

**RWE Renewables UK Dogger Bank
South (West) Limited**

**RWE Renewables UK Dogger Bank
South (East) Limited**

Dogger Bank South Offshore Wind Farms

Environmental Statement

Volume 7

Chapter 20 – Flood Risk and Hydrology

Figure 20-1 to Figure 20-6 (Revision 2)

May 2025

Application Reference: 7.20.1

APFP Regulation: 5(2)(a)

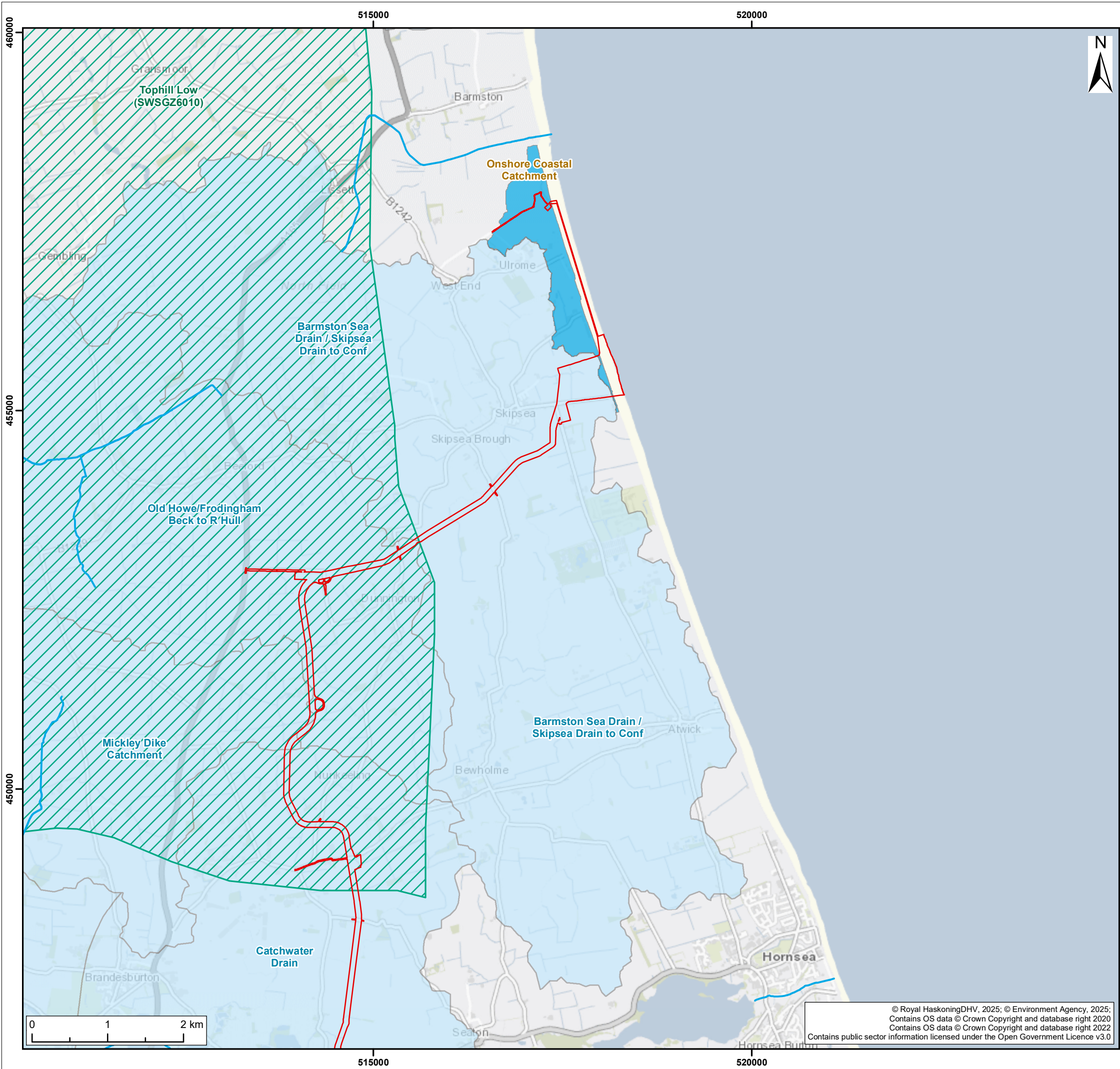
Revision: 02

Unrestricted



Company:	RWE Renewables UK Dogger Bank South (West) Limited and RWE Renewables UK Dogger Bank South (East) Limited	Asset:	Development		
Project:	Dogger Bank South Offshore Wind Farms	Sub Project/Package:	Consents		
Document Title or Description:	Environmental Statement – Chapter 20 – Figure 20-1 to Figure 20-6 (Revision 2)				
Document Number:	004300161-02	Contractor Reference Number:	PC2340-RHD-ON-ZZ-RP-Z-0103		
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Rev No.	Date	Status/Reason for Issue	Author	Checked by	Approved by
01	June 2024	Final for DCO Application	RHDHV	RWE	RWE
02	May 2025	Submission at Deadline 5	RHDHV	RWE	RWE

Revision Change Log			
Rev No.	Page	Section	Description
01	N/A	N/A	Submitted for DCO Application
02	N/A	All figures	Chapter 20 Figure 20-1 to Figure 20-6 has been updated at the request of the Examining Authority within the Rule 17 [PD-018] to accurately reflect the proposed development and contains all the updated information within the figures as a result of Project Change Request 2 – Onshore Substation Zone [AS-152].



