

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 black and white dog. The woman on the right is wearing a dark jacket and leggings. In the background, there are power lines and a cloudy sky.

**The Great Grid Upgrade**

Grimsby to Walpole

# Preliminary Environmental Information Report

Volume 2 Part B Section Specific Assessments

Section 7 New Walpole B Substation

Chapter 6 Water Environment and Flood Risk

Figures

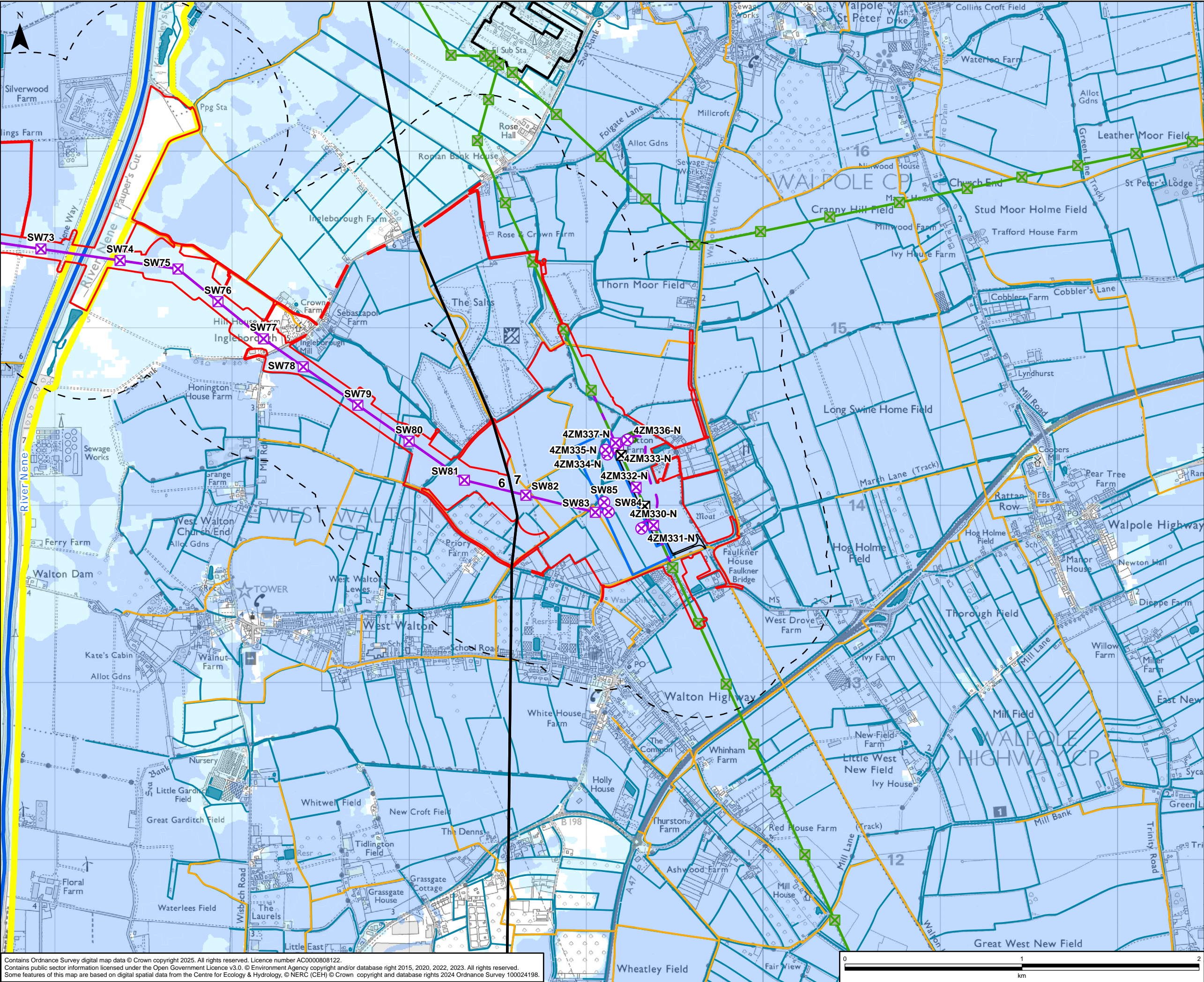
June 2025



# Volume 2 Part B Section 7 Chapter 6 – Figure List

Figure number	Figure title
Figure 6.1	Water Environment Receptors and Study Area
Figure 6.2	Principal Local Water Environment Regulators
Figure 6.3	Surface Water Flood Risk
Figure 6.4	Water Framework Directive Surface Water Body Status





