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MONA OFFSHORE WIND PROJECT

Preliminary Environmental Information Report

Volume 7, annex 17.3: Surface water abstraction licences, discharge consents and pollution incidents

Image of an offshore wind farm

April 2023
Final

Document status

Version	Purpose of document	Authored by	Reviewed by	Approved by	Review date
Rev01	For client comment	RPS	bp/EnBW		15/08/2022
Rev02	Updated with client comments	RPS	bp/EnBW		12/09/2022
Rev03	Final Review	RPS	bp/EnBW		12/01/2023
Rev04	Final	RPS	bp/EnBW	bp/EnBW	16/03/2023

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RPS	Mona Offshore Wind Ltd.

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Acronyms

Acronym	Description
MHWS	Mean High Water Springs
NRW	Natural Resources Wales

Units

Unit	Description
km	Kilometres
m	Metre (distance)

1 SURFACE WATER ABSTRACTION LICENCES, DISCHARGE CONSENTS AND POLLUTION INCIDENTS

1.1 Introduction

1.1.1.1 This technical report provides information on surface water abstraction licences, discharge consents and pollution incidents that has been used to inform the baseline and assessment in volume 3, chapter 17: hydrology and flood risk of the Preliminary Environmental Information Report as follows:

- Surface water abstraction licences are a good indication of how the surface watercourses are utilised.
- Discharge consents may affect the baseline quality of the receiving surface water.
- Pollution incidents identify where the quality of watercourses may have been affected by pollution.

1.2 Study area

1.2.1.1 The Mona hydrology and flood risk study area focuses on areas landward of Mean High Water Springs (MHWS) and is described below and shown on Figure 1.1:

- The area of land to be temporarily or permanently occupied during the construction, operation and maintenance and decommissioning of the Mona Offshore Wind Project (hereafter referred to as the Mona Proposed Onshore Development Area).
- Surface water receptors and flood risk receptors located within 250m of the Mona Proposed Onshore Development Area (excluding the Mona Onshore Substation). The 250m buffer is considered appropriate for data collection taking into account the likely zone of influence by hydrological receptors. The buffer has also been chosen to identify any existing receptors, assets or infrastructure that have the potential to be affected by temporary flood risk as a result of the Mona Offshore Wind Project.
- Flood risk receptors located within 1km of the Mona Onshore Substation. The 1km buffer was chosen primarily to identify any existing receptors, assets or infrastructure that have the potential to be affected by flood risk as a result of the Mona Offshore Wind Project.

1.3 Methodology

1.3.1.1 Details of the licences, consents and incidents have been obtained from a commercial data supplier (Groundsure Limited) and local planning authorities relevant to the Mona Offshore Wind Project (Denbighshire County Borough Council and Conwy County Borough Council). The information is regulated by Natural Resource Wales (NRW) and the local planning authorities.

1.3.1.2 There are no surface water abstraction licences within the hydrology and flood risk study area with regards to surface water receptors. The closest abstractions are all historical and primarily relate to hydroelectric power generation. The abstractions are listed in Table 1.1 and shown on Figure 1.2.

Table 1.1: Surface water abstractions

Details	Licence Holder	Details	Source	Status
SW1	Sir Watkin Williams-Wynn BT Licence No: WA/466/0006/001	Hydroelectric Power Generation	River Elwy at Cefn, St Asaph	Historical
SW2	Roberts And Co. Ltd	General Washing/Process Washing	River Gele	Historical
SW3	Sir Watkin Williams-Wynn BT Licence No: WA/466/0006/001	Hydroelectric Power Generation	River Elwy at Cefn, St Asaph	Historical
SW4	North Wales Hydro Power Limited	Hydroelectric Power Generation	Maes Elwy Hep	Historical

1.3.1.3 Pollution incidents are classified by NRW into one of four categories using their Common Incident Classification Scheme. The different categories of pollution incidents are defined in Table 1.2 below.

Table 1.2: Pollution incident categories.

Pollution Incident Category	Location
Category 1	Major, serious, persistent or extensive impact or effect on the environment, people and/or property
Category 2	Significant impact of effect on the environment, people and/or property.
Category 3	Minor or minimal impact or effect on the environment, people and/or property.
Category 4	Substantiated incident with no impact.

1.3.1.4 Two pollution incidents have been identified within the hydrology and flood risk study area with regards to surface water receptors. These incidents are identified in Table 1.3 and shown on Figure 1.2.

Table 1.3: Pollution incidents within the hydrology and flood risk study area (surface water receptors).

ID	Details	Pollutant Type and Description	Pollution Categories
PI1	Incident Date: 27/06/2001 Incident Identification: 11826	Pollutant: Agricultural Materials and Wastes Pollutant Description: Silage Liquors	Water Impact: Category 3 (Minor)
PI2	Incident Date: 15/04/2003 Incident Identification: 151448	Pollutant: Sewage Materials Pollutant Description: Grey Water	Water Impact: Category 3 (Minor)

1.3.1.5 There are seven discharge consents within the hydrology and flood risk study area with regards to surface water receptors. The discharge consents are listed below in Table 1.4 and shown on Figure 1.2.