- Legend:
- Onshore Development Area
 - WFD River Water Body Catchment
 - Onshore Coastal Catchment
 - Drinking Water Safeguard Zone (Surface Water)
 - Statutory Main Rivers
 - Surface Water Abstraction Points

S4	P04	19/05/2025	Suitable for stage approval	SM	SF	ND
S4	P03	29/02/2024	Suitable for stage approval	SB	SF	ND
S3	P02	15/02/2024	Suitable for review & comment	SB	SF	ND
S2	P01	06/12/2023	Suitable for information	SB	SF	ND
SUI	REV	DATE	DESCRIPTION	DRW	CHK	APR

Title:

Surface Water Features

Figure: 20-1a Drawing No: PC2340-RHD-ON-ZZ-DR-Z-0674

Co-ordinate system: Page Size: Scale:

British National Grid A3 1:50,000

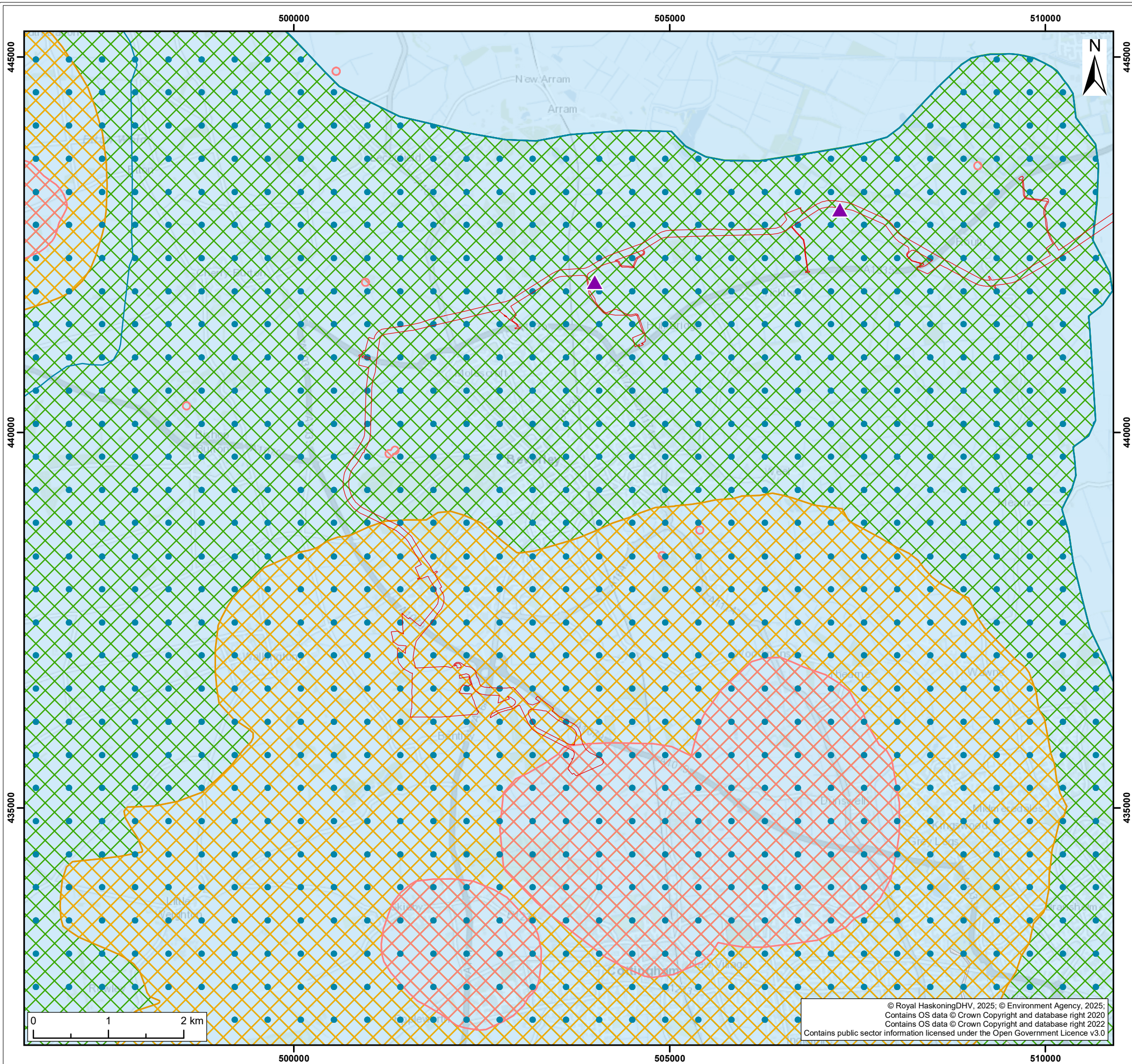
Project: Report:

Dogger Bank South Environmental

Offshore Wind Farms Statement



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Legend:

- Onshore Development Area
- Drinking water Safeguard Zone (Groundwater)
- Groundwater Abstractions
- WFD Ground Water Body

