

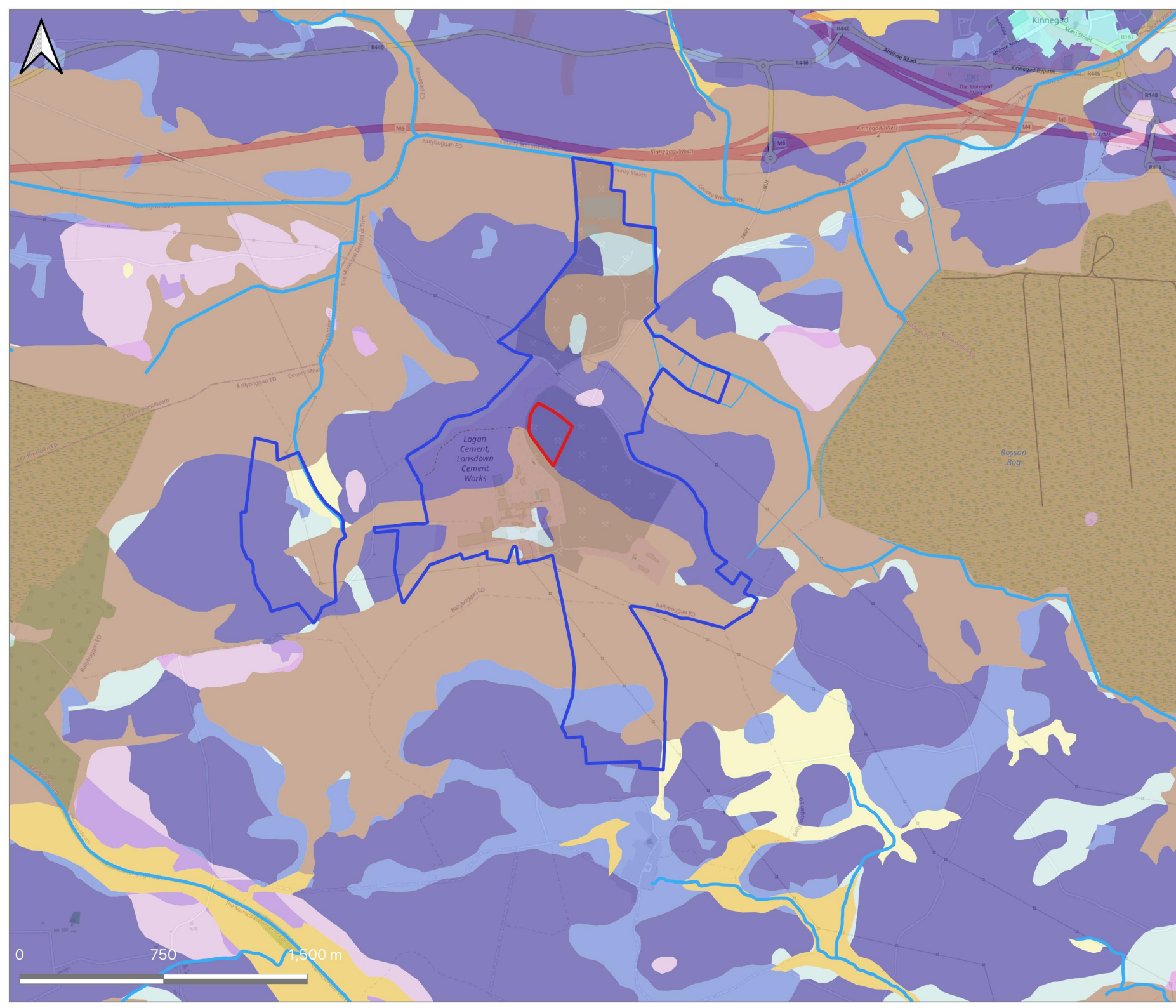
- Legend:**
- Ownership Boundary
 - Application Boundary
 - EPA River Network

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Figure 7.1: Topographical Setting

Date:	July 2022
Project:	21-P30/1970
Author:	COR
Scale:	1: 60,000 @ A4
Client:	Bredon Cement Ireland
Project:	EIAR Chapter: Land, Soils & Geology
Location:	Killaskillen, Kinnegad, Co. Meath





Legend:

- Application Boundary
- Ownership Boundary
- EPA River Network
- Drainage Networks

Soils

- Alluvium (mineral)
- Deep, well-drained, basic
- Deep, poorly-drained, basic
- Poorly-drained with peaty topsoil
- Shallow, poorly-drained, acidic
- Shallow podzol with peaty topsoil basic
- Shallow, well-drained, acidic
- Cut Peat
- Lacustrine
- Made Ground

