

Legend

- 1km Buffer
- 10km buffer
- Redline Boundary (RLB)
- EIA Study Area

Note:
• Copyright Licence No EN 0073517 © Tailte Éireann - Surveying

Client Ballyfeeny Green Energy Ltd

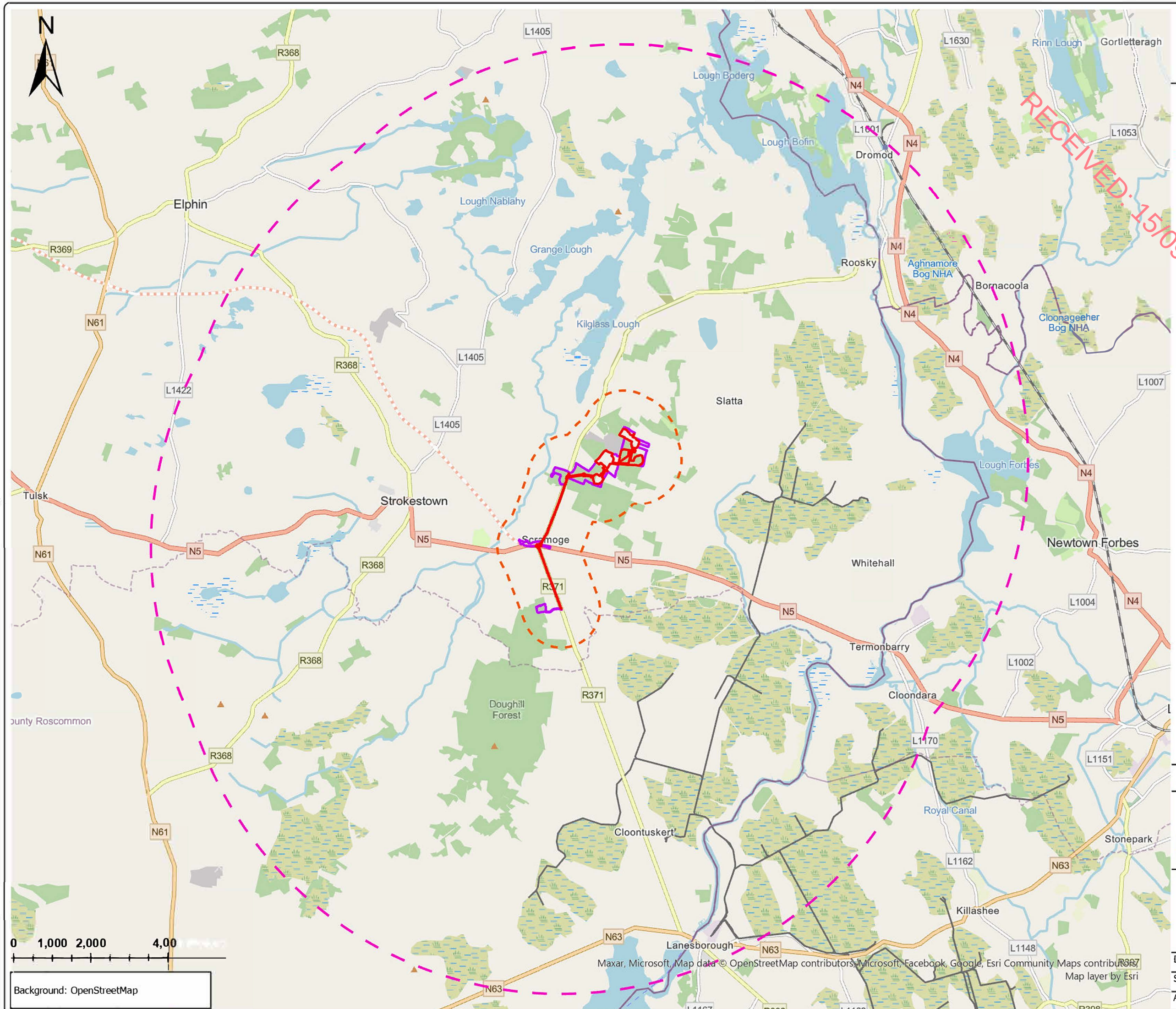


Ballyfeeny Green Energy Ltd
Station Road, Adare, Limerick,
Ireland



Rowan Engineering Consultants
Ltd
Unit 14, Scurlockstown Business
Park, Trim, Co. Meath
www.rec.ie