Source Protection Zone

- SPZ1
- SPZ2
- SPZ3

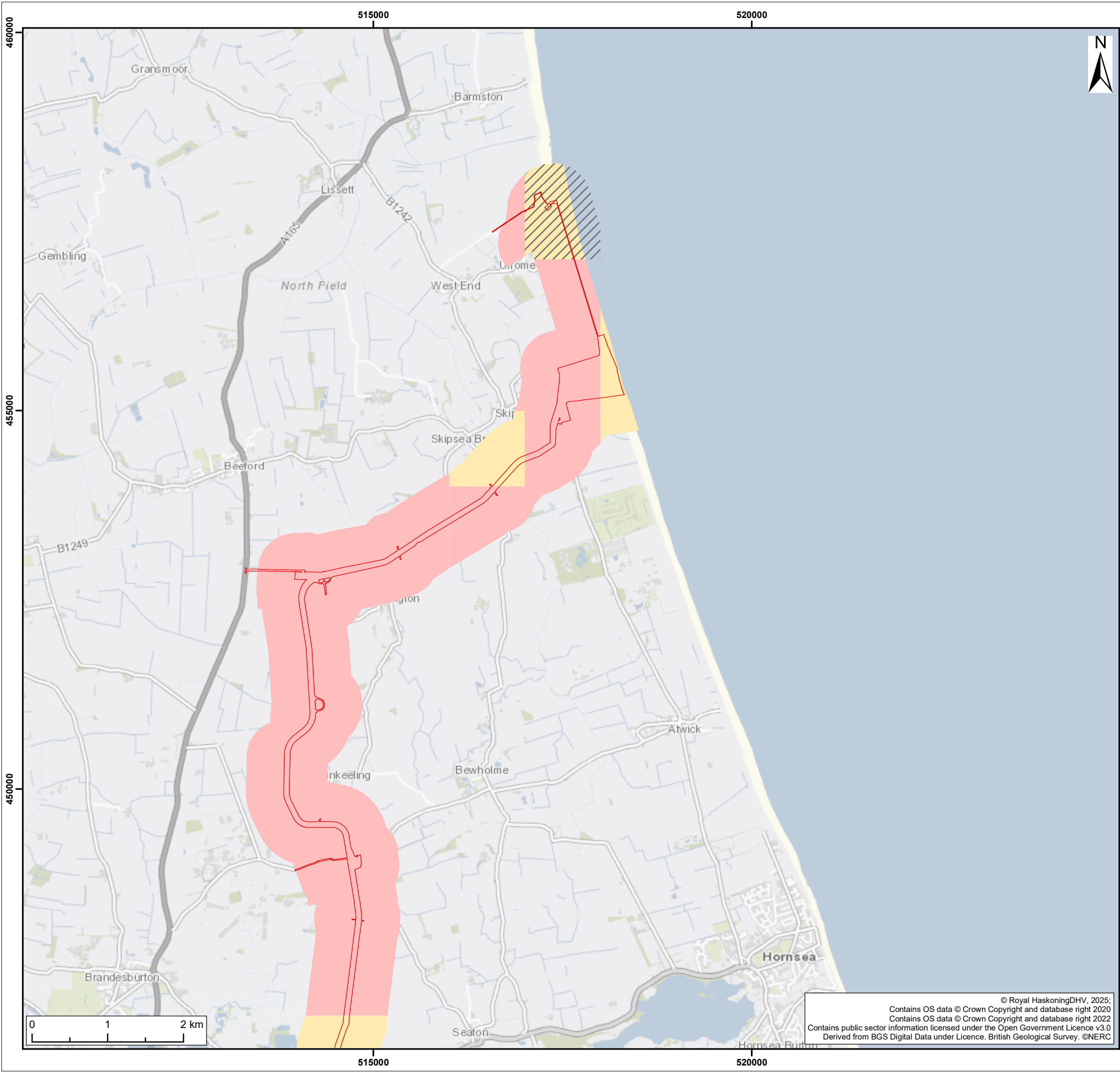
Note : The isolated red circles are individual SPZ1 boreholes

S4	P05	20/05/2025	Suitable for stage approval	SM	SF	ND
S4	P04	04/04/2024	Suitable for stage approval	SB	SF	ND
S4	P03	29/02/2024	Suitable for stage approval	SB	SF	ND
S3	P02	15/02/2024	Suitable for review & comment	SB	SF	ND
SUI	REV	DATE	DESCRIPTION	DRW	CHK	APR

Title:

Ground Water Features

Figure: 20-2c	Drawing No: PC2340-RHD-ON-ZZ-DR-Z-0675		
Co-ordinate system: British National Grid		Page Size: A3	Scale: 1:50,000
Project: Dogger Bank South Offshore Wind Farms		Report: Environmental Statement	



- Legend:
- Onshore Development Area
 - Soluble Rock Risk
 - Groundwater Vulnerability**
 - Secondary superficial aquifer - High Vulnerability
 - Secondary superficial aquifer - Medium Vulnerability

S4	P03	20/05/2025	Suitable for stage approval	SM	SF	ND
S3	P02	15/02/2024	Suitable for review & comment	SB	SF	ND
S2	P01	06/12/2023	Suitable for information	SB	SF	ND
SUI	REV	DATE	DESCRIPTION	DRW	CHK	APR

Title:

Groundwater Vulnerability

Figure: 20-3a Drawing No: PC2340-RHD-ON-ZZ-DR-Z-0676

Co-ordinate system: Page Size: Scale:

