

The Great Grid Upgrade

Grimsby to Walpole

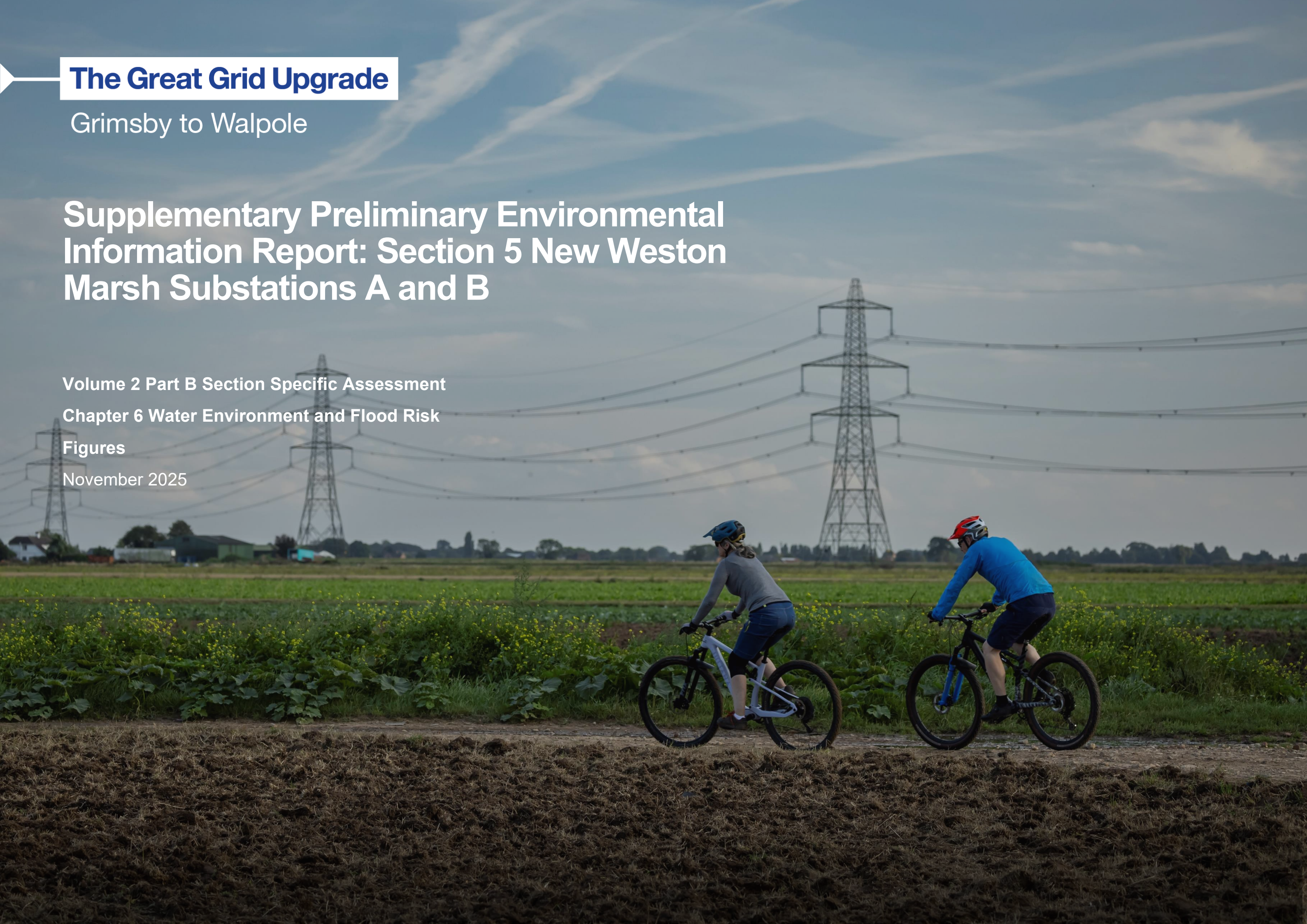
Supplementary Preliminary Environmental Information Report: Section 5 New Weston Marsh Substations A and B