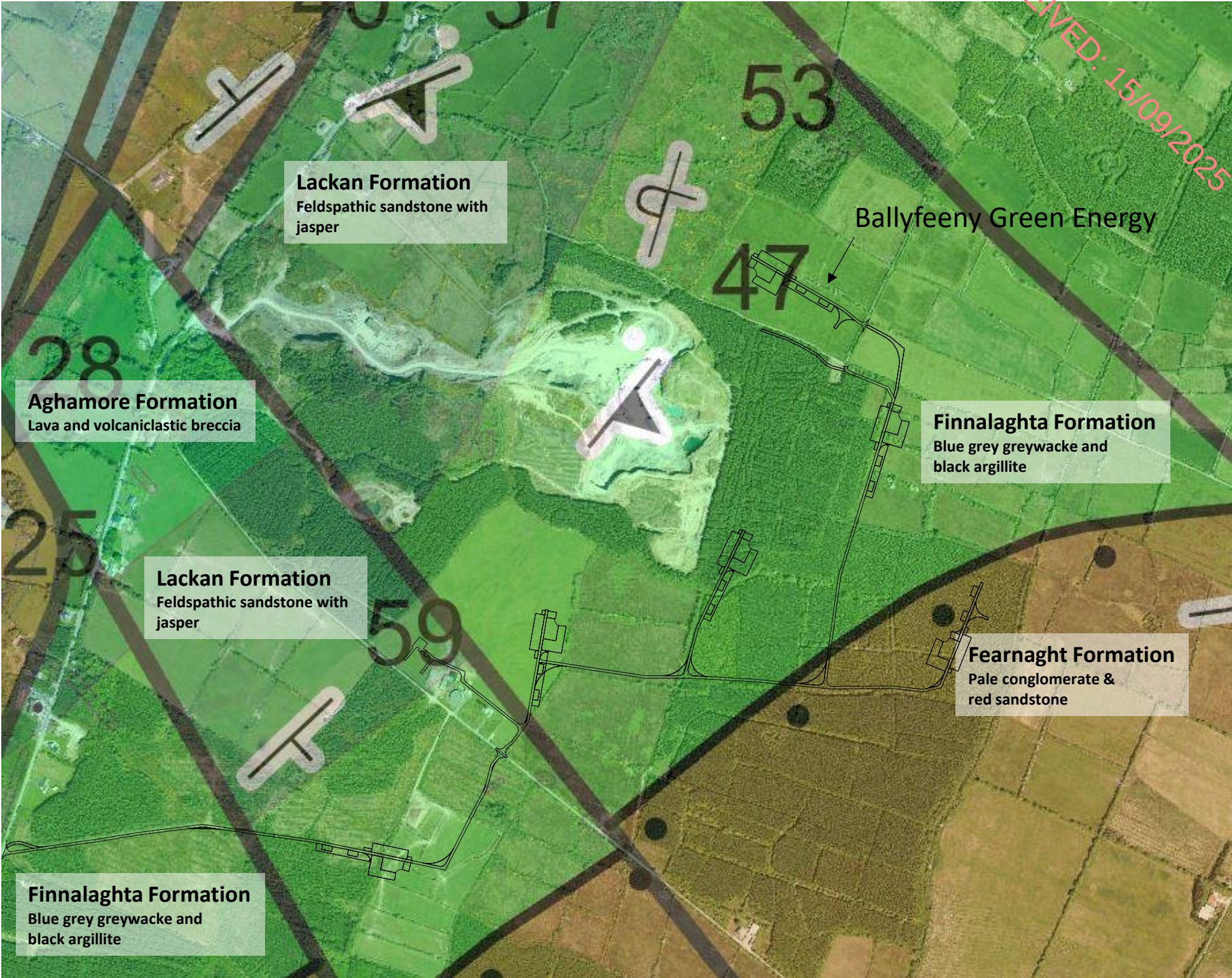
Date 23/06/2025	Revision 1	Job No GRE0001-5
Scale 1:90,000@A3	EIAR	EIAR Figure 7-1
Author EOB	Checked DM	Approved JM



Background: OpenStreetMap

Figure 7-5: Solid Geology

2273-24 Ballyfeeny Green Energy, Co. Roscommon
Soils and Geology Constraints GSI – Solid Geology



