

The Great Grid Upgrade

Grimsby to Walpole

Preliminary Environmental Information Report

Volume 2 Part B Section Specific Assessments

Section 5 Refined Weston Marsh Substation Siting Zone

Chapter 7 Geology and Hydrogeology

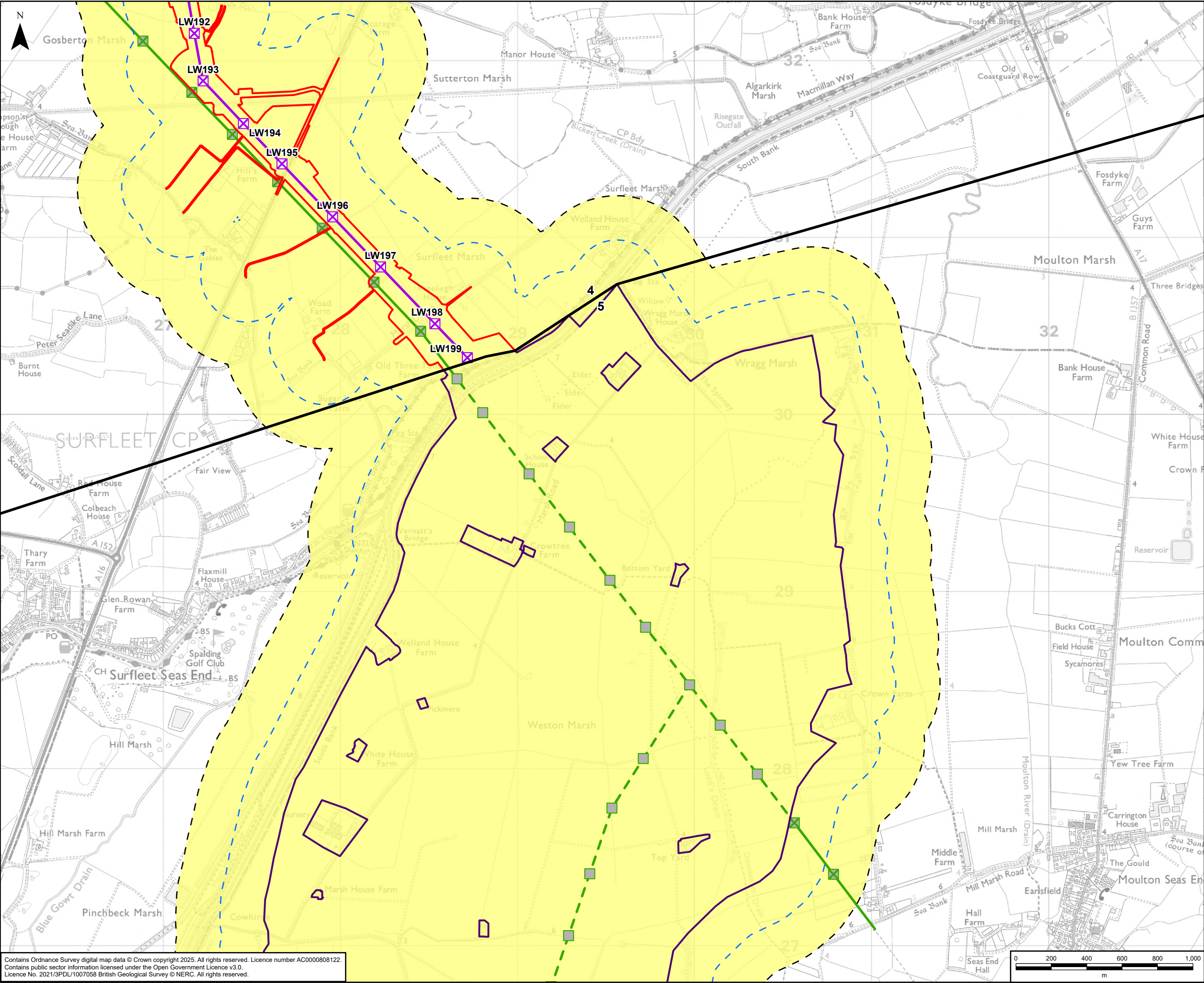
Figures

June 2025



Volume 2 Part B Section 5 Chapter 7 – Figure List

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GRIMSBY TO WALPOLE LEGEND

Legend

- Draft Order Limits
- Refined Weston Marsh Substation Siting Zone
- Route Section Break
- 250m Study Area
- 500m Study Area
- Indicative New Lattice Pylon
- Existing Lattice Pylon - Within Weston Marsh Siting Zone that May Be Modified
- Existing Lattice Pylon - Not Affected
- Indicative New Overhead Line
- Existing Overhead Line - Not Affected
- Existing Overhead Line - Within Weston Marsh Siting Zone that May Be Modified
- Superficial Geology (BGS 50k)
- Tidal Flat Deposits - Clay and Silt

