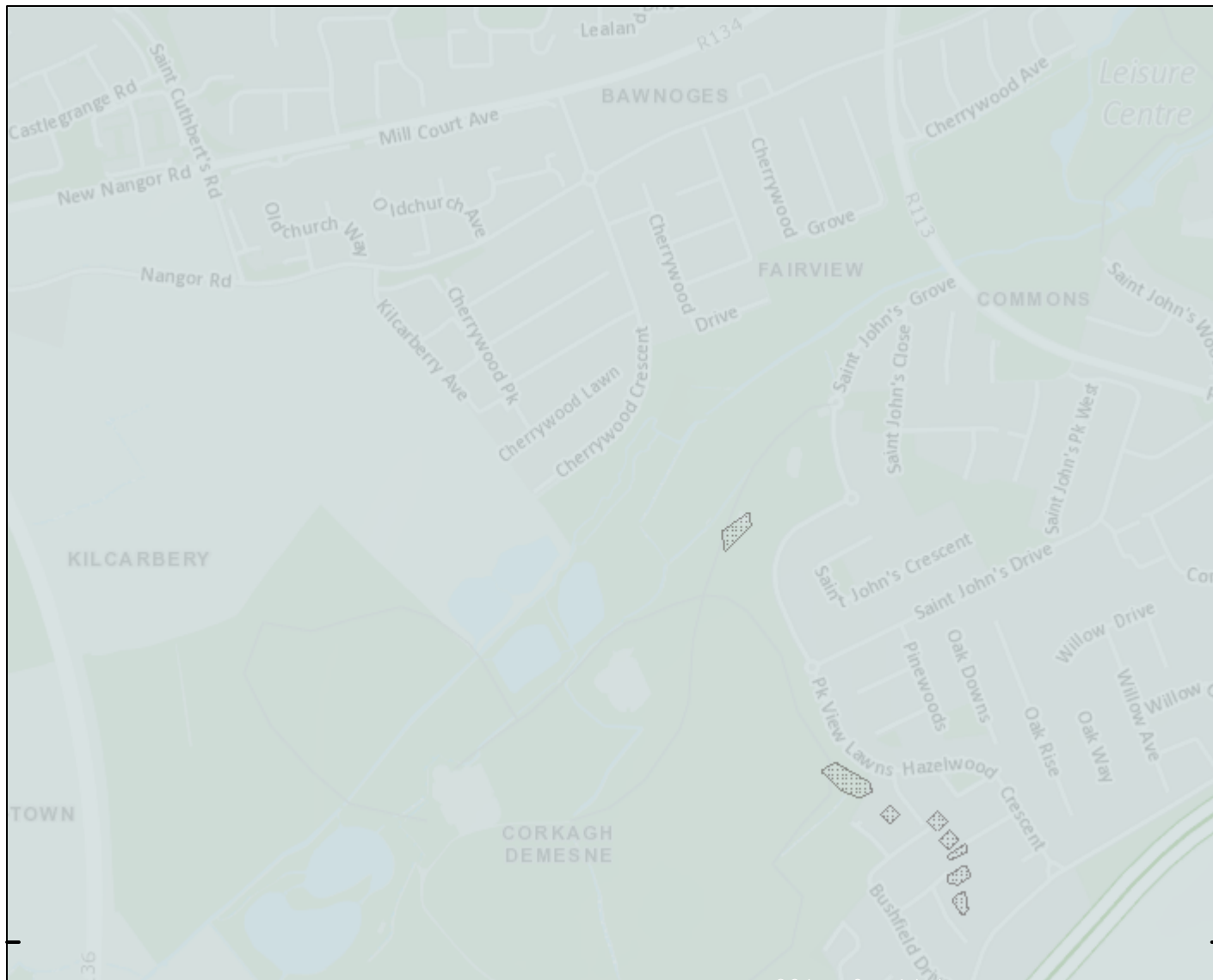


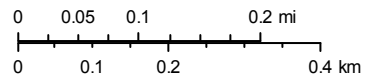
## Appendix 7.1 Soil Data



Scale: 1:10,000  
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## Legend

### Structural Symbols 100K ITM 2018

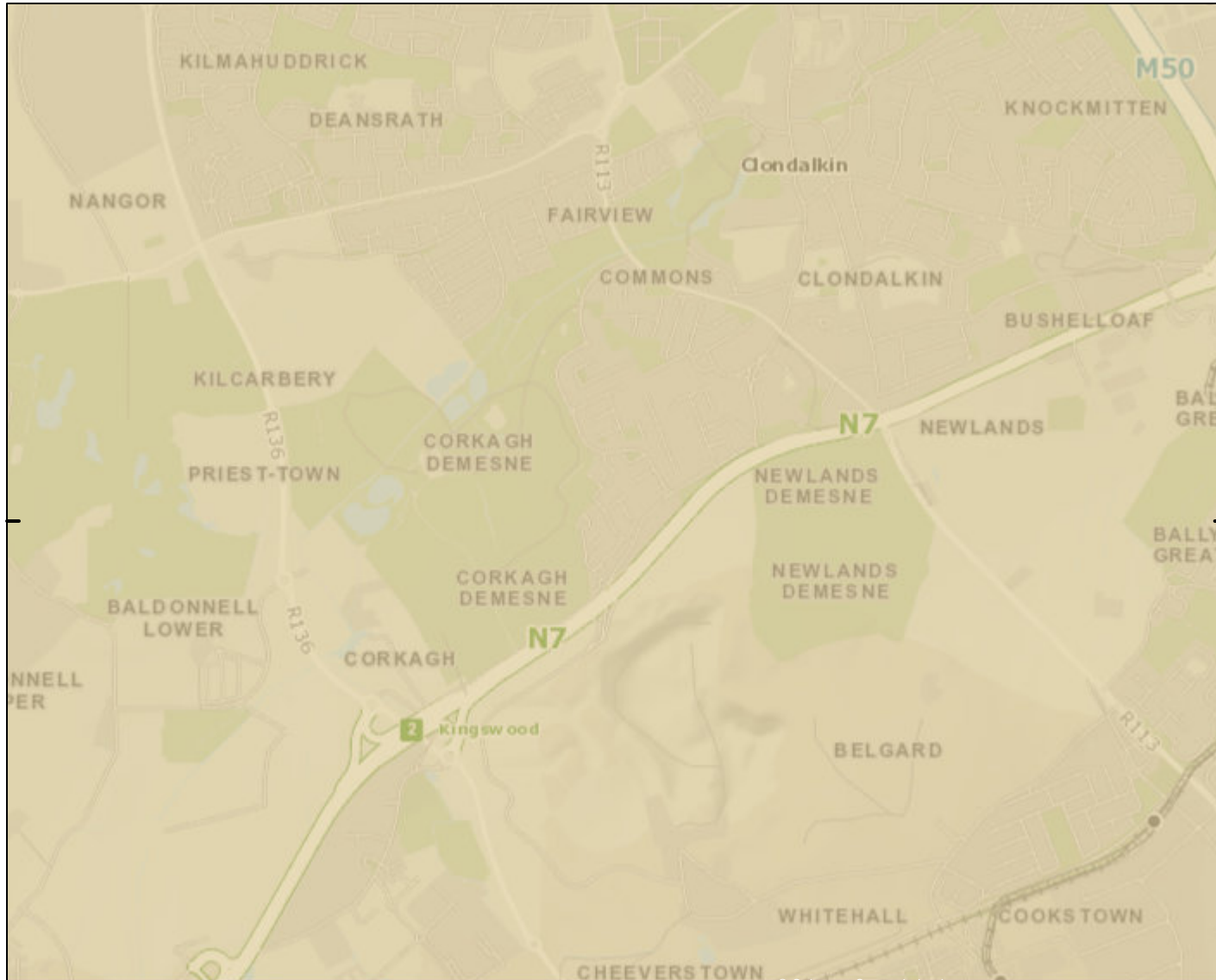
- <all other values>
- Dip of bedding or main foliation, old GSI data
- First foliation parallel to bedding
- Foliation trend, Thorr and Rosses Granites
- Horizontal Bedding
- Strike and dip of bedding, right way up
- Strike and dip of bedding, way up
- unknown
- Strike and dip of first foliation
- Strike and dip of overturned bedding
- Strike and dip of second foliation
- Strike and dip of third foliation
- Strike and plunge of first generation fold axis
- Strike and plunge of second generation fold axis
- Strike and plunge of third generation fold axis
- Strike of vertical bedding/foliation
- Strike of vertical first foliation

Bedrock Outcrops  
100 ITM 2018



### Bedrock Linework 100k ITM 2018

- Anticlinal Axis
- Antiformal axis
- Aquifer Boundary
- Area
- Coal seam
- Dyke
- Fault



- Ghost Line
- Goniatite marine band (R1-R4)
- Lithological boundary offshore
- Metadolerite sheet, mainly sills
- Paleogene/ Tertiary Dyke
- Synclinal Axis
- Synformal axis
- Tectonic Slide, barbs on hanging-wall
- Thin stratigraphical unit, diagrammatic
- Thrust, barbs on hanging-wall side
- Tuff band
- Unconformity, dots on younger side
- X-Section