GRIMSBY TO WALPOLE LEGEND

**Legend**

- Draft Order Limits
- Route Section Break
- 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
- Indicative New Underground Cable
- Existing Overhead Line - Not Affected
- Existing Overhead Line - To Be Dismantled
- Existing Overhead Line - To Be Modified
- Existing Substation Boundary
- Indicative New Substation Boundary
- Indicative Cable Sealing End Compound Boundary
- Indicative Permanent Substation Access Route
- Environment Agency Main River
- IDB Maintained Watercourse
- Ordinary Watercourse / Standing Water Body
- Spatial Flood Defence
- Flood Zone 2
- Flood Zone 3

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Rev	Date	Description	GIS	Chk	App

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Purpose: PEI REPORT - SECTION 7

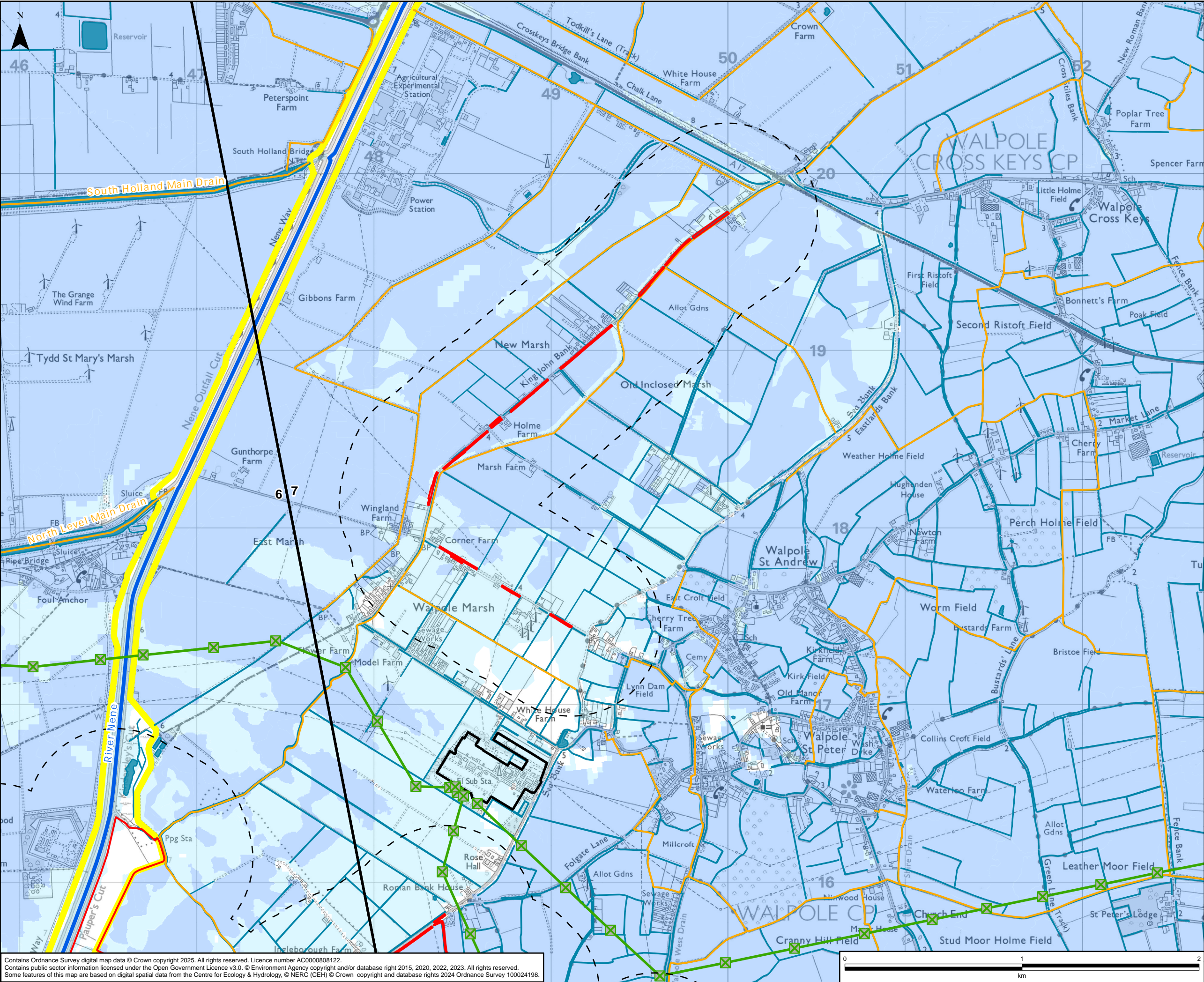
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WATER ENVIRONMENT RECEPTORS AND STUDY AREA