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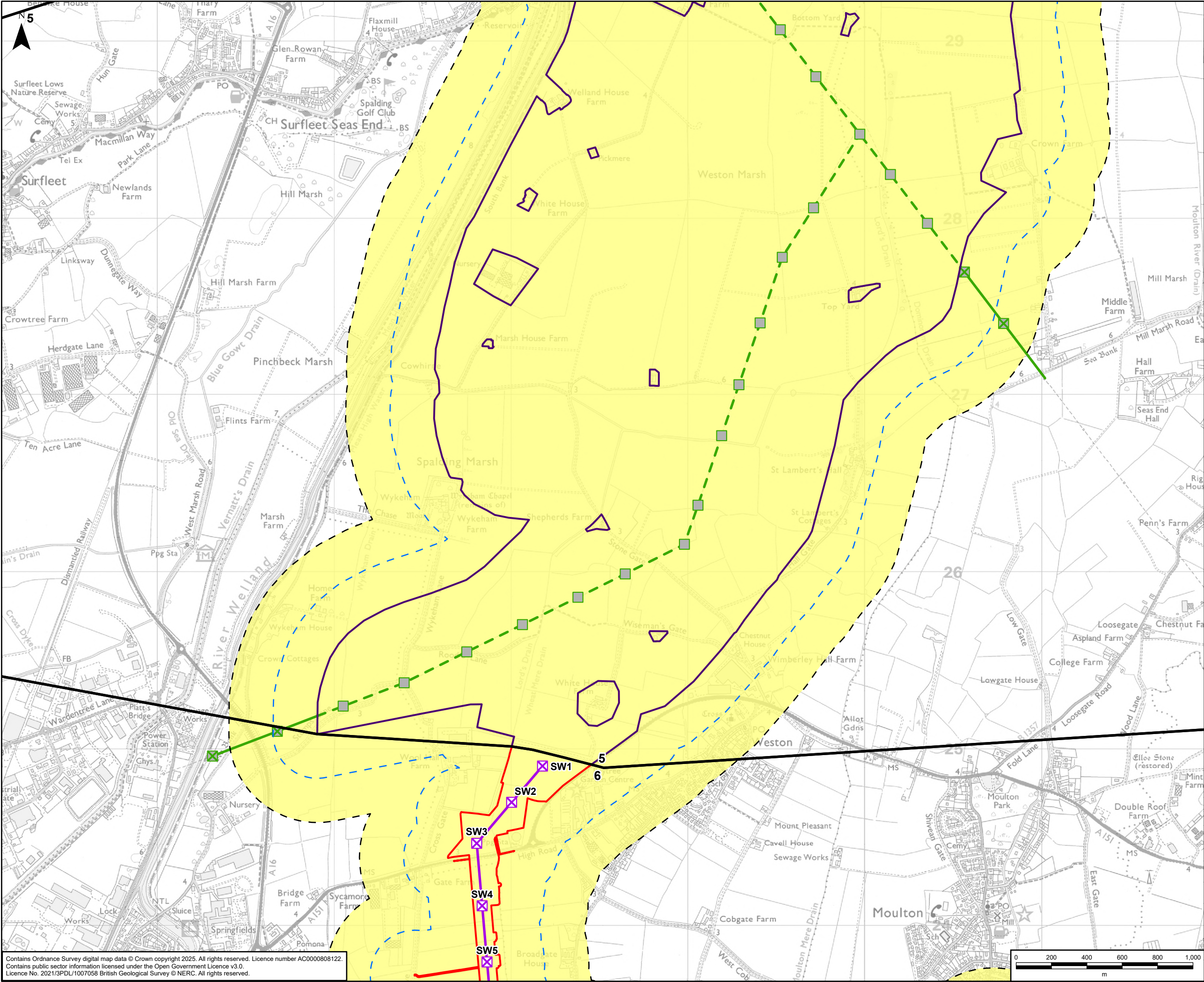
Purpose: PEI REPORT - SECTION 5

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Document Title: FIGURE 7.1
SUPERFICIAL GEOLOGY

Creator: LC	Date: 08/04/2025	Checker: SG	Date: 08/04/2025	Approver: DR	Date: 08/04/2025
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GRIMSBY TO WALPOLE LEGEND

Legend

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Superficial Geology (BGS 50k)