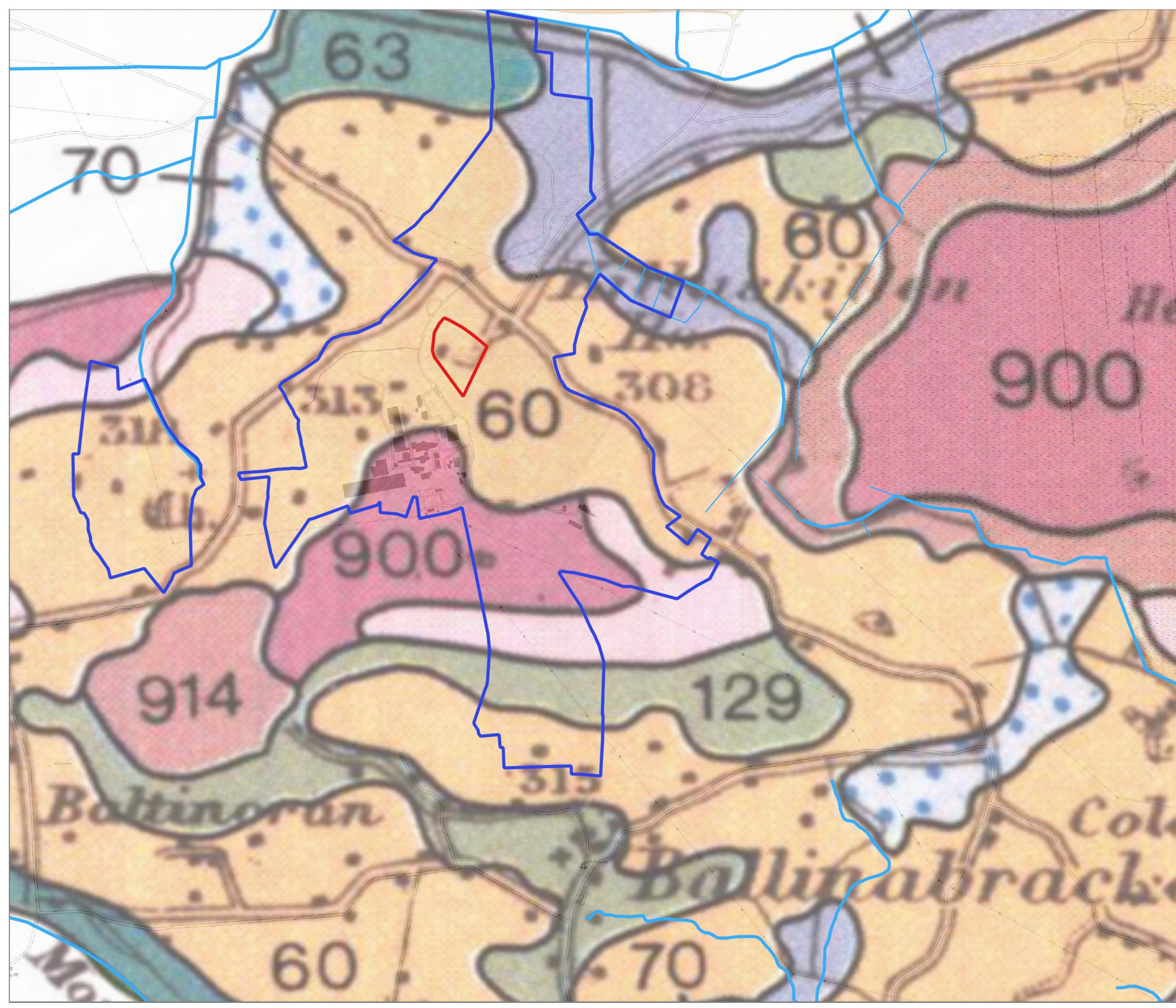
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Figure 7.2: General Soils Classification

Date:	July 2022
Project:	21-P30/1970
Author:	COR
Scale:	1: 25,000
Client:	Breedon Cement Ireland
Project:	EIAR Chapter: Land, Soils & Geology
Location:	Killaskillen, Kinnegad, Co. Meath



