

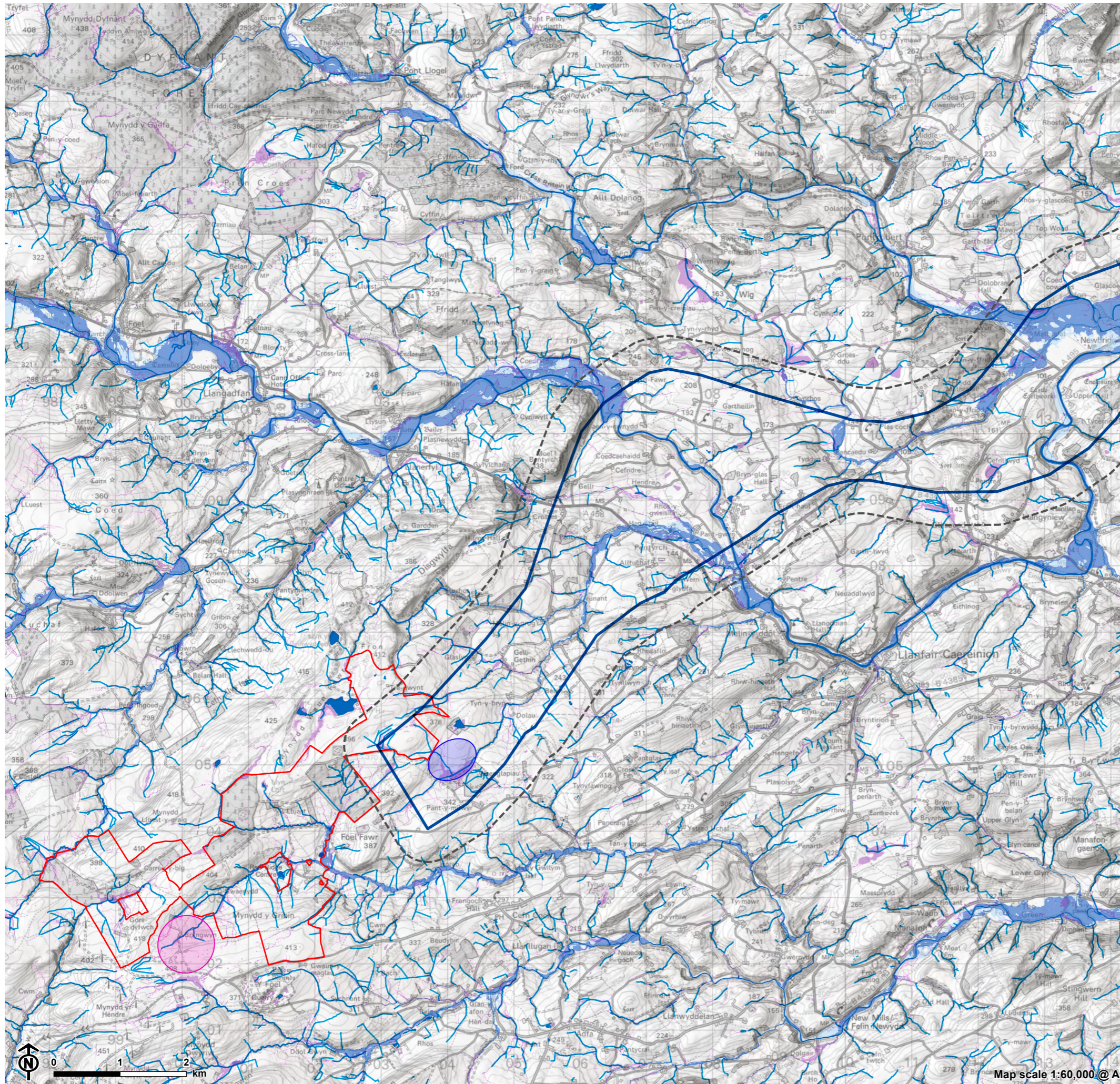
# **GREEN GEN CYMRU Green GEN Vyrnwy Frankton Scoping Report**

**January 2024**

**Appendix D**  
**Figures 13.1-16.1**



Figure 13.1: Water Resources -  
 Page 1 of 3



- Scoping Corridor
- 250m from Scoping Corridor
- Llyn Lort Energy Park
- Preferred Collector Substation Search Area
- Preferred Cable Sealing End Compound (CSEC) Search Area
- OS Watercourses/Waterbodies
- Flood Map for Planning (NRW)**
- Surface Water and Small Watercourses**
- Flood Zone 3
- Flood Zone 2
- Rivers**
- Flood Zone 3
- Flood Zone 2