- Tidal Flat Deposits - Clay and Silt

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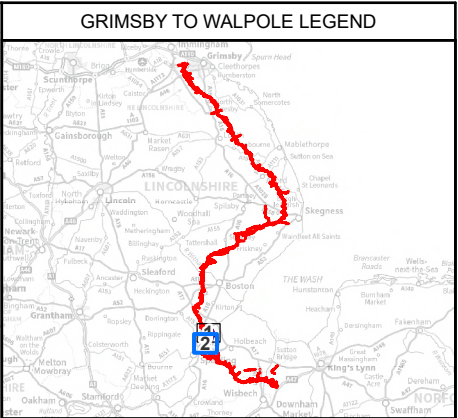
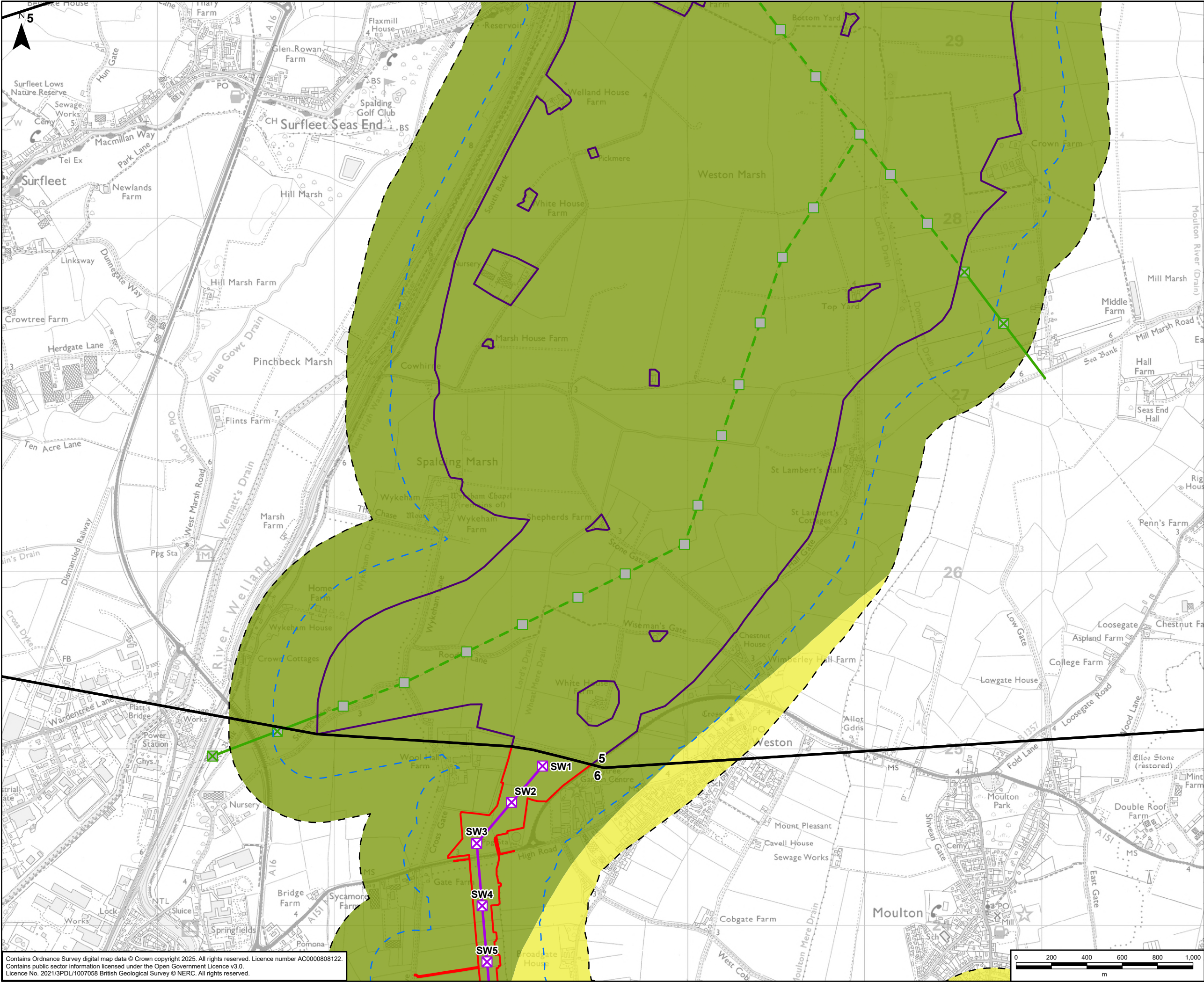
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SUPERFICIAL GEOLOGY

