality Elements	Moderate	Moderate	Moderate	Good	2027		
Acid Neutralising Capacity	N/A	N/A	N/A	Good	2015		
Ammonia (Phys-Chem)	High	High	High	Good	2015		
Dissolved Oxygen	Bad	Bad	Good	Good	2015		
Phosphate	Moderate	Moderate	N/A	Good	2015		
Temperature	High	High	High	Good	2015		
pH	High	High	High	Good	2015		
Hydromorphological Supporting Elements	Supports Good	Supports Good	Supports Good	Supports Good	2015		
Chemical	Fail	Fail	Fail	Good	2063	Natural conditions: Chemical status recovery time	
Priority Hazardous Substances	Fail	Fail	Fail	Good	2063	Natural conditions: Chemical status recovery time	
Benzo(a)pyrene	Good	Good	N/A	Good	2015		
Dioxins and dioxin-like compounds	Good	Good	N/A	Good	2015		
Heptachlor and cis-Heptachlor Epoxide	Good	Good	N/A	Good	2015		
Hexabromocyclododecane	Good	Good	N/A	Good	2015		
Hexachlorobenzene	Good	Good	N/A	Good	2015		
Hexachlorobutadiene	Good	Good	N/A	Good	2015		
Mercury and Its Compounds	Fail	Fail	N/A	Good	2040	Natural conditions: Chemical status recovery time	
Perfluorooctane sulphonate (PFOS)	Good	Good	N/A	Good	2015		
Polybrominated diphenyl ethers (PBDE)	Fail	Fail	N/A	Good	2063	Natural conditions: Chemical status recovery time	
Priority substances	Good	Good	N/A	Good	2015		
Cypermethrin (Priority)	Good	Good	N/A	Good	2015		
Fluoranthene	Good	Good	N/A	Good	2015		
Other Pollutants	N/A	N/A	N/A	N/A	2015		

Nene (conf Brampton Branch to conf Ise) Water Body Catchment Classification

| Classification Item | 2019 Classification | | 2022 Classification | Cycle 3 Objectives | | |
	Cycle 2	Cycle 3	Cycle 3	Status	Year	Reasons
Ecological	Moderate	Moderate	Moderate	Moderate	2015	and benefits; Technically infeasible: No known technical solution is available
Biological Quality Elements	Poor	Poor	Poor	Good	2027-low confidenc	and benefits; Technically infeasible: No known technical solution is available
Invertebrates	Good	Good	Good	Good	2015	
Macrophytes and Phytobenthos Combine	N/A	N/A	N/A	N/A	2015	Disproportionately expensive: Unfavourable balance of costs and benefits; Technically infeasible: No known technical solution is
Macrophytes Sub Element	Poor	Poor	Moderate	N/A		
Physio-Chemical Quality Elements	Moderate	Moderate	Moderate	Moderate	2015	and benefits; Technically infeasible: No known technical solution is available
Acid Neutralising Capacity	N/A	N/A	High	N/A	2015	
Ammonia (Phys-Chem)	High	High	High	Good	2015	
Dissolved Oxygen	High	High	High	Good	2015	
Phosphate	Poor	Poor	Poor	Moderate	2015	and benefits; Technically infeasible: No known technical solution is available
Temperature	Moderate	Moderate	High	Good	2015	
pH	High	High	High	Good	2015	
Hydromorphological Supporting Elements	Supports Good	Supports Good	Supports Good	Supports Good	2015	
Supporting Elements (surface Water)	Moderate	Moderate	Moderate	Supports Good	2027-low confidenc	Disproportionately expensive: Disproportionate burdens
Mitigation Measures Assessment	Moderate or less	Moderate or less	Moderate or less	Good	2027-low confidenc	Disproportionately expensive: Disproportionate burdens
Specific Pollutants	High	High	High	High	2015	
Iron	High	High	High	High	2015	
Maganese	High	High	High	High	2015	
Chemical	Fail	Fail	N/A	Good	2063	Technically infeasible: No known technical solution is available
Priority Hazardous Substances	Fail	Fail	N/A	Good	2063	Technically infeasible: No known technical solution is available
Benzo(a)pyrene	Good	Good	N/A	Good	2015	
Dioxins and dioxin-like compounds	Good	Good	N/A	Good	2015	
Heptachlor and cis-Heptachlor Epoxide	Good	Good	N/A	Good	2015	
Hexabromocyclododecane	Good	Good	N/A	Good	2015	
Hexachlorobenzene	Good	Good	N/A	Good	2015	
Hexachlorobutadiene	Good	Good	N/A	Good	2015	
Mercury and Its Compounds	Fail	Fail	N/A	Good	2040	Natural conditions: Chemical status recovery time
Perfluorooctane sulphonate (PFOS)	Fail	Fail	N/A	Good	2039	Technically infeasible: No known technical solution is available
Polybrominated diphenyl ethers (PBDE)	Fail	Fail	N/A	Good	2063	Natural conditions: Chemical status recovery time
Priority substances	Good	Good	N/A	Good	2015	
Cypermethrin (Priority)	Good	Good	N/A	Good	2015	
Fluoranthene	Good	Good	N/A	Good	2015	
Other Pollutants	N/A	N/A	N/A	N/A	2015	

