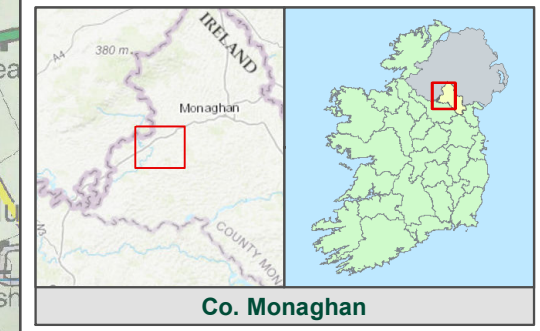
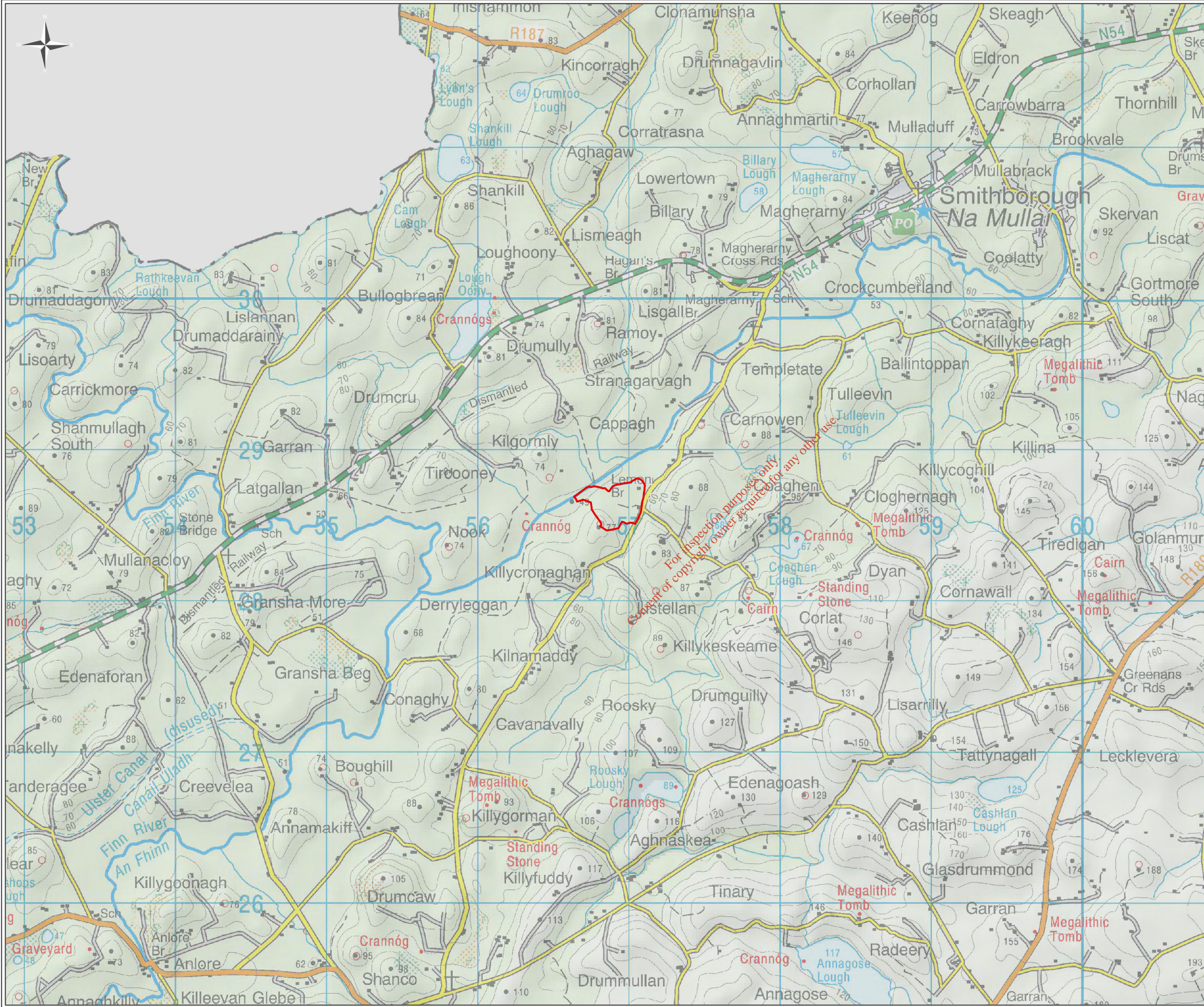