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GRIMSBY TO WALPOLE LEGEND

Legend

Draft Order Limits

Refined Weston Marsh Substation Siting Zone

Route Section Break

250m Study Area

500m Study Area

Indicative New Lattice Pylon

Existing Lattice Pylon - Within Weston Marsh Siting Zone that May Be Modified

Existing Lattice Pylon - Not Affected

Indicative New Overhead Line

Existing Overhead Line - Not Affected

Existing Overhead Line - Within Weston Marsh Siting Zone that May Be Modified

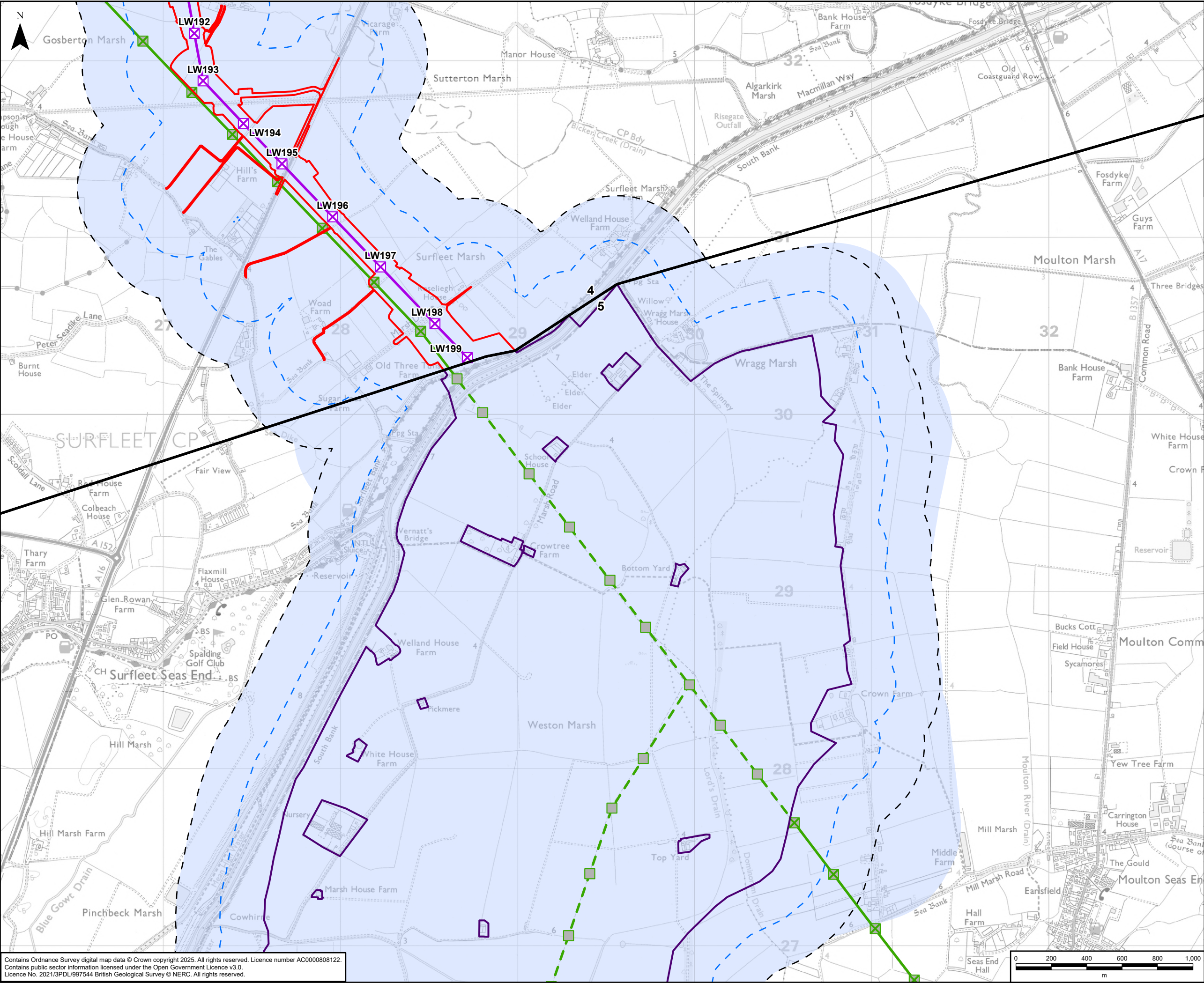
Bedrock Geology (BGS 50k)

Oxford Clay Formation - Mudstone

West Walton Formation - Mudstone and Siltstone

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Document Title:		FIGURE 7.2 BEDROCK GEOLOGY			
Creator:	Date:	Checker:	Date:	Approver:	Date:
LC	08/04/2025	SG	08/04/2025	DR	08/04/2025
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GRIMSBY TO WALPOLE LEGEND

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- Existing Lattice Pylon - Not Affected
- Indicative New Overhead Line
- Existing Overhead Line - Not Affected
- Existing Overhead Line - Within Weston Marsh Siting Zone that May Be Modified

Aquifer Designation: Superficial Deposits

- Unproductive Strata

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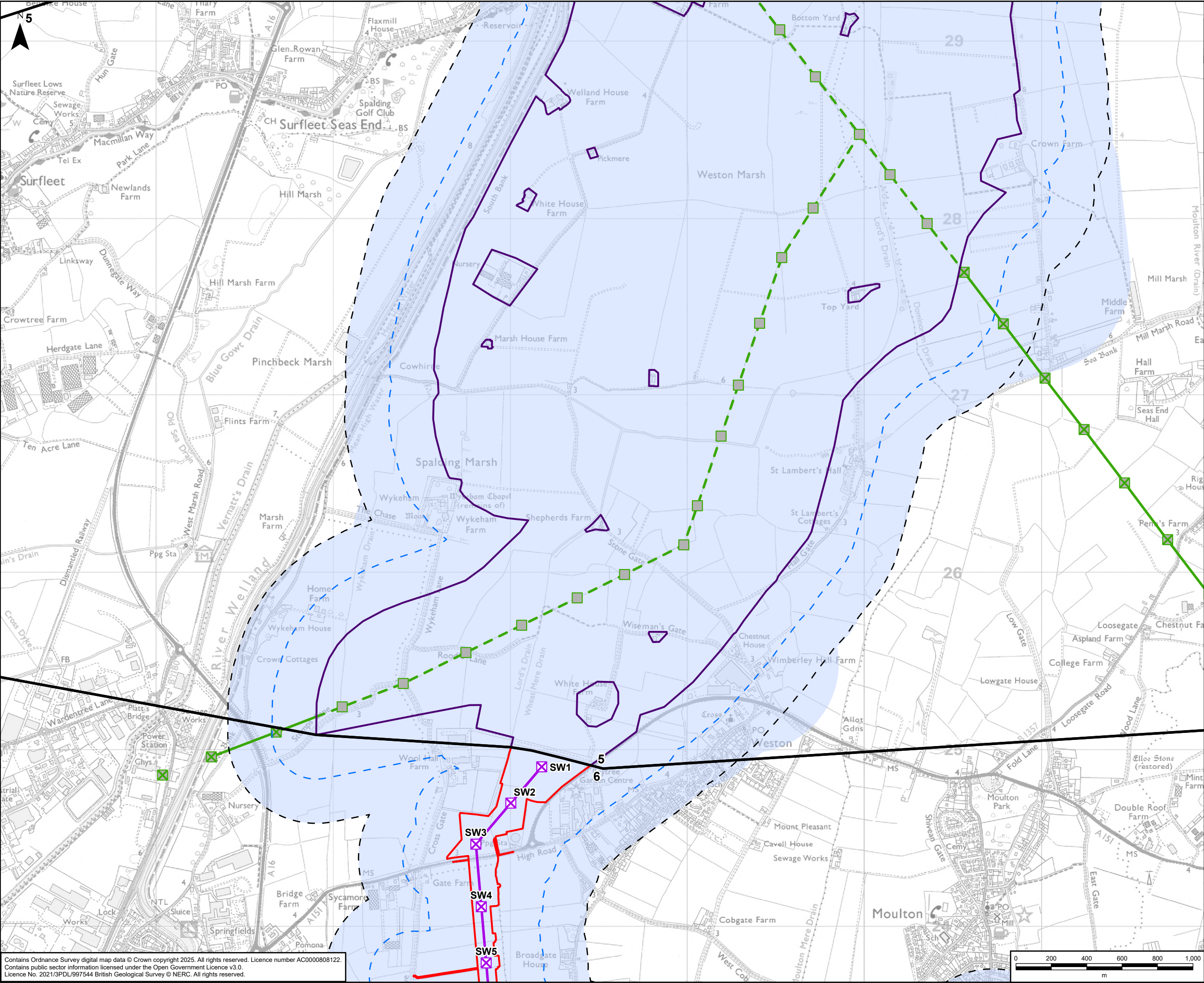
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Scheme: GRIMSBY TO WALPOLE