**Notes**

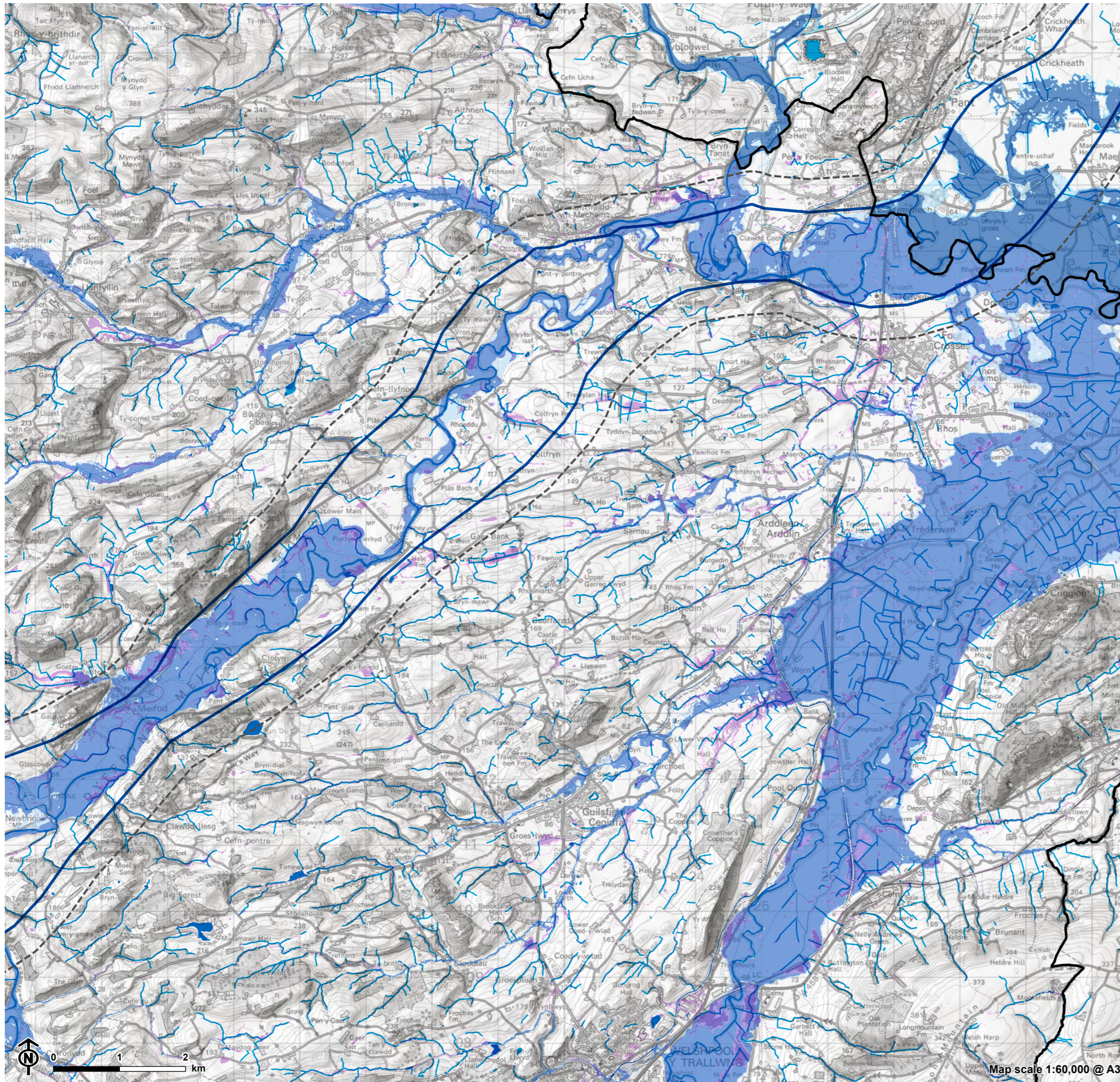
Flood data is split by Country. Flood Zones from the Environment Agency (EA) in England and Flood Map for Planning datasets from Natural Resources Wales (NRW) in Wales. Wales - England Border shows the boundary between these datasets.

**Additional Credits**

Contains Natural Resources Wales information © Natural Resources Wales and database right. All rights reserved. Some features of this information are based on digital spatial data licensed from the UK Centre for Ecology and Hydrology © UKCEH, Defra, Met Office and DARD Rivers Agency © Crown copyright. © Cranfield University. © James Hutton Institute. Contains OS data © Crown copyright and database right. © Natural England copyright 2023. Contains Ordnance Survey data © Crown copyright and database right 2023



Figure 13.1: Water Resources -  
 Page 2 of 3



- Scoping Corridor
- 250m from Scoping Corridor
- Wales - England Border
- OS Watercourses/Waterbodies
- Flood Zones (EA)**
  - Flood Zone 3
  - Flood Zone 2
- Flood Map for Planning (NRW)**
- Surface Water and Small Watercourses**
  - Flood Zone 3
  - Flood Zone 2
- Rivers**
  - Flood Zone 3
  - Flood Zone 2

**Notes**

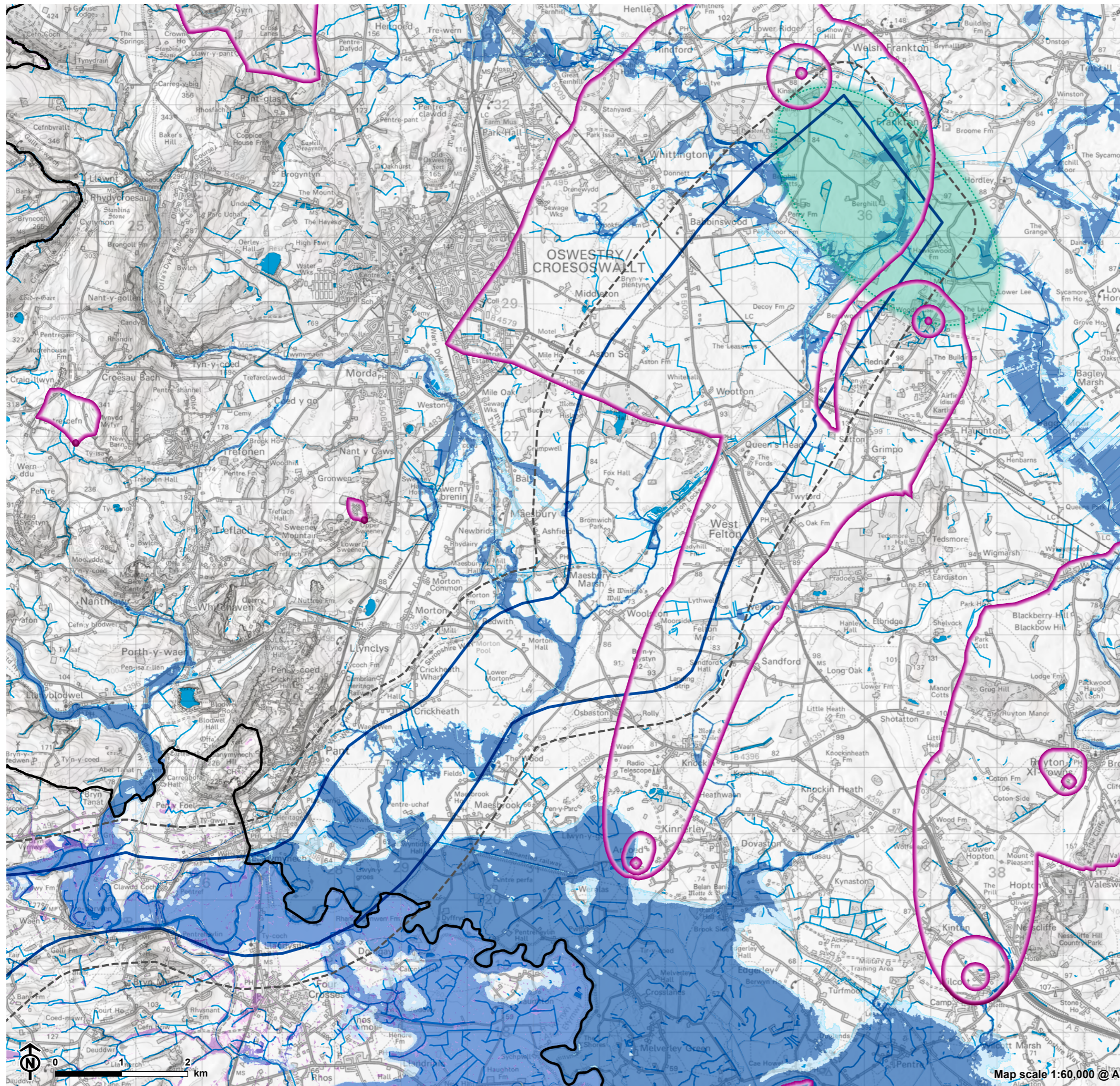
Flood data is split by Country. Flood Zones from the Environment Agency (EA) in England and Flood Map for Planning datasets from Natural Resources Wales (NRW) in Wales. Wales - England Border shows the boundary between these datasets.