# Appendix I

## GSI Information Mapping

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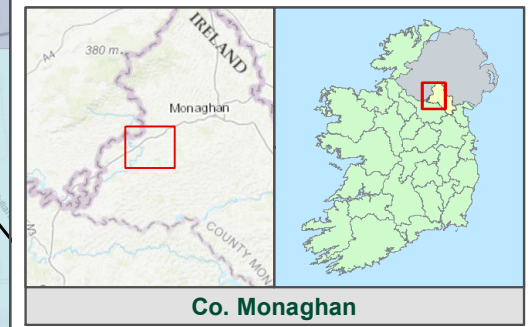
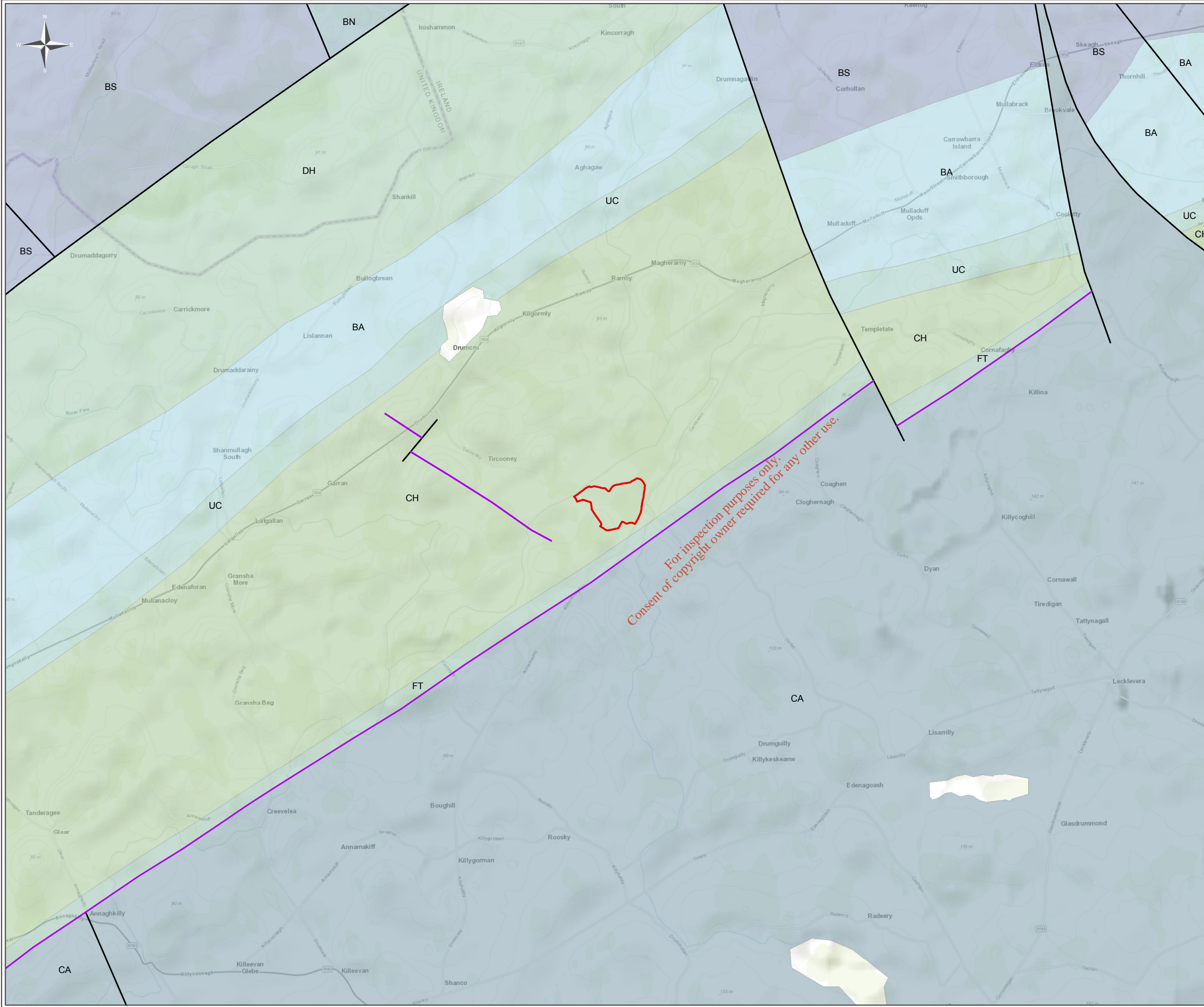
**Legend**

Site Boundary

<b>Figure Title</b>	Site Location Knockcronaghan
<b>Figure No.</b>	2.1
<b>Project</b>	Tier 1 Assessment of Historical Landfills in Monaghan
<b>Client</b>	Monaghan County Council
<b>Scale</b>	1:25,000
<b>Page Size</b>	A3
<b>Revision</b>	A
<b>Date</b>	15/06/2018

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**Legend**

- Site Boundary
- Dip of Bedding in Degrees
- Stratigraphical Linework
- Structural Linework