Volume 2 Part B Section Specific Assessment

Chapter 6 Water Environment and Flood Risk

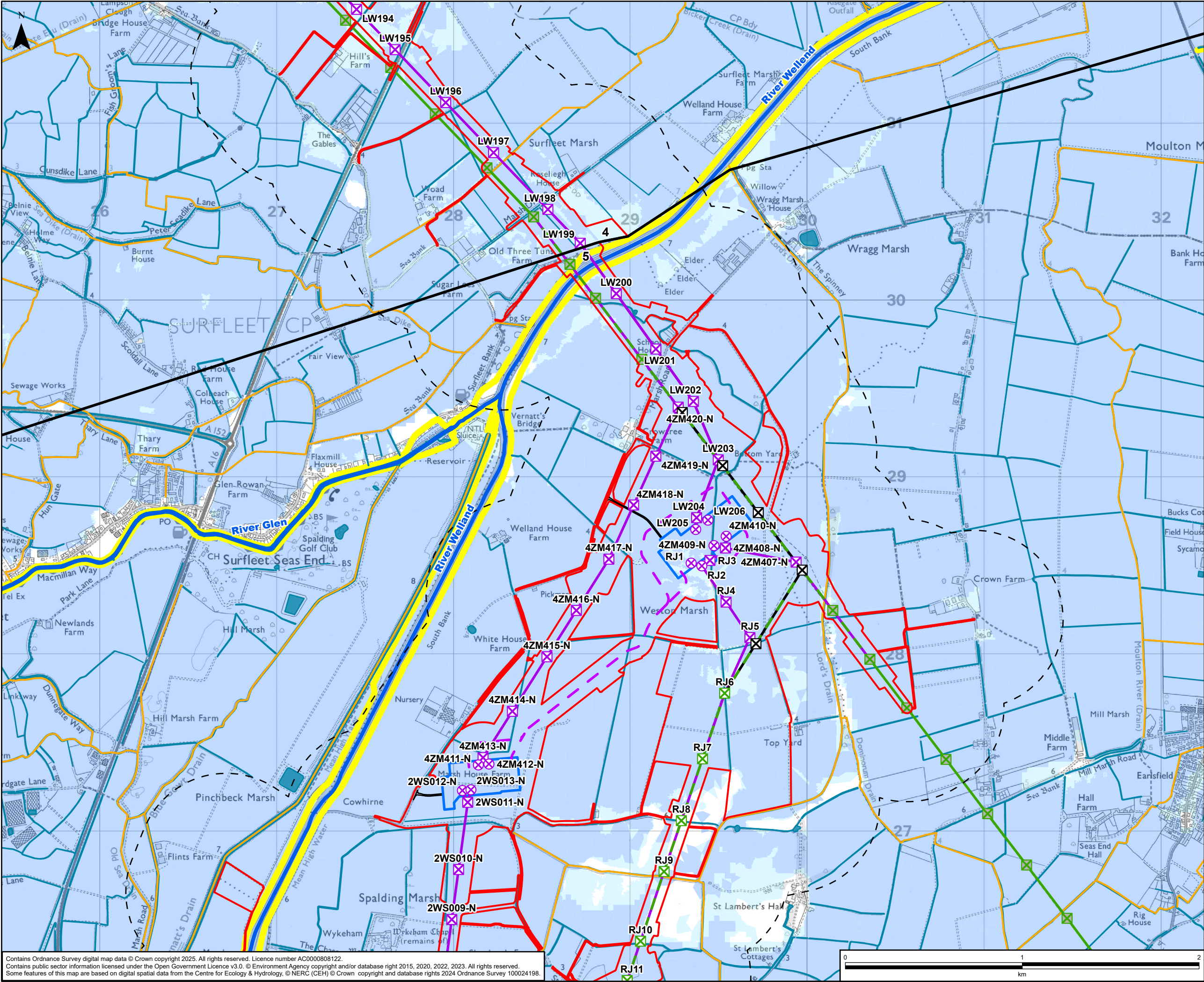
Figures

November 2025



Volume 2 Part B Section 5 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 Modified
- Existing Lattice Pylon - To Be Dismantled
- Indicative New Overhead Line
- Indicative New Underground Cable
- Existing Overhead Line - Not Affected
- Existing Overhead Line - To Be Modified
- Existing Overhead Line - To Be Dismantled
- Indicative New Substation 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

A	29/09/2025	First Issue	LC	SA	DR
Rev	Date	Description	GIS	Chk	App

nationalgrid

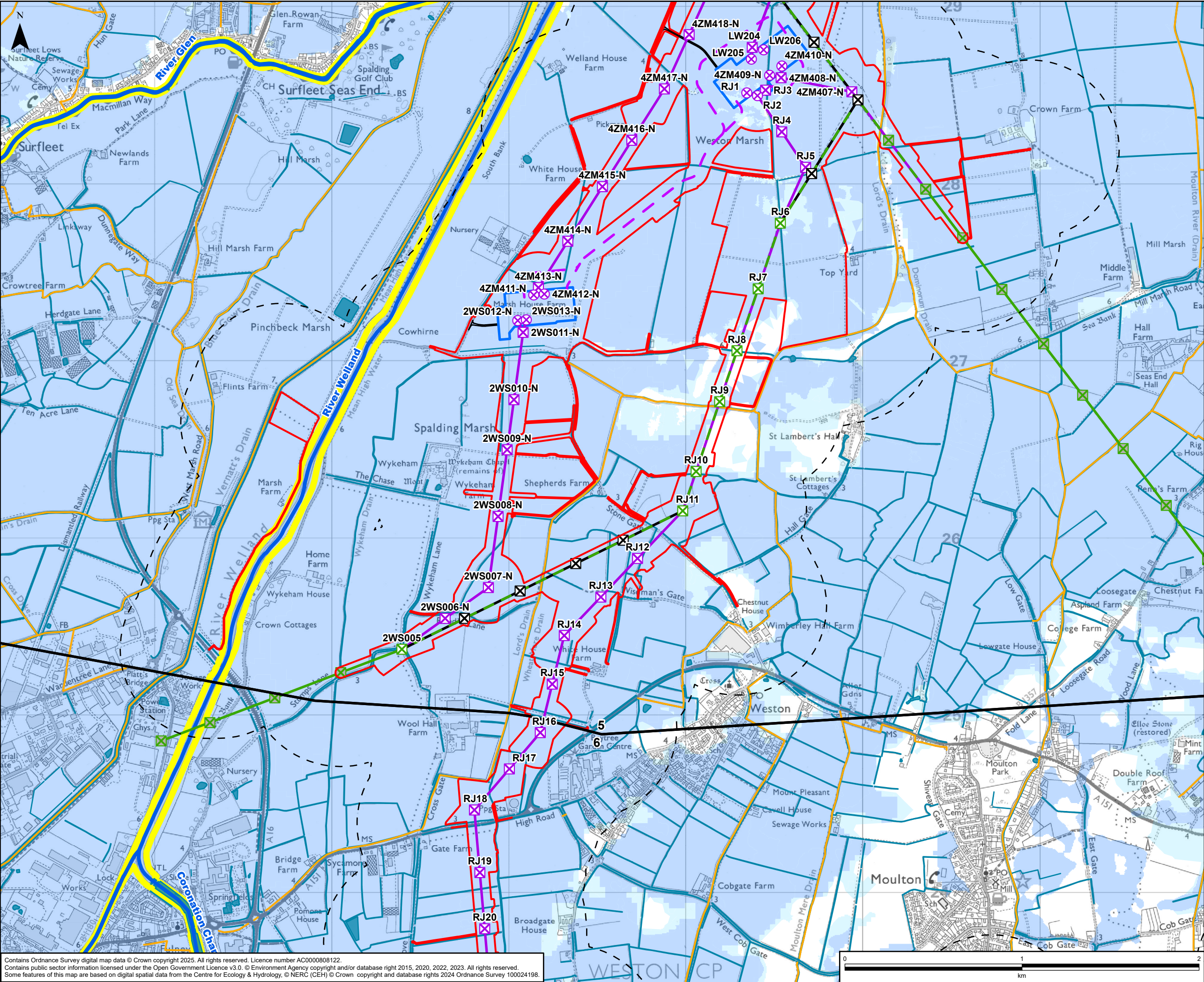
Purpose: SUPPLEMENTARY PEI REPORT - SECTION 5