0 750 1,500 m



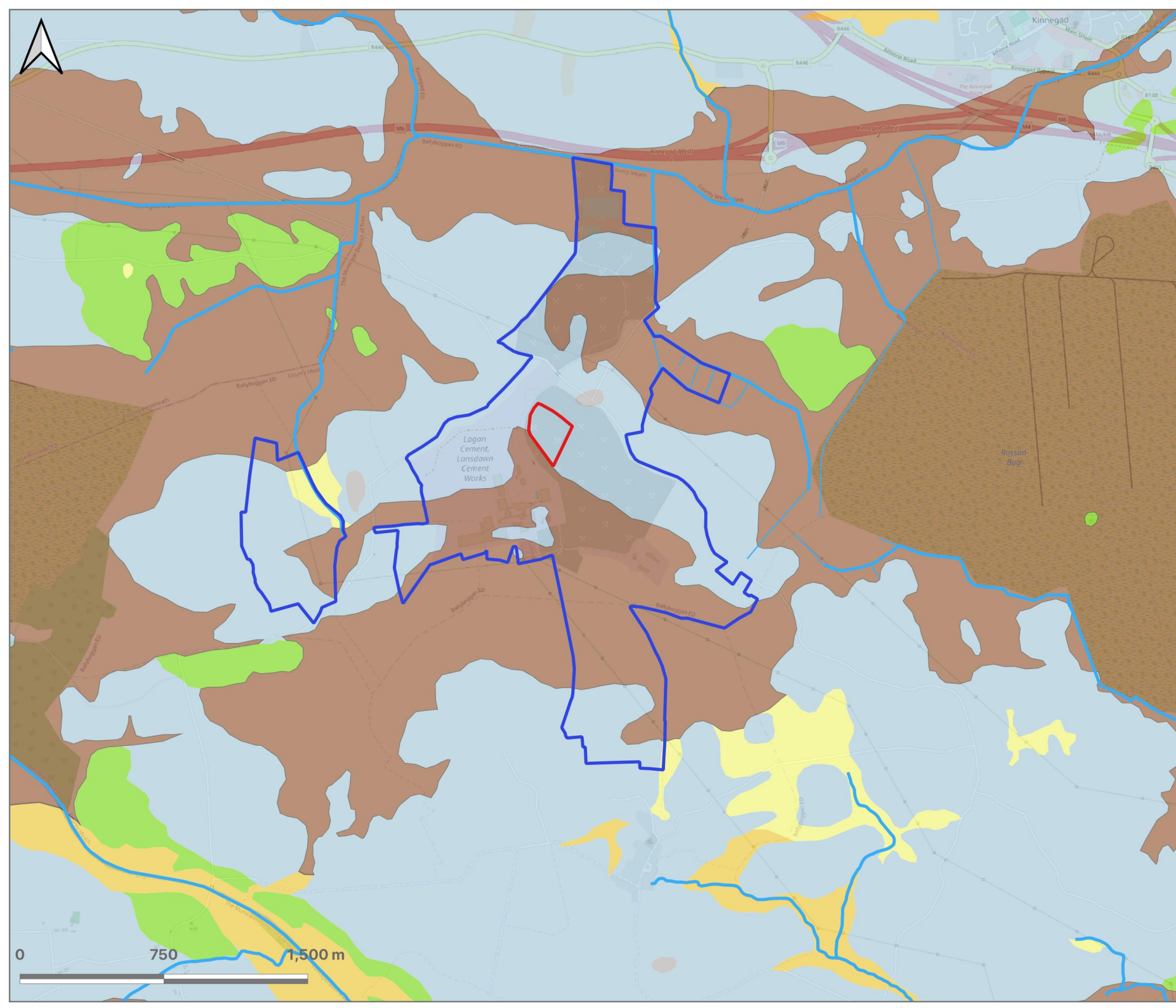
Legend:

- Application Boundary
- Ownership Boundary
- EPA River Network
- Drainage Networks

- 60: Grey Brown Podzolic
- 900: Raised Bog
- 914: Cutover Raised Bog
- 913: Cutover Raised Bog
- 129: Gley (till)
- 63: Gley (alluvium)
- 70: Gley (till)

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Figure 7.3: Soils of County Meath	
Date:	July 2022
Project:	21-P30/1970
Author:	COR
Scale:	1: 20,000
Client:	Breedon Cement Ireland
Project:	EIAR Chapter: Land, Soils & Geology
Location:	Killaskillen, Kinnegad, Co. Meath



Legend:

- Application Boundary
- Ownership Boundary
- EPA River Network
- Drainage Networks