**Bedrock Geology**

- BA: Ballysteen Formation
- BN: Bundoran Shale Formation
- BS: Ballyshannon Limestone Formation
- CA: Coronea Formation
- CH: Cooldaragh Formation
- DH: Drumgesh Shale Formation
- FT: Fearnaght Formation
- UC: Ulster Canal Formation

**Figure Title**  
Bedrock Geology  
Knockcronaghan

**Figure No.** 2.2

**Project**  
Tier 1 Assessment of Historical  
Landfills in Monaghan

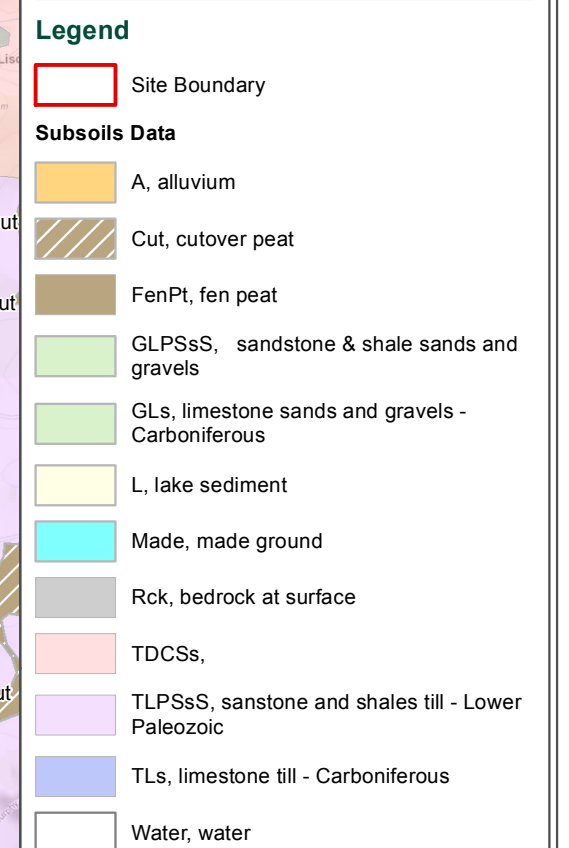
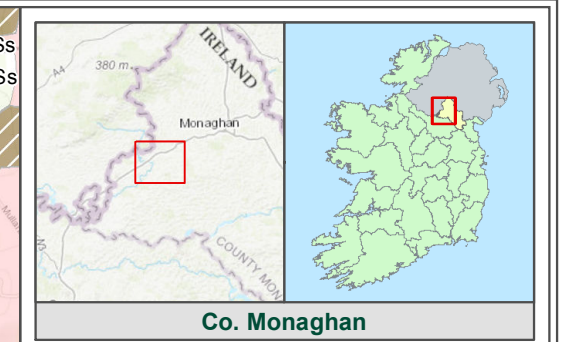
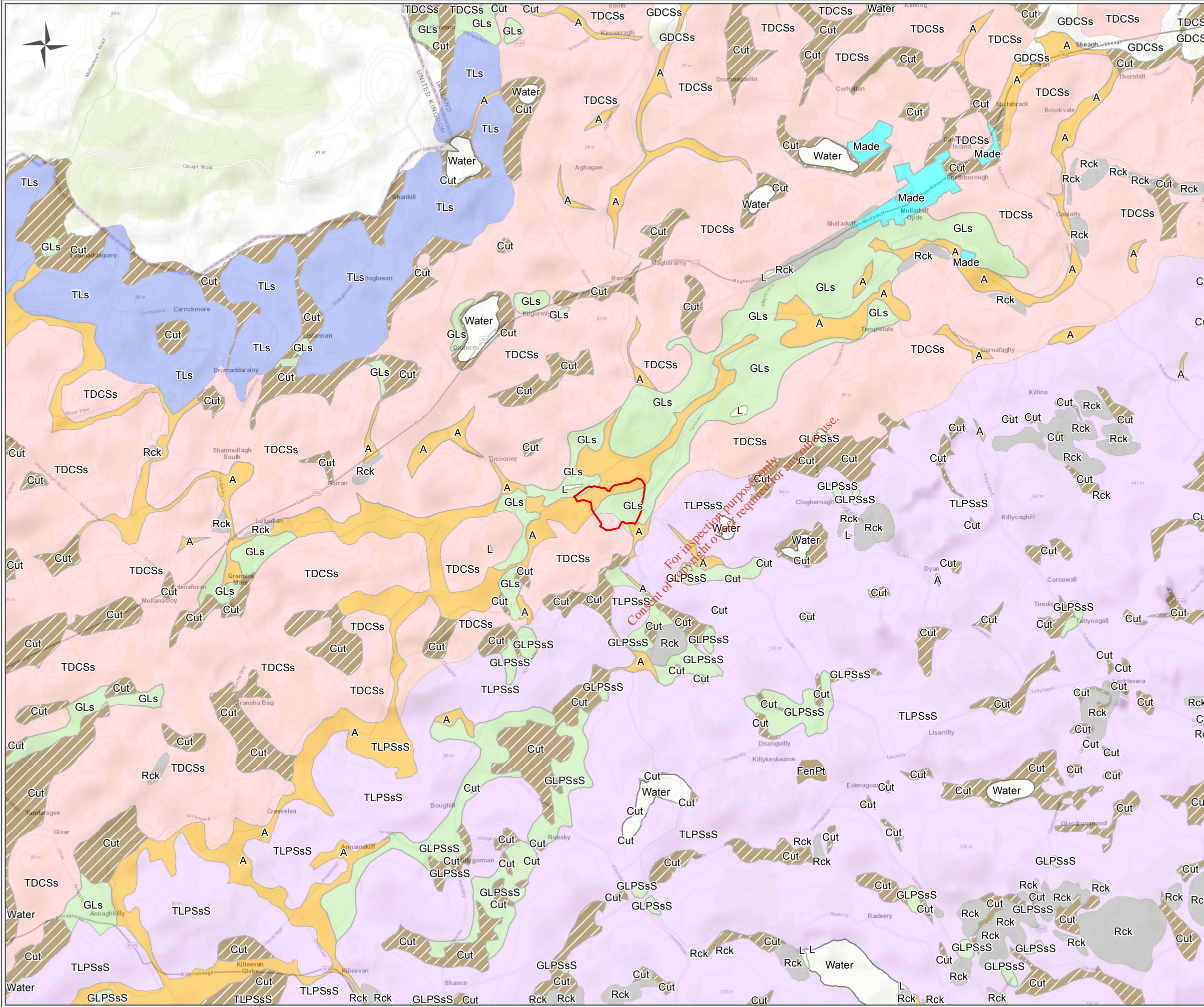
**Client**  
Monaghan County Council