Scheme: GRIMSBY TO WALPOLE

Document Title: FIGURE 6.1
WATER ENVIRONMENT RECEPTORS AND STUDY AREA

Creator: LC	Date: 29/09/2025	Checker: SA	Date: 29/09/2025	Approver: DR	Date: 29/09/2025
Document Type: FIGURE	Scale: 1:20,000	Format: A3	Sheets: 1 OF 2	Rev: A	

Contains Ordnance Survey digital map data © Crown copyright 2025. All rights reserved. Licence number AC000808122.
Contains public sector information licensed under the Open Government Licence v3.0. © Environment Agency copyright and/or database right 2015, 2020, 2022, 2023. All rights reserved.
Some features of this map are based on digital spatial data from the Centre for Ecology & Hydrology, © NERC (CEH) © Crown copyright and database rights 2024 Ordnance Survey 100024198.



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 Modified
- Existing Lattice Pylon - To Be Dismantled
- Indicative New Overhead Line
- Indicative New Underground Cable
- Existing Overhead Line - Not Affected
- Existing Overhead Line - To Be Modified
- Existing Overhead Line - To Be Dismantled
- Indicative New Substation 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

A	29/09/2025	First Issue	LC	SA	DR
Rev	Date	Description	GIS	Chk	App

nationalgrid

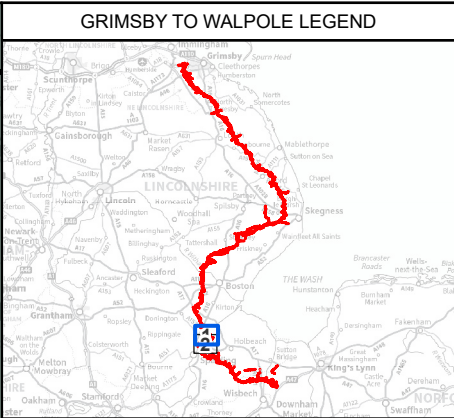
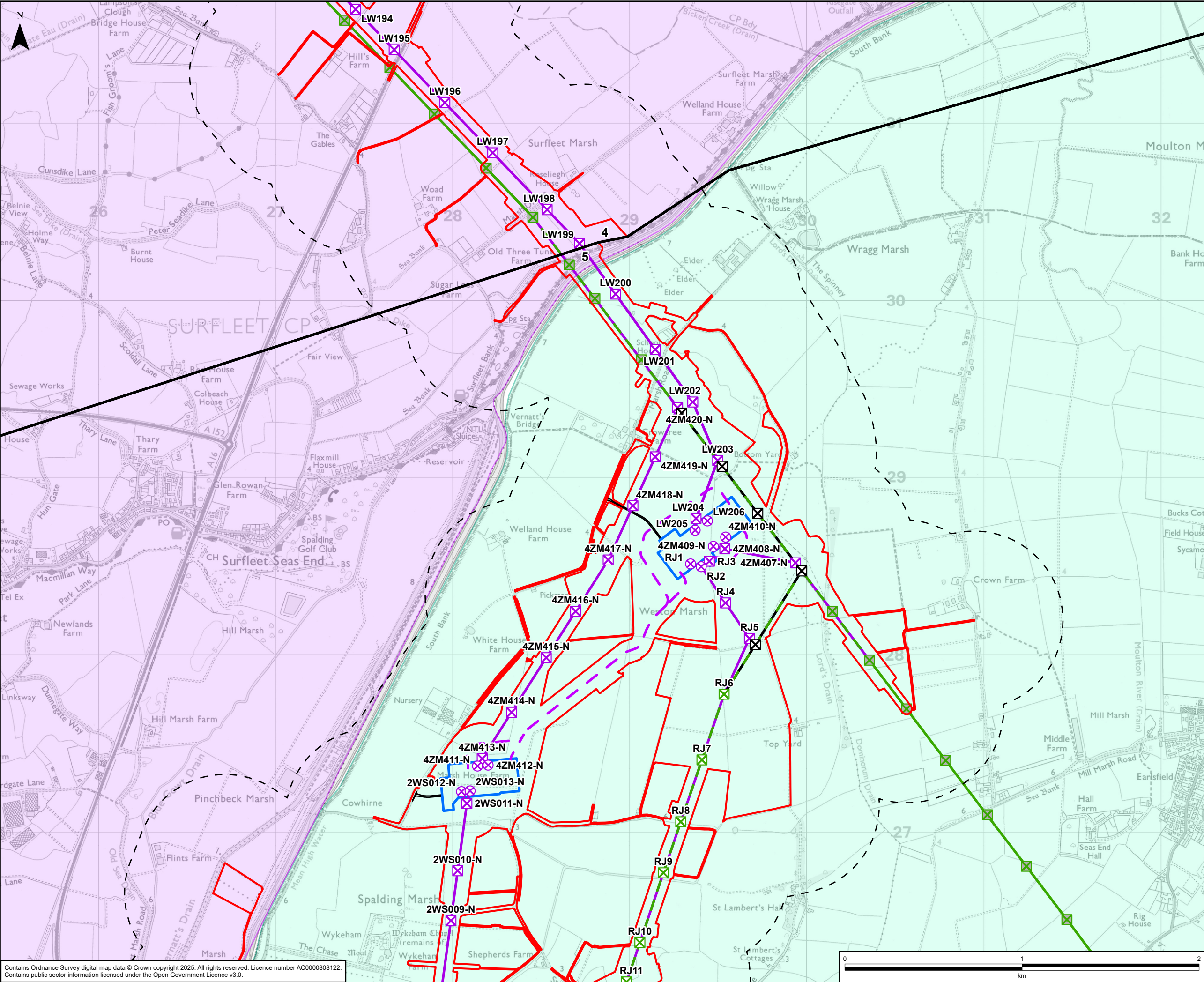
Purpose: SUPPLEMENTARY PEI REPORT - SECTION 5