**Additional Credits**

Contains Natural Resources Wales information © Natural Resources Wales and database right. All rights reserved. Some features of this information are based on digital spatial data licensed from the UK Centre for Ecology and Hydrology © UKCEH. Defra, Met Office and DARD Rivers Agency © Crown copyright. © Cranfield University. © James Hutton Institute. Contains OS data © Crown copyright and database right.  
 © Natural England copyright 2023. Contains Ordnance Survey data © Crown copyright and database right 2023



Figure 13.1: Water Resources -  
 Page 3 of 3



- Scoping Corridor
- 250m from Scoping Corridor
- Search Area for National Grid Substation (Not included in project)
- Wales - England Border
- OS Watercourses/Waterbodies
- Source Protection Zone
- Flood Zones (EA)**
  - Flood Zone 3
  - Flood Zone 2
- Flood Map for Planning (NRW)**
- Surface Water and Small Watercourses**
  - Flood Zone 3
  - Flood Zone 2
- Rivers**
  - Flood Zone 3
  - Flood Zone 2

**Notes**

Flood data is split by Country. Flood Zones from the Environment Agency (EA) in England and Flood Map for Planning datasets from Natural Resources Wales (NRW) in Wales. Wales - England Border shows the boundary between these datasets.

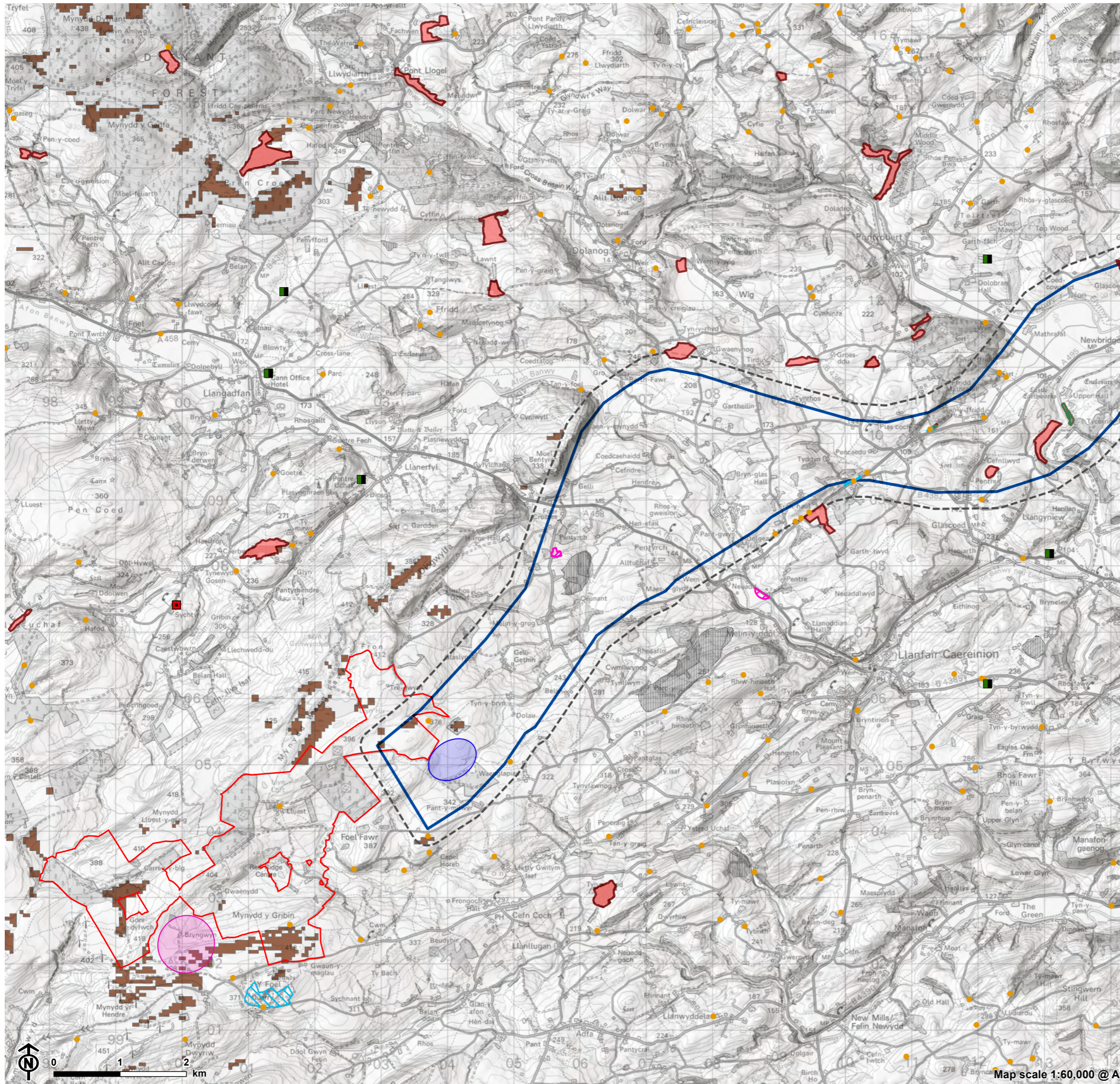
**Additional Credits**

Contains Natural Resources Wales information © Natural Resources Wales and database right. All rights reserved. Some features of this information are based on digital spatial data licensed from the UK Centre for Ecology