Grendon Brook Water Body Catchment Classification

Classification Item	2019 Classification		2019 Classification		Cycle 3 Objectives	
	Cycle 2	Cycle 3	Cycle 3	Status	Year	Reasons
Ecological	Moderate	Moderate	Moderate	Moderate	2022	
Biological Quality Elements	N/A	Moderate	Moderate	Moderate	2022	
Invertebrates	N/A	Good	Good	Good	2022	
Macrophytes and Phytobenthos Combined	N/A	Moderate	Moderate	Moderate	2022	Disproportionately expensive: Disproportionate burdens; Technically infeasible: No known technical solution is
Physio-Chemical Quality Elements	Moderate	Moderate	Moderate	Moderate	2022	
Acid Neutralising Capacity	N/A	N/A	N/A	N/A	2022	
Ammonia (Phys-Chem)	High	N/A	High	Moderate	2022	
Dissolved Oxygen	High	High	High	High	2022	
Phosphate	Poor	Poor	Poor	Poor	2022	
Temperature	High	High	High	High	2022	
pH	High	High	High	High	2022	
Hydromorphological Supporting Elements	Supports Good	Supports Good	N/A	N/A	2022	
Supporting Elements (surface Water)	Moderate	N/A	N/A	N/A	2022	
Mitigation Measures Assessment	Moderate or less	N/A	N/A	N/A	2022	
Specific Pollutants	High	N/A	N/A	N/A	2022	
Iron	N/A	N/A	N/A	N/A	2022	
Maganese	N/A	N/A	N/A	N/A	2022	
Chemical	N/A	Fail	Fail	N/A	2022	Natural conditions: Chemical status recovery time; Technically infeasible: No known technical solution is
Priority Hazardous Substances	N/A	Fail	Fail	N/A	2022	Natural conditions: Chemical status recovery time; Technically infeasible: No known technical solution is
Benzo(a)pyrene	N/A	Good	Good	N/A	2022	
Dioxins and dioxin-like compounds	N/A	Good	Good	N/A	2022	
Heptachlor and cis-Heptachlor Epoxide	N/A	Good	Good	N/A	2022	
Hexachlorobenzene	N/A	Good	Good	N/A	2022	
Hexachlorobutadiene	N/A	Good	Good	N/A	2022	
Mercury and Its Compounds	N/A	Fail	Fail	N/A	2022	Natural conditions: Chemical status recovery time
Perfluorooctane sulphonate (PFOS)	N/A	Fail	Fail	N/A	2022	Technically infeasible: No known technical solution is available
Polybrominated diphenyl ethers (PBDE)	N/A	Fail	Fail	N/A	2022	Natural conditions: Chemical status recovery time
Priority substances	N/A	Good	Good	N/A	2022	
Cypermethrin (Priority)	N/A	Good	Good	N/A	2022	
Fluoranthene	N/A	Good	Good	N/A	2022	
Other Pollutants	N/A	N/A	N/A	N/A	2022	

Castle Ashby Arm (Grendon Brook) Water Body Catchment Classification

| Classification Item	2019 Classification		2022 Classification		Cycle 3 Objectives		
	Cycle 2	Cycle 3	Cycle 3	Status	Year	Reasons	
Ecological	Poor	Poor	Poor	Good	2027-low confidence	Disproportionately expensive: Disproportionate burdens	
Biological Quality Elements	Poor	Poor	Poor	Good	2027-low confidence	Disproportionately expensive: Disproportionate burdens	
Invertebrates	Poor	Poor	Poor	Good	2027-low confidence	Disproportionately expensive: Disproportionate burdens	
Macrophytes and Phytobenthos Combined	Poor	Poor	Poor	Good	2027-low confidence	Disproportionately expensive: Disproportionate burdens	
Physio-Chemical Quality Elements	Good	Good	Moderate	Good	2015		
Ammonia (Phys-Chem)	High	High	Good	Good	2015		
Dissolved Oxygen	Good	Good	Poor	Good	2015		
Phosphate	High	High	Good	Good	2027		
Temperature	High	High	High	Good	2015		
pH	High	High	High	Good	2015		
Hydromorphological Supporting Elements	Supports Good	Supports Good	Supports Good	Supports Good	2015		
Chemical	Fail	Fail	Fail	Good	2063	Natural conditions: Chemical status recovery time; Technically infeasible: No known technical solution is available	
Priority Hazardous Substances	Fail	Fail	Fail	Good	2063	Natural conditions: Chemical status recovery time; Technically infeasible: No known technical solution is available	
Benzo(a)pyrene	Good	Good	N/A	Good	2015		
Dioxins and dioxin-like compounds	Good	Good	N/A	Good	2015		
Heptachlor and cis-Heptachlor Epoxide	Good	Good	N/A	Good	2015		
Hexabromocyclododecane	Good	Good	N/A	Good	2015		
Hexachlorobenzene	Good	Good	N/A	Good	2015		
Hexachlorobutadiene	Good	Good	N/A	Good	2015		
Mercury and Its Compounds	Fail	Fail	N/A	Good	2040	Natural conditions: Chemical status recovery time	
Perfluorooctane sulphonate (PFOS)	Fail	Fail	N/A	Good	2039	Technically infeasible: No known technical solution is available	
Polybrominated diphenyl ethers (PBDE)	Fail	Fail	N/A	Good	2063	Natural conditions: Chemical status recovery time	
Priority substances	Good	Good	N/A	Good	2015		
Cypermethrin (Priority)	Good	Good	N/A	Good	2015		
Fluoranthene	Good	Good	N/A	Good	2015		
Other Pollutants	N/A	N/A	N/A	N/A	2015		