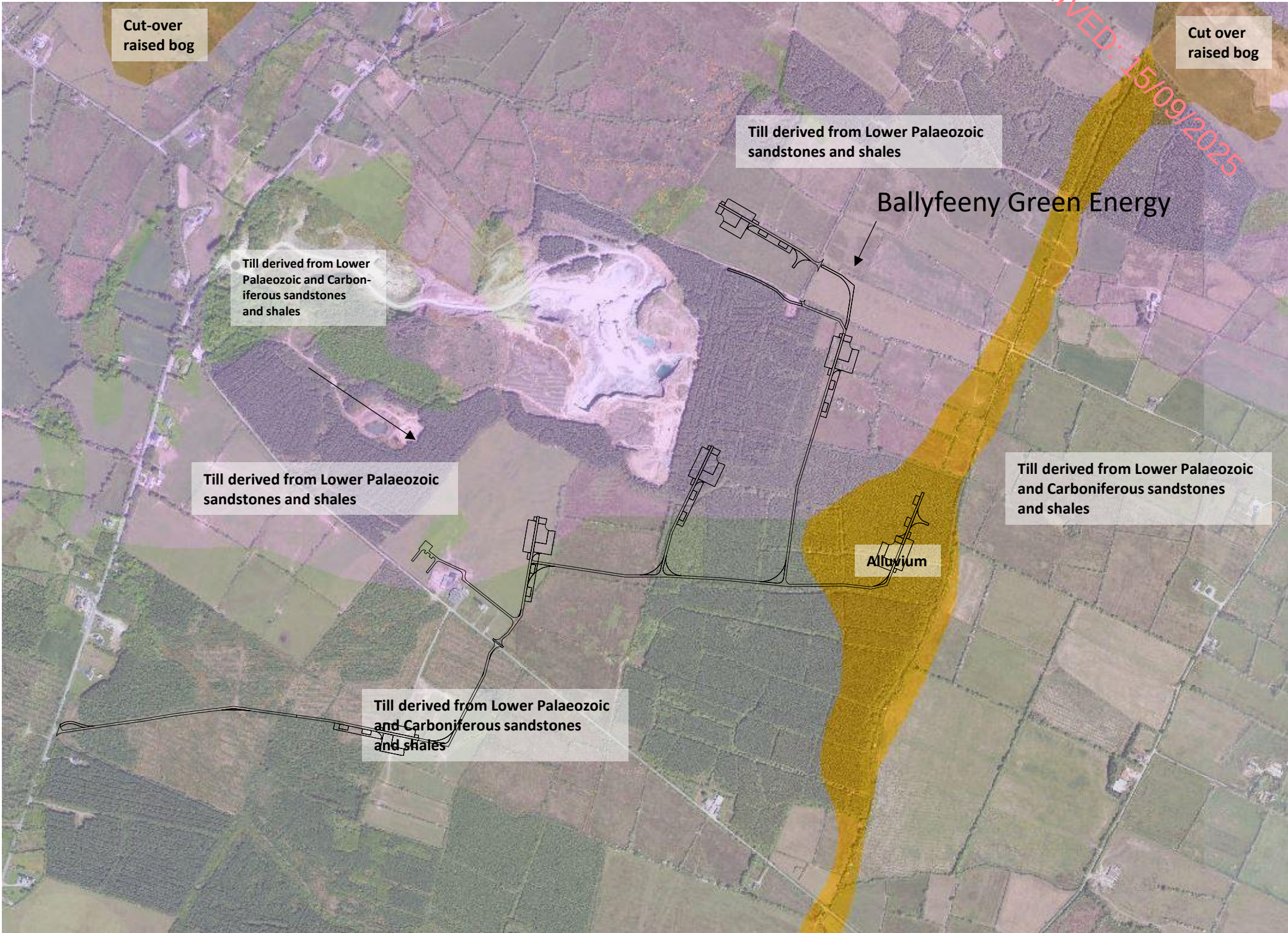
Notes:

- 1. GSI Copyright Reserved, Geological Survey Ireland DECC
- 2. Where indicated all elevation relate to Main Head Datum
- 3. Background Mapping Source: OSI Digital Globe.

