

The background image shows two women walking on a dirt path through a field of tall grass and wildflowers. The woman on the left is wearing a plaid shirt, a dark vest, and jeans, and is holding a leash for a small black and white dog. The woman on the right is wearing a dark jacket and leggings. In the background, there are several power line towers under a blue sky with scattered white clouds.

The Great Grid Upgrade

Grimsby to Walpole

Preliminary Environmental Information Report

Volume 2 Part B Section Specific Assessments

Section 1 New Grimsby West Substation

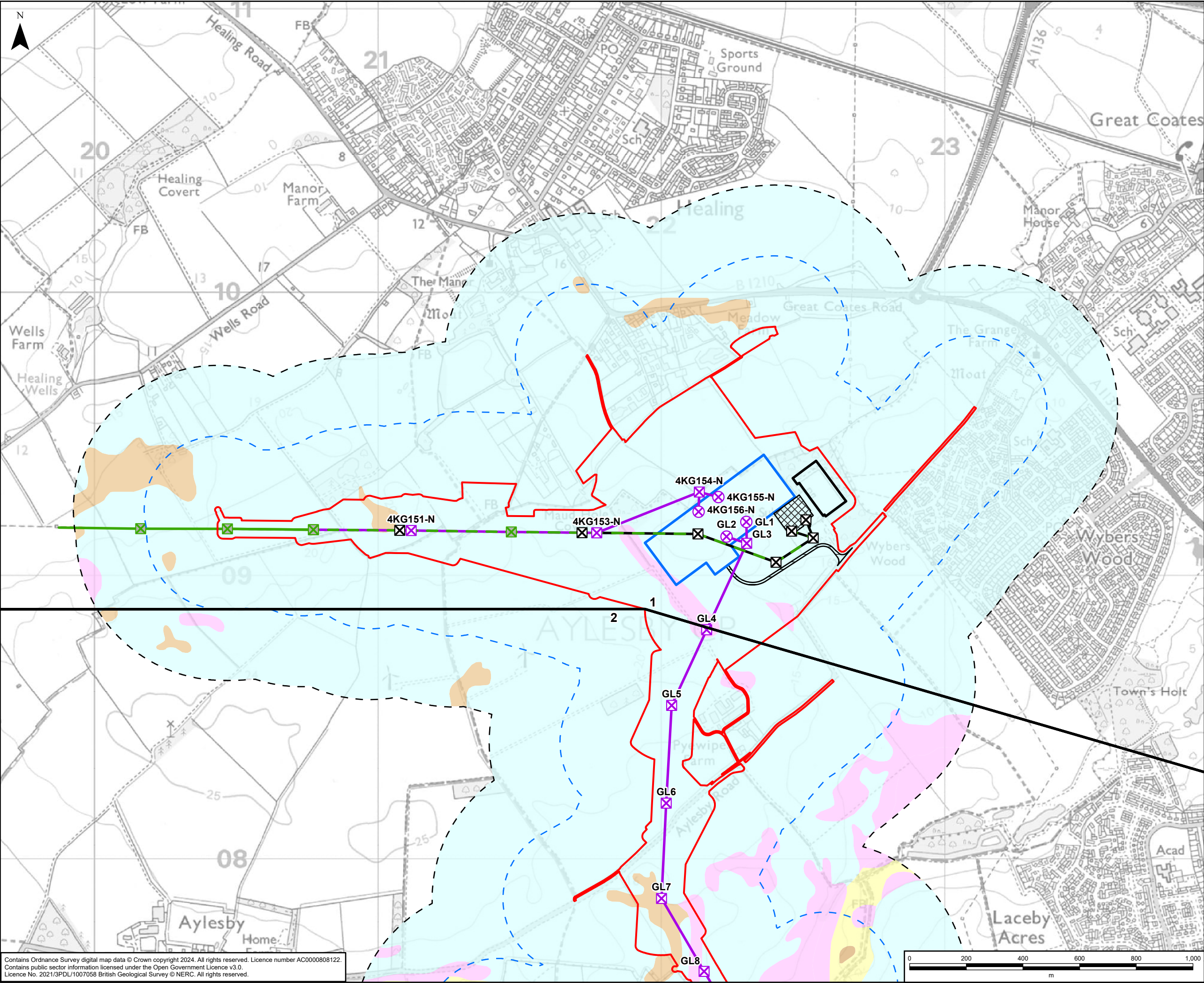
Chapter 7 Geology and Hydrogeology

Figures

June 2025