Document Title: FIGURE 7.3
AQUIFER DESIGNATIONS: SUPERFICIAL DEPOSITS

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GRIMSBY TO WALPOLE LEGEND

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- Existing Lattice Pylon - Not Affected
- Indicative New Overhead Line
- Existing Overhead Line - Not Affected
- Existing Overhead Line - Within Weston Marsh Siting Zone that May Be Modified
- Aquifer Designation: Superficial Deposits
- Unproductive Strata

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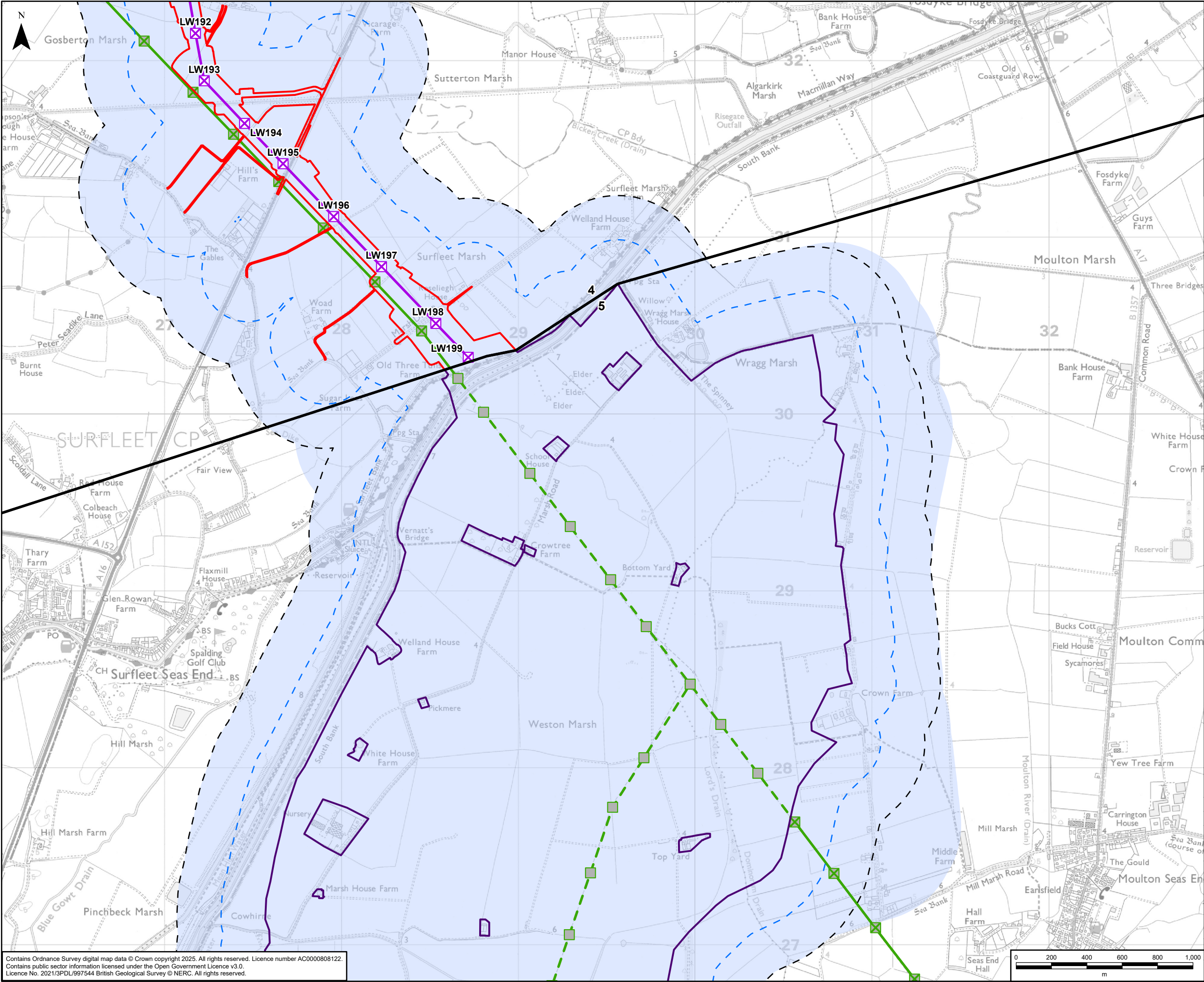
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GRIMSBY TO WALPOLE LEGEND