## Legend

-  Bedrock Aquifer
-  Faults

### Gravel Aquifer

-  Locally Important Gravel Aquifer
-  Regionally Important Gravel Aquifer

### Bedrock Aquifer

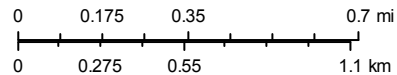
-  Rkc - Regionally Important Aquifer - Karstified (conduit)
-  Rkd - Regionally Important Aquifer - Karstified (diffuse)
-  RK - Regionally Important Aquifer - Karstified
-  Rf - Regionally Important Aquifer - Fissured bedrock
-  Lm - Locally Important Aquifer - Bedrock which is Generally Moderately Productive
-  Lk - Locally Important Aquifer - Karstified
-  LI - Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones
-  PI - Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones
-  Pu - Poor Aquifer - Bedrock which is Generally Unproductive
-  Lake

Scale: 1:25,000

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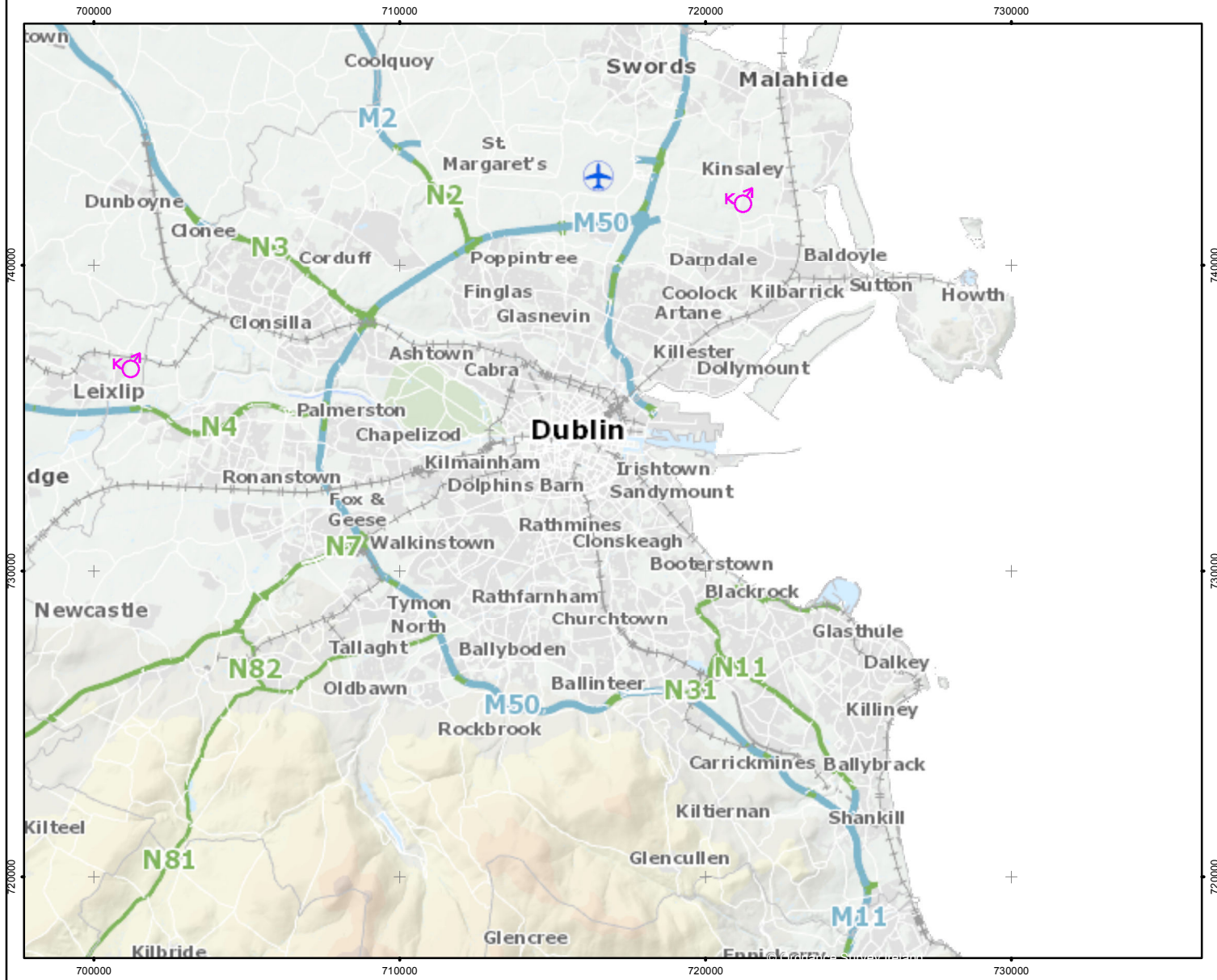
# Groundwater Data