Table 1.4: Discharge consents within the hydrology and flood risk study area (surface water receptors).

ID	Address	Details	Status
DC1	TAN Y MYNYDD, ABERGELE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Exemption Reference: EPR/HH0068ZV/A001 Receiving Water: UN-NAMED TRIB	Status: Effective Issue date: 24/05/2011 Effective date: 24/05/2011
DC2	MOELFRE STW RHYL, RHYL	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CM0045701 Permit Version: 2 Receiving Water: TRIB OF AFON GELE	Status: Effective Issue date: 04/10/1993 Effective Date: 04/10/1993
DC4	GLASCOED WTW - PRESSURE FILTER, Glascoed, Denbighshire, WALES	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - WATER COMPANY (WTW) Permit Number: CM0062901 Permit Version: 5 Receiving Water: TRIB OF SARN CUT	Status: Effective Issue date: 24/09/2009 Effective Date: 01/01/2010
DC5	TREBANOG, GROESFFORDD, ABERGELE, CLWYD, LL22 9DR	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: NPSWQD004297 Permit Version: 1 Receiving Water: TRIB OF THE CLWYD	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY Issue date: 22/09/2008 Effective Date: 22/09/2008 -
DC6	CEFN MAIRWEN STW	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: CM0067501 Permit Version: 2 Receiving Water: UN-NAMED TRIB OF RIVER ELWY	Status: Effective Issue date: 24/09/2009 Effective Date: 01/01/2010
DC7	CASTLE COVE CARAVAN PARK, PENSARN, ABERGELE, Conwy, LL22 7PP	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CG0428301 Permit Version: 2 Receiving Water: Groundwater via infiltration system	Status: Effective Issue date: 26/11/2012 Effective Date: 26/11/2012
DC10	ST ASAPH BUSINESS PARK PUMPING STN, ST ASAPH BUSINESS PK PUMPING STN, ST ASAPH BUSINESS PARK, ST ASAPH, DENBIGHSHIRE, LL17 0LJ	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: CG0392601 Permit Version: 1 Receiving Water: PENGWERN DITCH	Status: Effective Issue date: 20/05/2002 Effective Date: 20/05/2002

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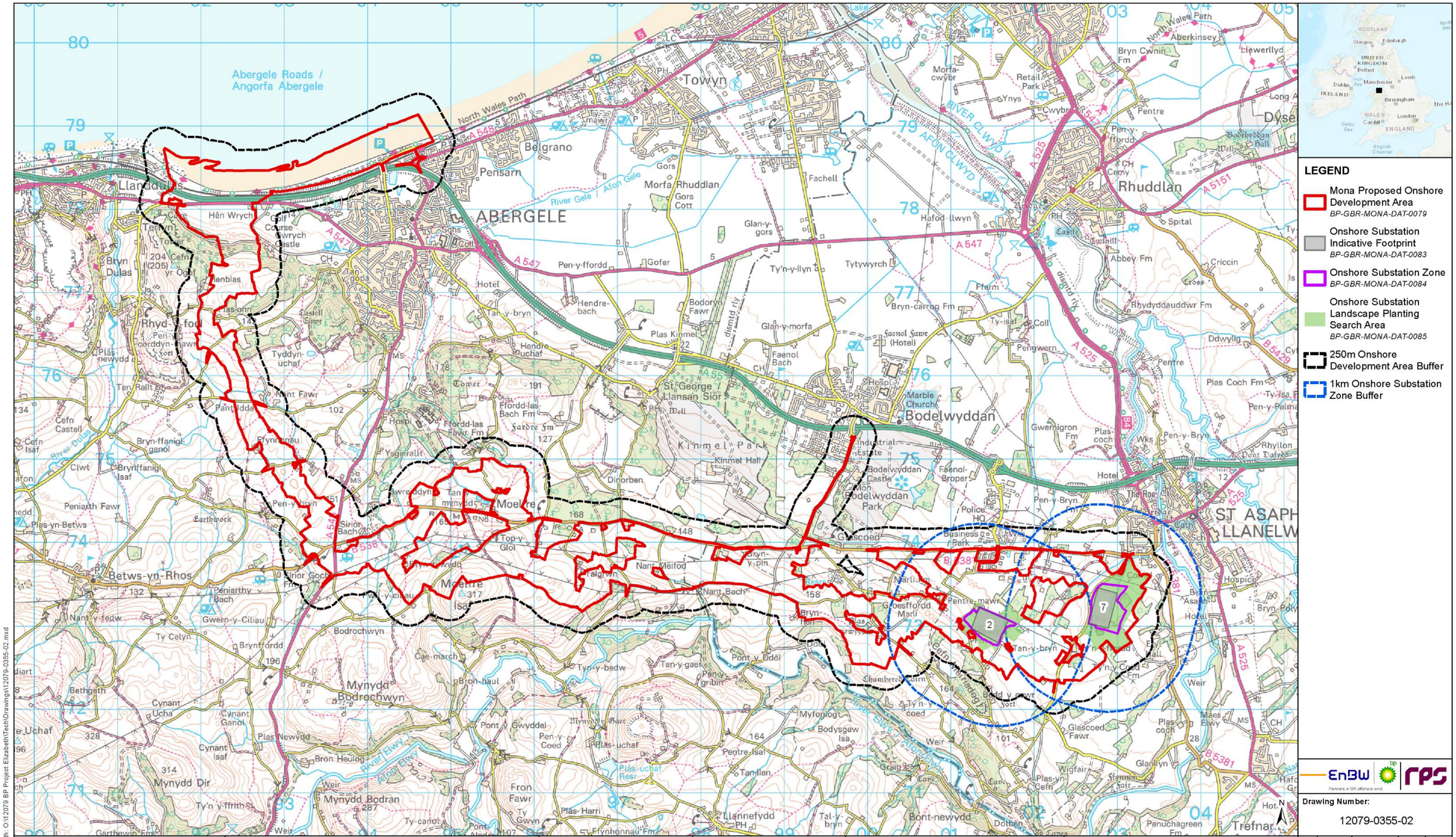