Creator: LC	Date: 14/05/2025	Checker: SA	Date: 14/05/2025	Approver: DR	Date: 14/05/2025
Document Type: FIGURE	Scale: 1:20,000	Format: A3	Sheets: 1 OF 2	Rev: A	

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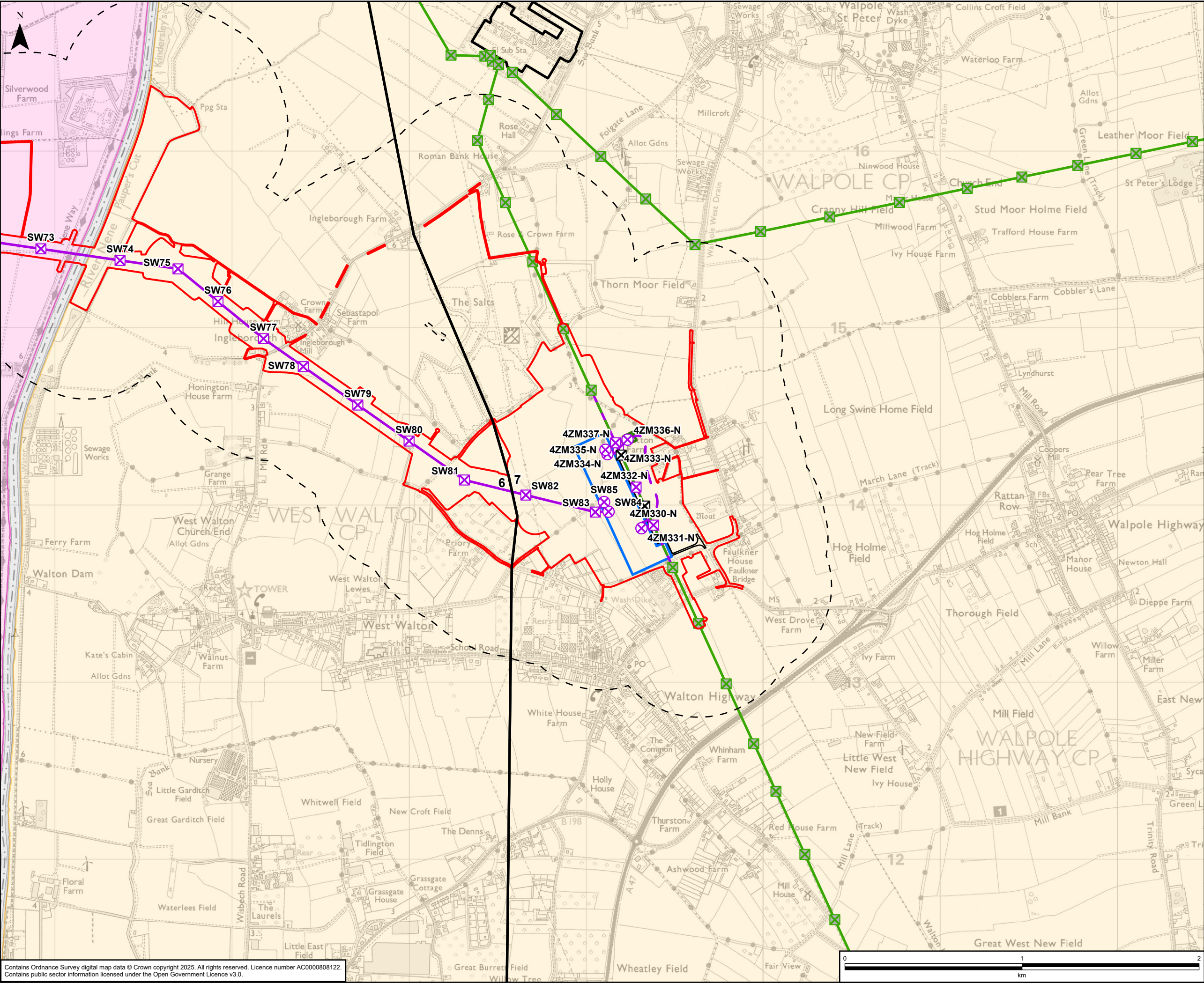
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LC	14/05/2025	SA	14/05/2025	DR	14/05/2025

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- Existing Overhead Line - To Be Modified
- Existing Substation Boundary
- Indicative New Substation Boundary
- Indicative Cable Sealing End Compound Boundary
- Indicative Permanent Substation Access Route
- North Level Internal Drainage Board Boundary
- Kings Lynn Internal Drainage Board Boundary