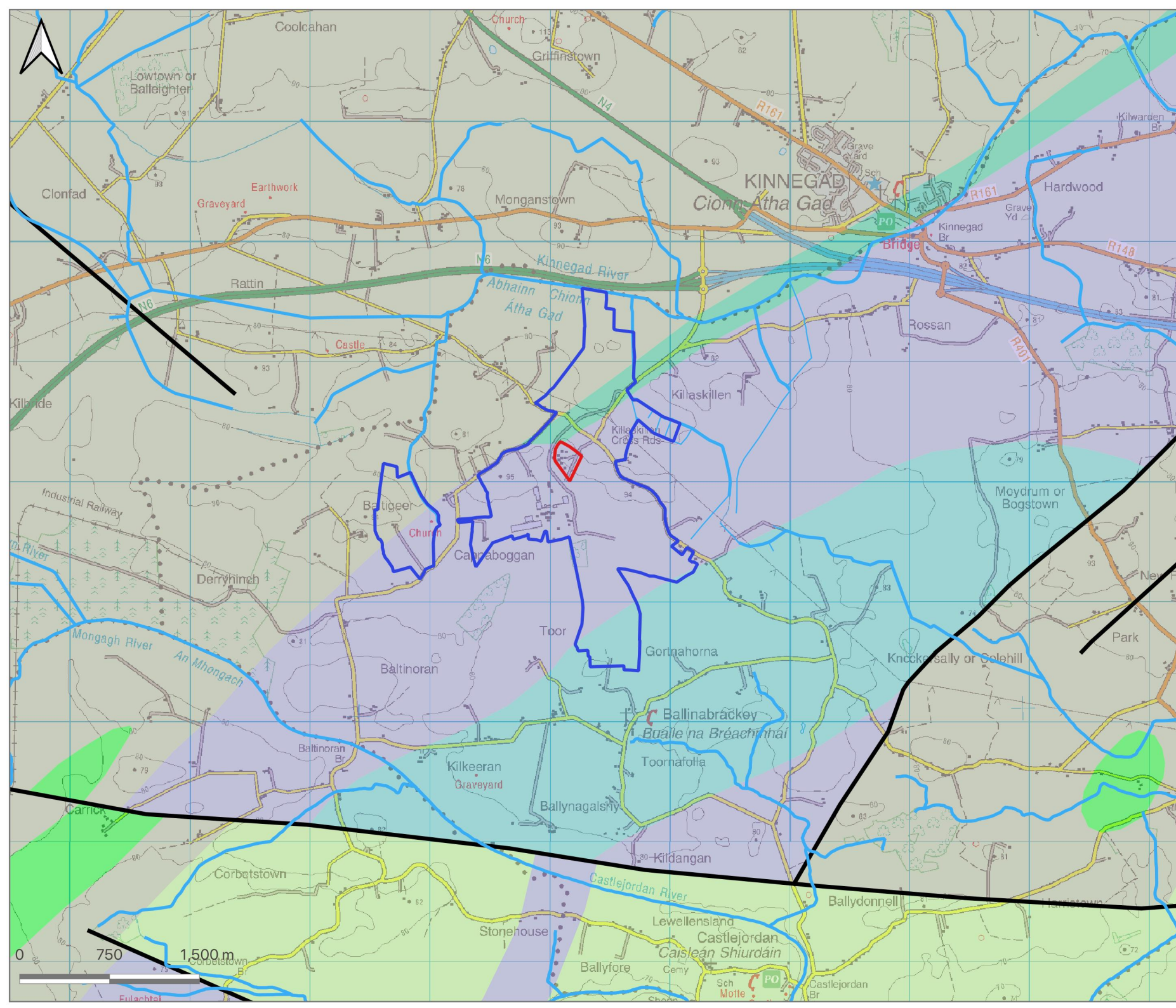
Quaternary Sediments

- Alluvium
- Bedrock outcrop
- Cut over raised peat
- Limestone Gravels
- Lacustrine sediments
- Limestone till

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Figure 7.4: Quaternary Deposits	
Date:	July 2022
Project:	21-P30/1970
Author:	COR
Scale:	1: 25,000
Client:	Breedon Cement Ireland
Project:	EIAR Chapter: Land, Soils & Geology
Location:	Killaskillen, Kinnegad, Co. Meath





Legend:

- Ownership Boundary
- Drainage Networks
- EPA River Network
- Structural Faulting

