

# MONA OFFSHORE WIND PROJECT

## Preliminary Environmental Information Report

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



April 2023  
Final

Image of an offshore wind farm

**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  |

The report has been prepared for the exclusive use and benefit of our client and solely for the purpose for which it is provided. Unless otherwise agreed in writing by RPS Group Plc, any of its subsidiaries, or a related entity (collectively 'RPS') no part of this report should be reproduced, distributed or communicated to any third party. RPS does not accept any liability if this report is used for an alternative purpose from which it is intended, nor to any third party in respect of this report. The report does not account for any changes relating to the subject matter of the report, or any legislative or regulatory changes that have occurred since the report was produced and that may affect the report.

The report has been prepared using the information provided to RPS by its client, or others on behalf of its client. To the fullest extent permitted by law, RPS shall not be liable for any loss or damage suffered by the client arising from fraud, misrepresentation, withholding of information material relevant to the report or required by RPS, or other default relating to such information, whether on the client's part or that of the other information sources, unless such fraud, misrepresentation, withholding or such other default is evident to RPS without further enquiry. It is expressly stated that no independent verification of any documents or information supplied by the client or others on behalf of the client has been made. The report shall be used for general information only.

**Prepared by:**

**RPS**

**Prepared for:**

**Mona Offshore Wind Ltd.**

## Contents

|          |   |          |
|----------|---|----------|
| <b>1</b> | <b>SURFACE WATER ABSTRACTION LICENCES, DISCHARGE CONSENTS AND POLLUTION INCIDENTS</b> | <b>1</b> |
| 1.1      | Introduction  | 1        |
| 1.2      | Study area  | 1        |
| 1.3      | Methodology   | 1        |
| 1.4      | References  | 5        |

## Tables

|            |  |   |
|------------|--|---|
| Table 1.1: | Surface water abstractions   | 1 |
| Table 1.2: | Pollution incident categories  | 1 |
| Table 1.3: | Pollution incidents within the hydrology and flood risk study area (surface water receptors) | 2 |
| Table 1.4: | Discharge consents within the hydrology and flood risk study area (surface water receptors)  | 2 |

## Figures

|             |  |   |
|-------------|--|---|
| Figure 1.1: | Mona hydrology and flood risk study area                               | 3 |
| Figure 1.2: | Surface water abstractions, discharge consents and pollution incidents | 4 |

## 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<br>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<br>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<br>Incident Identification: 11826  | Pollutant: Agricultural Materials and Wastes<br>Pollutant Description: Silage Liquors | Water Impact: Category 3 (Minor) |
| PI2 | Incident Date: 15/04/2003<br>Incident Identification: 151448 | Pollutant: Sewage Materials<br>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<br>Exemption Reference: EPR/HH0068ZV/A001<br>Receiving Water: UN-NAMED TRIB            | Status: Effective<br>Issue date: 24/05/2011<br>Effective date: 24/05/2011 |
| DC2 | MOELFRE STW RHYL, RHYL | Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY<br>Permit Number: CM0045701<br>Permit Version: 2<br>Receiving Water: TRIB OF AFON GELE | Status: Effective<br>Issue date: 04/10/1993<br>Effective Date: 04/10/1993 |

| ID   | Address  | Details  | Status   |
|------|--|--|--|
| DC4  | GLASCOED WTW - PRESSURE FILTER, Glascoed, Denbighshire, WALES  | Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - WATER COMPANY (WTW)<br>Permit Number: CM0062901<br>Permit Version: 5<br>Receiving Water: TRIB OF SARN CUT                         | Status: Effective<br>Issue date: 24/09/2009<br>Effective Date: 01/01/2010  |
| DC5  | TREBANOG, GROESFFORDD, ABERGELE, CLWYD, LL22 9DR   | Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY<br>Permit Number: NPSWQD004297<br>Permit Version: 1<br>Receiving Water: TRIB OF THE CLWYD                | Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY<br>Issue date: 22/09/2008<br>Effective Date: 22/09/2008<br>- |
| DC6  | CEFN MAIRWEN STW   | Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY<br>Permit Number: CM0067501<br>Permit Version: 2<br>Receiving Water: UN-NAMED TRIB OF RIVER ELWY             | Status: Effective<br>Issue date: 24/09/2009<br>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<br>Permit Number: CG0428301<br>Permit Version: 2<br>Receiving Water: Groundwater via infiltration system | Status: Effective<br>Issue date: 26/11/2012<br>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<br>Permit Number: CG0392601<br>Permit Version: 1<br>Receiving Water: PENGWERN DITCH                                 | Status: Effective<br>Issue date: 20/05/2002<br>Effective Date: 20/05/2002  |