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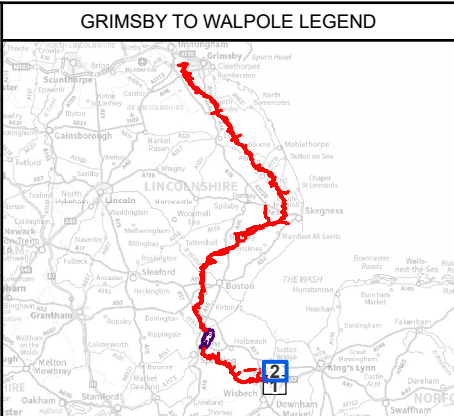
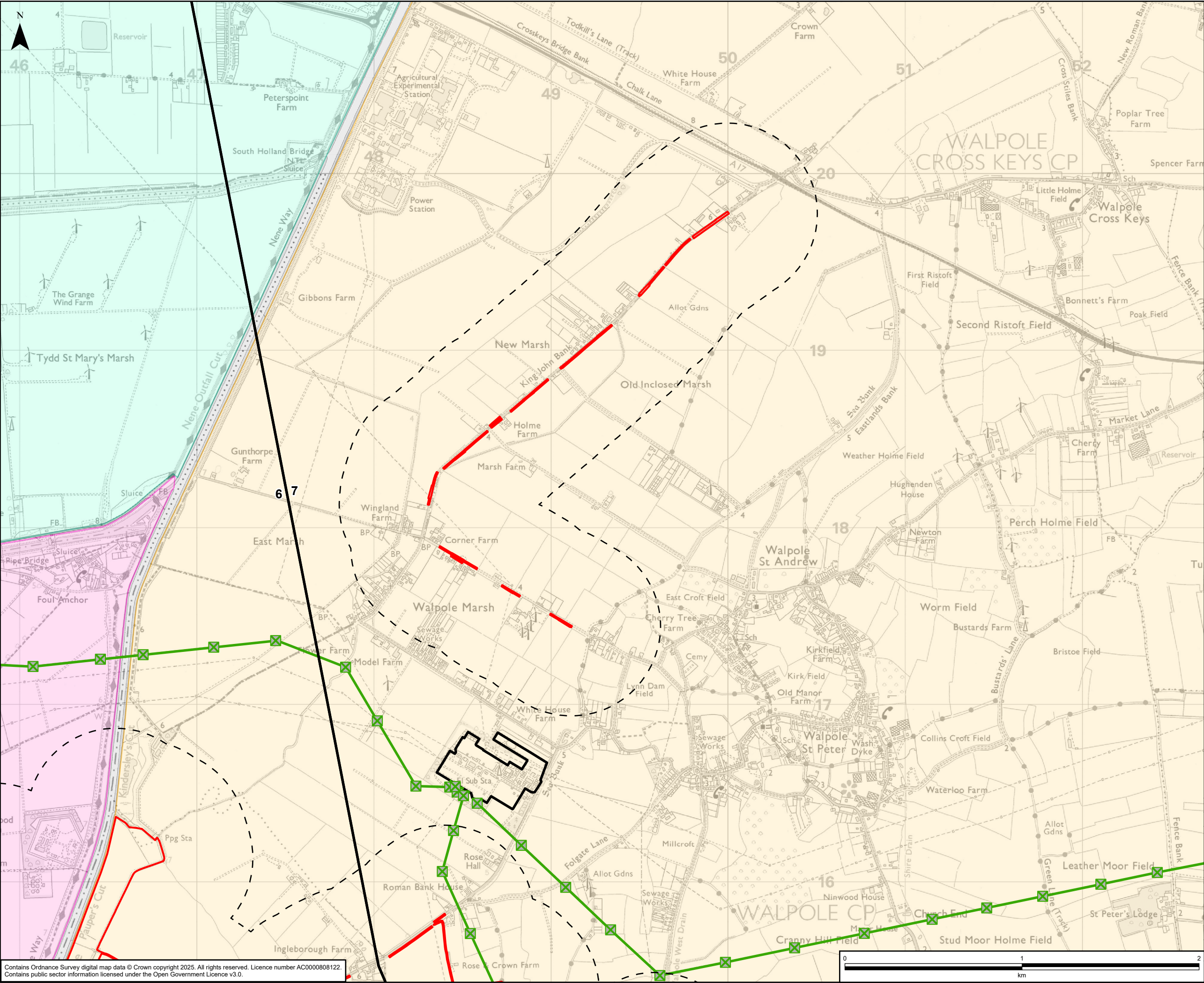
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PRINCIPAL LOCAL WATER ENVIRONMENT REGULATORS

Creator: LC	Date: 06/05/2025	Checker: SA	Date: 06/05/2025	Approver: DR	Date: 06/05/2025
Document Type: FIGURE	Scale: 1:20,000	Format: A3	Sheets: 1 OF 2	Rev: A	