and Hydrology © UKCEH, Defra, Met Office and DARD Rivers Agency © Crown copyright. © Cranfield University. © James Hutton Institute. Contains OS data © Crown copyright and database right. © Natural England copyright 2023. Contains Ordnance Survey data © Crown copyright and database right 2023

Map scale 1:60,000 @ A3



Figure 14.1: Ground Conditions -  
 Page 1 of 3

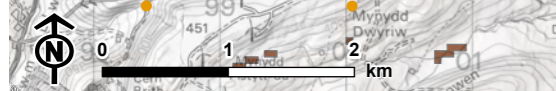


- Scoping Corridor
- 250m from Scoping Corridor
- Llyn Lort Energy Park
- Preferred Collector Substation Search Area
- Preferred Cable Sealing End Compound (CSEC) Search Area
- Geological Conservation Review site
- Regionally Important Geological Site (Powys)
- Geodiversity Site of Special Scientific Interest (SSSI) Wales Only
- Mass Movement
- Peat**
- Peatlands of Wales
- Mines and Quarries**
- Ceased
- Waste**
- Historic Landfill Sites
- Waste Permit
- Installation Permit

**Notes**

Mines and Quarries data within England limited to within 250m buffer of Scoping Corridor

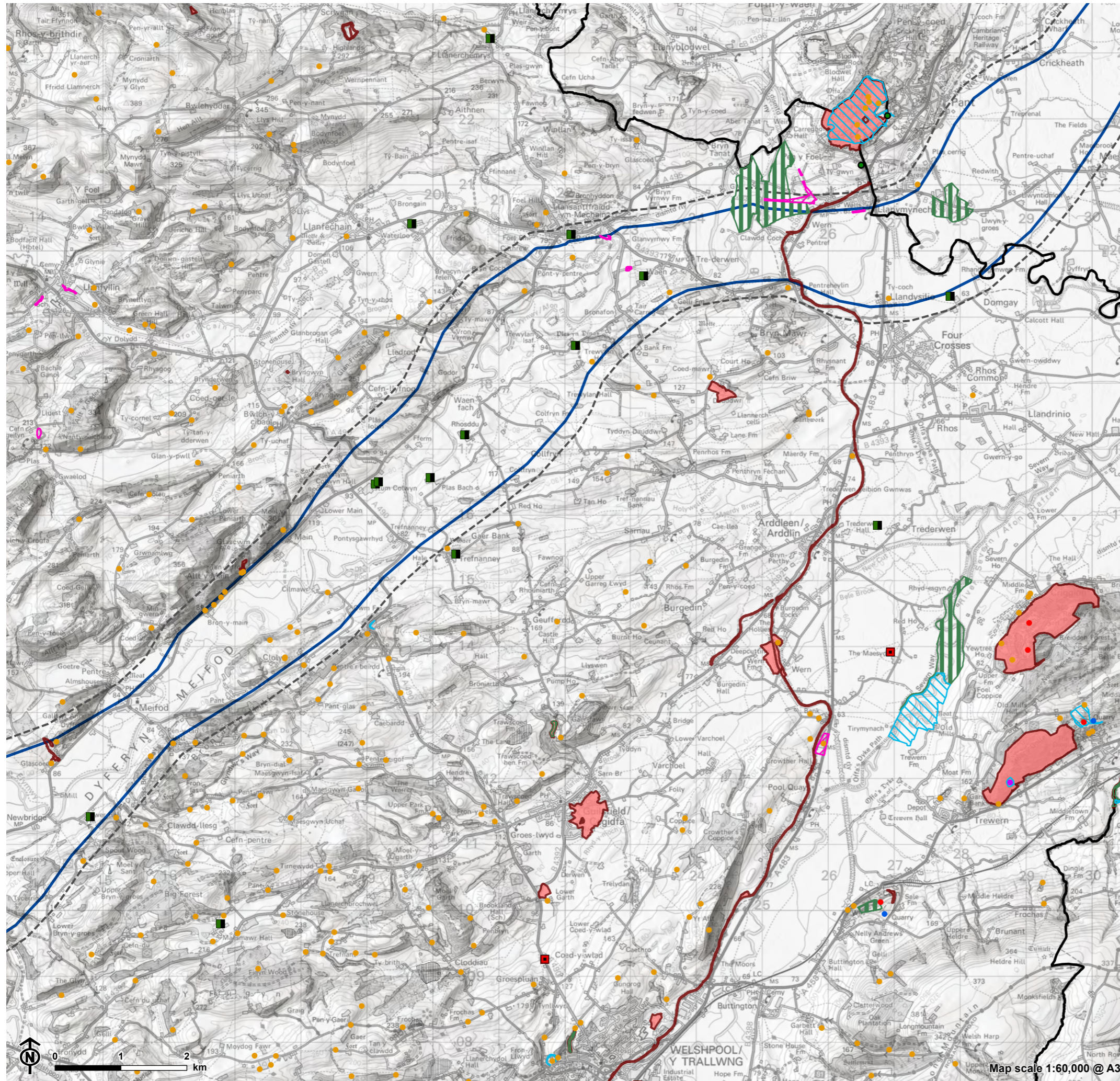
**Additional Credits**  
 Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved.  
 © Natural England copyright 2023. Contains Ordnance Survey data © Crown copyright and database right 2023  
 Contains, or is based on, information supplied by the Forestry Commission. © Crown copyright and database right 2023 Ordnance Survey [100021242]  
 Derived from BritPits BGS Digital Data under Licence No. 2023/089A British Geological Survey © and Database Right UKRI. All rights reserved.