Designed by J.W.	Checked by J.W.	Approved by - date J.W. 24/06/2024	Drawing No. Figure 7-5	Date 24/06/2024	Scale NTS
Whiteford Geoservices Ltd Strait House, Strait, BALLYCLARE, Co. Antrim, UK BT39 9 NE			Geological Survey of Ireland Online Mapping Database Solid Geology		
Ballyfeeny Green Energy Soils and Geology Assessment				Edition 1	Sheet

Figure 7-6: Superficial Soils

2273-24 Ballyfeeny Green Energy, Co. Roscommon
Soils and Geology Constraints GSI – Superficial
Soils



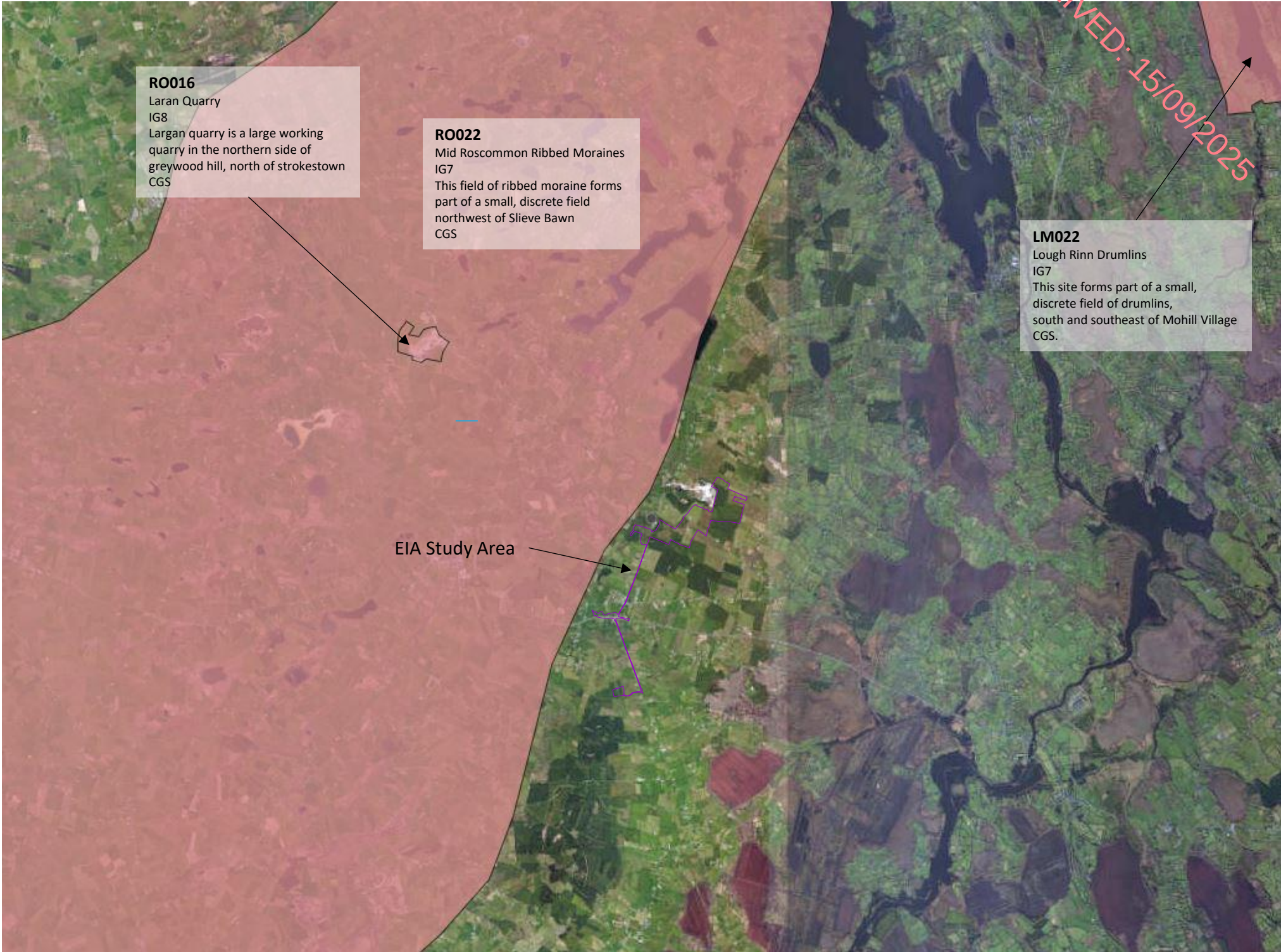
Notes:

- 1. GSI Copyright Reserved, Geological Survey Ireland DECC
- 2. Where indicated all elevation relate to Main Head Datum
- 3. Background Mapping Source: OSI Digital Globe.