**Scale** 1:25,000 **Page Size** A3

**Revision** A **Date** 15/06/2018

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**Figure Title**  
Quaternary Geology  
Knockcronaghan

**Figure No.** 2.3

**Project**  
Tier 1 Assessment of Historical  
Landfills in Monaghan

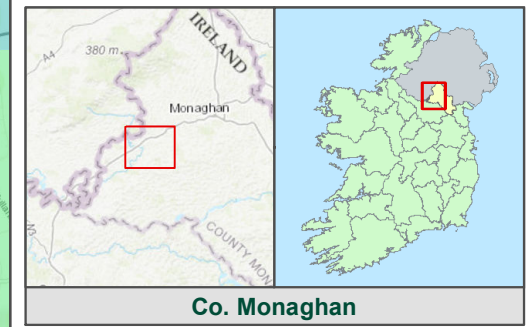
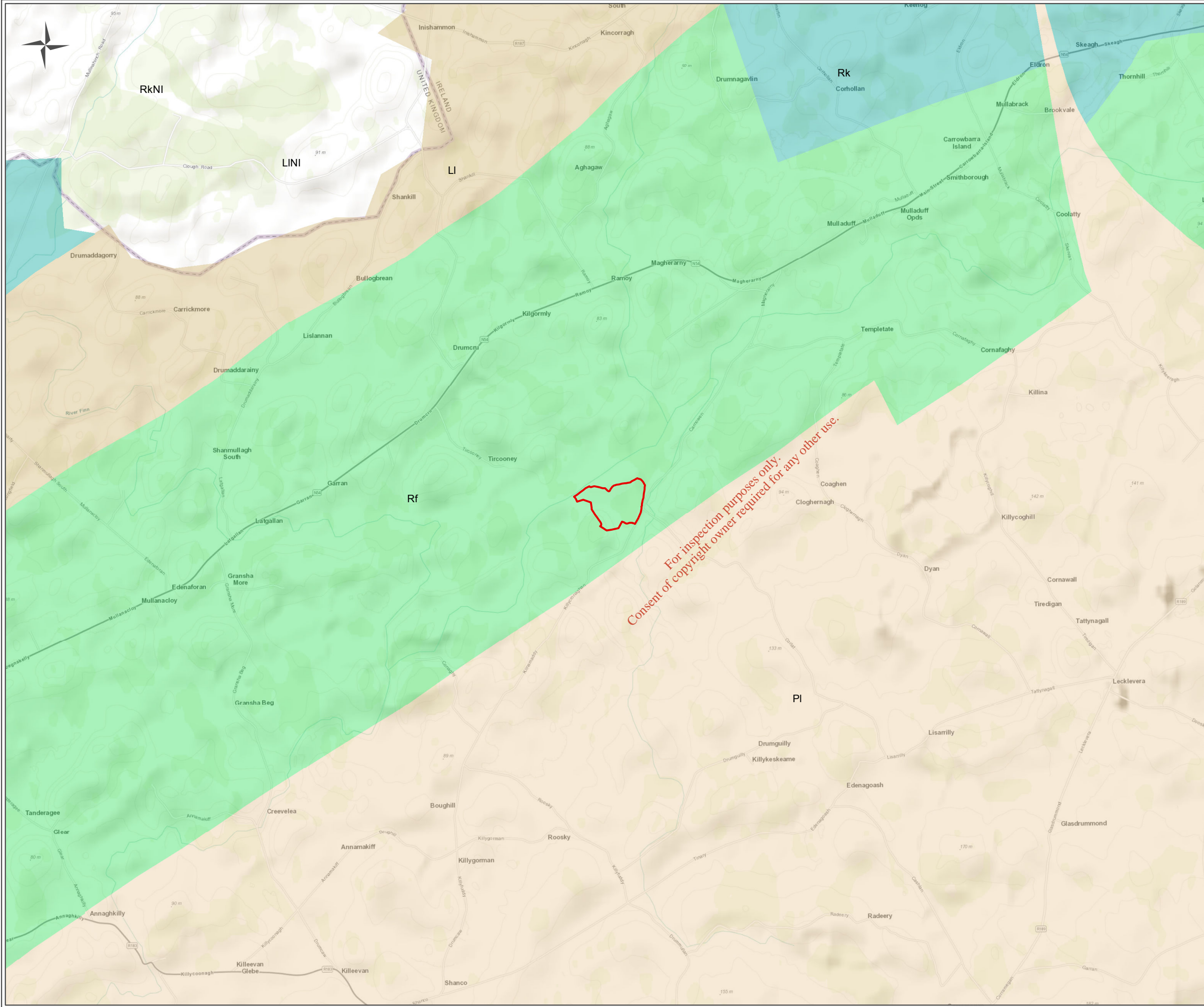
**Client**  
Monaghan County Council