Map scale 1:60,000 @ A3



**Figure 14.1: Ground Conditions -  
Page 2 of 3**



- Scoping Corridor
- 250m from Scoping Corridor
- Wales - England Border
- Geological Conservation Review site
- Regionally Important Geological Site (Powys)
- Regionally Important Geological Site (Shropshire)
- Geodiversity Site of Special Scientific Interest (SSSI) Wales Only
- Mass Movement
- Mines and Quarries**
- Active
- Ceased
- Dormant
- Inactive
- Waste**
- Historic Landfill Sites
- Waste Permit
- Installation Permit

**Notes**

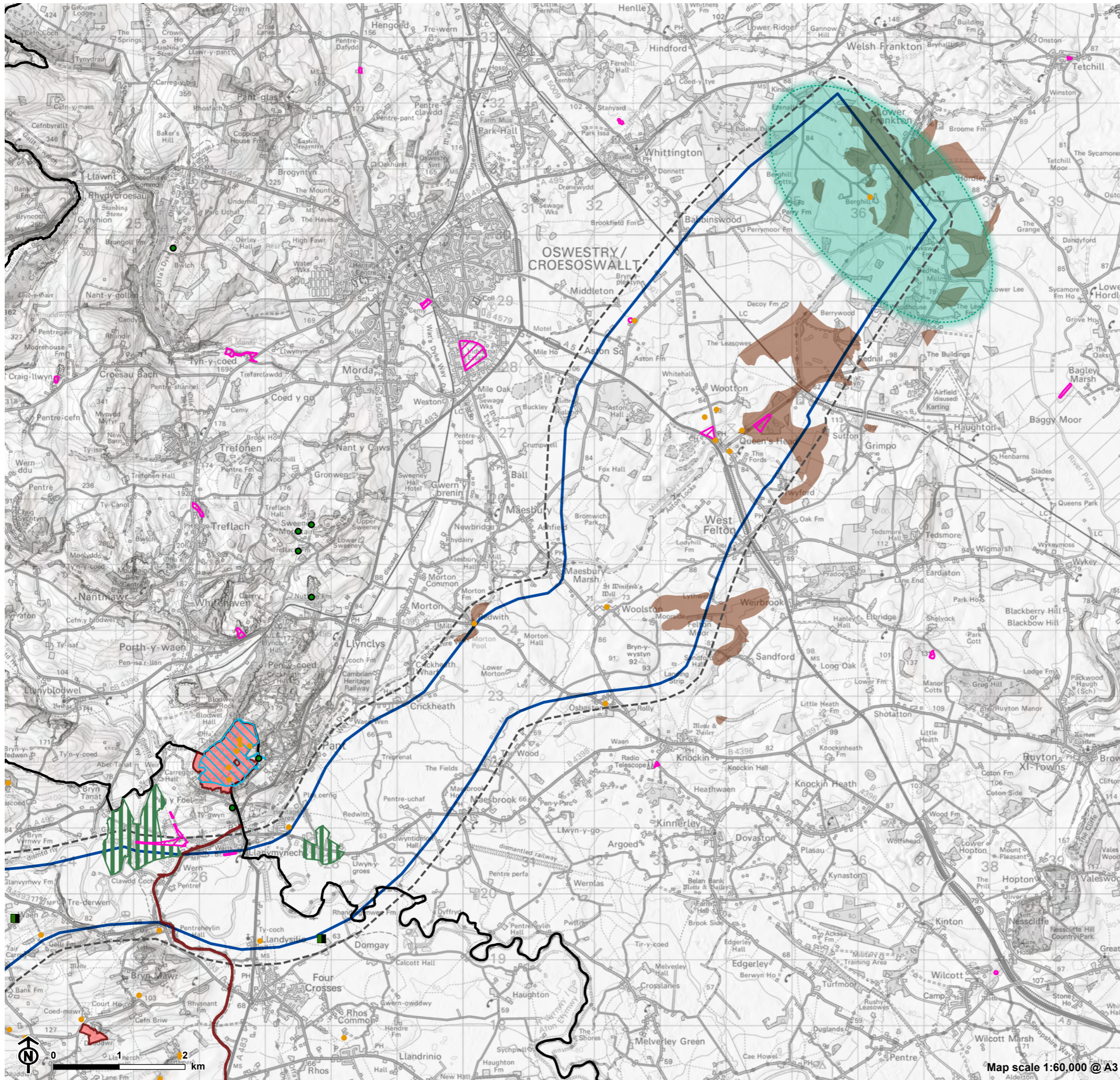
Mines and Quarries data within England limited to within 250m buffer of Scoping Corridor

**Additional Credits**

Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved.  
© Natural England copyright 2023. Contains Ordnance Survey data © Crown copyright and database right 2023  
Contains, or is based on, information supplied by the Forestry Commission. © Crown copyright and database right 2023 Ordnance Survey [100021242]  
Derived from BritPits BGS Digital Data under Licence No. 2023/089A British Geological Survey © and Database Right UKRI. All rights reserved.