Ouse Water Body Catchment Classification

Classification Item	2019 Classification	2019 Classification	Cycle 3 Objectives			
	Cycle 2	Cycle 3	Cycle 3	Status	Year	Reasons
Ecological	Moderate	Moderate	Moderate	Moderate	2022	
Biological Quality Elements	Good	Good	Good	Good	2022	
Invertebrates	Good	High	Good	Good	2022	
Macrophytes and Phytobenthos Combined	N/A	N/A	High	High	2022	
Physio-Chemical Quality Elements	Moderate	Moderate	Poor	Poor	2022	
Acid Neutralising Capacity	N/A	N/A	Moderate	Moderate	2022	
Ammonia (Phys-Chem)	High	High	High	High	2022	
Dissolved Oxygen	High	High	High	High	2022	
Phosphate	Poor	Poor	Good	Good	2022	
Temperature	High	High	High	Good	2022	
pH	High	High	High	Good	2022	
Hydromorphological Supporting Elements	Supports Good	Supports Good	Supports Good	Supports Good	2022	
Supporting Elements (surface Water)	Moderate	Moderate	Moderate	Moderate	2022	
Mitigation Measures Assessment	Moderate or less	Moderate or less	Moderate or less	Moderate or less	2022	
Specific Pollutants	High	High	High	High	2022	
Iron	High	High	High	High	2022	
Maganese	High	High	High	High	2022	
Chemical	Good	Fail	Fail	N/A	2022	
Priority Hazardous Substances	Good	Fail	Fail	N/A	2022	
Benzo(a)pyrene	N/A	Good	Good	N/A	2022	
Dioxins and dioxin-like compounds	N/A	Good	Good	N/A	2022	
Heptachlor and cis-Heptachlor Epoxide	Good	Good	Good	N/A	2022	
Hexachlorobenzene	Good	Good	Good	N/A	2022	
Hexachlorobutadiene	Good	Good	Good	N/A	2022	
Mercury and Its Compounds	N/A	Good	Good	N/A	2022	
Perfluorooctane sulphonate (PFOS)	N/A	Good	Good	N/A	2022	
Polybrominated diphenyl ethers (PBDE)	N/A	N/A	Good	N/A	2022	
Priority substances	Good	Good	Fail	N/A	2022	
Cypermethrin (Priority)	N/A	Good	Good	N/A	2022	
Fluoranthene	N/A	Good	Good	N/A	2022	
Other Pollutants	N/A	N/A	N/A	N/A	2022	

Grendon Brook Water Body Catchment Classification

Classification Item	2019 Classification	2019 Classification	2019 Classification	Cycle 3 Objectives		
	Cycle 2	Cycle 3	Cycle 3	Status	Year	Reasons
Ecological	Moderate	Moderate	Moderate	Moderate	2022	
Biological Quality Elements	N/A	Moderate	Moderate	Moderate	2022	
Invertebrates	N/A	Good	Good	Good	2022	
Macrophytes and Phytobenthos Combined	N/A	Moderate	Moderate	Moderate	2022	Disproportionately expensive: Disproportionate burdens; Technically infeasible: No known technical solution is available
Physio-Chemical Quality Elements	Moderate	Moderate	Moderate	Moderate	2022	
Acid Neutralising Capacity	N/A	N/A	N/A	N/A	2022	
Ammonia (Phys-Chem)	High	N/A	High	Moderate	2022	
Dissolved Oxygen	High	High	High	High	2022	
Phosphate	Poor	Poor	Poor	Poor	2022	
Temperature	High	High	High	High	2022	
pH	High	High	High	High	2022	
Hydromorphological Supporting Elements	Supports Good	Supports Good	N/A	N/A	2022	
Supporting Elements (surface Water)	Moderate	N/A	N/A	N/A	2022	
Mitigation Measures Assessment	Moderate or less	N/A	N/A	N/A	2022	
Specific Pollutants	High	N/A	N/A	N/A	2022	
Iron	N/A	N/A	N/A	N/A	2022	
Maganese	N/A	N/A	N/A	N/A	2022	
Chemical	N/A	Fail	Fail	N/A	2022	Natural conditions: Chemical status recovery time; Technically infeasible: No known technical solution is available
Priority Hazardous Substances	N/A	Fail	Fail	N/A	2022	Natural conditions: Chemical status recovery time; Technically infeasible: No known technical solution is available
Benzo(a)pyrene	N/A	Good	Good	N/A	2022	
Dioxins and dioxin-like compounds	N/A	Good	Good	N/A	2022	
Heptachlor and cis-Heptachlor Epoxide	N/A	Good	Good	N/A	2022	
Hexachlorobenzene	N/A	Good	Good	N/A	2022	
Hexachlorobutadiene	N/A	Good	Good	N/A	2022	
Mercury and Its Compounds	N/A	Fail	Fail	N/A	2022	Natural conditions: Chemical status recovery time
Perfluorooctane sulphonate (PFOS)	N/A	Fail	Fail	N/A	2022	Technically infeasible: No known technical solution is available
Polybrominated diphenyl ethers (PBDE)	N/A	Fail	Fail	N/A	2022	Natural conditions: Chemical status recovery time
Priority substances	N/A	Good	Good	N/A	2022	
Cypermethrin (Priority)	N/A	Good	Good	N/A	2022	
Fluoranthene	N/A	Good	Good	N/A	2022	
Other Pollutants	N/A	N/A	N/A	N/A	2022	