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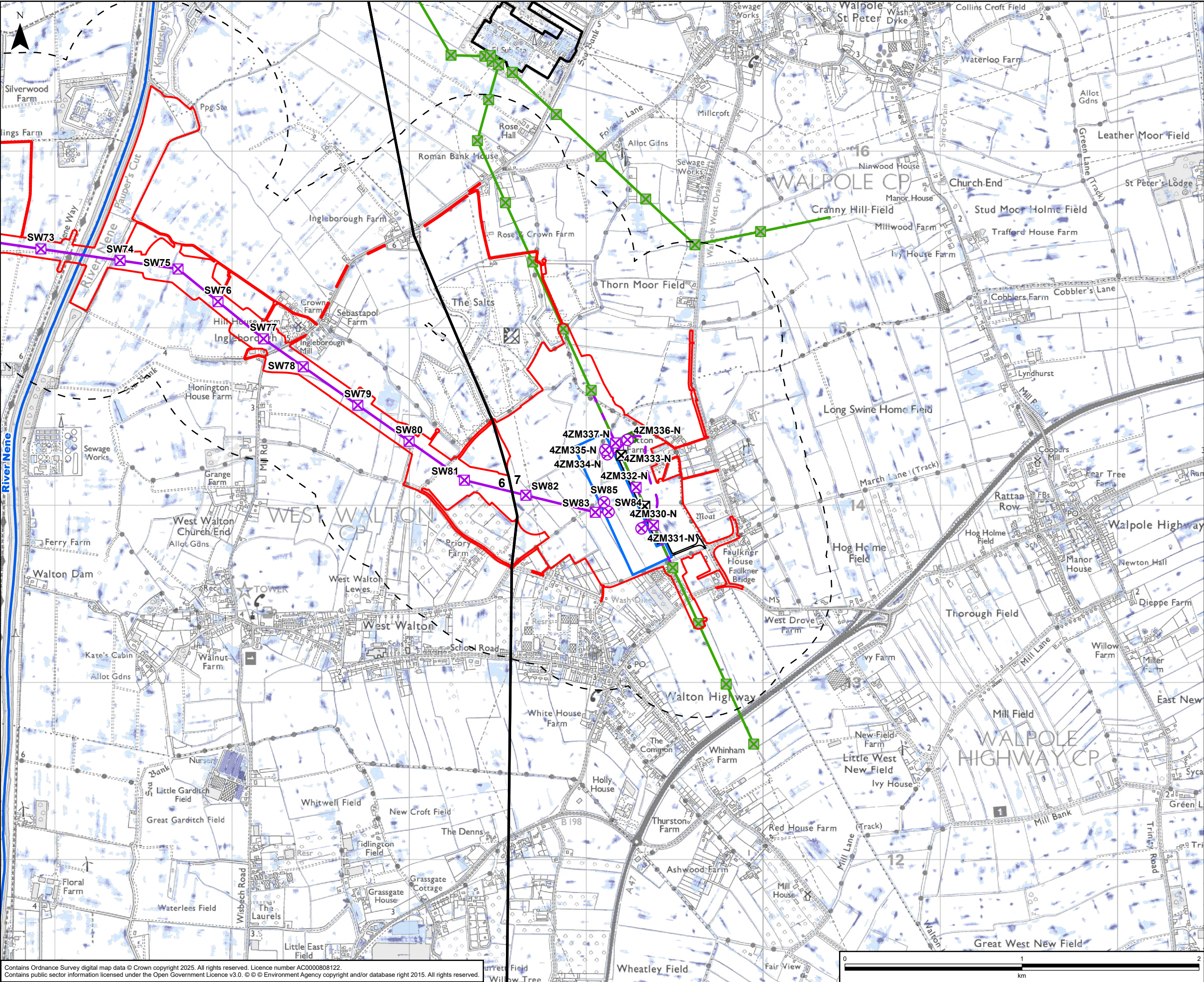


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- Draft Order Limits
  - Route Section Break
  - 500m Study Area
  - Existing Lattice Pylon - Not Affected
  - Existing Overhead Line - Not Affected
  - Existing Substation Boundary
  - North Level Internal Drainage Board Boundary
  - South Holland Internal Drainage Board Boundary
  - Kings Lynn Internal Drainage Board Boundary

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- Existing Overhead Line - Not Affected
- Existing Substation Boundary
- Indicative New Substation Boundary
- Indicative Cable Sealing End Compound Boundary
- Indicative Permanent Substation Access Route
- Environment Agency Main River