**Figure 14.1: Ground Conditions - Page 3 of 3**



- Scoping Corridor
- 250m from Scoping Corridor
- Search Area for National Grid Substation (Not included in project)
- Wales - England Border
- Geological Conservation Review site
- Regionally Important Geological Site (Powys)
- Regionally Important Geological Site (Shropshire)
- Geodiversity Site of Special Scientific Interest (SSSI) Wales Only
- Mass Movement
- Peat**
- BGS Peaty Soils
- Mines and Quarries**
- Ceased
- Waste**
- Historic Landfill Sites
- Installation Permit

**Notes**

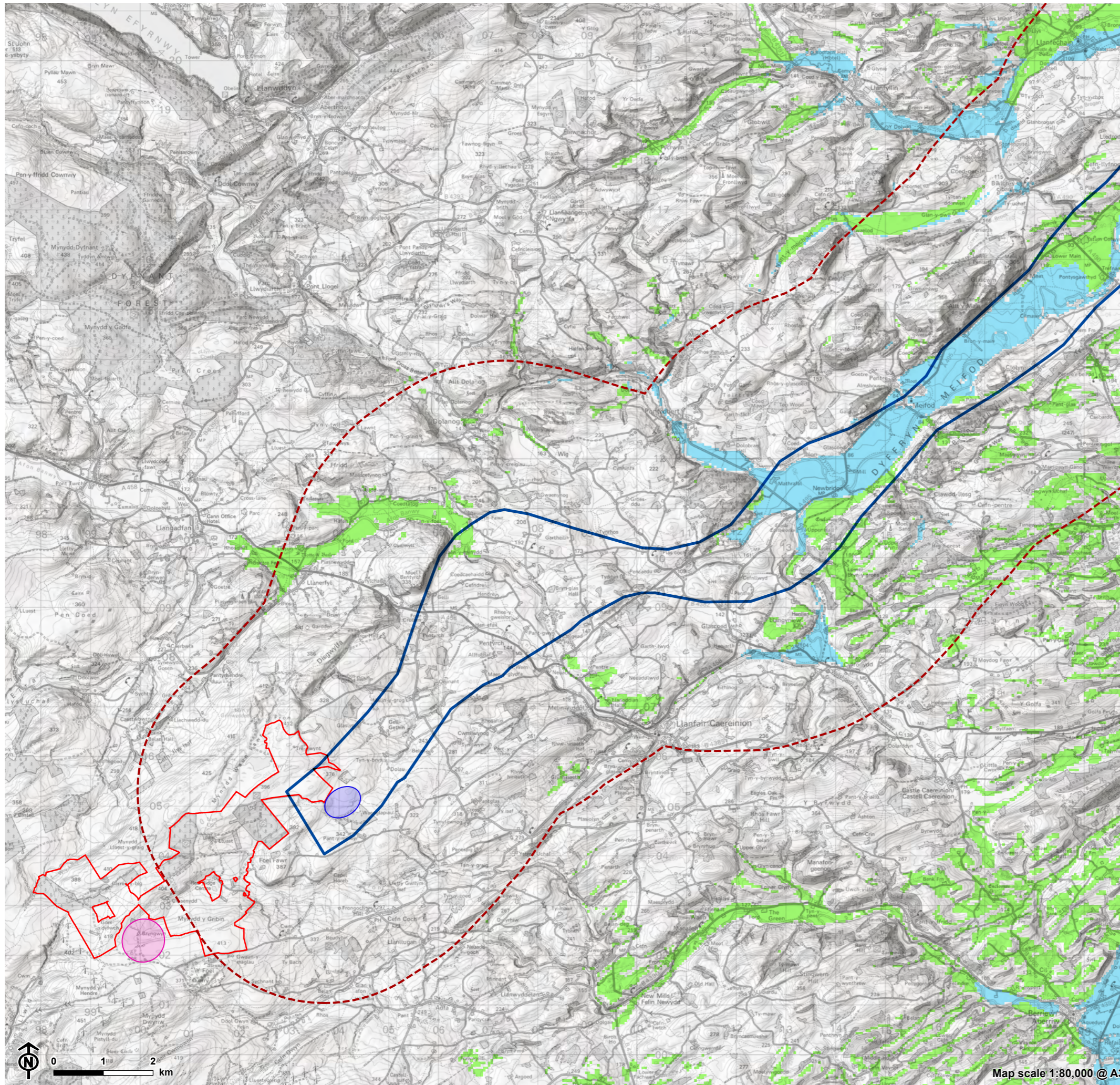
Mines and Quarries data within England limited to within 250m buffer of Scoping Corridor

**Additional Credits**

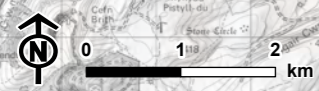
Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved.  
© Natural England copyright 2023. Contains Ordnance Survey data © Crown copyright and database right 2023  
Contains, or is based on, information supplied by the Forestry Commission. © Crown copyright and database right 2023 Ordnance Survey [100021242]  
Derived from BritPits BGS Digital Data under Licence No. 2023/089A British Geological Survey © and Database Right UKRI. All rights reserved.



**Figure 15.1: Agricultural Considerations -  
Page 1 of 2**



- Scoping Corridor
  - Provisional LVIA Study Area
  - Llyn Lort Energy Park
  - Preferred Collector Substation Search Area
  - Preferred Cable Sealing End Compound (CSEC) Search Area
- Predictive Agricultural Land Classification (ALC2)**
- Grade 2
  - Grade 3a