Volume 2 Part B Section 1 Chapter 7 – Figure List

Figure number	Figure title
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Figure 7.2	Bedrock Geology
Figure 7.3	Groundwater Source Protection Zones
Figure 7.4	Aquifer Designations: Superficial Deposits
Figure 7.5	Aquifer Designations: Bedrock Geology
Figure 7.6	Landfills, Waste and Potentially Contaminative Previous Land Uses



GRIMSBY TO WALPOLE LEGEND

Legend

- Draft Order Limits
- Route Section Break
- 250m Study Area
- 500m Study Area
- Indicative New Lattice Pylon
- Indicative New Gantry
- Existing Lattice Pylon - Not Affected
- Existing Lattice Pylon - To Be Dismantled
- Indicative New Overhead Line
- Existing Overhead Line - Not Affected
- Existing Overhead Line - To Be Dismantled
- Existing Overhead Line - To Be Modified
- Existing Substation Boundary
- Existing Substation to be Demolished
- Indicative New Substation Boundary
- Indicative Permanent Substation Access Route

Superficial Geology (BGS 50k)

- Alluvium - Clay, Silt, Sand and Gravel
- Glaciofluvial Deposits, Devensian - Sand and Gravel
- Glaciofluvial Sheet Deposits, Devensian - Sand and Gravel
- Lacustrine Deposits - Sand, Silt and Clay
- Peat
- Till, Devensian - Diamicton

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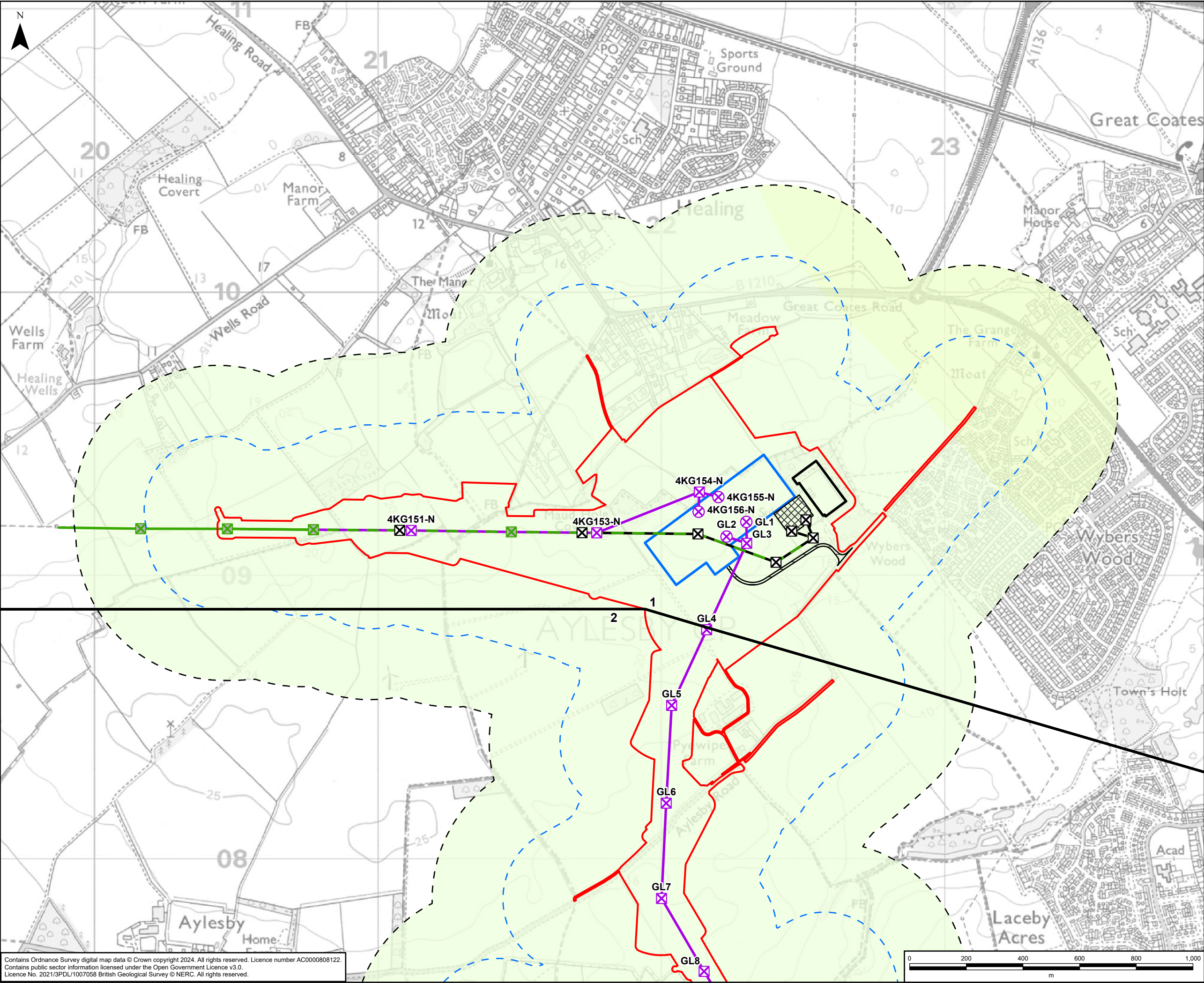
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Document Title: **FIGURE 7.1
SUPERFICIAL GEOLOGY**