Risk of Flooding from Surface Water

- 1 in 30 Flood Extent
- 1 in 100 Flood Extent
- 1 in 1000 Flood Extent

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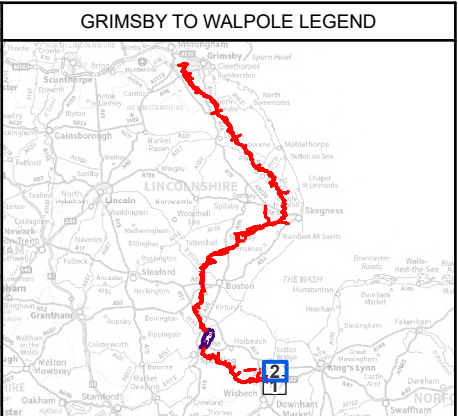
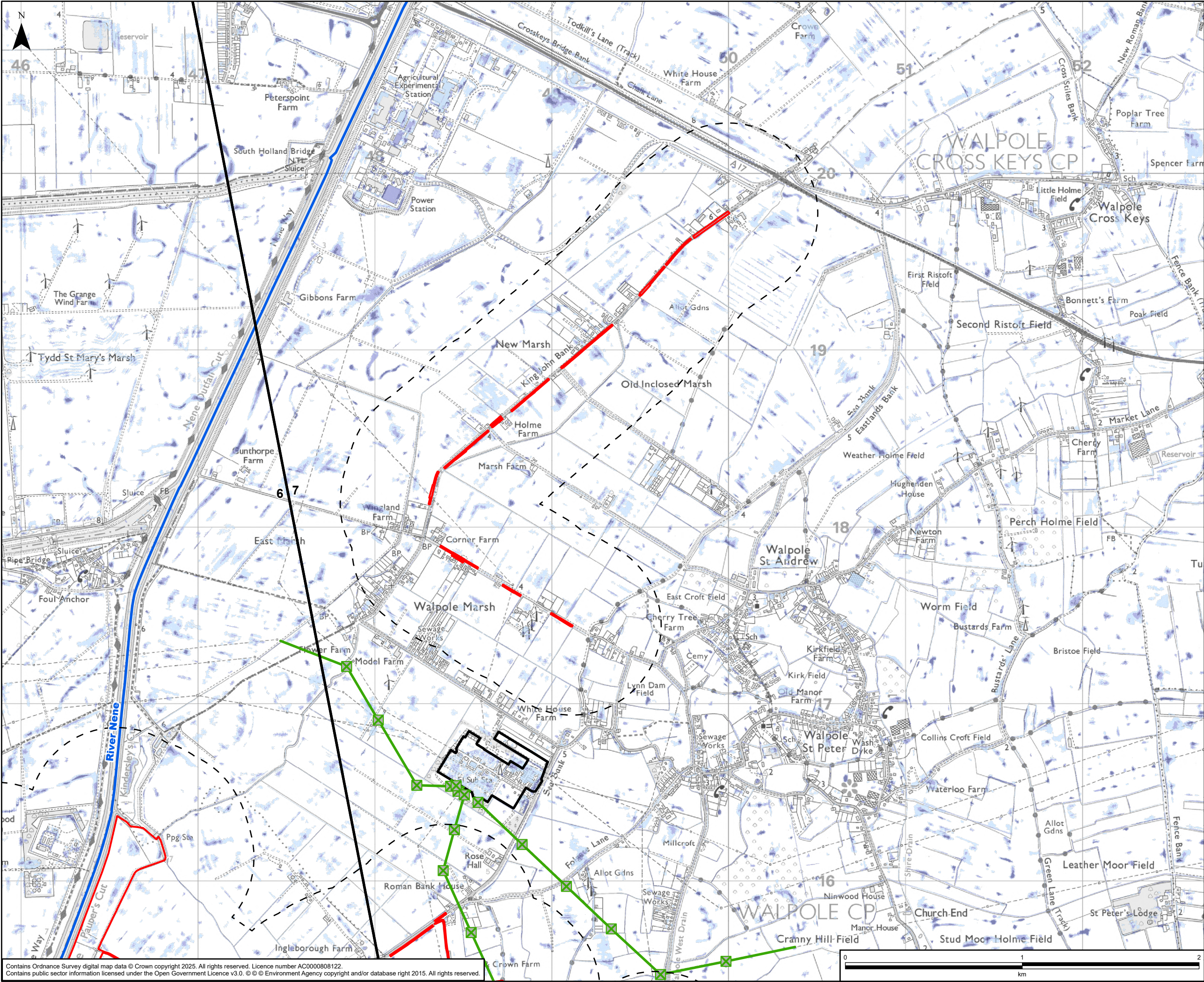
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Scheme: GRIMSBY TO WALPOLE