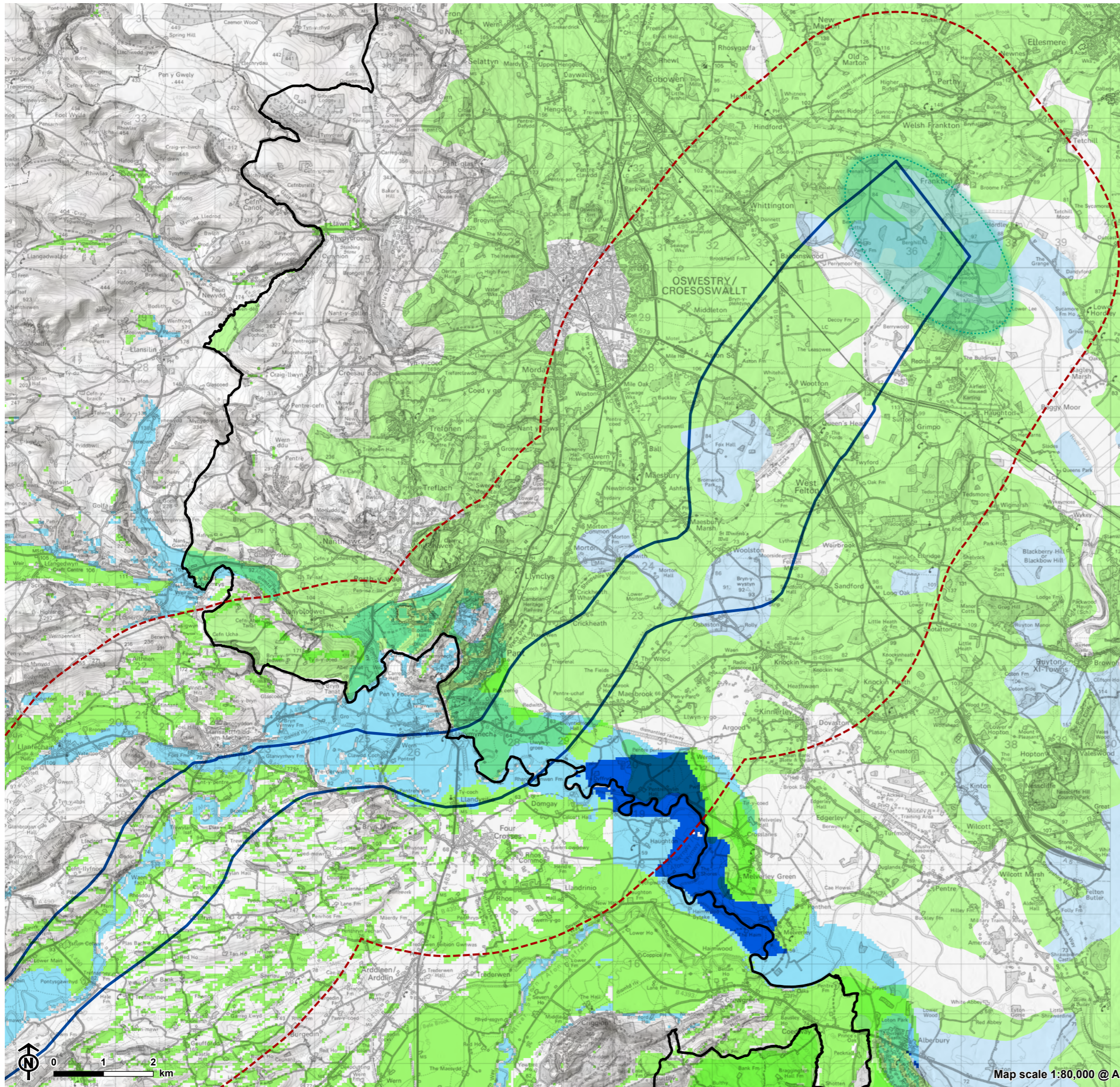


Map scale 1:80,000 @ A3

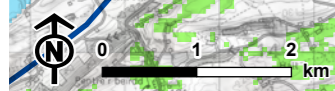
**Additional Credits**  
Contains Welsh Government dataset © Copyright 2023  
© Natural England copyright 2023. Contains Ordnance Survey data © Crown copyright and database right 2023



Figure 15.1: Agricultural Considerations -  
 Page 2 of 2



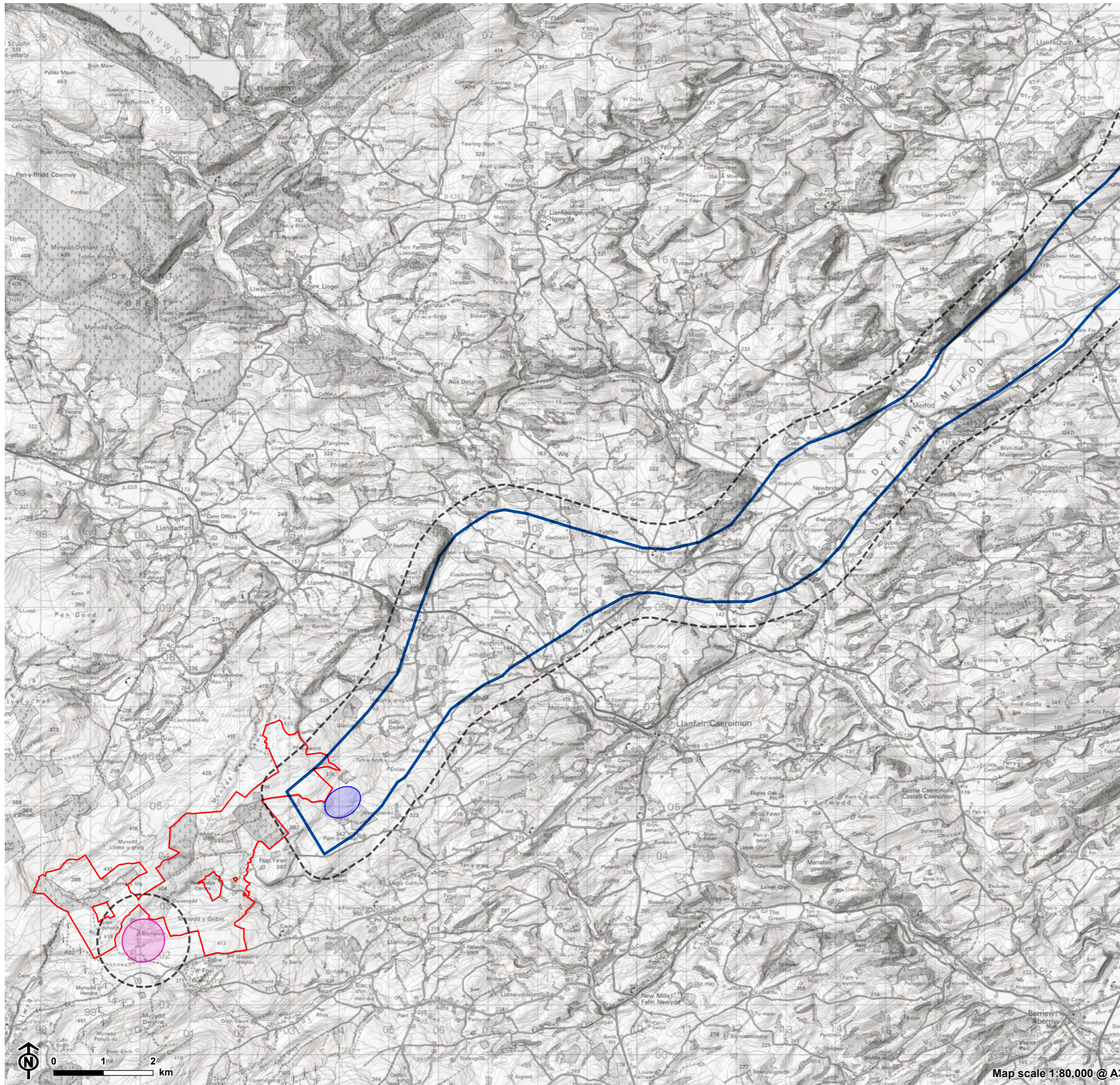
- Scoping Corridor
  - Provisional LVIA Study Area
  - Search Area for National Grid Substation (Not included in project)
  - Wales - England Border
- Predictive Agricultural Land Classification (ALC2)**
- Grade 1
  - Grade 2
  - Grade 3a
- Agricultural Land Classification**
- Grade 2
  - Grade 3