Scheme: GRIMSBY TO WALPOLE

Document Title: FIGURE 6.1
WATER ENVIRONMENT RECEPTORS AND STUDY AREA

Creator: LC	Date: 29/09/2025	Checker: SA	Date: 29/09/2025	Approver: DR	Date: 29/09/2025
Document Type: FIGURE	Scale: 1:20,000	Format: A3	Sheets: 2 OF 2	Rev: A	

Contains Ordnance Survey digital map data © Crown copyright 2025. All rights reserved. Licence number AC0000808122.
Contains public sector information licensed under the Open Government Licence v3.0. © Environment Agency copyright and/or database right 2015, 2020, 2022, 2023. All rights reserved.
Some features of this map are based on digital spatial data from the Centre for Ecology & Hydrology, © NERC (CEH) © Crown copyright and database rights 2024 Ordnance Survey 100024198.



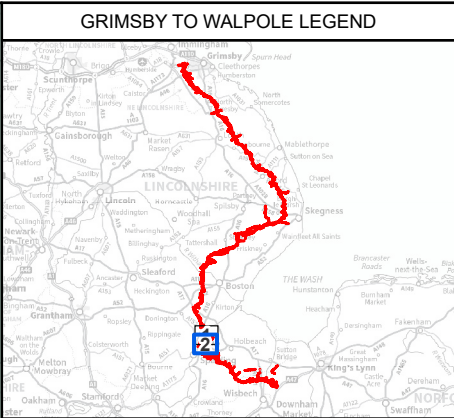
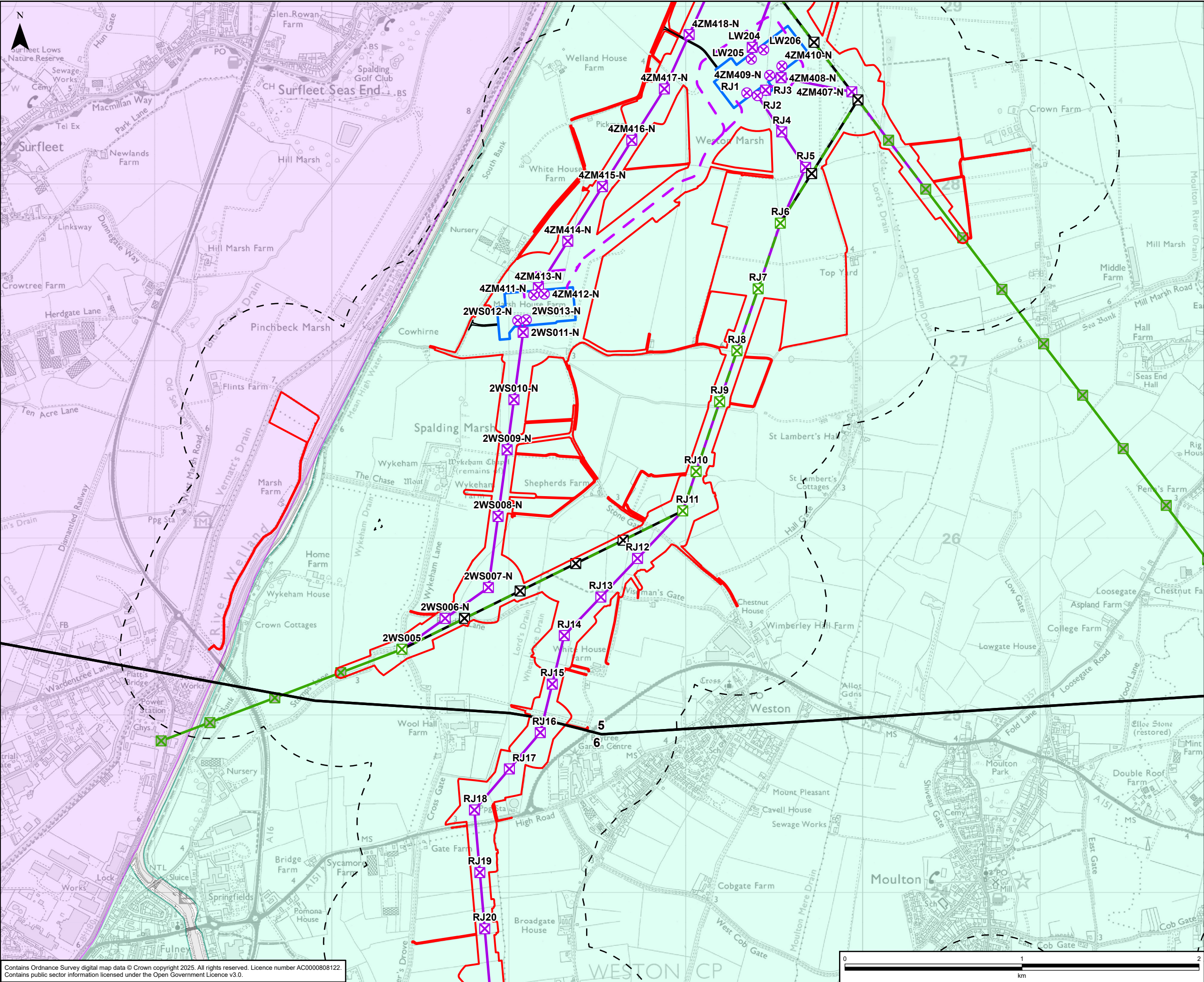
GRIMSBY TO WALPOLE LEGEND