Document Title: FIGURE 6.3  
SURFACE WATER FLOOD RISK

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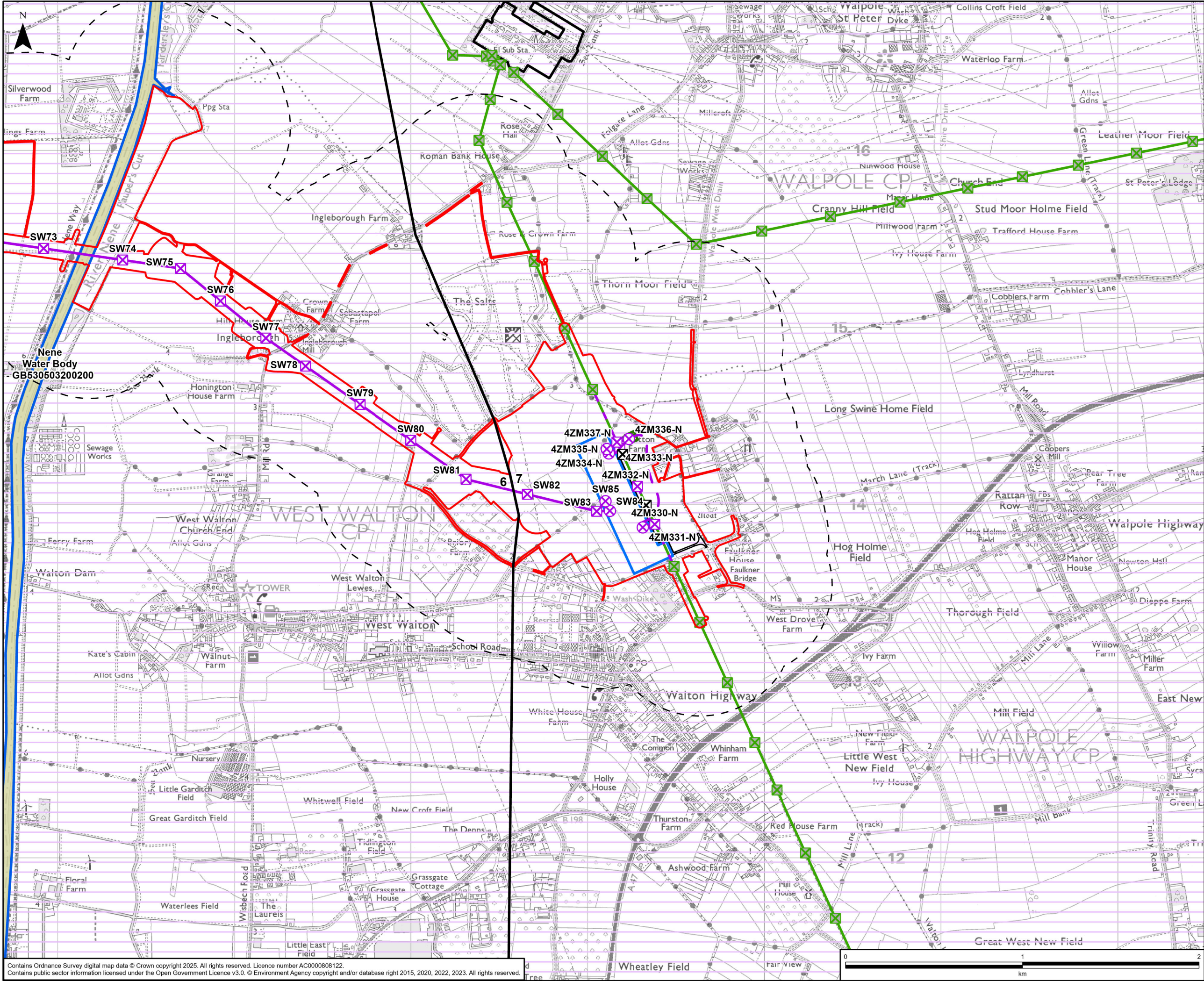
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- Existing Substation Boundary
- Indicative New Substation Boundary
- Indicative Cable Sealing End Compound Boundary
- Indicative Permanent Substation Access Route
- WFD Water Body
- WFD River Water Body Catchment Boundary
- Ecological Status - Cycle 3
- Non Reportable Water Body
- WFD Transitional Water Body Boundary Ecological Status - Cycle 3
- Moderate