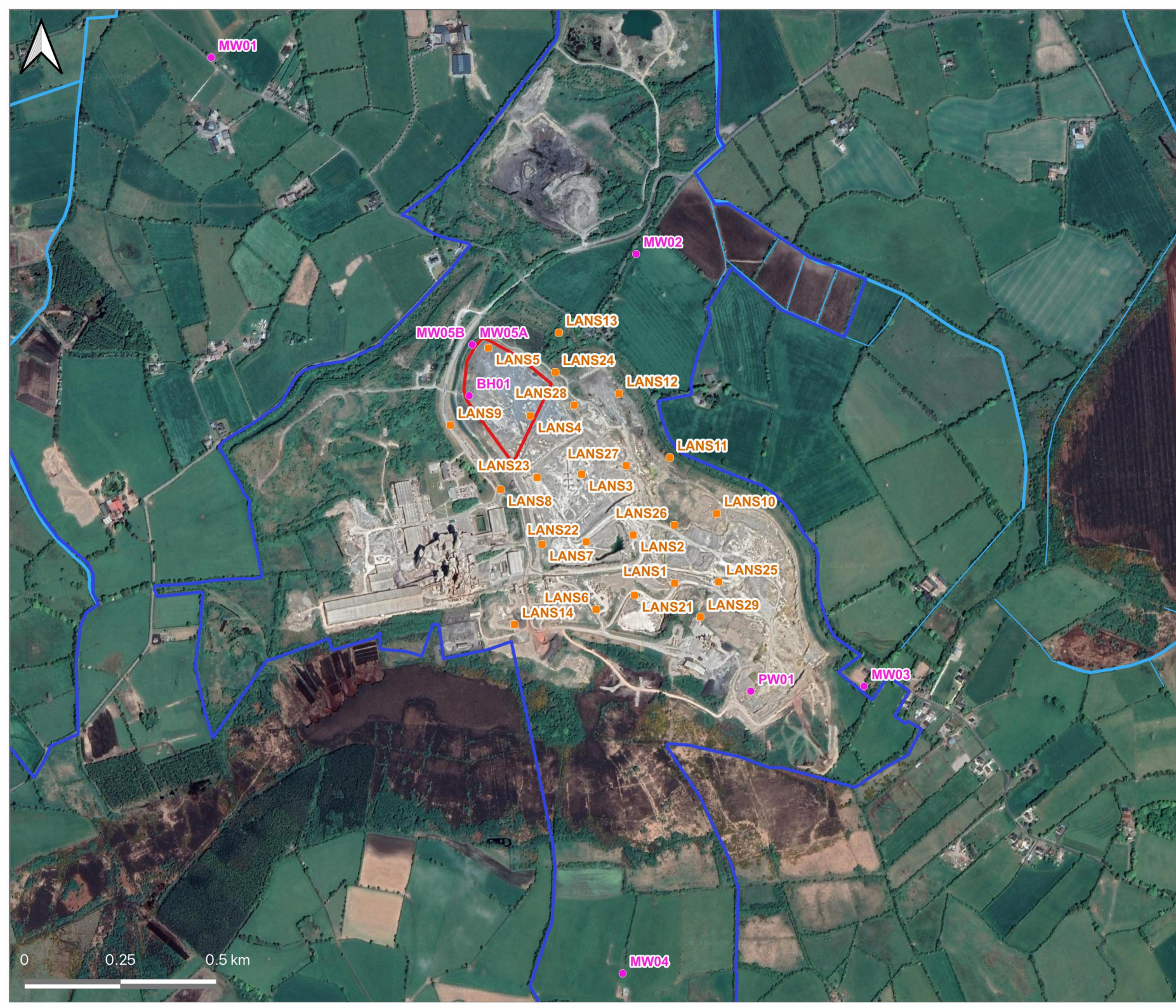
Bedrock Units

- Ballysteen Formation
- Edenderry Oolite Member
- Lucan Formation
- Tober Colleen Formation
- Volcanics (in Carboniferous)
- Waulsortian Limestones

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Figure 7.5: Bedrock Geology	
Date:	July 2022
Project:	21-P30/1970
Author:	COR
Scale:	1: 40,000
Client:	Breedon Cement Ireland
Project:	EIAR Chapter: Land, Soils & Geology
Location:	Killaskillen, Kinnegad, Co. Meath





- Legend:
- Application Boundary
 - Ownership Boundary
 - 1998 Boreholes
 - 2008 Boreholes

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Fig. 7.6: Historical Site Investigation