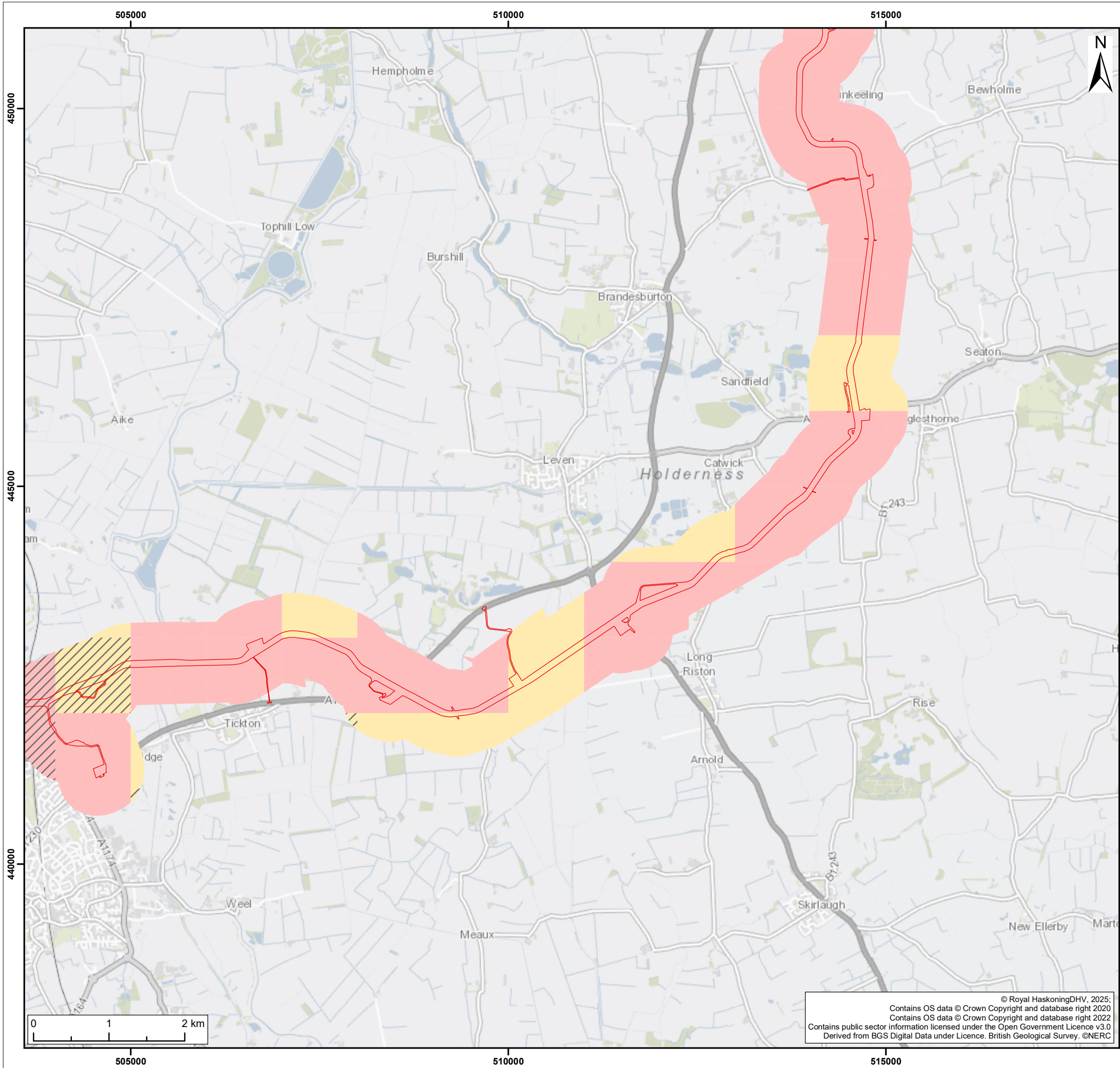
British National Grid A3 1:50,000

Project: Report:

Dogger Bank South Environmental

Offshore Wind Farms Statement





- Legend:
- Onshore Development Area
 - Soluble Rock Risk
 - Groundwater Vulnerability**
 - Secondary superficial aquifer - High Vulnerability
 - Secondary superficial aquifer - Medium Vulnerability

S4	P03	20/05/2025	Suitable for stage approval	SM	SF	ND
S3	P02	15/02/2024	Suitable for review & comment	SB	SF	ND
S2	P01	06/12/2023	Suitable for information	SB	SF	ND
SUI	REV	DATE	DESCRIPTION	DRW	CHK	APR

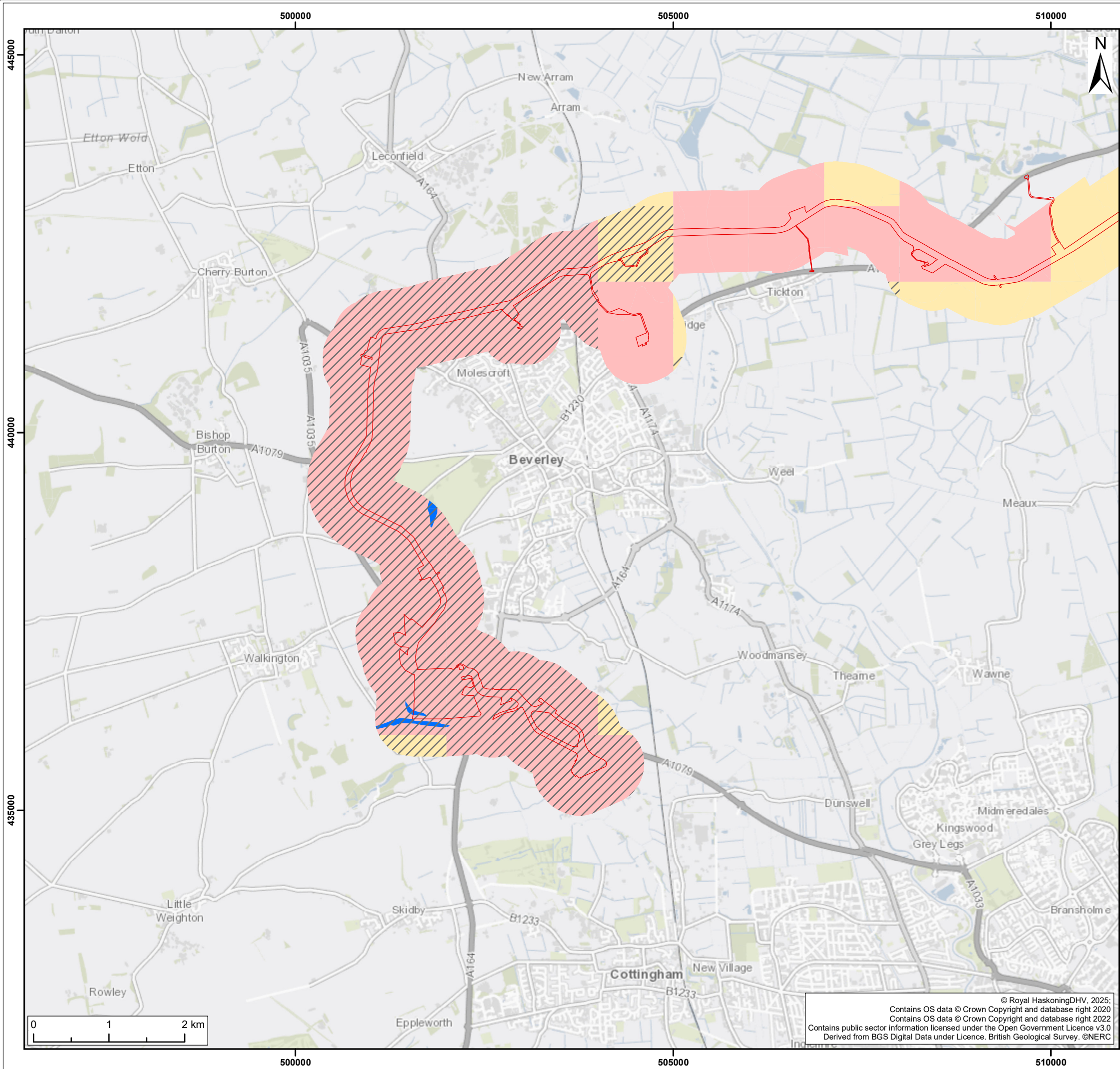
Title:

Groundwater Vulnerability

Figure: 20-3b Drawing No: PC2340-RHD-ON-ZZ-DR-Z-0676

Co-ordinate system: British National Grid	Page Size: A3	Scale: 1:50,000
Project: Dogger Bank South Offshore Wind Farms	Report: Environmental Statement	





Legend:

- Onshore Development Area
- Soluble Rock Risk

Groundwater Vulnerability

- Secondary superficial aquifer - High Vulnerability
- Secondary superficial aquifer - Medium Vulnerability
- Principal bedrock aquifer - Low Vulnerability