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Bedrock Geology (BGS 50k)

- Burnham Chalk Formation - Chalk
- Flamborough Chalk Formation - Chalk

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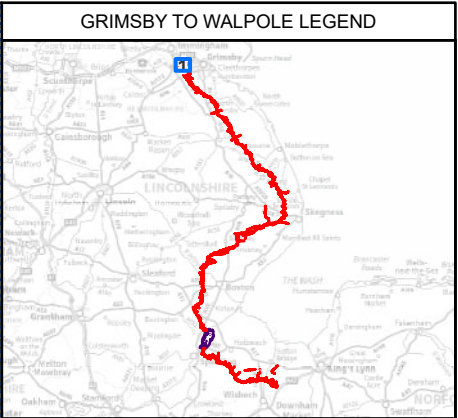
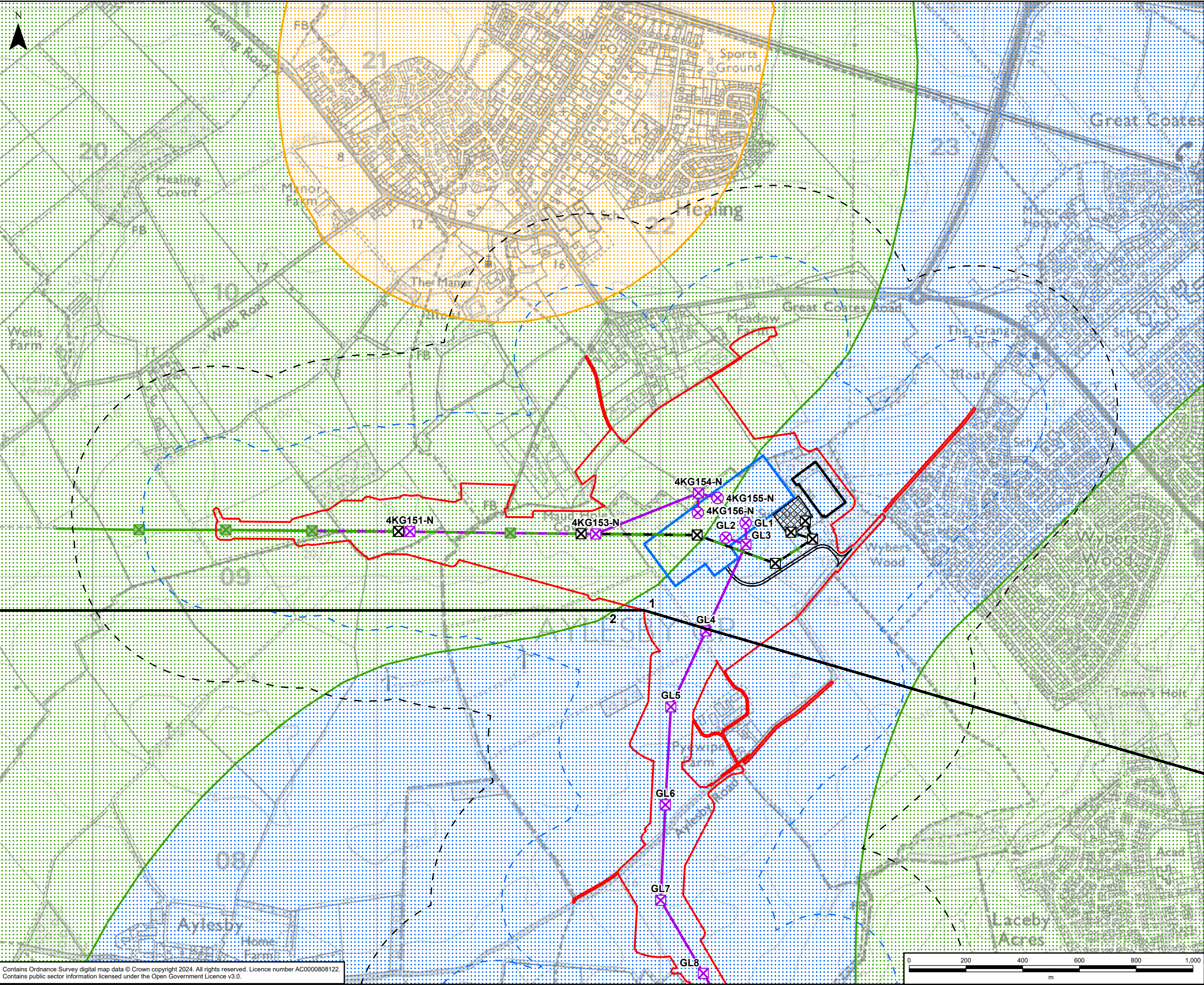
Purpose: PEI REPORT - SECTION 1