Annex C – EA's Flood Map for Planning Figures
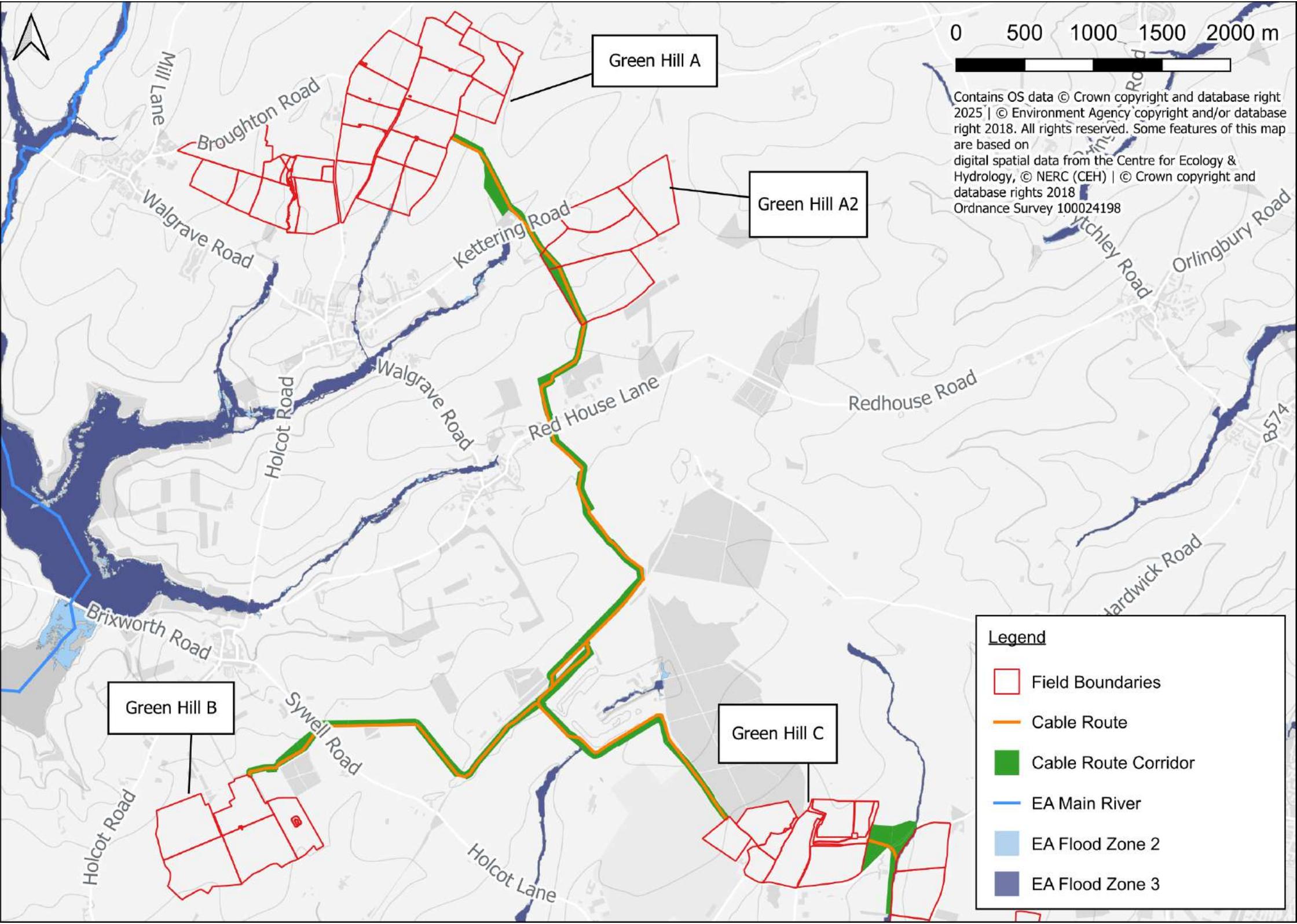
Green Hill A