**Scale** 1:25,000 **Page Size** A3

**Revision** A **Date** 15/06/2018

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**Legend**

- Site Boundary
- LI: Locally Important Aquifer - Bedrock Mod Productive Locally
- PI: Poor Aquifer Bedrock Generally Unproductive Except Locally
- Rf: Regionally Important Aquifer - Fissured Bedrock
- Rk: Regionally Important Aquifer - Karstified

**Figure Title**  
Aquifer Classification  
Knockcronaghan

**Figure No.** 2.4

**Project**  
Tier 1 Assessment of Historical  
Landfills in Monaghan

**Client**  
Monaghan County Council

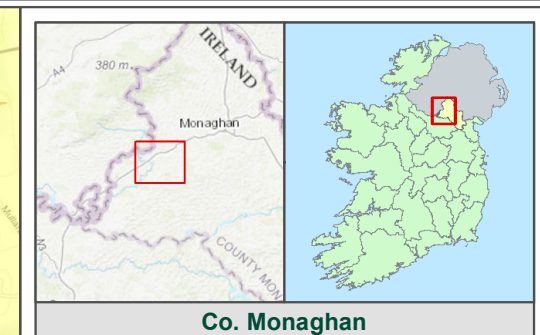
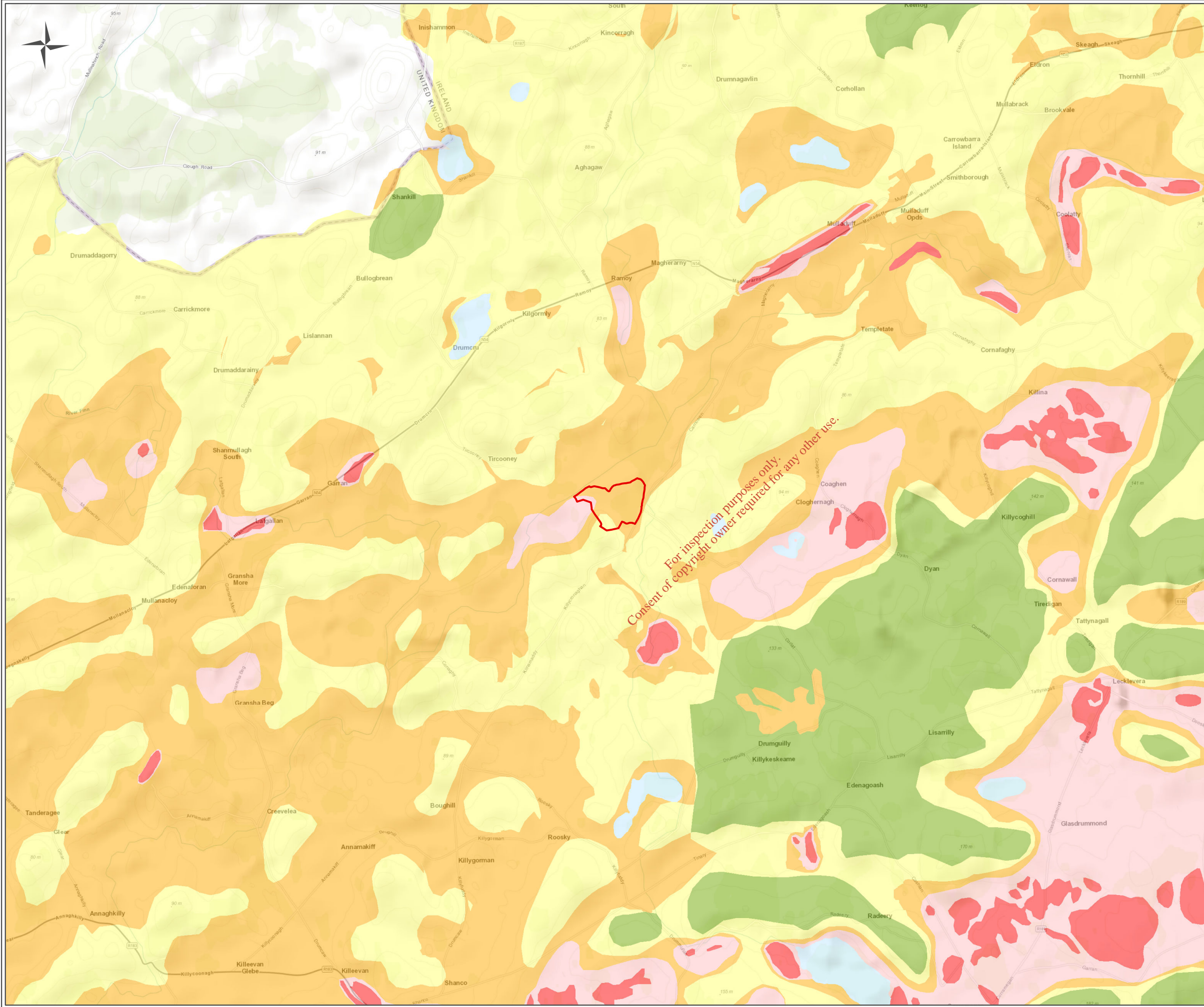
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**Revision** A **Date** 15/06/2018

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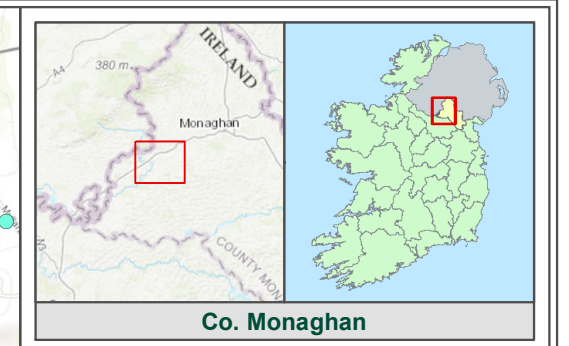
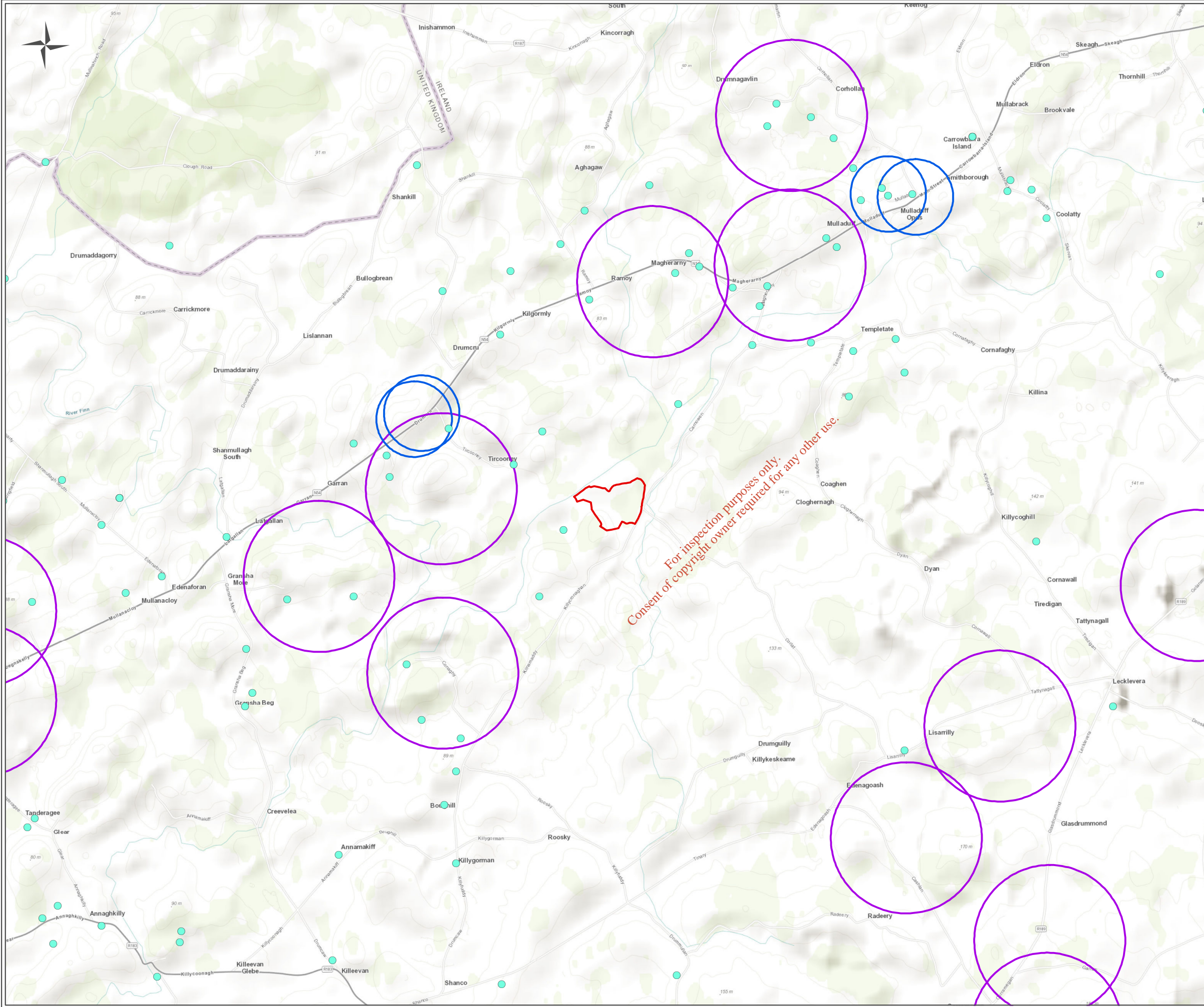
**Legend**