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- Existing Lattice Pylon - Not Affected
- Indicative New Overhead Line
- Existing Overhead Line - Not Affected
- Existing Overhead Line - Within Weston Marsh Siting Zone that May Be Modified

Aquifer Designation: Bedrock Geology

- Unproductive Strata

NOTE:
PWS - The abstracted unit is not known, and therefore may include abstractions from either superficial or bedrock geology.

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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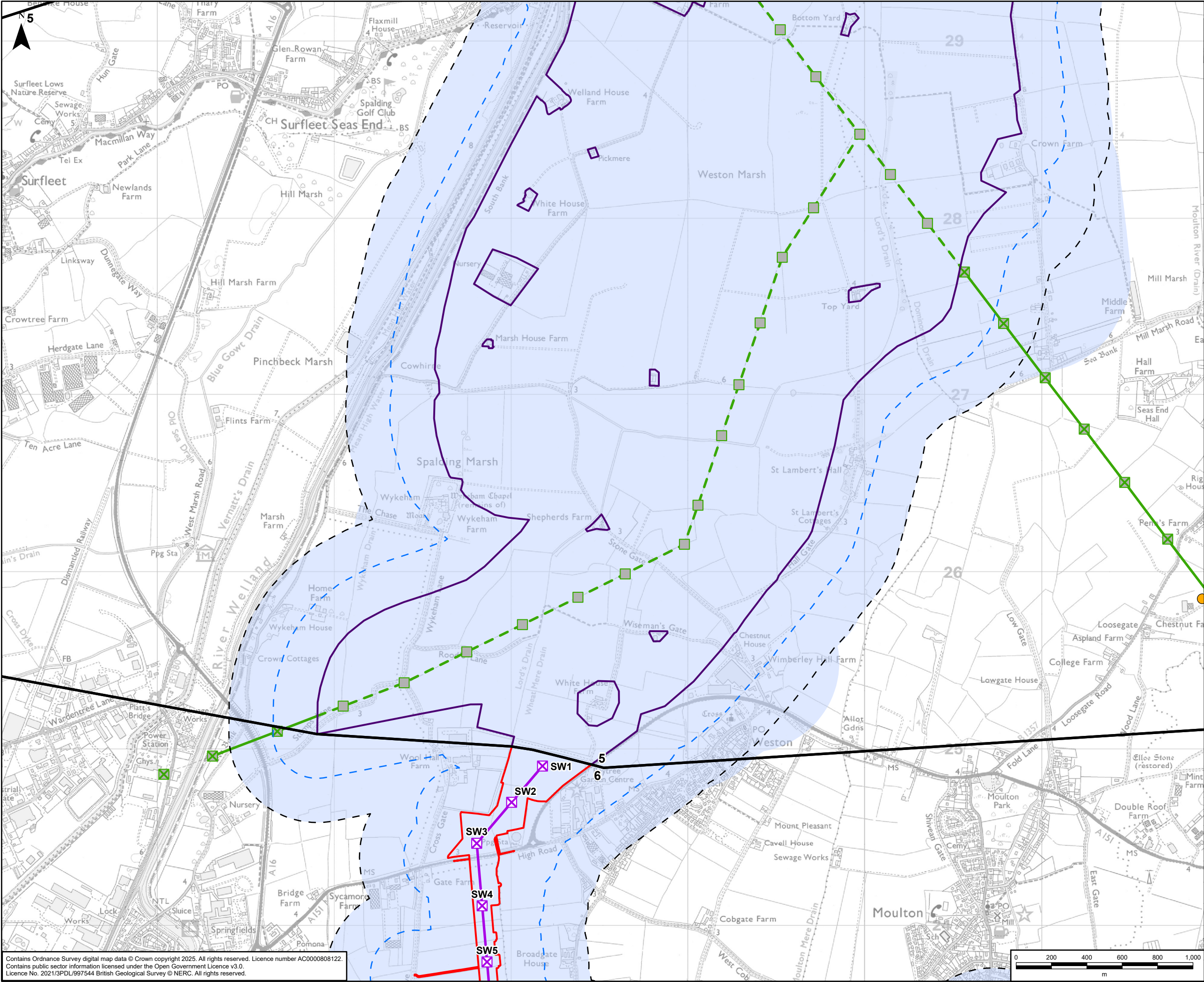
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Document Title: FIGURE 7.4
AQUIFER DESIGNATIONS: BEDROCK GEOLOGY

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GRIMSBY TO WALPOLE LEGEND

Legend

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- 250m Study Area
- 500m Study Area
- ✕ Indicative New Lattice Pylon
- Existing Lattice Pylon - Within Weston Marsh Siting Zone that May Be Modified
- Existing Lattice Pylon - Not Affected
- Indicative New Overhead Line
- Existing Overhead Line - Not Affected
- Existing Overhead Line - Within Weston Marsh Siting Zone that May Be Modified
- Private Water Supply Location

Aquifer Designation: Bedrock Geology

- Unproductive Strata

NOTE:
PWS - The abstracted unit is not known, and therefore may include abstractions from either superficial or bedrock geology.