Green Hill A2

Green Hill B

Green Hill C

0   500   1000   1500   2000 m

Mill Lane
Broughton Road
Walgrave Road
Holcot Road
Kettering Road
Walgrave Road
Red House Lane
Redhouse Road
Brixworth Road
Sywell Road
Holcot Road
Holcot Lane
Hardwick Road
Orlingbury Road
B574

Legend

☐ Field Boundaries

━ Cable Route

━ Cable Route Corridor

━ EA Main River

■ EA Flood Zone 2

■ EA Flood Zone 3

Green Hill D

Green Hill C

Green Hill E

Sywell Road

Hatton Park

Glebe Road

Highfield Road

Sywell Bottom

Wilby Road

Mears Ashby Road

Rutherford Drive

Shelley Road

Queensway

Brickhill Road

A5128

Kingsway

Doddington Road

B571

B573

B570

Ecton Lane

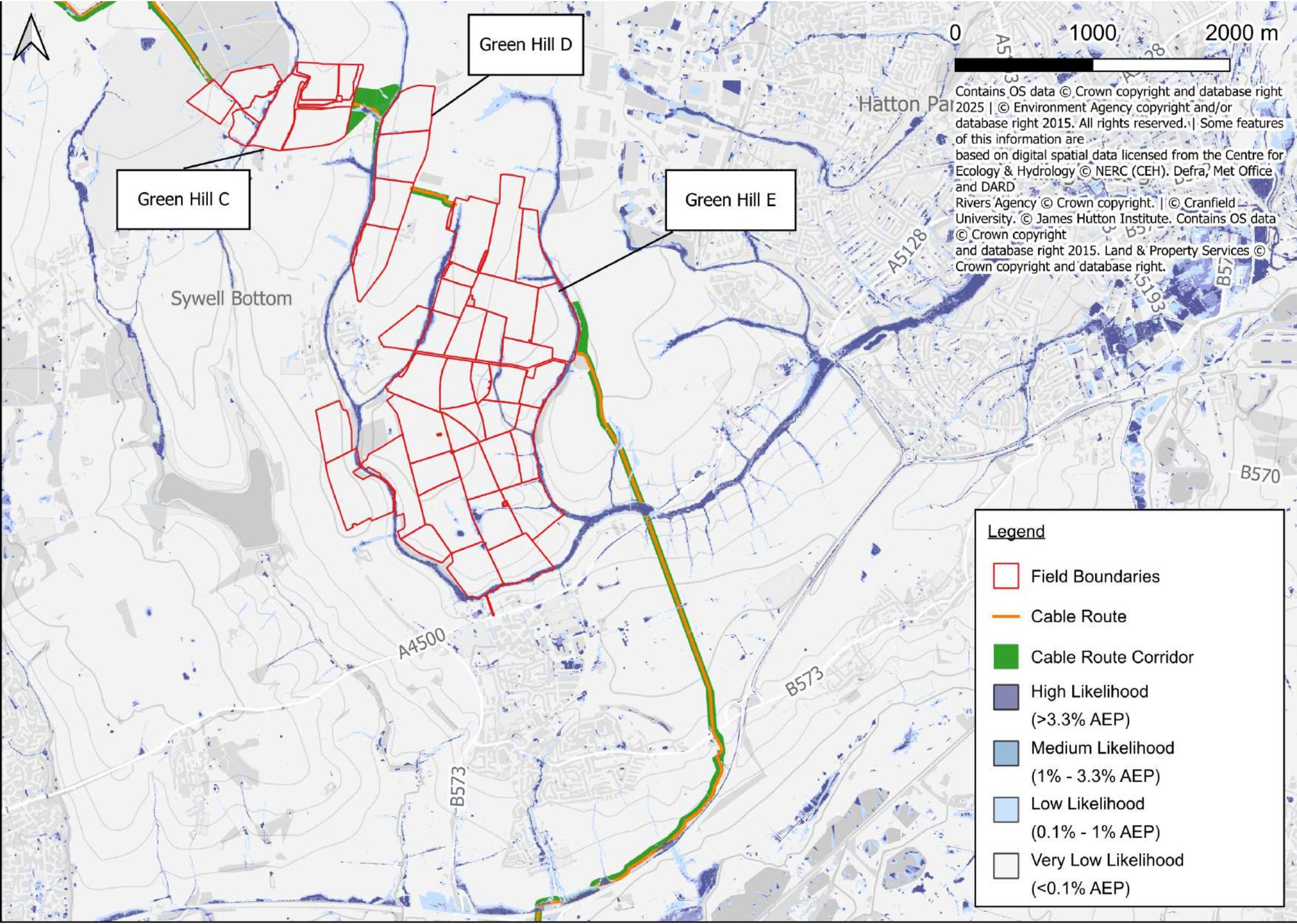Washbrook Lane

A4500

B573

Station Road

Mill Lane

B573

Hardwater Road