- Site Boundary
- Groundwater Vulnerability**
- E - Extreme
- H - High
- M - Moderate
- L - Low
- Water
- X (Rock Near Surface or Karst)

<b>Figure Title</b>	Groundwater Vulnerability Knockcronaghan
<b>Figure No.</b>	2.5
<b>Project</b>	Tier 1 Assessment of Historical Landfills in Monaghan
<b>Client</b>	Monaghan County Council
<b>Scale</b>	1:25,000
<b>Page Size</b>	A3
<b>Revision</b>	A
<b>Date</b>	15/06/2018

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**Co. Monaghan**

**Legend**

- Site Boundary
- Groundwater Well (10-50m Accuracy)
- Groundwater Well (200-500m Accuracy)
- Groundwater Well (500m-1km Accuracy)

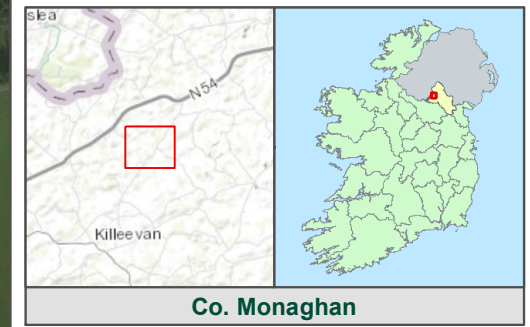
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<b>Figure Title</b>	Wells and Springs Knockcronaghan
<b>Figure No.</b>	2.6
<b>Project</b>	Tier 1 Assessment of Historical Landfills in Monaghan
<b>Client</b>	Monaghan County Council
<b>Scale</b>	1:25,000
<b>Page Size</b>	A3
<b>Revision</b>	A
<b>Date</b>	15/06/2018

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**Legend**

 Site Boundary

**Figure Title**  
Existing Site Layout  
Knockcronaghan

**Figure No.** 2.7

**Project**  
Tier 1 Assessment of Historical  
Landfills in Monaghan

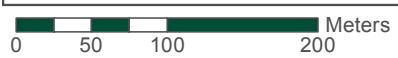
**Client**  
Monaghan County Council

**Scale** 1:5,000 **Page Size** A3

**Revision** A **Date** 15/06/2018

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# Appendix II

## Site Walkover Checklist

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## Killicronaghan Walkover Survey Checklist – 12<sup>th</sup> June 2018