Scheme: GRIMSBY TO WALPOLE

Document Title: **FIGURE 7.2
BEDROCK GEOLOGY**

Creator: LC	Date: 07/04/2025	Checker: SG	Date: 07/04/2025	Approver: DR	Date: 07/04/2025
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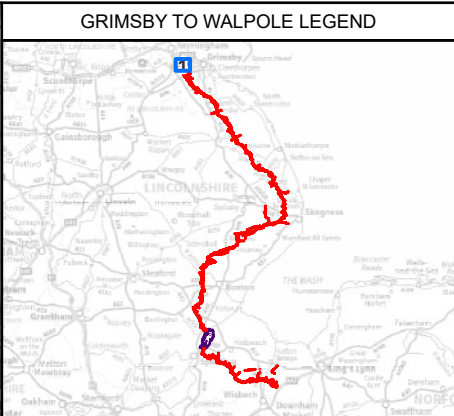
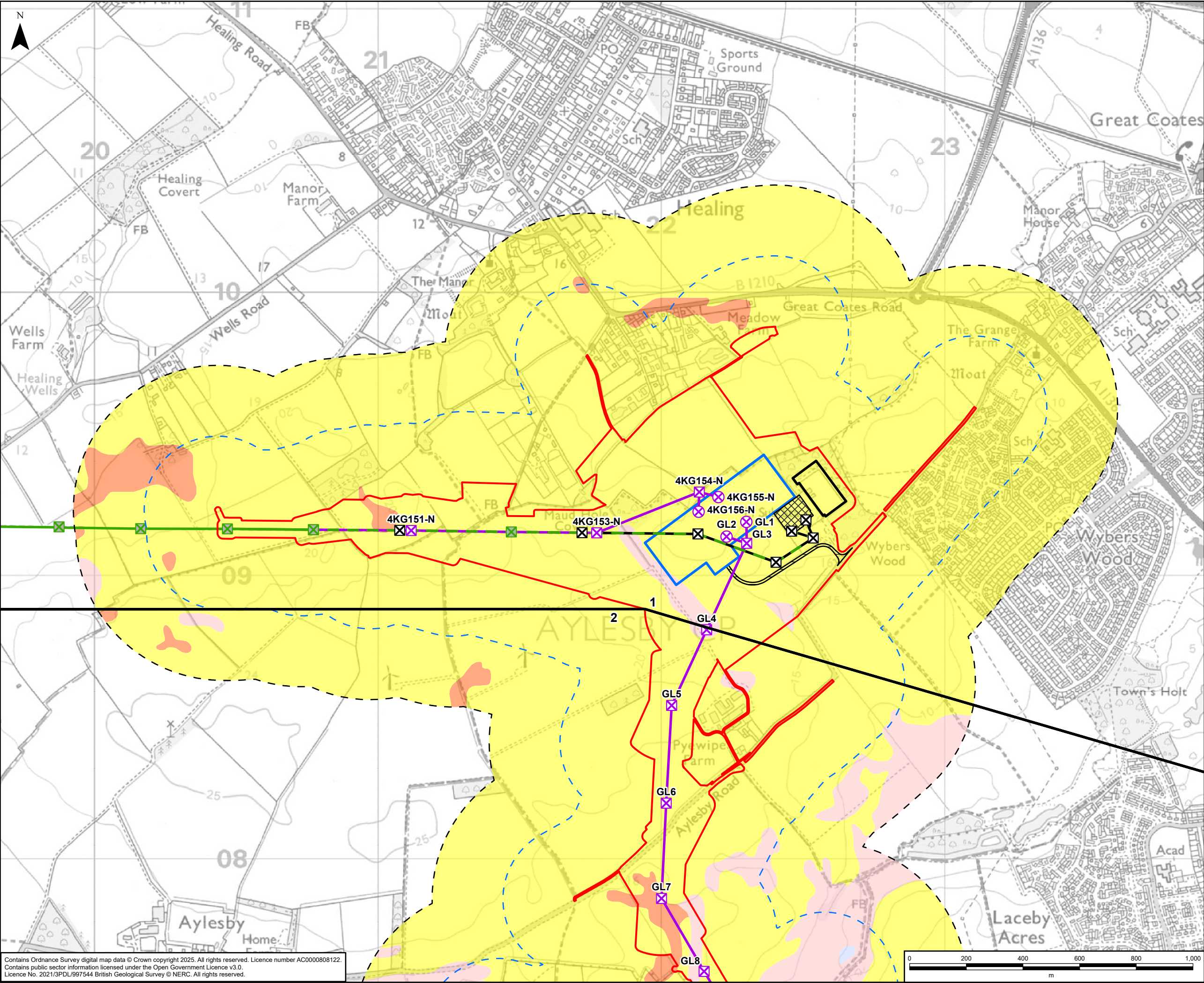
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 - Indicative Permanent Substation Access Route
 - Source Protection Zone
 - Zone 1
 - Zone 2
 - Zone 3

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Document Title:		FIGURE 7.3 GROUNDWATER SOURCE PROTECTION ZONES			
Creator:	Date:	Checker:	Date:	Approver:	Date:
LC	07/04/2025	SG	07/04/2025	DR	07/04/2025
Document Type:	Scale:	Format:	Sheets:	Rev:	
FIGURE	1:12,500	A3	1 OF 1	A	