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Ordnance Survey 100024198

0   500   1000   1500   2000 m

Legend

Field Boundaries

Cable Route

Cable Route Corridor

EA Main River

EA Flood Zone 2

EA Flood Zone 3

Green Hill BESS

Green Hill F

Beacon Hill

Strixton

Lower End

Whiston

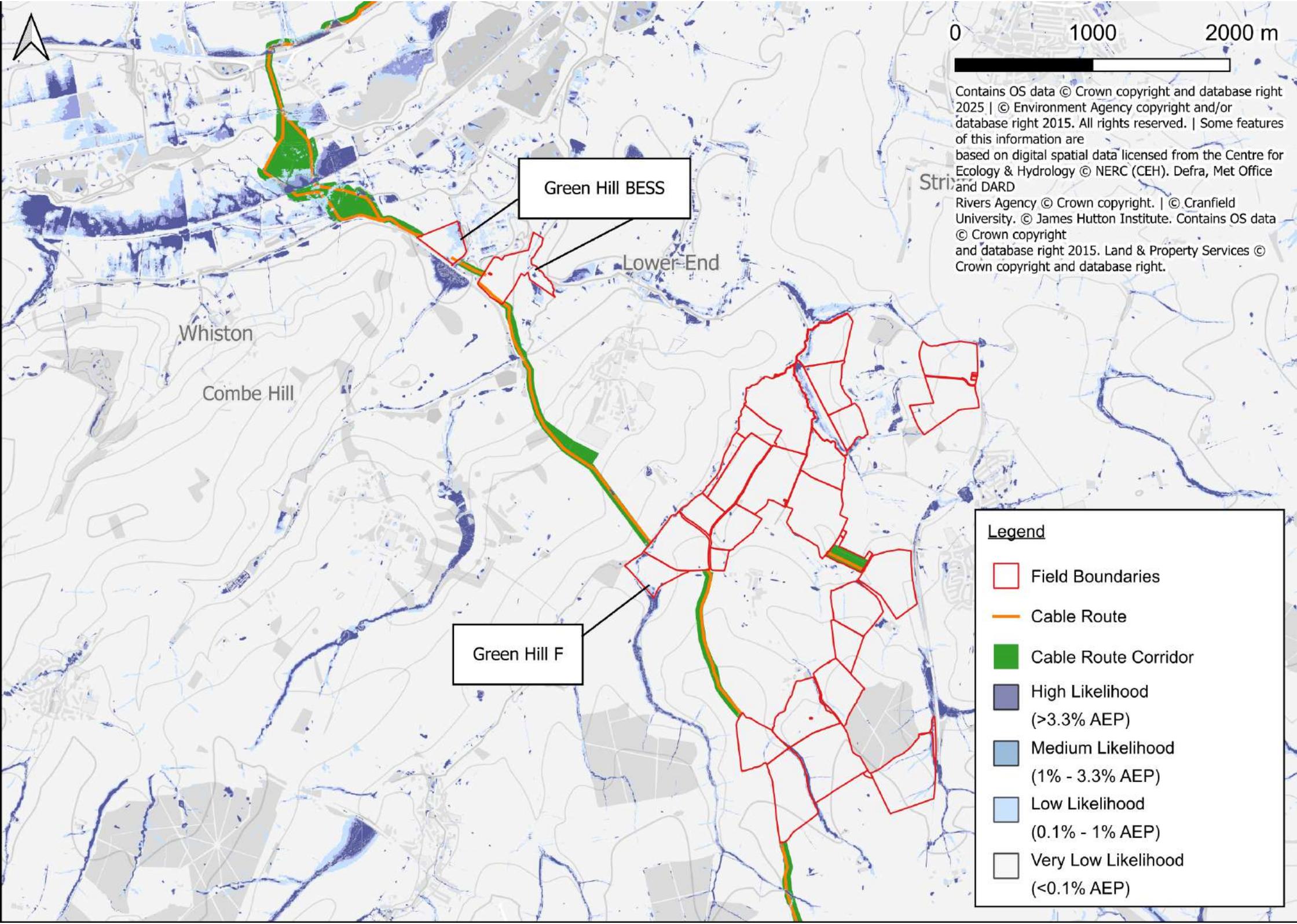Combe Hill

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Ordnance Survey 100024198

0   500   1000   1500   2000 m

Legend

Field Boundaries

Cable Route

Cable Route Corridor

EA Main River

EA Flood Zone 2

EA Flood Zone 3

Green Hill F

Green Hill G

Coldharbour Hill

Warrington

B5388

B565

0   500   1000   1500   2000 m

Legend

Field Boundaries

Cable Route

Cable Route Corridor

EA Main River

EA Flood Zone 2

EA Flood Zone 3

Annex D – EA's Surface Water Flood Map Figures