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 Modified
- Existing Lattice Pylon - To Be Dismantled
- Indicative New Overhead Line
- Indicative New Underground Cable
- Existing Overhead Line - Not Affected
- Existing Overhead Line - To Be Modified
- Existing Overhead Line - To Be Dismantled
- Indicative New Substation Boundary
- Indicative Permanent Substation Access Route
- South Holland Internal Drainage Board Boundary
- Welland and Deeping Internal Drainage Board Boundary

A	29/09/2025	First Issue	LC	SA	DR
Rev	Date	Description	GIS	Chk	App
nationalgrid					
Purpose: SUPPLEMENTARY PEI REPORT - SECTION 5					
Scheme: GRIMSBY TO WALPOLE					
Document Title: FIGURE 6.2 PRINCIPAL LOCAL WATER ENVIRONMENT REGULATORS					
Creator: LC	Date: 29/09/2025	Checker: SA	Date: 29/09/2025	Approver: DR	Date: 29/09/2025
Document Type: FIGURE	Scale: 1:20,000	Format: A3	Sheets: 1 OF 2	Rev: A	

Contains Ordnance Survey digital map data © Crown copyright 2025. All rights reserved. Licence number AC0000808122.
Contains public sector information licensed under the Open Government Licence v3.0.



- GRIMSBY TO WALPOLE 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 Modified
 - Existing Lattice Pylon - To Be Dismantled
 - Indicative New Overhead Line
 - Indicative New Underground Cable
 - Existing Overhead Line - Not Affected
 - Existing Overhead Line - To Be Modified
 - Existing Overhead Line - To Be Dismantled
 - Indicative New Substation Boundary
 - Indicative Permanent Substation Access Route
 - South Holland Internal Drainage Board Boundary
 - Welland and Deeping Internal Drainage Board Boundary

A	29/09/2025	First Issue	LC	SA	DR
Rev	Date	Description	GIS	Chk	App

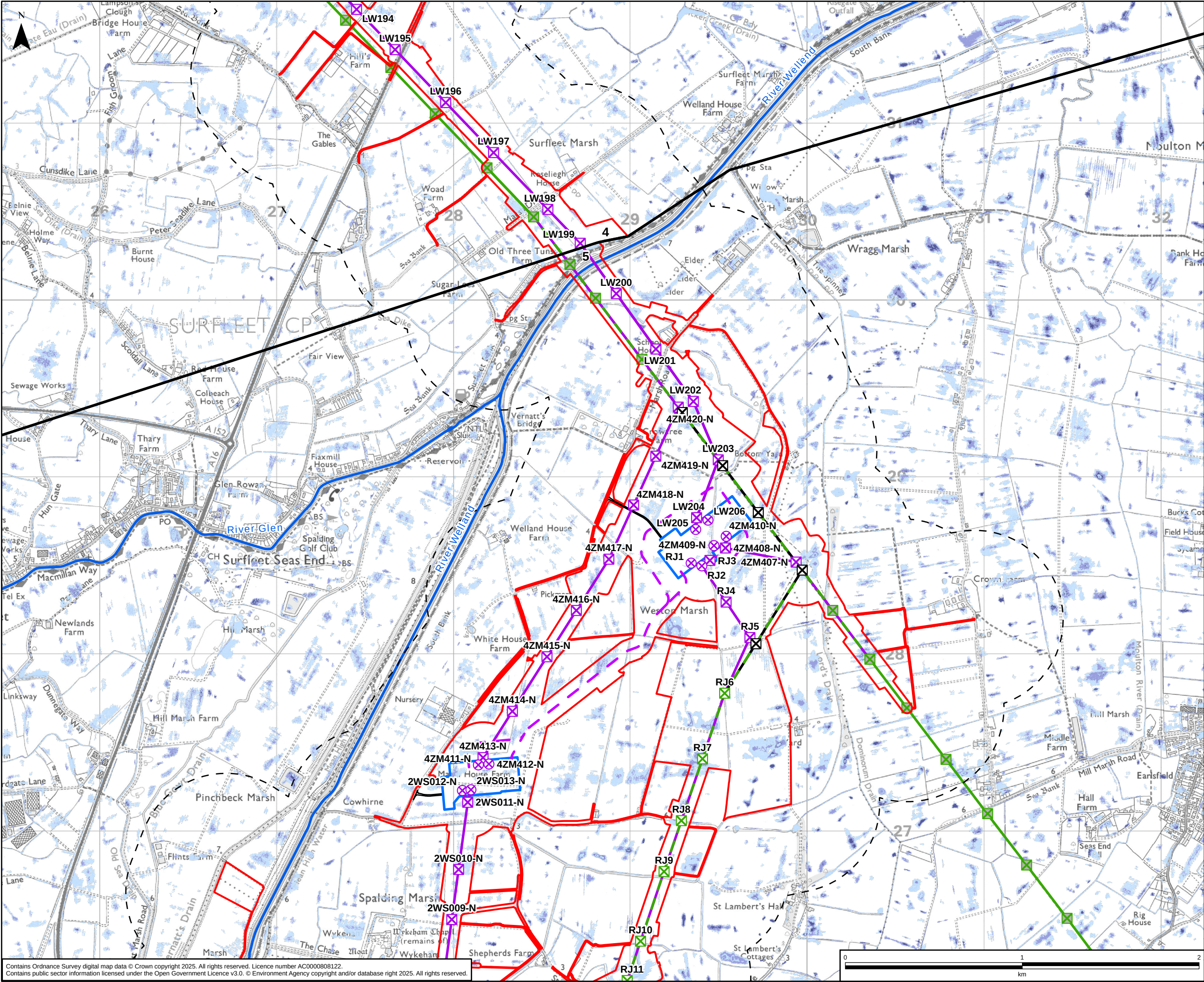
Purpose: SUPPLEMENTARY PEI REPORT - SECTION 5