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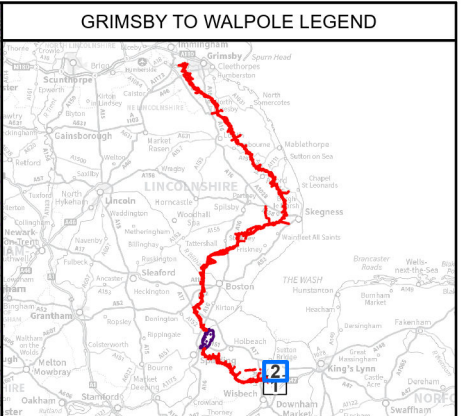
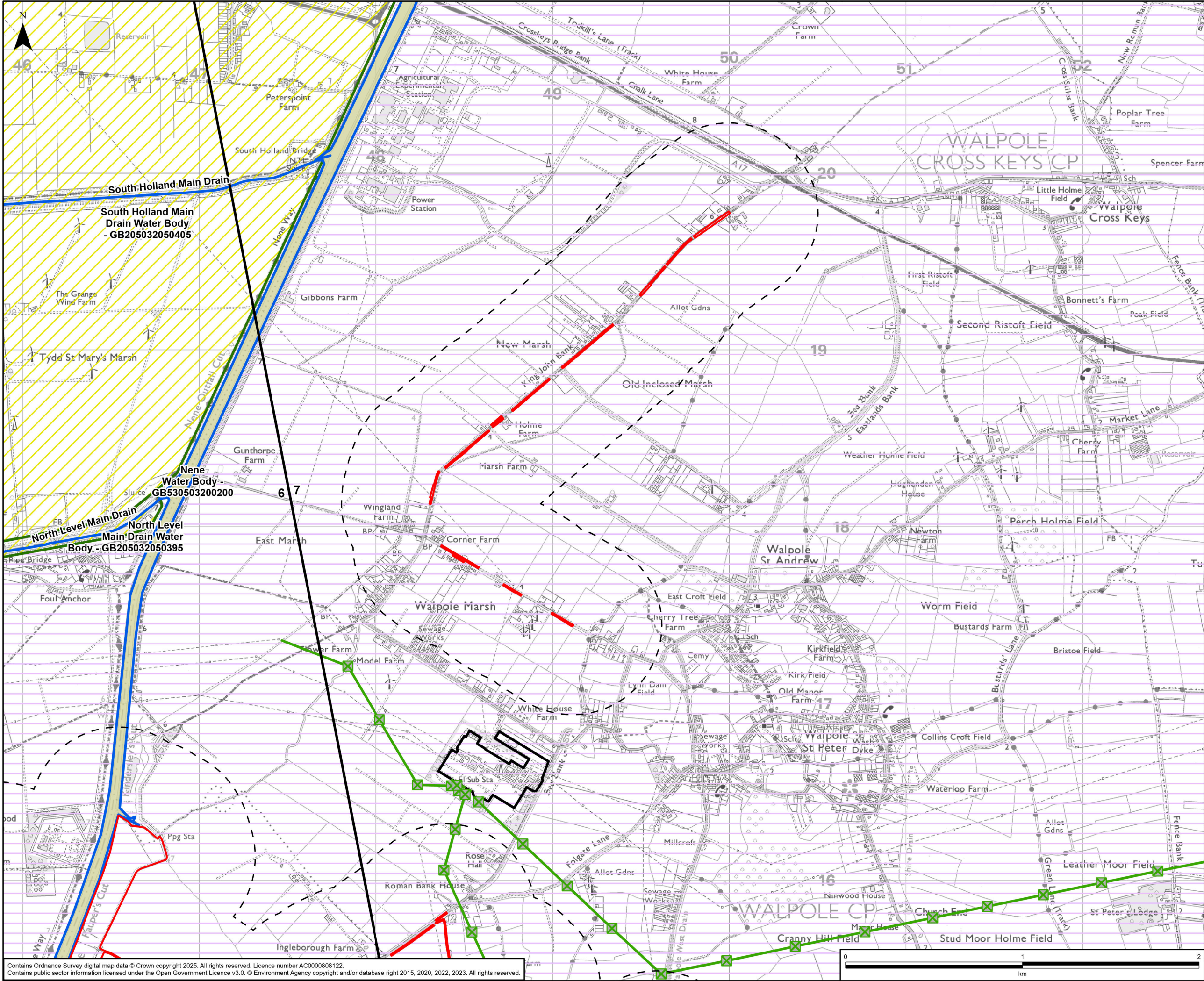
Purpose: PEI REPORT - SECTION 7

Scheme: GRIMSBY TO WALPOLE

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WATER FRAMEWORK DIRECTIVE SURFACE  
WATER BODY STATUS

Creator: LC	Date: 24/04/2025	Checker: SA	Date: 24/04/2025	Approver: DR	Date: 24/04/2025
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- WFD Water Body
- WFD River Water Body Catchment Boundary Ecological Status - Cycle 3
- Moderate
- Non Reportable Water Body
- WFD Transitional Water Body Boundary Ecological Status - Cycle 3
- Moderate

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