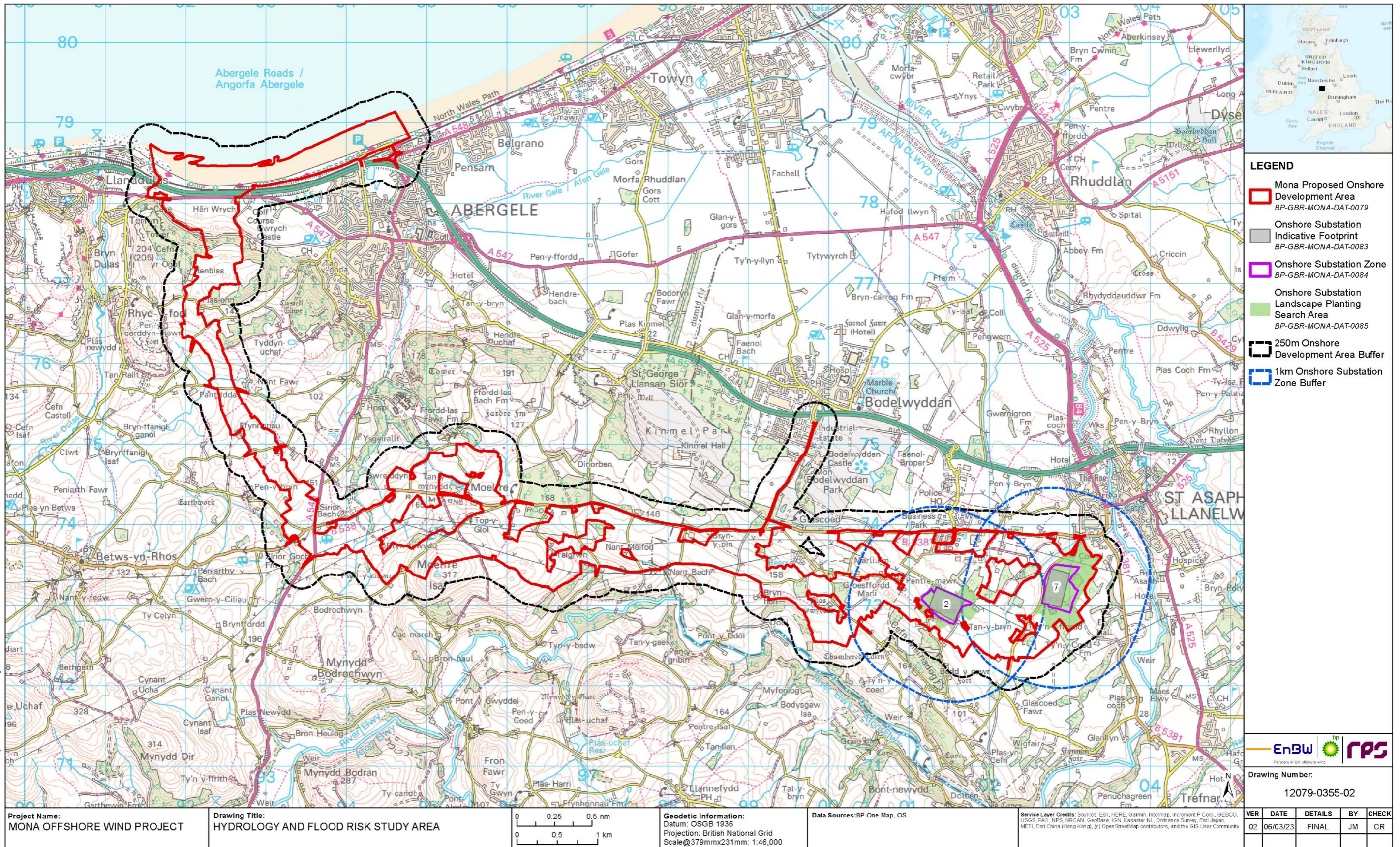


Figure 1.1: Mona hydrology and flood risk study area

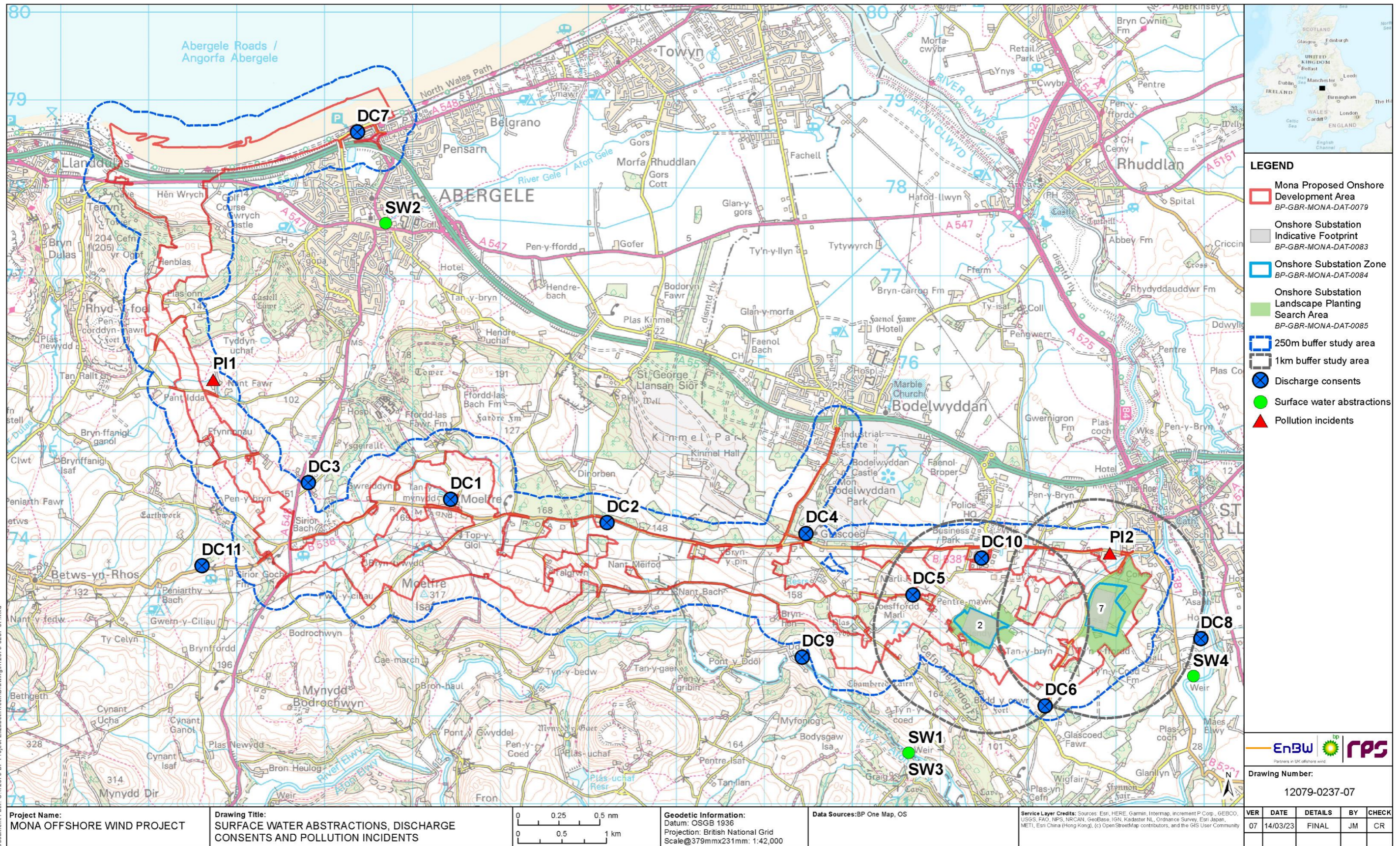


Figure 1.2:: Surface water abstractions, discharge consents and pollution incidents



## 1.4 References

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