Date: July 2022

Project: 21-P30/1970

Author: COR

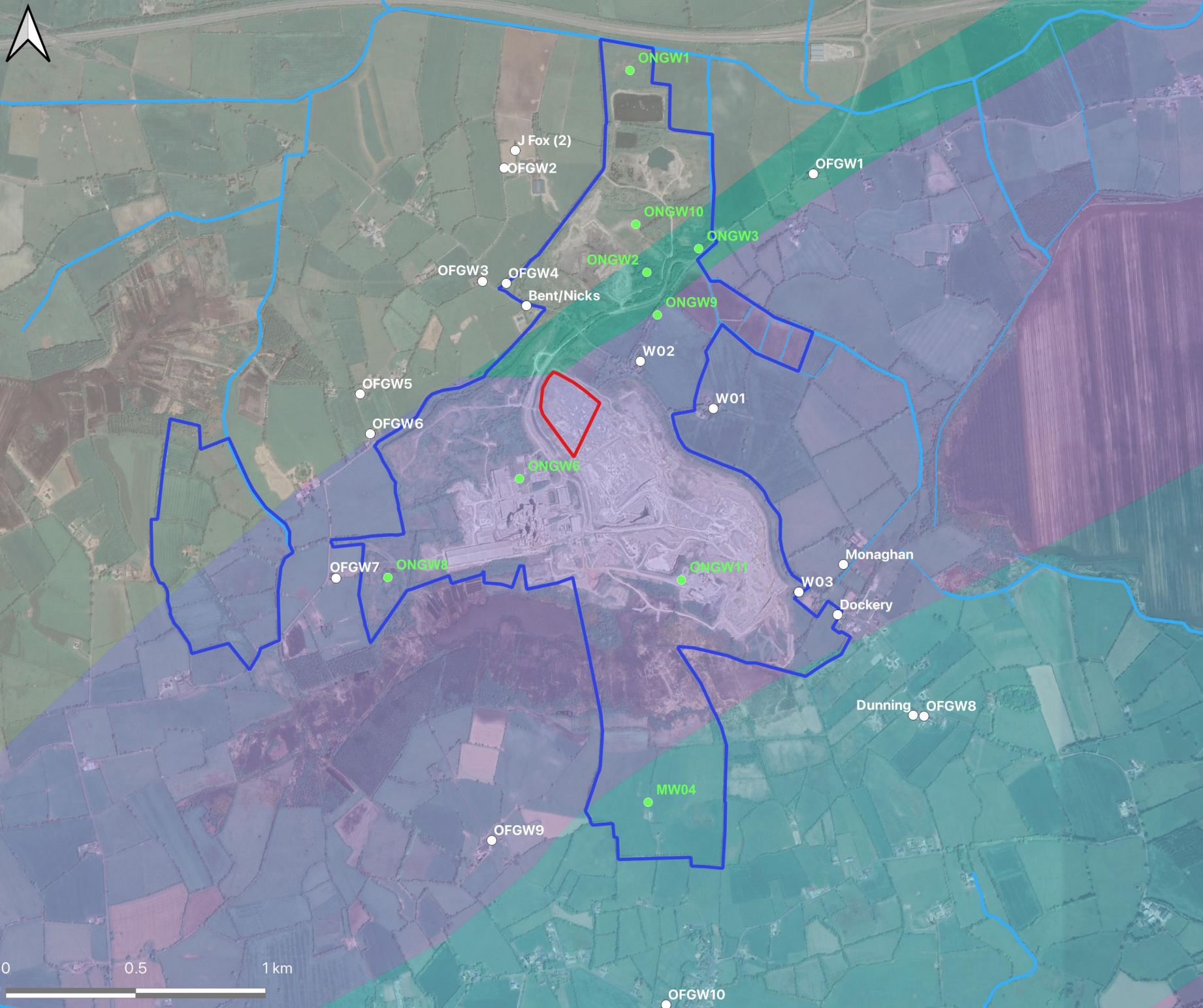
Scale: 1: 12,500

Client: Breedon Cement Ireland

Project: EIAR Chapter:
 Land, Soils & Geology

Location: Killaskillen, Kinnegad,
 Co. Meath





Legend:

- Ownership Boundary
- Application Boundary
- EPA River Network
- Drainage Networks
- Off Site Groundwater Level Monitoring Points
- On Site Groundwater Level Monitoring Points