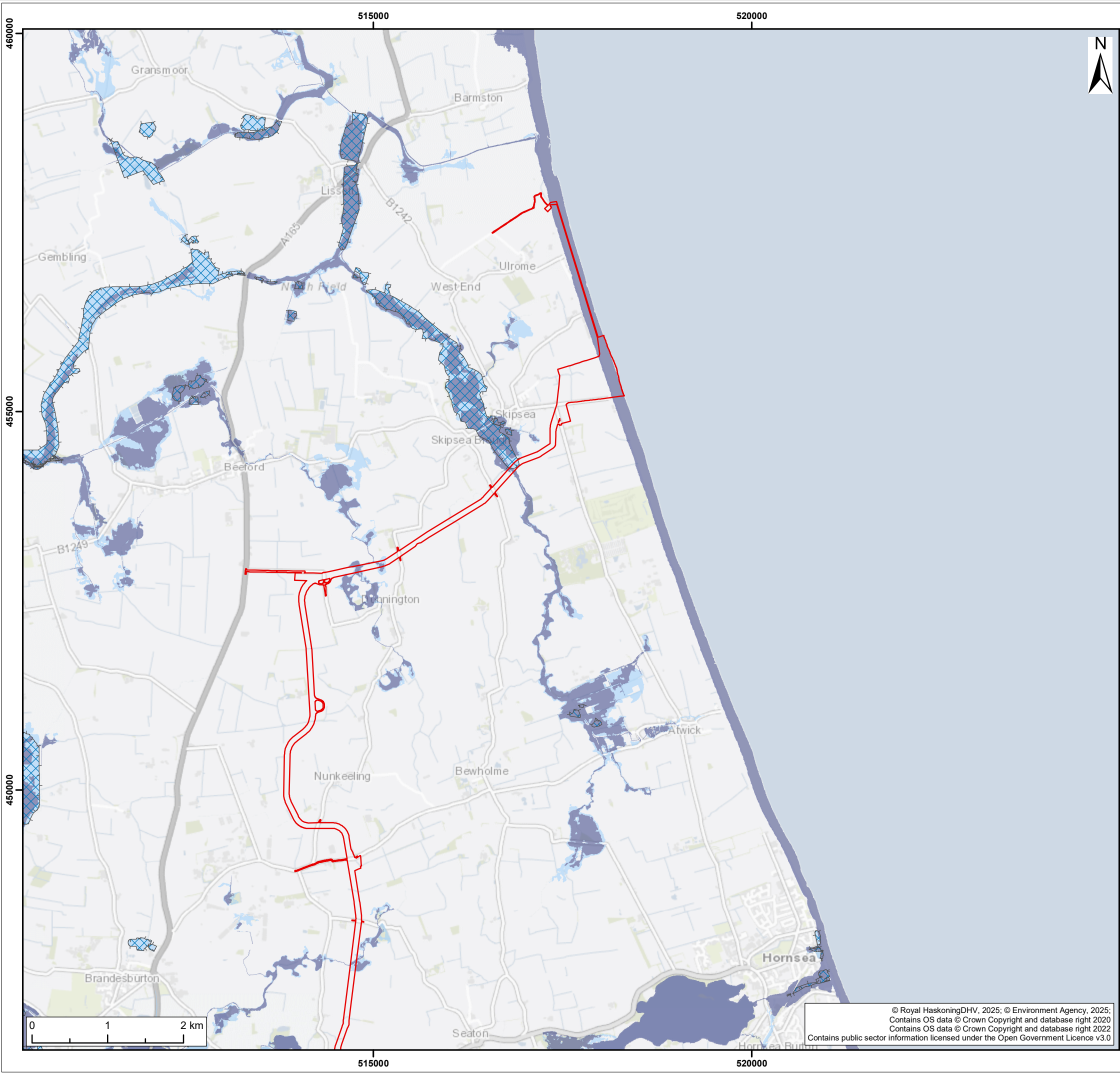
S4	P03	20/05/2025	Suitable for stage approval	SM	SF	ND
S3	P02	15/02/2024	Suitable for review & comment	SB	SF	ND
S2	P01	06/12/2023	Suitable for information	SB	SF	ND
SUI	REV	DATE	DESCRIPTION	DRW	CHK	APR

Title:

Groundwater Vulnerability

Figure: 20-3c		Drawing No: PC2340-RHD-ON-ZZ-DR-Z-0676	
Co-ordinate system: British National Grid		Page Size: A3	Scale: 1:50,000
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- Legend:
- Onshore Development Area
 - Historic Flood Extent
 - Flood Zone 2
 - Flood Zone 3

Note:
All areas not shown as being located in either flood zone 2 or 3 are classed as flood zone 1 (when considering fluvial and tidal flood risk)

S4	P03	19/05/2025	Suitable for stage approval	SM	SF	ND
S3	P02	16/02/2024	Suitable for review & comment	SB	SF	ND
S2	P01	06/12/2023	Suitable for information	SB	SF	ND
SUI	REV	DATE	DESCRIPTION	DRW	CHK	APR