Scheme: GRIMSBY TO WALPOLE

Document Title: FIGURE 6.2
PRINCIPAL LOCAL WATER ENVIRONMENT REGULATORS

Creator: LC	Date: 29/09/2025	Checker: SA	Date: 29/09/2025	Approver: DR	Date: 29/09/2025
Document Type: FIGURE	Scale: 1:20,000	Format: A3	Sheets: 2 OF 2	Rev: A	

Contains Ordnance Survey digital map data © Crown copyright 2025. All rights reserved. Licence number AC0000808122.
Contains public sector information licensed under the Open Government Licence v3.0.



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 Modified
- Existing Lattice Pylon - To Be Dismantled
- Indicative New Overhead Line
- Indicative New Underground Cable
- Existing Overhead Line - Not Affected
- Existing Overhead Line - To Be Modified
- Existing Overhead Line - To Be Dismantled
- Indicative New Substation 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

A	27/10/2025	First Issue	LC	SA	DR
Rev	Date	Description	GIS	Chk	App

nationalgrid

Purpose: PEI REPORT - SECTION 5

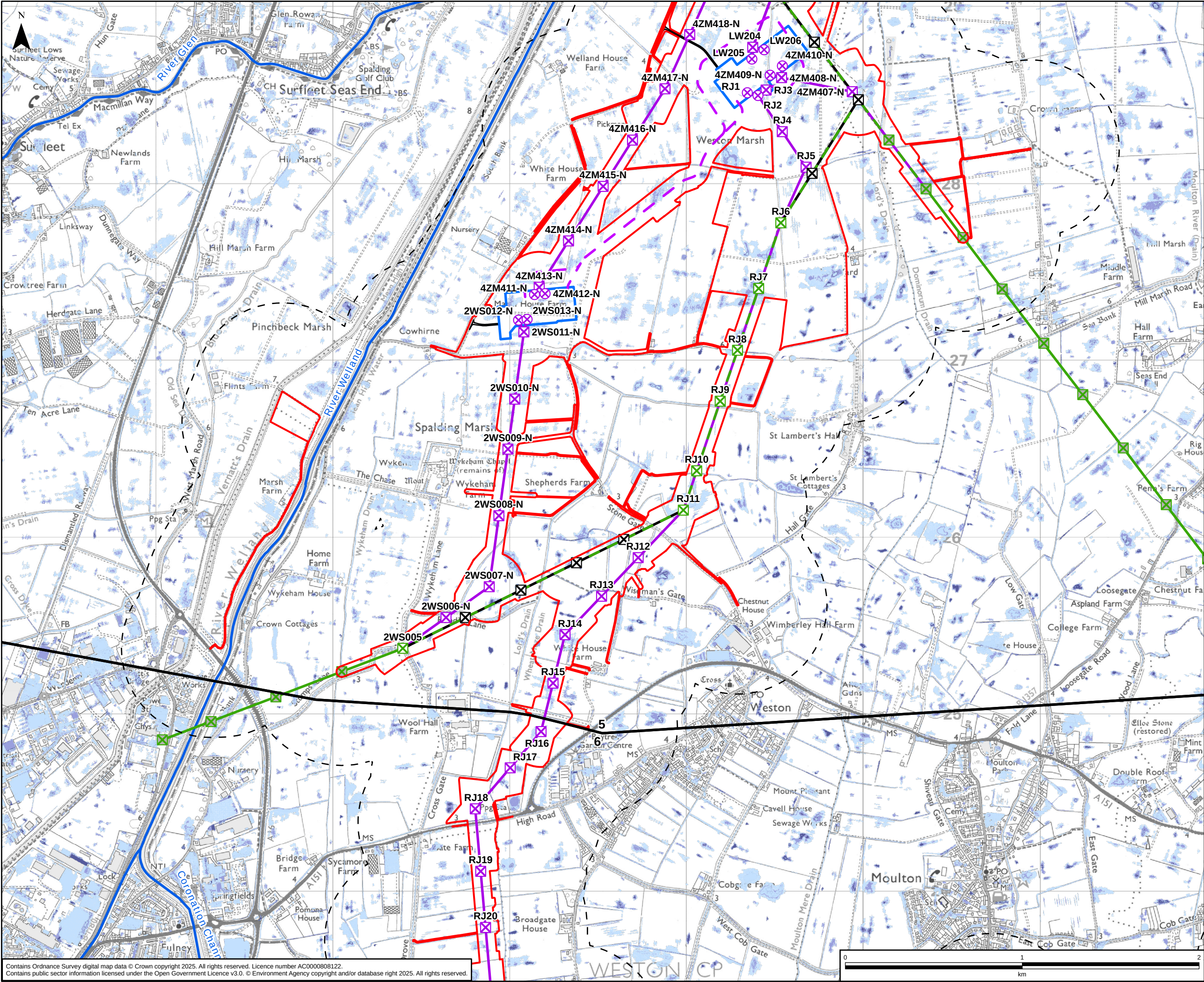
Scheme: GRIMSBY TO WALPOLE

Document Title: FIGURE 6.3
SURFACE WATER FLOOD RISK

Creator: LC	Date: 27/10/2025	Checker: SA	Date: 27/10/2025	Approver: DR	Date: 27/10/2025
-------------	------------------	-------------	------------------	--------------	------------------

Document Type: FIGURE	Scale: 1:20,000	Format: A3	Sheets: 1 OF 2	Rev: A
-----------------------	-----------------	------------	----------------	--------

Contains Ordnance Survey digital map data © Crown copyright 2025. All rights reserved. Licence number AC0000808122.
Contains public sector information licensed under the Open Government Licence v3.0. © Environment Agency copyright and/or database right 2025. All rights reserved.