Designed by J.W.	Checked by J.M.	Approved by - date J.W. 24/06/2024	Drawing No. Figure 7-6	Date 24/06/2024	Scale NTS
Whiteford Geoservices Ltd Straid House 2 Main Street, Straid, BALLYCLARE, Co. Antrim, UK BT39 9 NE			Geological Survey of Ireland Online Mapping Database Superficial Soils		
Ballyfeeny Green Energy Soils and Geology Assessment				Edition 1	Sheet

Figure 7-7: Protected Geological areas within the study area

2273-24 Ballyfeeny Green Energy, Co. Roscommon Soils and
Geology Constraints GSI – Geological Audited and Unaudited
Sites



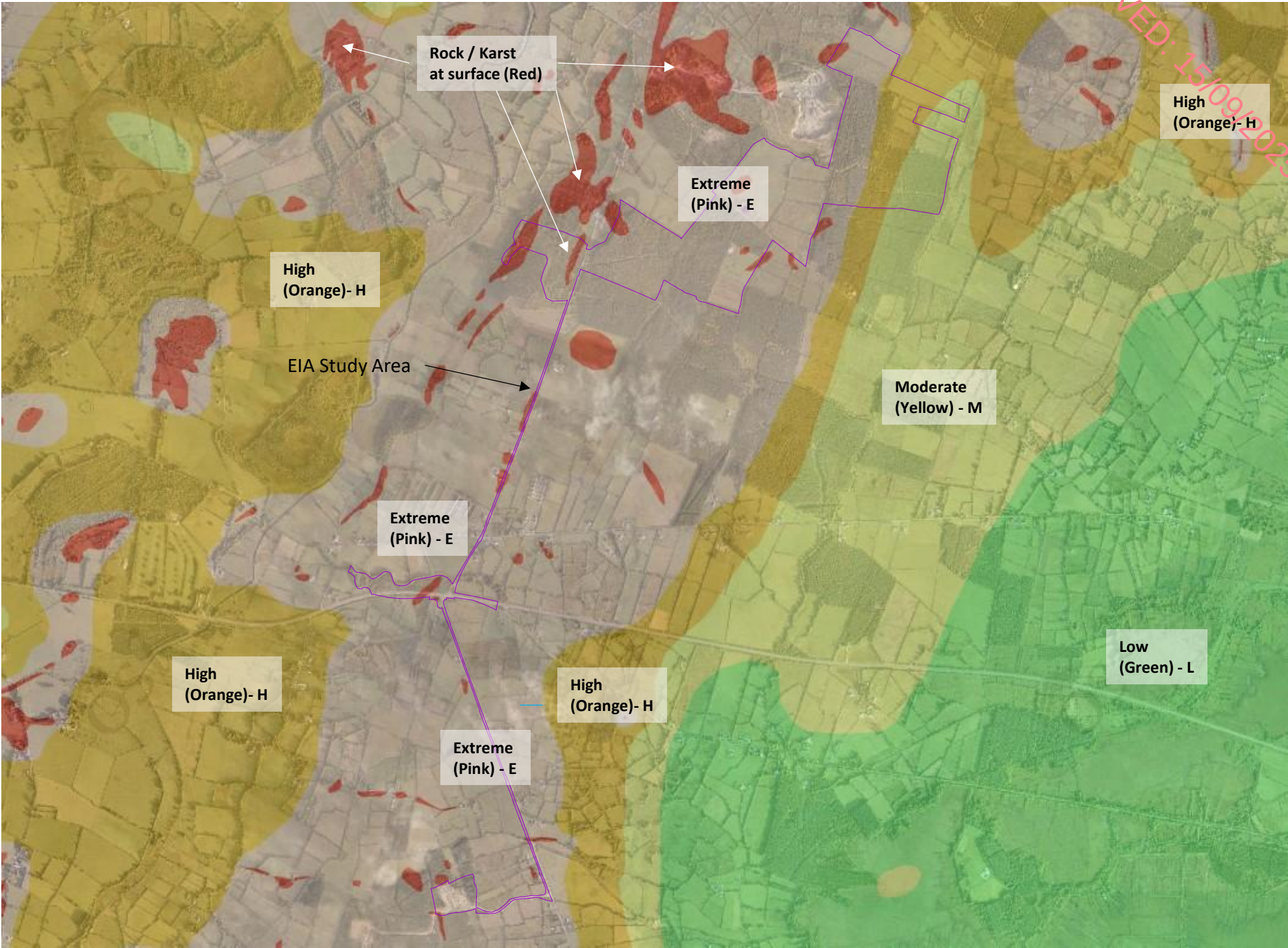
Notes:

- 1. GSI Copyright Reserved, Geological Survey Ireland DECC
- 2. Where indicated all elevation relate to Main Head Datum
- 3. Background Mapping Source: OSI Digital Globe.

Designed by J.W.	Checked by J.M.	Approved by - date J.W. 24/06/2024	Drawing No. Figure 7-7	Date 24/06/2024	Scale NTS
Whiteford Geoservices Ltd Straid House 2 Main Street, Straid, BALLYCLARE, Co. Antrim, UK BT39 9 NE			Geological Survey of Ireland Online Mapping Database Geological Audited and Unaudited Sites		
Ballyfeeny Green Energy Soils and Geology Assessment				Edition 1	Sheet

Figure7-8: Groundwater Vulnerability

2273-24 Ballyfeeny Green Energy, Co. Roscommon Soils and
Geology Constraints GSI – Groundwater Vulnerability



Notes:

- 1. GSI Copyright Reserved, Geological Survey Ireland DECC
- 2. Where indicated all elevation relate to Main Head Datum
- 3. Background Mapping Source: OSI Digital Globe.

Designed by J.W.	Checked by J.M.	Approved by - date J.W. 24/06/2024	Drawing No. Figure 7-8	Date 24/06/2024	Scale NTS
Whiteford Geoservices Ltd Straid House 2 Main Street, Straid, BALLYCLARE, Co. Antrim, UK BT39 9 NE			Geological Survey of Ireland Online Mapping Database Groundwater Vulnerability		
Ballyfeeny Green Energy Soils and Geology Assessment				Edition 1	Sheet

Figure 7-9: Groundwater Features, Karst Features, Springs and Abstraction Points

2273-24 Ballyfeeny Green Energy, Co. Roscommon
Soils and Geology Constraints GSI – Groundwater Features, Karst Features, Springs and Abstraction Points



Notes:

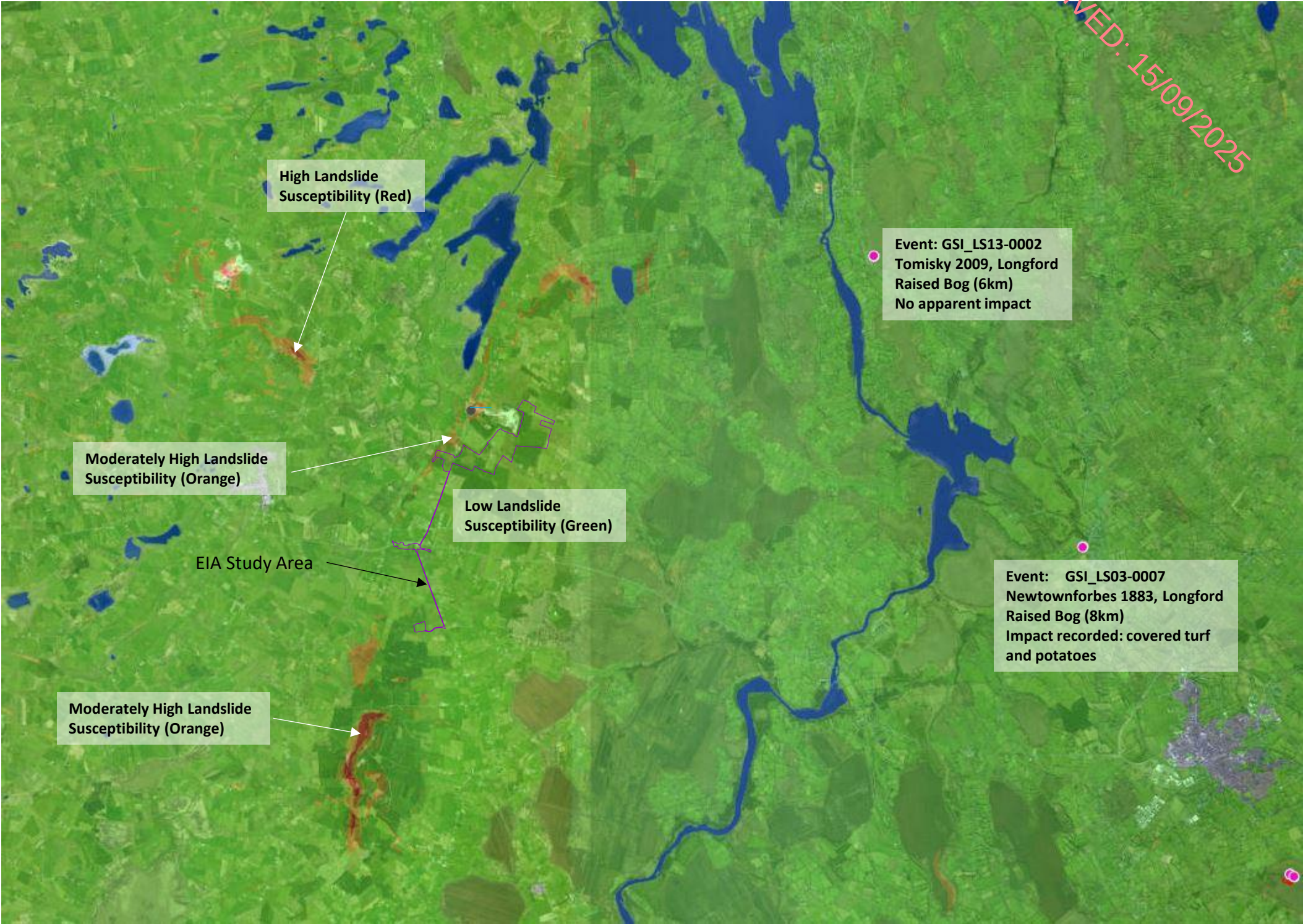
- 1. GSI Copyright Reserved, Geological Survey Ireland DECC
- 2. Where indicated all elevation relate to Main Head Datum
- 3. Background Mapping Source: OSI Digital Globe.

Designed by J.W.	Checked by J.M.	Approved by - date J.W. 24/06/2024	Drawing No. Figure 7-9	Date 24/06/2024	Scale NTS
Whiteford Geoservices Ltd Straid House 2 Main Street, Straid, BALLYCLARE, Co. Antrim, UK BT39 9 NE			Geological Survey of Ireland Online mapping Database Groundwater Features, Karst, Springs and Abstraction Ballyfeeny Green Energy Soils and Geology Assessment		
			Edition 1		Sheet

Figure 710: Landslide Susceptibility and Recorded Events

2273-24 Ballyfeeny Green Energy, Co. Roscommon Soils and
Geology Constraints GSI – Landslide Susceptibility and Recorded
Events