Green Hill A

Green Hill A2

Green Hill B

Green Hill C
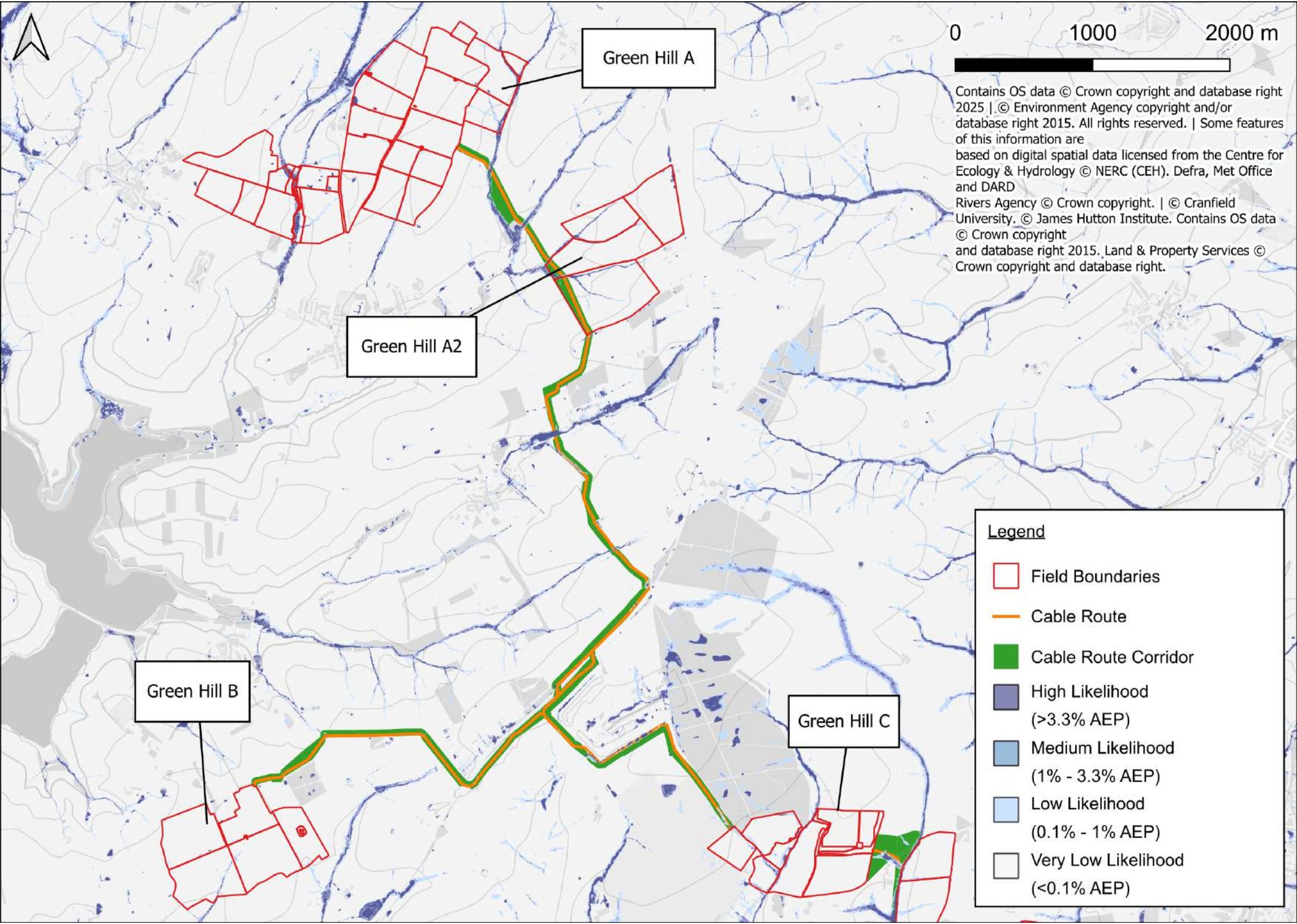
0   1000   2000 m

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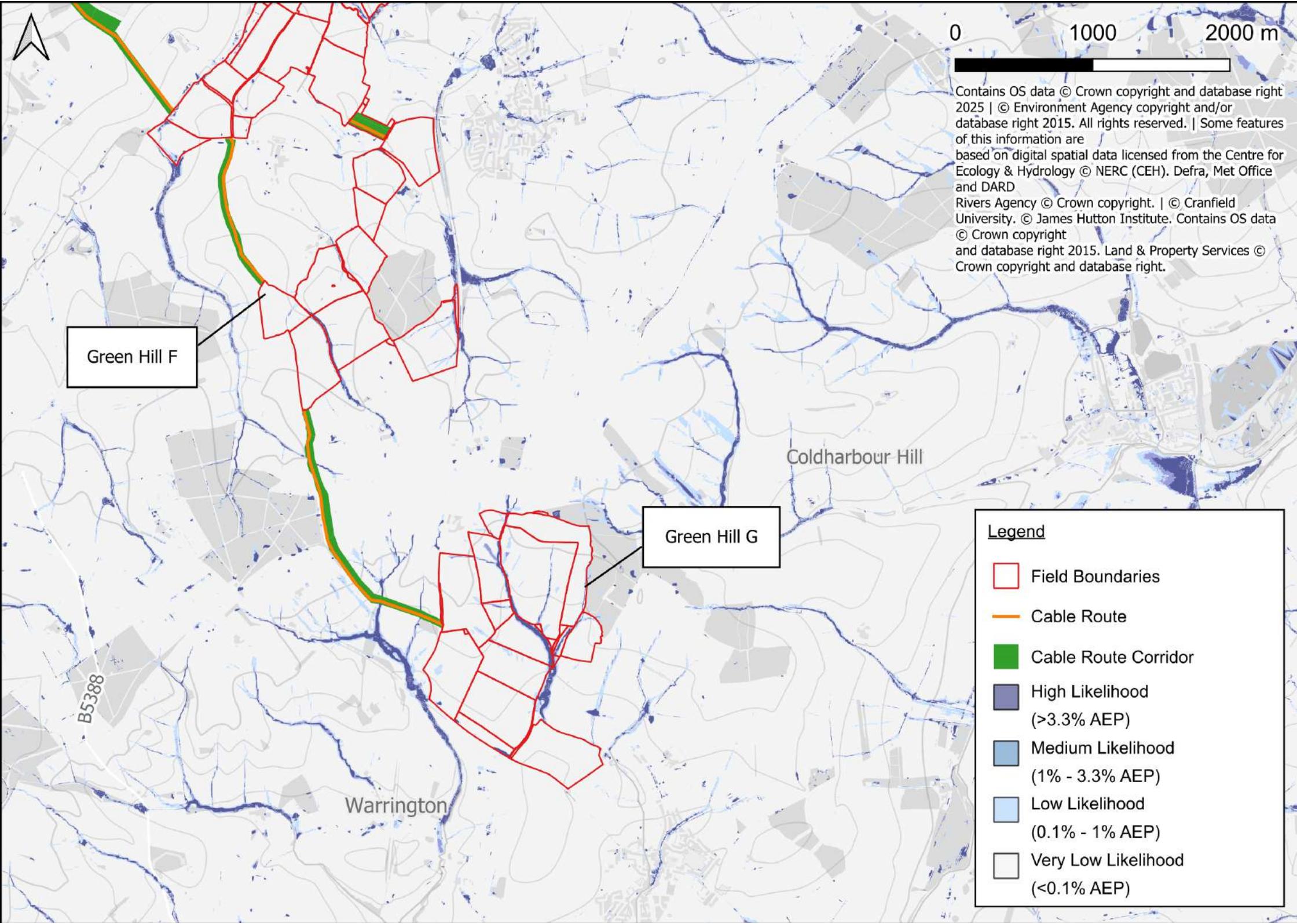and database right 2015. Land & Property Services © Crown copyright and database right.

Legend

☐ Field Boundaries

— Cable Route

■ Cable Route Corridor

■ High Likelihood
(>3.3% AEP)

■ Medium Likelihood
(1% - 3.3% AEP)

■ Low Likelihood
(0.1% - 1% AEP)

☐ Very Low Likelihood
(<0.1% AEP)

Green Hill D

Green Hill C

Green Hill E

Sywell Bottom

Hatton Par

A4500

B573

B573

B570

0   1000   2000 m

Legend

Field Boundaries

Cable Route

Cable Route Corridor

High Likelihood (>3.3% AEP)

Medium Likelihood (1% - 3.3% AEP)

Low Likelihood (0.1% - 1% AEP)

Very Low Likelihood (<0.1% AEP)

Green Hill BESS

Green Hill F

Strix

Lower End

Whiston

Combe Hill

Legend

Field Boundaries

Cable Route

Cable Route Corridor

High Likelihood
(>3.3% AEP)

Medium Likelihood
(1% - 3.3% AEP)

Low Likelihood
(0.1% - 1% AEP)

Very Low Likelihood
(<0.1% AEP)

0   1000   2000 m

Green Hill F

Green Hill G

Coldharbour Hill

Warrington

B5388

0   1000   2000 m

Legend

Field Boundaries

Cable Route

Cable Route Corridor

High Likelihood
(>3.3% AEP)

Medium Likelihood
(1% - 3.3% AEP)

Low Likelihood
(0.1% - 1% AEP)

Very Low Likelihood
(<0.1% AEP)

[i] MAGIC
[ii] Get flood risk information for planning in England - Flood map for planning - GOV.UK
[iii] Where do you want to check? - Check your long term flood risk - GOV.UK
[iv] Flood alerts and warnings - GOV.UK