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 Modified
- Existing Lattice Pylon - To Be Dismantled
- Indicative New Overhead Line
- Indicative New Underground Cable
- Existing Overhead Line - Not Affected
- Existing Overhead Line - To Be Modified
- Existing Overhead Line - To Be Dismantled
- Indicative New Substation 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

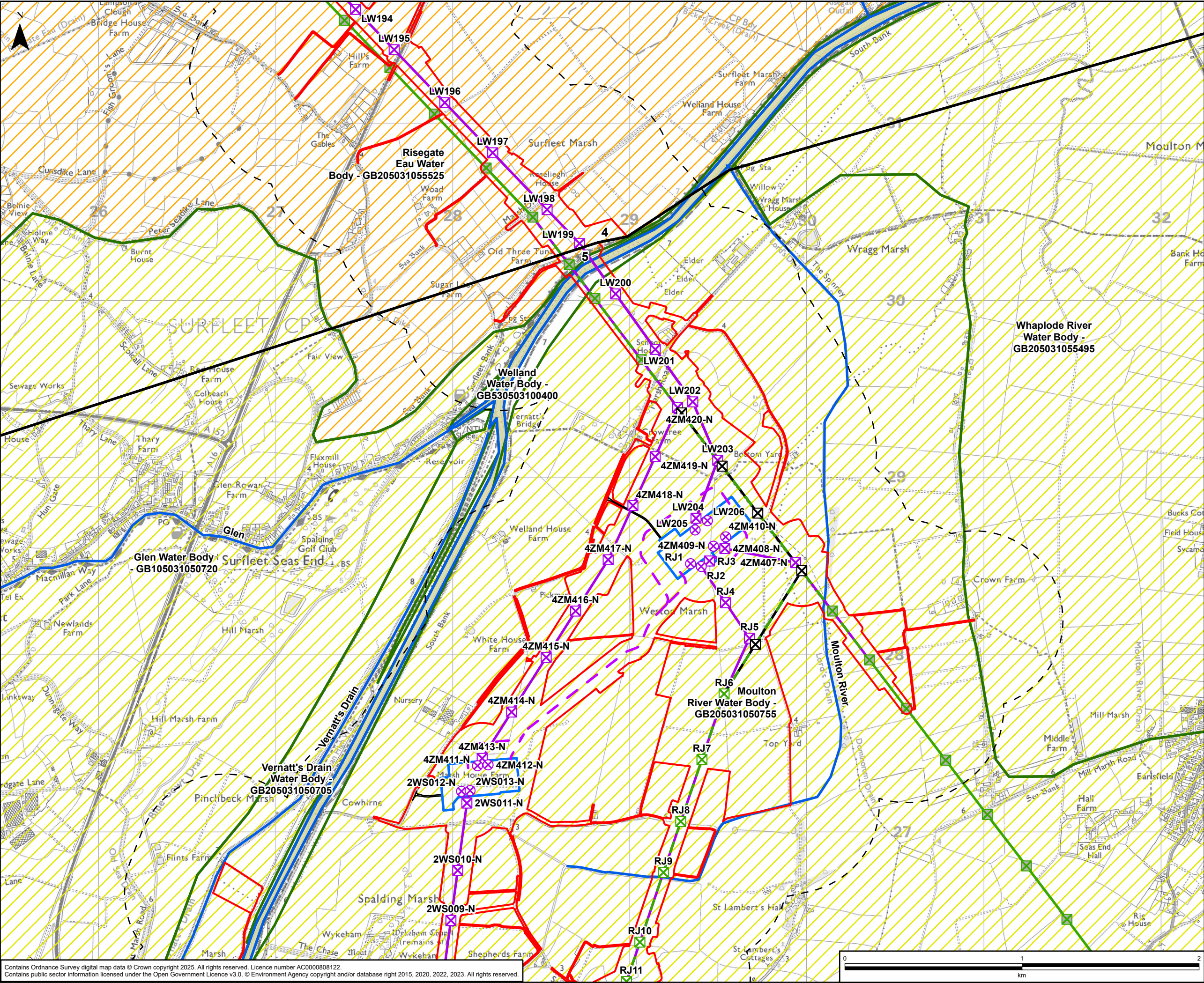
nationalgrid

Purpose: PEI REPORT - SECTION 5

Scheme: GRIMSBY TO WALPOLE

Document Title: FIGURE 6.3
SURFACE WATER FLOOD RISK

Creator: LC	Date: 27/10/2025	Checker: SA	Date: 27/10/2025	Approver: DR	Date: 27/10/2025
Document Type: FIGURE	Scale: 1:20,000	Format: A3	Sheets: 2 OF 2	Rev: A	