RECEIVED: 15/09/2025



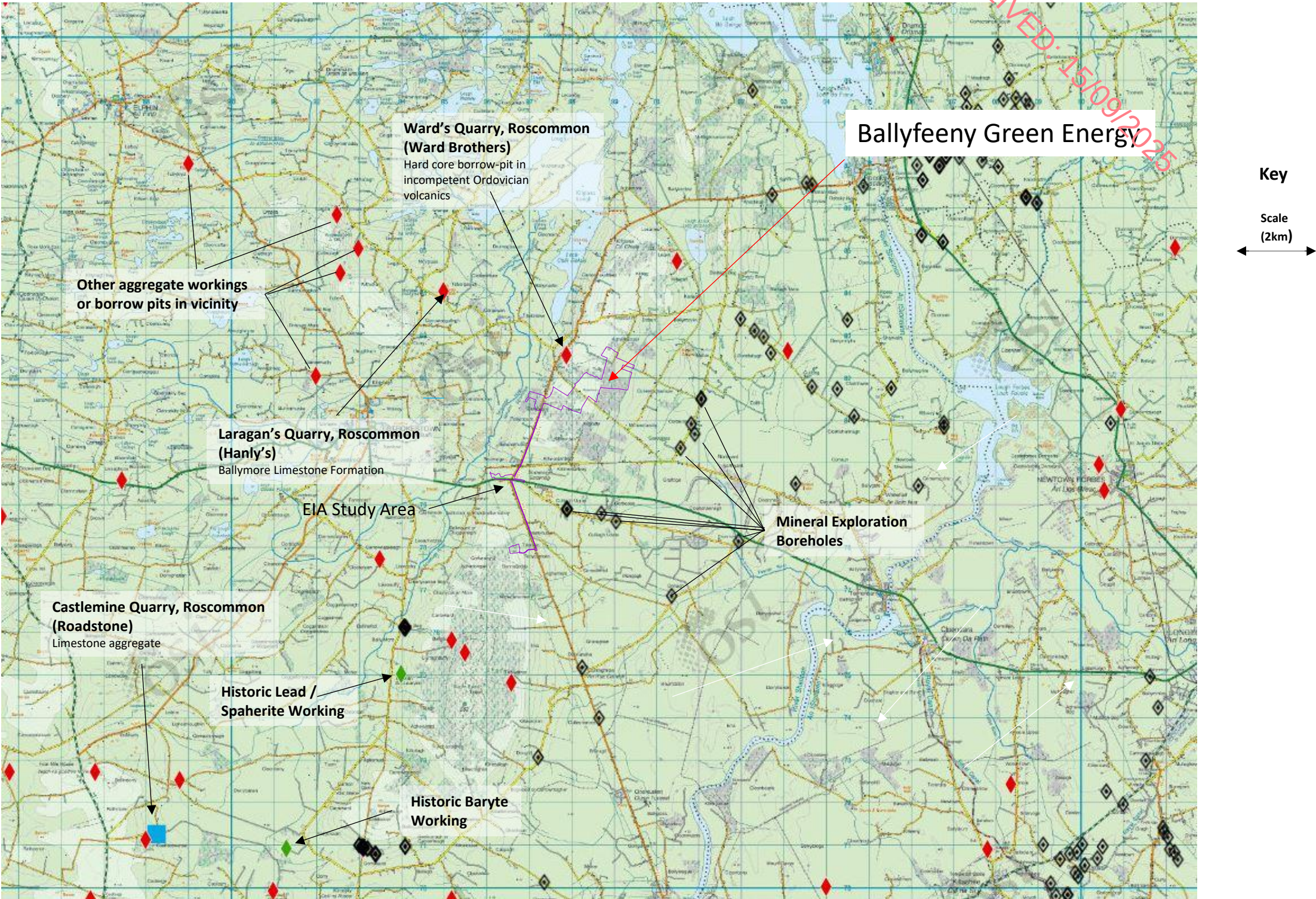
Notes:

- 1. GSI Copyright Reserved, Geological Survey Ireland DECC
- 2. Where indicated all elevation relate to Main Head Datum
- 3. Background Mapping Source: OSI Digital Globe.

Designed by J.W.	Checked by J.M.	Approved by - date J.W. 24/06/2024	Drawing No. Figure 7-10	Date 24/06/2024	Scale NTS
Whiteford Geoservices Ltd Straid House, 2 Main Street, Straid, BALLYCLARE, Co. Antrim, UK BT39 9 NE			Geological Survey of Ireland Online Mapping Database Landslide Susceptibility and Recorded Events		
Ballyfeeny Green Energy Soils and Geology Assessment				Edition 1	Sheet 16

Figure 7-11: Minerals and Active Quarrying

2273-24 Ballyfeeny Green Energy, Co. Roscommon Soils and
Geology Constraints GSI – Minerals and Active Quarrying



Notes:

- 1. GSI Copyright Reserved, Geological Survey Ireland DECC
- 2. Where indicated all elevation relate to Main Head Datum
- 3. Background Mapping Source: OSI Digital Globe.

Designed by J.W.	Checked by J.M.	Approved by - date J.W. 24/06/2024	Drawing No. Figure 7-11	Date 24/06/2024	Scale NTS
Whiteford Geoservices Ltd Straid House 2 Main Street, Straid, BALLYCLARE, Co. Antrim, UK BT39 9 NE			Geological Survey of Ireland Online Mapping Database Minerals and Active Quarrying Ballyfeeny Green Energy Soils and Geology Assessment		
			Edition 1		
			Sheet 1		