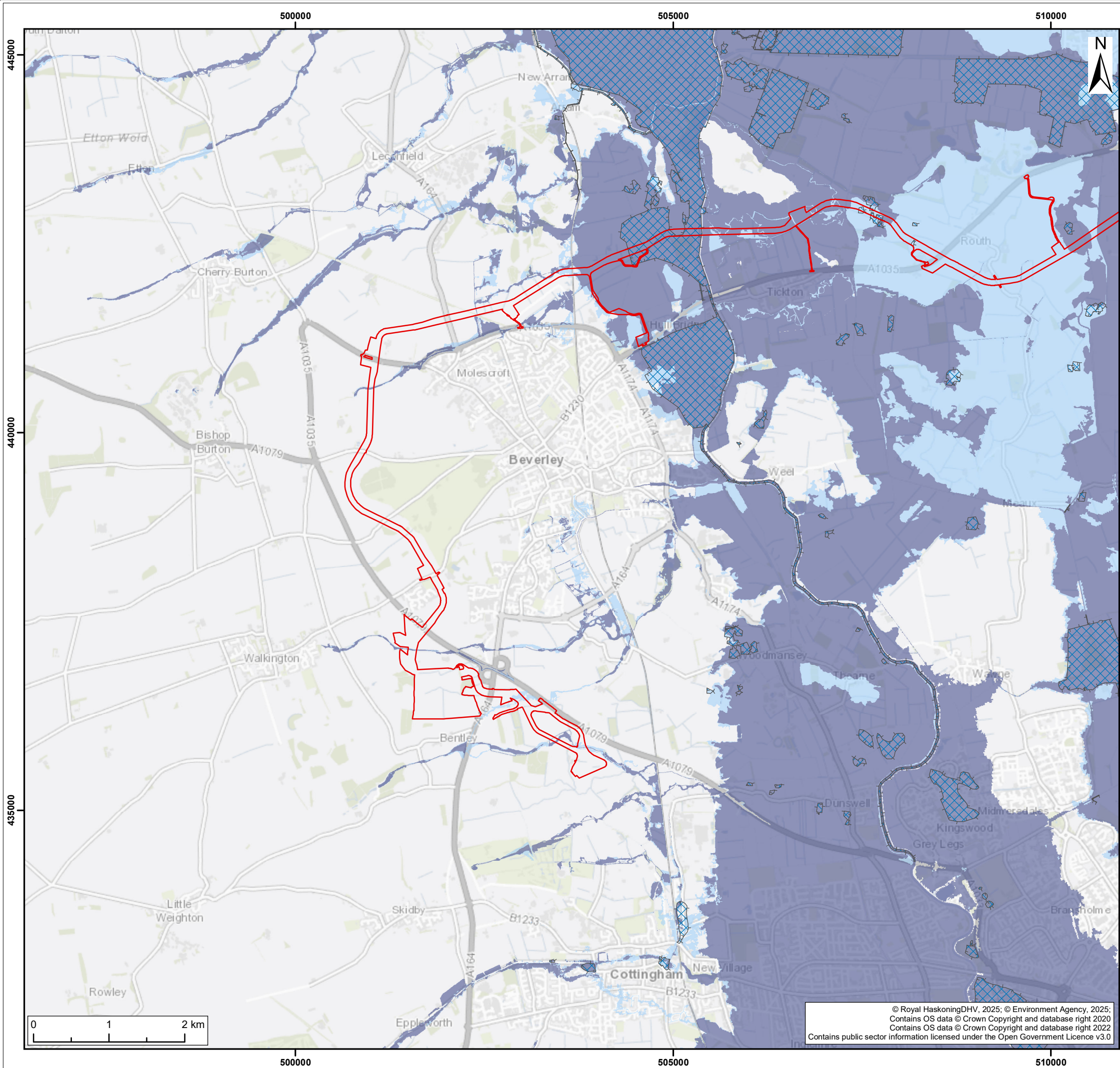
Title:
Environment Agency Flood Zones
and Historic Flood Extent

Figure: 20-4a Drawing No: PC2340-RHD-ON-ZZ-DR-Z-0677

Co-ordinate system: British National Grid	Page Size: A3	Scale: 1:50,000
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- Legend:
- Onshore Development Area
 - Historic Flood Extent
 - Flood Zone 2
 - Flood Zone 3

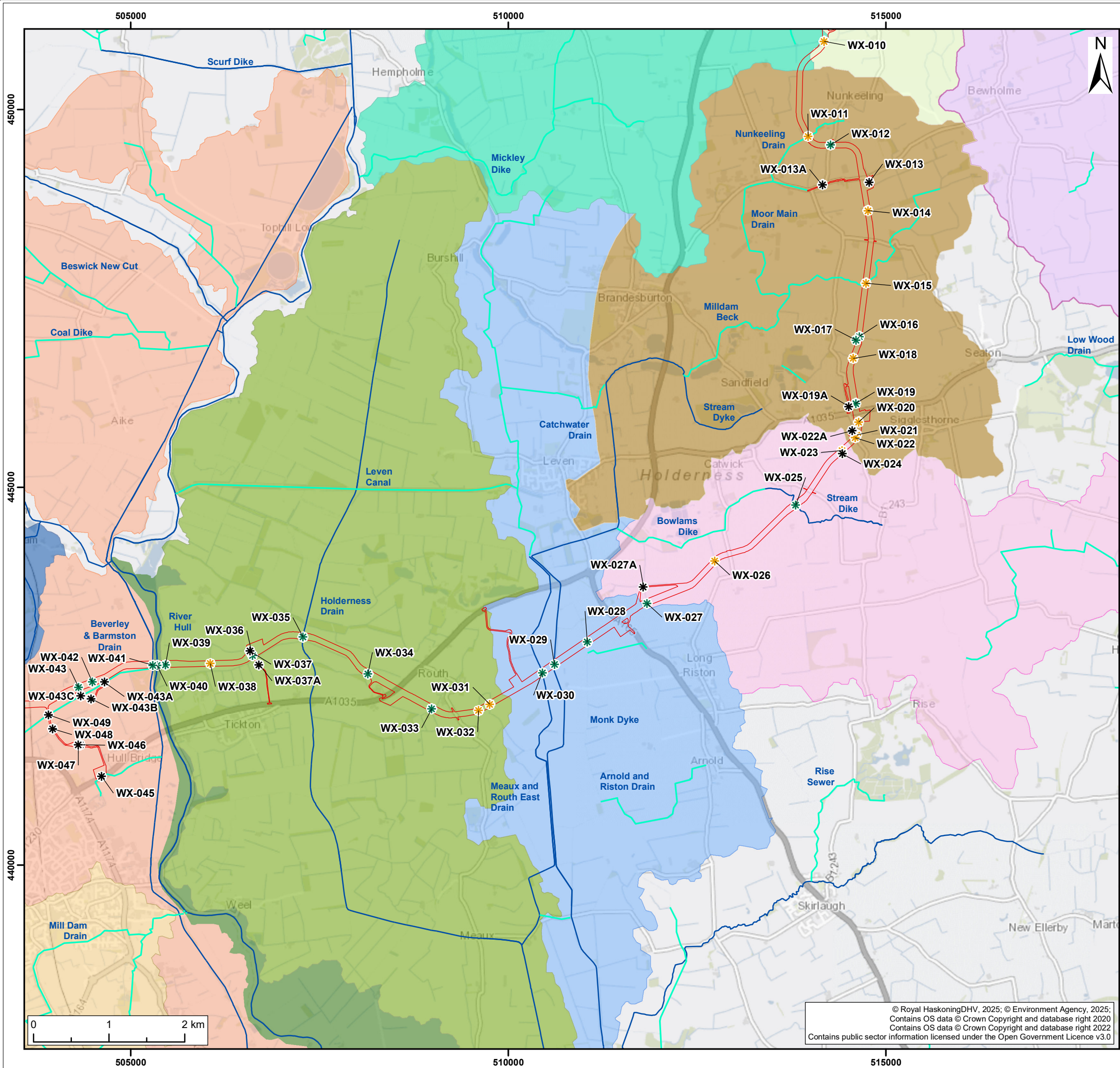
Note:
All areas not shown as being located in either flood zone 2 or 3 are classed as flood zone 1 (when considering fluvial and tidal flood risk)