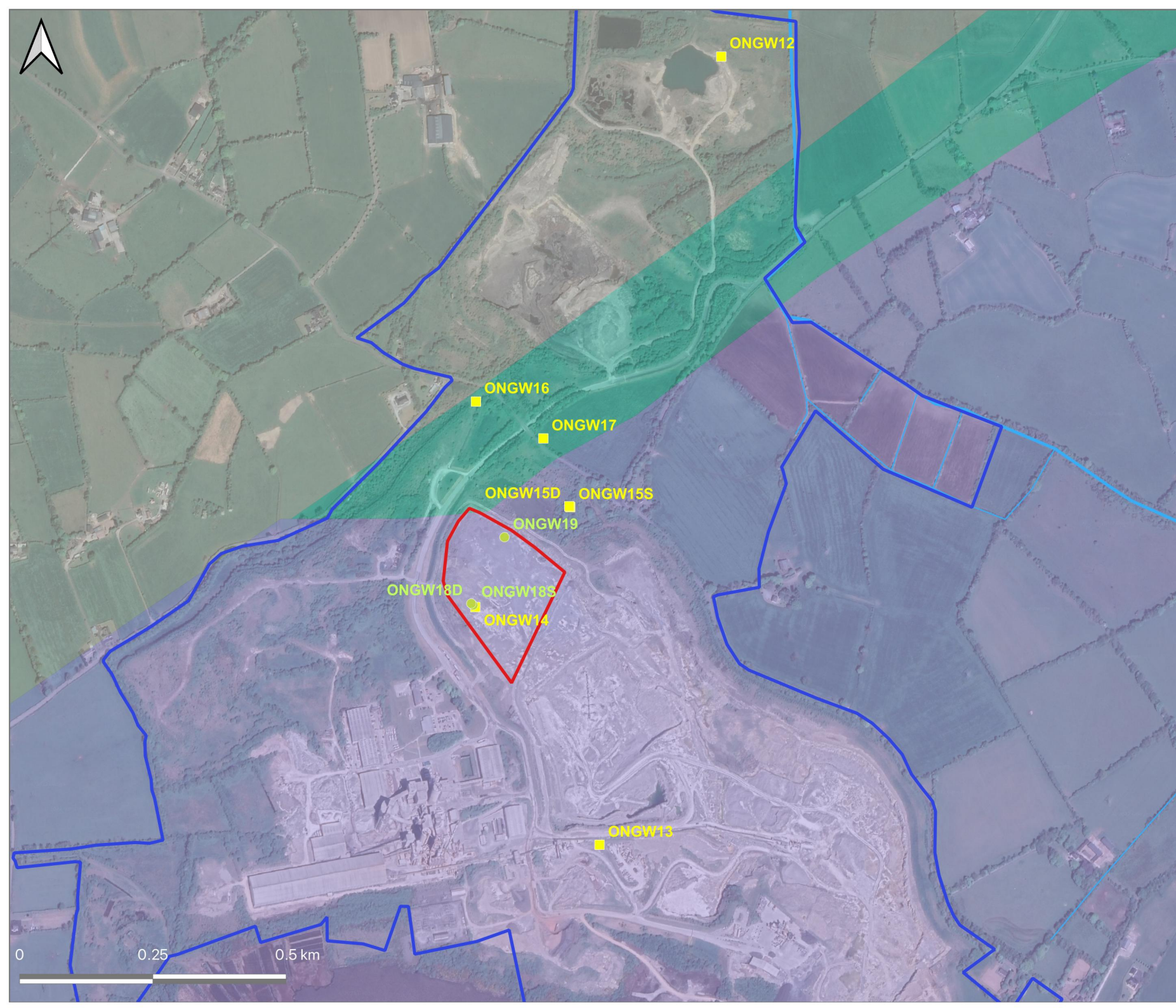
GSI Bedrock Units

- Ballysteen Formation
- Lucan Formation
- Tober Colleen Formation
- Waulsortian Limestones

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Fig. 7.7:	GW Level Monitoring Wells
Date:	July 2022
Project:	21-P30/1970
Author:	COR
Scale:	1: 16,000
Client:	Breedon Cement Ireland
Project:	EIAR Chapter: Land, Soils & Geology
Location:	Killaskillen, Kinnegad, Co. Meath