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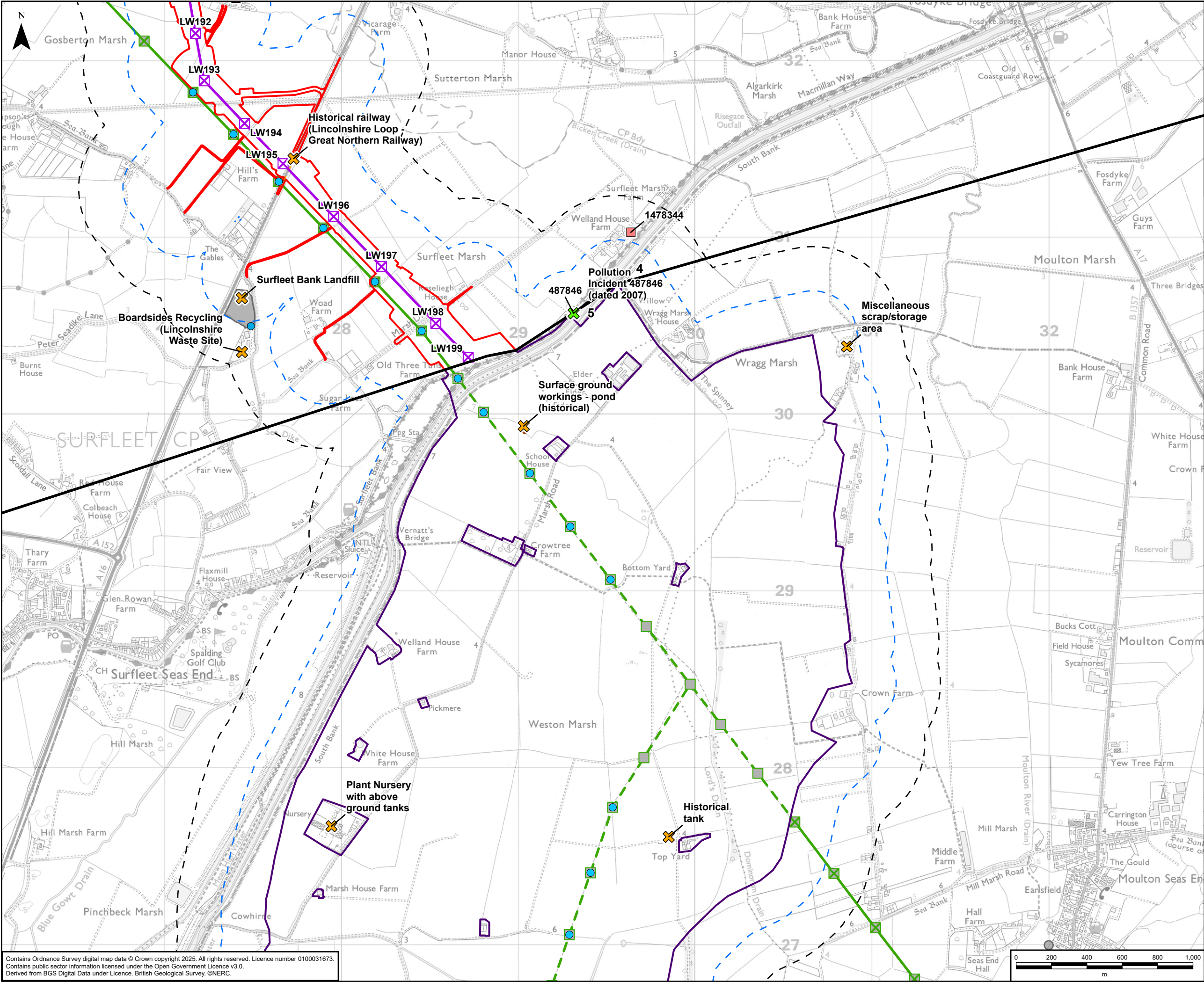
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Document Title: FIGURE 7.4
AQUIFER DESIGNATIONS: BEDROCK GEOLOGY

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- Indicative New Overhead Line
- Existing Overhead Line - Not Affected
- Existing Overhead Line - Within Weston Marsh Siting Zone that May Be Modified
- Pollution Incident Location (EA)
- Recent Industrial Land Uses
- Lincolnshire Waste Site (LCC)
- Historical Railway
- Surface Ground Workings
- Historic Landfill Site (EA)