Figure 1.1: Mona hydrology and flood risk study area

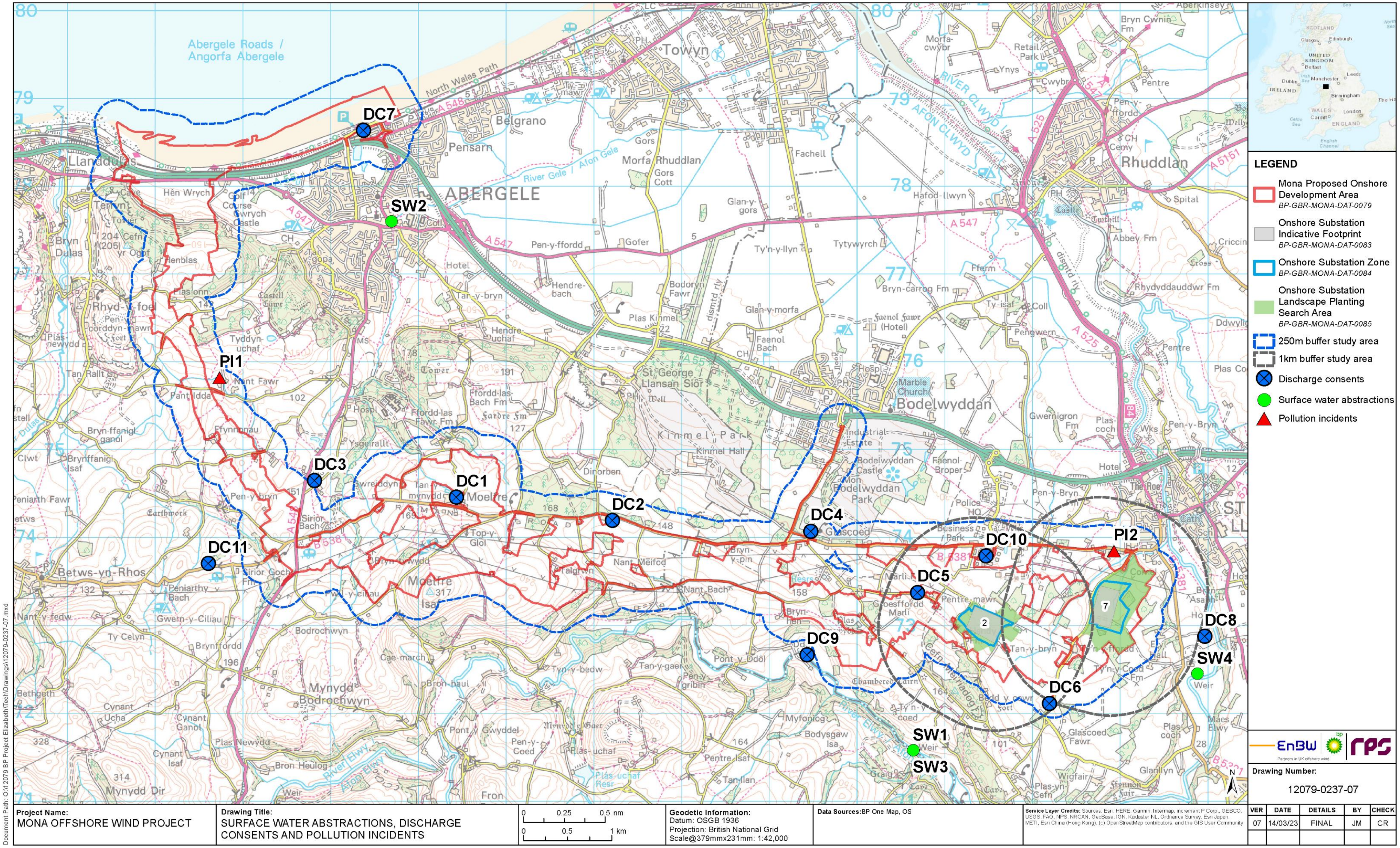

Figure 1.2:: Surface water abstractions, discharge consents and pollution incidents

1.4 References

Groundsure Insight Report: Mona Onshore Route, Report Ref. GSIP-2022-12806-10820 (A to E). 27 June 2022 (available on request)