Map scale 1:80,000 @ A3



Figure 16.1: Construction Dust Assessment Study Area -  
 Page 1 of 2








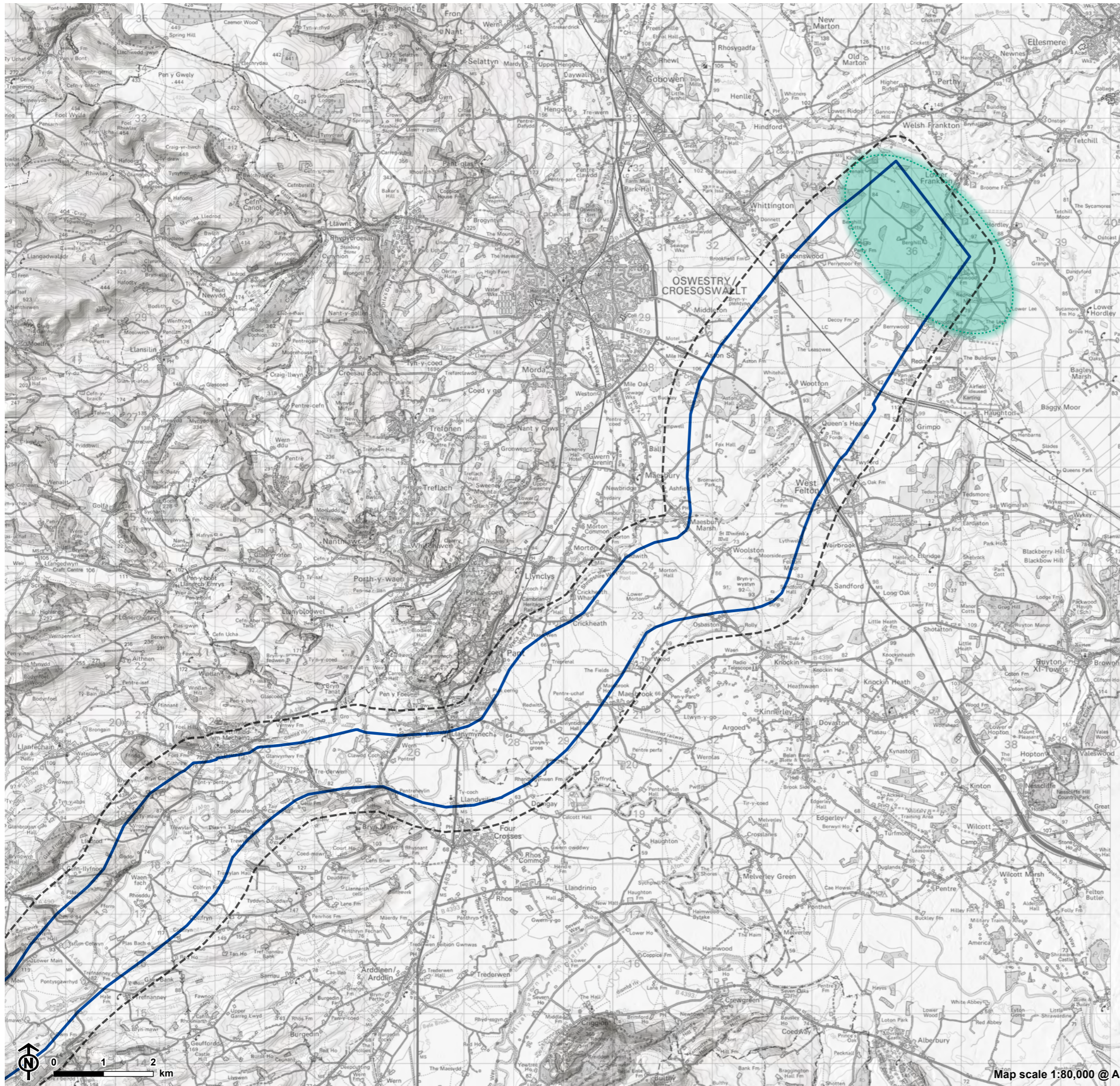
-  Scoping Corridor
-  Construction Dust Assessment Study Area
-  Llyn Lort Energy Park
-  Preferred Collector Substation Search Area
-  Preferred Cable Sealing End Compound (CSEC) Search Area



Figure 16.1: Construction Dust Assessment Study Area -  
Page 2 of 2



- Scoping Corridor
- Construction Dust Assessment Study Area
- Search Area for National Grid Substation (Not included in project)