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 Modified

Existing Lattice Pylon - To Be Dismantled

Indicative New Overhead Line

Indicative New Underground Cable

Existing Overhead Line - Not Affected

Existing Overhead Line - To Be Modified

Existing Overhead Line - To Be Dismantled

Indicative New Substation Boundary

Indicative Permanent Substation Access Route

WFD Water Body

WFD Transitional Water Body Boundary Ecological Status - Cycle 3

Moderate

Moderate

Poor

A	29/09/2025	First Issue	LC	SA	DR
Rev	Date	Description	GIS	Chk	App

nationalgrid

Purpose

SUPPLEMENTARY PEI REPORT - SECTION 5

Scheme

GRIMSBY TO WALPOLE

Document Title

FIGURE 6.4
WATER FRAMEWORK DIRECTIVE SURFACE
WATER BODY STATUS

Creator

LC

Date

29/09/2025

Checker

SA

Date

29/09/2025

Approver

DR

Date

29/09/2025

Document Type

FIGURE

Scale

1:20,000

Format

A3

Sheets

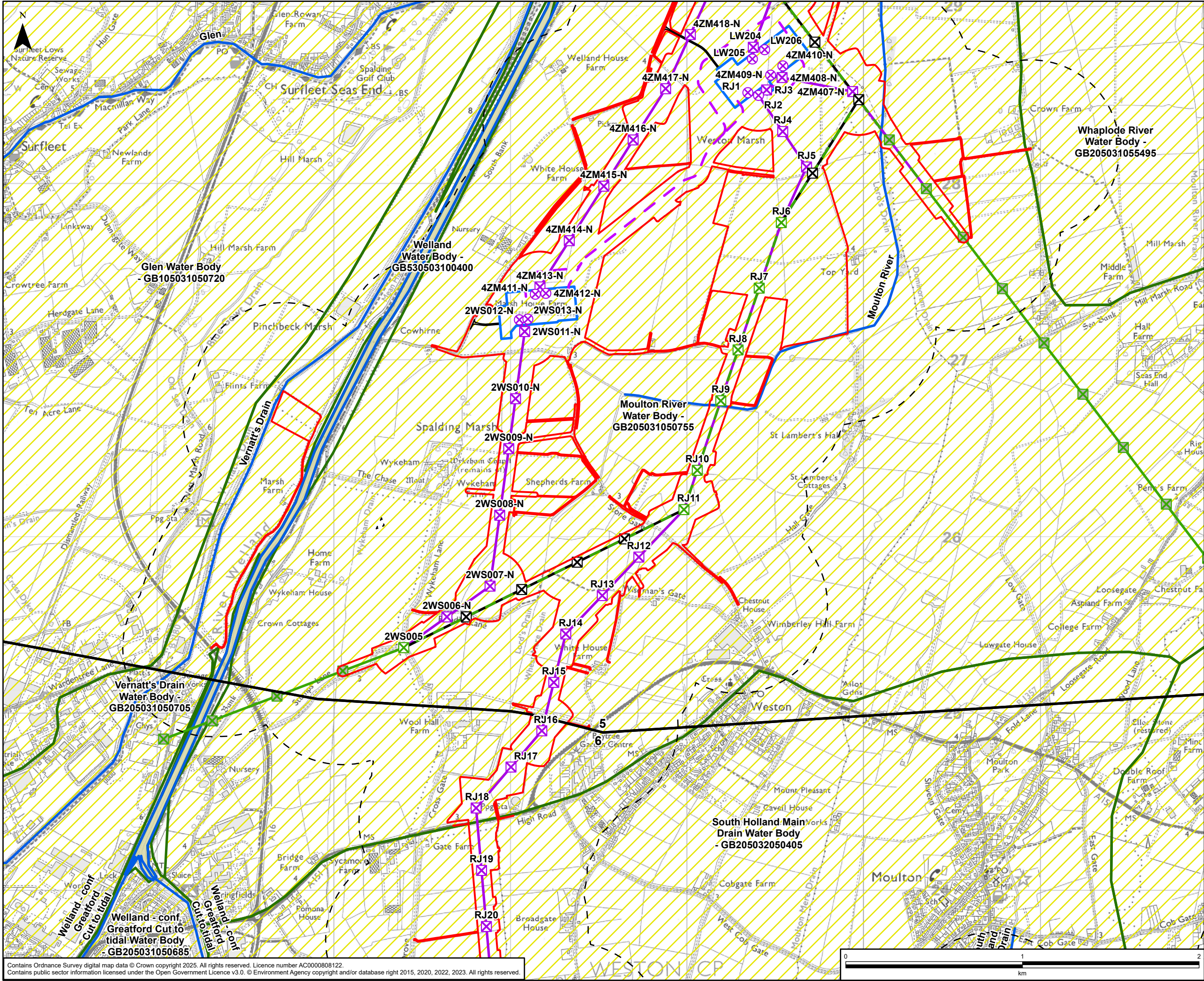
1 OF 2

Rev

A

Contains Ordnance Survey digital map data © Crown copyright 2025. All rights reserved. Licence number AC0000808122.
Contains public sector information licensed under the Open Government Licence v3.0. © Environment Agency copyright and/or database right 2015, 2020, 2022, 2023. All rights reserved.

Document Path: \\eu.aecomnet.com\EMIA\UK\IUKNCL2\Jobs\60721024 Grimsby to Walpole\02_Maps\PEIR - WM\Volume 2\Part BIG2W_PEIR_WM_2_B_Chapter_6_Water_Environment_Figures.aprx



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 Modified
- Existing Lattice Pylon - To Be Dismantled
- Indicative New Overhead Line
- Indicative New Underground Cable
- Existing Overhead Line - Not Affected
- Existing Overhead Line - To Be Modified
- Existing Overhead Line - To Be Dismantled
- Indicative New Substation Boundary
- Indicative Permanent Substation Access Route
- WFD Water Body
- WFD Transitional Water Body Boundary Ecological Status - Cycle 3
 - Moderate
 - Moderate

A	29/09/2025	First Issue	LC	SA	DR
Rev	Date	Description	GIS	Chk	App

nationalgrid

Purpose: SUPPLEMENTARY PEI REPORT - SECTION 5

Scheme: GRIMSBY TO WALPOLE

Document Title: **FIGURE 6.4**
WATER FRAMEWORK DIRECTIVE SURFACE
WATER BODY STATUS

Creator: LC	Date: 29/09/2025	Checker: SA	Date: 29/09/2025	Approver: DR	Date: 29/09/2025
Document Type: FIGURE	Scale: 1:20,000	Format: A3	Sheets: 2 OF 2	Rev: A	