Features of Contamination Potential

- Very Low
- Moderate

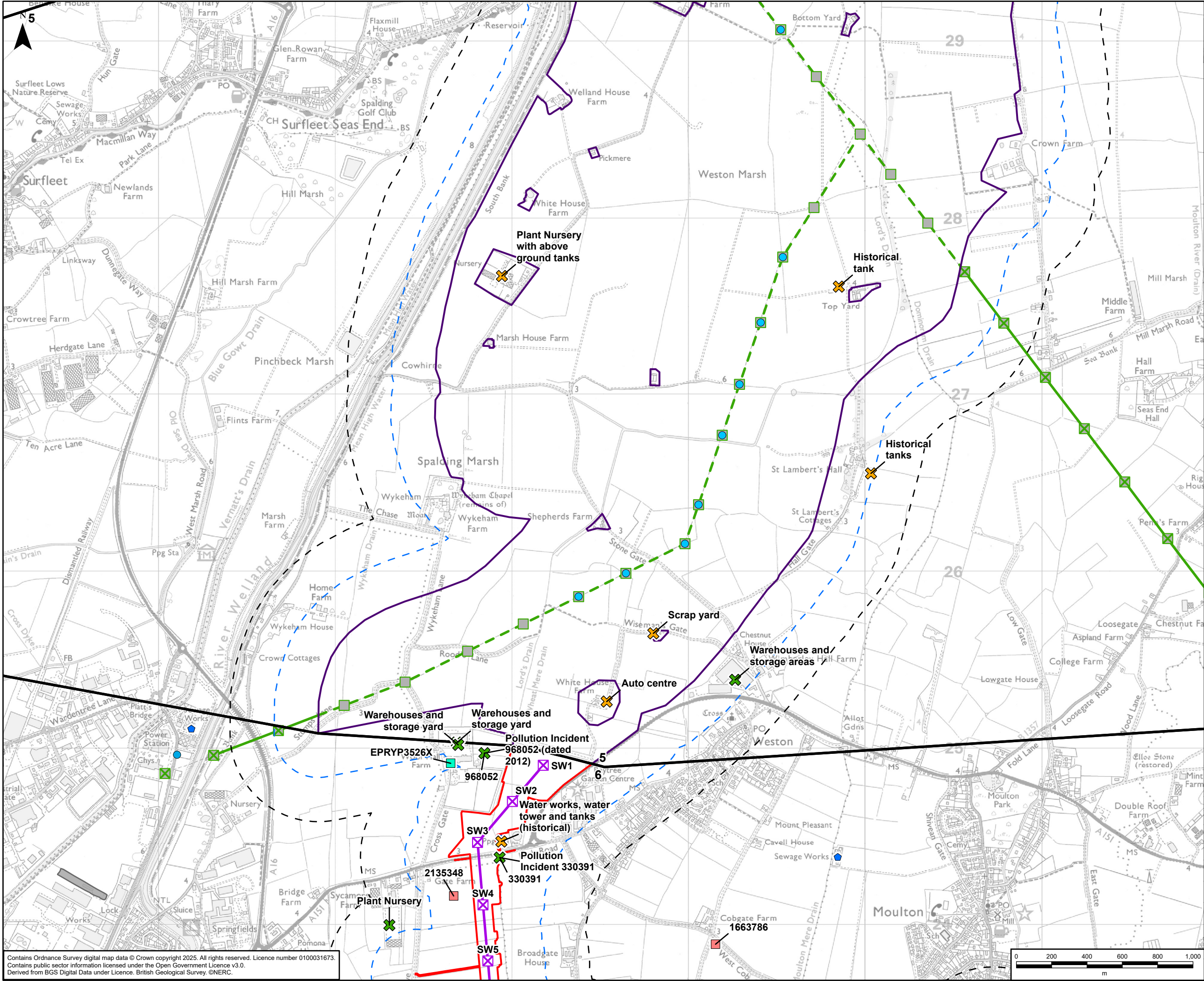
The potential contamination features shown on this drawing are represented by an indicative point location and not a polygon showing their extent. The extent of these features is discussed within the PEI Report where available/known.

LCC data sourced from the Lincolnshire Minerals and Waste Local Plan.
EA abstraction information has not been digitised as this is protected information.

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Purpose:	PEI REPORT - SECTION 5										
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Document Title:	FIGURE 7.5 LANDFILLS, WASTE AND POTENTIALLY CONTAMINATIVE PREVIOUS LAND USES										
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- Existing Lattice Pylon - Not Affected
- Indicative New Overhead Line
- Existing Overhead Line - Not Affected
- Existing Overhead Line - Within Weston Marsh Siting Zone that May Be Modified
- Pollution Incident Location (EA)
- Discharge Consent Location (EA)
- Recent Industrial Land Uses
- Sewage Treatment Works (LCC)
- Lincolnshire Waste Site (LCC)
- Historical Tank
- Historic Landfill Site (EA)

Features of Contamination Potential

- Low
- Moderate

The potential contamination features shown on this drawing are represented by an indicative point location and not a polygon showing their extent. The extent of these features is discussed within the PEI Report where available/known.

LCC data sourced from the Lincolnshire Minerals and Waste Local Plan.
EA abstraction information has not been digitised as this is protected information.

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Purpose: PEI REPORT - SECTION 5

Scheme: GRIMSBY TO WALPOLE

Document Title: FIGURE 7.5
LANDFILLS, WASTE AND POTENTIALLY CONTAMINATIVE PREVIOUS LAND USES

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