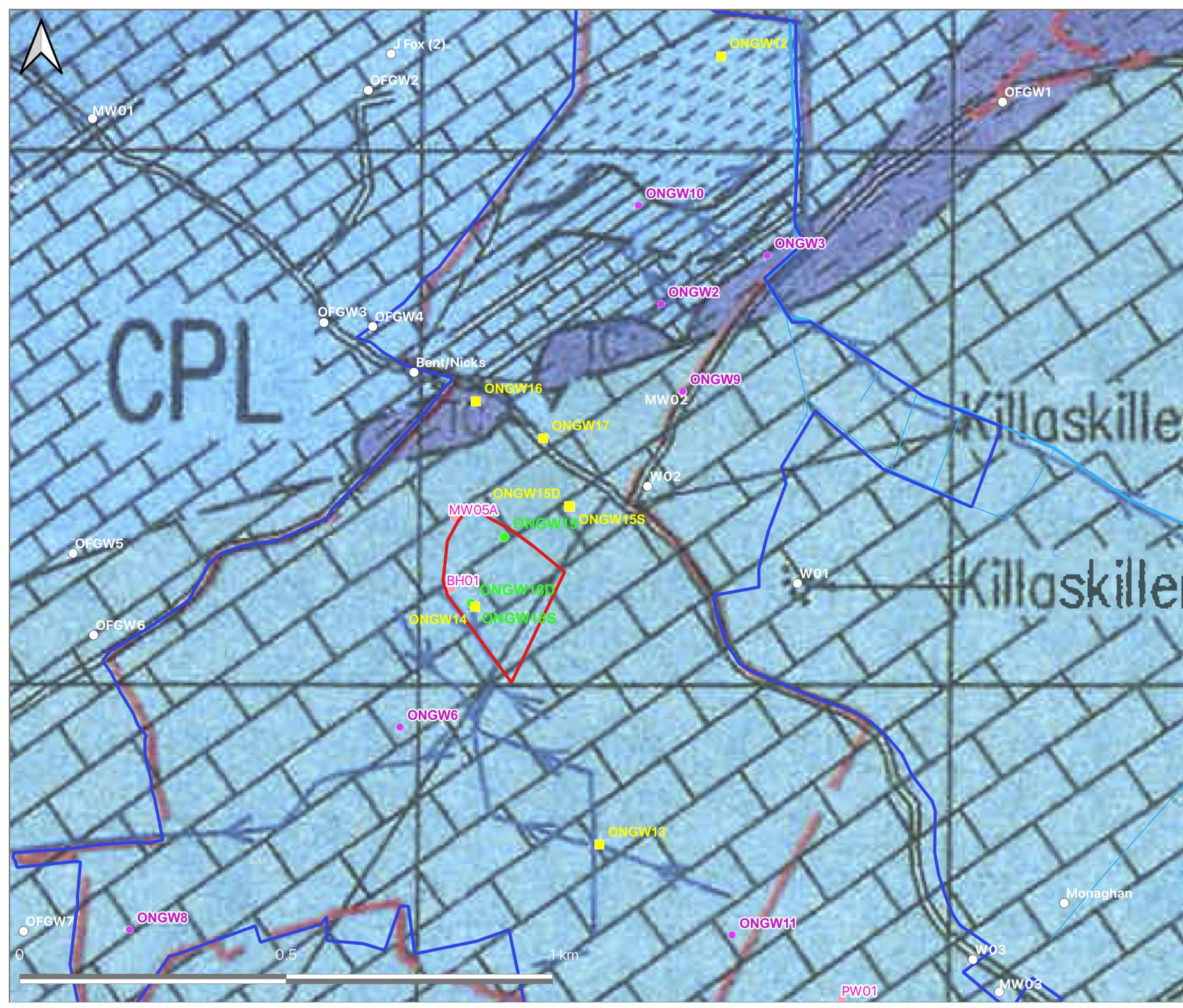


- Legend:
- Ownership Boundary
 - Application Site
 - Monitoring Wells 2021
 - Pumping Test Wells 2022
- GSI Bedrock Units
- Lucan Formation
 - Tober Colleen Formation
 - Waulsortian Limestones

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Fig. 7.8:	2021 Boreholes
Date:	July 2022
Project:	21-P30/1970
Author:	COR
Scale:	1: 9,000
Client:	Breedon Cement Ireland
Project:	EIAR Chapter: Land, Soils & Geology
Location:	Killaskillen, Kinnegad, Co. Meath





- Legend:
- Ownership Boundary
 - Application Boundary
 - 2008 Wells
 - Off Site Monitoring Points
 - Monitoring Wells 2021
 - Pumping Test Wells 2022
 - Drainage Networks
 - EPA River Network
 - Basinal limestones
 - 'Shaley Limestones' (Lucan Formation)
 - Tober Colleen Formation
 - Waulsortian limestone ('Reef')
 - Argillaceous bioclastic limestone

Fig. 7.9: Site-Specific Geology Map

Date: July 2022

Project: 21-P30/1970

Author: COR

Scale: 1: 9,000

Client: Breedon Cement Ireland

Project: EIAR Chapter: Land, Soils & Geology

Location: Killaskillen, Kinnegad, Co. Meath