S4	P03	19/05/2025	Suitable for stage approval	SM	SF	ND
S3	P02	16/02/2024	Suitable for review & comment	SB	SF	ND
S2	P01	06/12/2023	Suitable for information	SB	SF	ND
SUI	REV	DATE	DESCRIPTION	DRW	CHK	APR

Title:
Environment Agency Flood Zones
and Historic Flood Extent

Figure: 20-4c	Drawing No: PC2340-RHD-ON-ZZ-DR-Z-0677		
Co-ordinate system: British National Grid		Page Size: A3	Scale: 1:50,000
Project: Dogger Bank South Offshore Wind Farms		Report: Environmental Statement	





- Onshore Development Area
- Environment Agency Main River
- Ordinary Watercourse
- Watercourse Crossing Methodology**
- Trenchless
 - Open Cut Trenching
 - Infilled
 - Culvert Crossing
- Water Body Catchments**
- Feature within area of landscaping
 - Barmston Sea Drain / Skipsea Drain to Conf
 - Beverley and Barmston Drain
 - Catchwater Drain
 - Foredyke Stream Lower to Holderness Dr
 - Foredyke Stream Upper
 - High Hunsley to Arram Area
 - High Hunsley to Woodmansey Area
 - Holderness Drain Source to Foredyke Stream
 - Hull from Arram Beck to Humber
 - Mickley Dike Catchment
 - Old Howe/Frodingham Beck to R Hull

S4	P05	21/05/2025	Suitable for stage approval	SM	SF	ND
S4	P04	30/04/2024	Suitable for stage approval	JH	SB	SF
S4	P03	03/04/2024	Suitable for stage approval	JH	SB	SF
S3	P02	29/02/2024	Suitable for review & comment	JH	SB	SI
SUI	REV	DATE	DESCRIPTION	DRW	CHK	APR

Title:

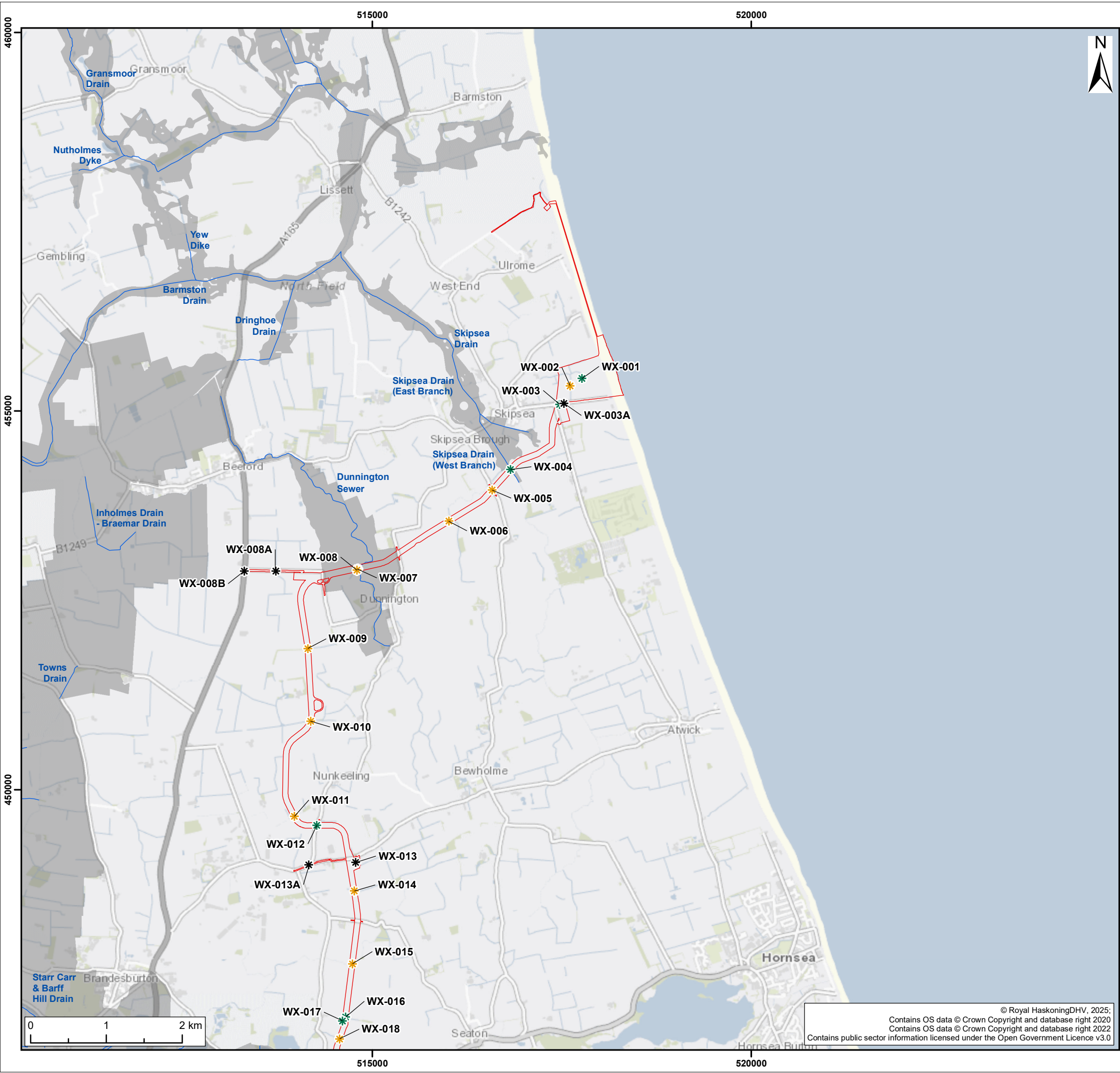
Watercourse Crossings (Main Rivers and ordinary watercourses)