Information	Checked	Comment (include distances from site boundary)
1. What is the current land use?	√	The site is vegetated with trees and grassland and can be classified currently under agricultural use.
2. What are the neighbouring land uses?	√	Agricultural fields surround the site with farm buildings present to the northeast of the site.
3. What is the size of the site?	√	The site occupies approximately 9 hectares.
4. What is the topography?	√	The topography can be split into two profiles. There is a rising hill on the southern section of the site with the remainder consisting of flat, slightly undulating land.
5. Are there potential receptors (if yes, give details)?	√	Yes
Houses	√	No
Surface water features (if yes, distance and direction of flow)	√	The Kilgormly river bounds the site to the southeast, east and north. The Ulster canal bounds the site to the northwest. Surface water ditches bound southern sections of the site.
Any wetland or protected areas	√	No
Public water supplies	√	No
Private wells	√	No
Services	√	No
Other buildings	√	Farm buildings present near site entrance
Other	√	No
6. Are there any potential sources of contamination (if yes, give details)?	√	Yes, waste from former landfill
Surface waste (if yes, what type?)	√	No
Surface ponding of leachate	√	No
Leachate seepage	√	Some evidence of leachate seepage in one area of field
Landfill gas odours	√	No
7. Are there any outfalls to surface water? (If yes, are there discharges and what is the nature of discharge?)	√	No

Information	Checked	Comment (include distances from site boundary)
8. Are there any signs of impact on the environment? (If yes, take photographic evidence)	√	Yes
Vegetation die off, bare ground	√	No
Leachate seepages	√	Some evidence of leachate seepage in one area of field
Odours	√	No
Litter	√	No
Gas bubbling through water	√	No
Signs of settlement	√	No
Subsidence, water logged areas	√	No
Drainage or hydraulic issues	√	Blocked surface water ditch to the southeast of the site from roadworks - stagnant water in ditch
Downstream water quality appears poorer than upstream water quality	√	No clear evidence
9. Are there any indications of remedial measures? (Provide details)	√	No, 6 inches of soil cover placed over waste body upon closure
Capping	√	No
Landfill gas collection	√	No, 2 disused methane wells present onsite
Leachate collection	√	No
10. Describe fences and security features (if any)	√	Electric fence and barb wire around most of site, Hedgerows and walls also present in places
Any other relevant information?	√	Old ulster canal previously ran through this site with the derelict Lemmon's Bridge over the former canal present onsite.

# Appendix III

## Photos from Recent Site Walkovers

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# PHOTOGRAPHIC LOG

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Client Name:  
Monaghan County  
Council

Site Location: Killycronaghan

Project Number: 1655

Photo No.

Date:

1

12/06/2018

Description:

Farm building near  
site entrance



Photo No.

Date:

2

12/06/2018

Description:

Farm building near  
site entrance



# PHOTOGRAPHIC LOG

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Client Name:

Site Location:

Project Number:

Photo No.

Date:

3

12/06/2018

Description:

Kilgormly river at  
eastern site  
boundary



Photo No.

Date:

4

12/06/2018

Description:

Old concrete bridge over  
Kilgormly river along  
eastern site boundary



# PHOTOGRAPHIC LOG

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Client Name:

Site Location:

Project Number:

Photo No.

Date:

5

12/06/2018

Description:

Derelict Lemmon's  
Bridge over old canal  
towards northern  
end of the site



Photo No.

Date:

6

12/06/2018

Description:

Kilgormly river along  
northern site boundary



# PHOTOGRAPHIC LOG

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Client Name:

Site Location:

Project Number:

Photo No.

Date:

7

12/06/2018

Description:

Confluence of  
Kilgormly river and  
Ulster canal



Photo No.

Date:

8

12/06/2018

Description:

View of western section of  
site.





# PHOTOGRAPHIC LOG

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Client Name:

Site Location:

Project Number:

Photo No.

Date:

9

12/06/2018

Description:

Surface water ditch  
along southwestern  
site boundary



Photo No.

Date:

10

12/06/2018

Description:

View northwards from top  
of hill at southern section  
of site



# PHOTOGRAPHIC LOG

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and Environmental Sciences

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Client Name:

Site Location:

Project Number:

Photo No.

Date:

11

12/06/2018

Description:

View of southern and eastern sections of site



Photo No.

Date:

12

12/06/2018

Description:

Surface water ditch to southeast of site



# PHOTOGRAPHIC LOG

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and Environmental Sciences

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Client Name:

Site Location:

Project Number:

Photo No.

Date:

13

12/06/2018

Description:

Old methane well  
toward northern  
section of the site



Photo No.

Date:

14

12/06/2018

Description:

Second old methane well  
towards the western  
section of the site



# PHOTOGRAPHIC LOG

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and Environmental Sciences

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Client Name:

Site Location:

Project Number:

Photo No.

Date:

15

12/06/2018

Description:

Section of water  
logged area near the  
centre of the site



Photo No.

Date:

16

12/06/2018

Description:

Evidence of leachate  
seepage at waterlogged  
section



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