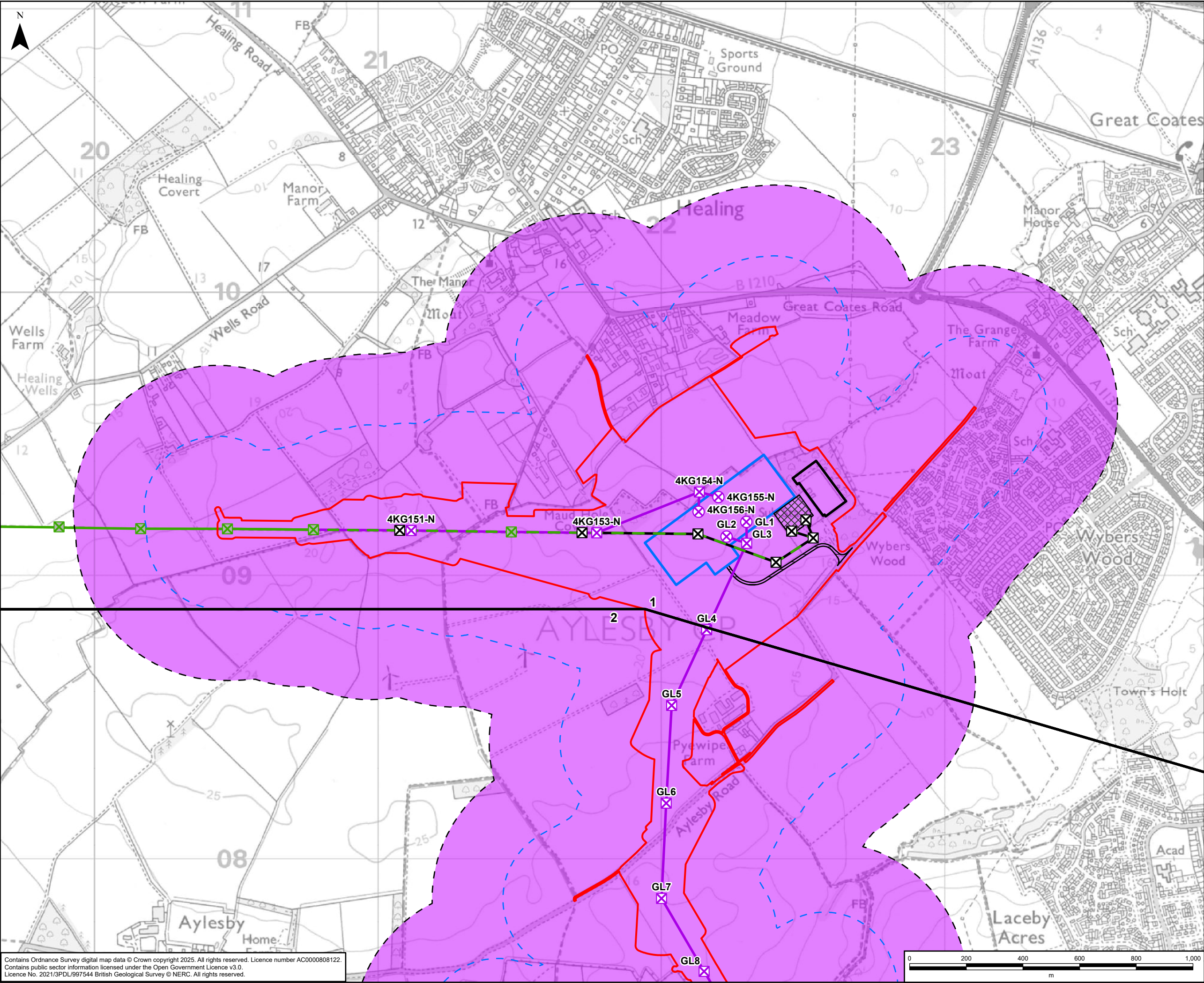
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 - Existing Substation Boundary
 - Existing Substation to be Demolished
 - Indicative New Substation Boundary
 - Indicative Permanent Substation Access Route
- Aquifer Designation: Superficial Deposits**
- Secondary A
 - Secondary B
 - Secondary (Undifferentiated)
 - Unproductive Strata

A	25/04/2025	First Issue	LC	SG	DR
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Scheme:		GRIMSBY TO WALPOLE			
Document Title:		FIGURE 7.4 AQUIFER DESIGNATIONS: SUPERFICIAL DEPOSITS			
Creator:	Date:	Checker:	Date:	Approver:	Date:
LC	25/04/2025	SG	25/04/2025	DR	25/04/2025
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GRIMSBY TO WALPOLE LEGEND

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- Existing Substation to be Demolished
- Indicative New Substation Boundary
- Indicative Permanent Substation Access Route
- Aquifer Designation: Bedrock Geology
- Principal

NOTE:
The Environment Agency provides records of groundwater abstractions, which are not available under Open Government License (available under the Environment Agency Conditional License) and have therefore not been reproduced on this figure

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Document Title: **FIGURE 7.5**
AQUIFER DESIGNATIONS: BEDROCK GEOLOGY

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Document Type: FIGURE	Scale: 1:12,500	Format: A3	Sheets: 1 OF 1	Rev: A	

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