Figure: 20-5b Drawing No: PC2340-RHD-ON-ZZ-DR-Z-0715

Co-ordinate system: British National Grid Page Size: A3 Scale: 1:50,000

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- Legend:
- Onshore Development Area
 - Beverley and North Holderness Internal Drainage Board Catchment Area
 - Beverley and North Holderness Internal Drainage Board Maintained Drains

- Watercourse Crossing Methodology
- Trenchless
 - Infilled
 - Feature within area of landscaping
 - Open Cut Trenching
 - Culvert Crossing

S4	P05	21/05/2025	Suitable for stage approval	SM	SF	ND
S4	P04	30/04/2024	Suitable for stage approval	JH	SB	SF
S4	P03	03/04/2024	Suitable for stage approval	JH	SB	SF
S3	P02	29/02/2024	Suitable for review & comment	JH	SB	SF
SUI	REV	DATE	DESCRIPTION	DRW	CHK	APR

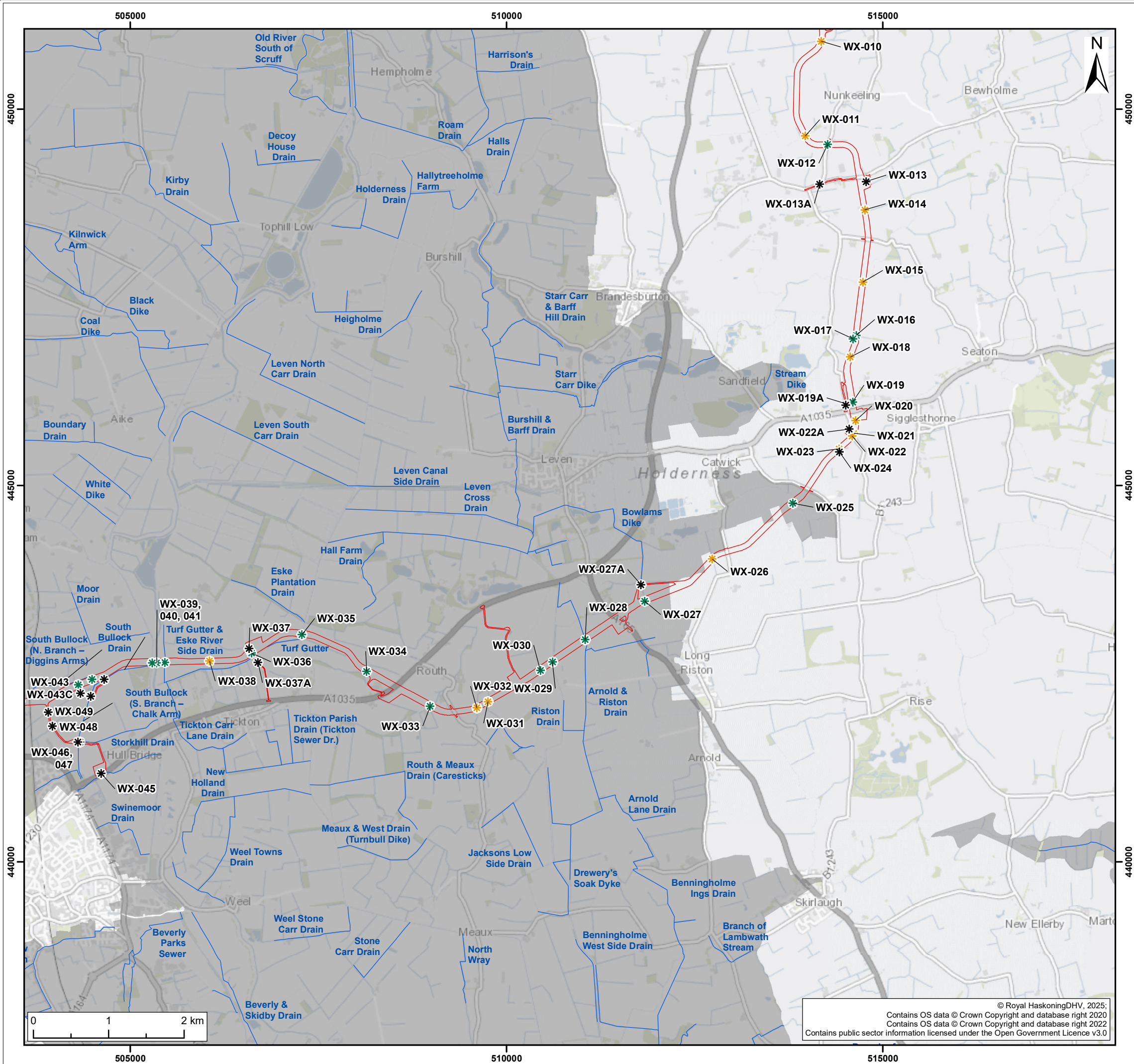
Title:

IDB Catchment Area and IDB Maintained Drains

Figure: 20-6a		Drawing No: PC2340-RHD-ON-ZZ-DR-Z-0716	
Co-ordinate system: British National Grid		Page Size: A3	Scale: 1:50,000
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Legend:

- Onshore Development Area
- Beverley and North Holderness Internal Drainage Board Catchment Area
- Beverley and North Holderness Internal Drainage Board Maintained Drains

Watercourse Crossing Methodology

- Trenchless
- Infilled
- Feature within area of landscaping
- Open Cut Trenching
- Culvert Crossing

S4	P05	21/05/2025	Suitable for stage approval	SM	SF	ND
S4	P04	30/04/2024	Suitable for stage approval	JH	SB	SF
S4	P03	03/04/2024	Suitable for stage approval	JH	SB	SF
S3	P02	29/02/2024	Suitable for review & comment	JH	SB	SF
SUI	REV	DATE	DESCRIPTION	DRW	CHK	APR

Title:

IDB Catchment Area and IDB Maintained Drains

Figure: 20-6b		Drawing No: PC2340-RHD-ON-ZZ-DR-Z-0716	
Co-ordinate system: British National Grid		Page Size: A3	Scale: 1:50,000
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