## Legend

Karst Landforms

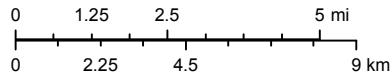
FTYPE

Spring



Scale: 1:200,000

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Fig. 3



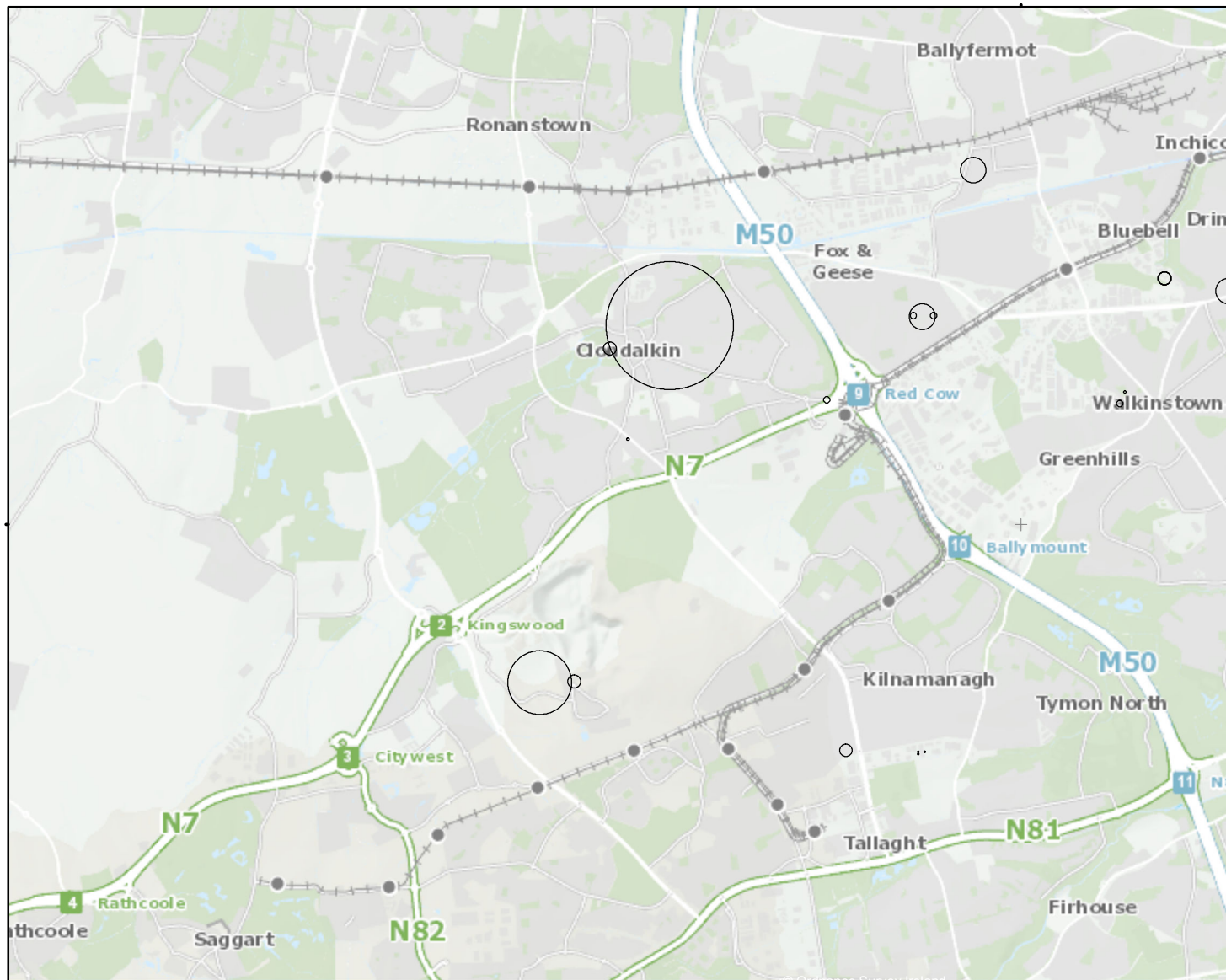


# Groundwater Data

## Legend

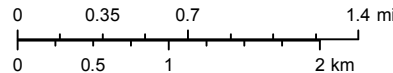
### Groundwater Wells and Springs

○ Groundwater Wells and Springs



Scale: 1:50,000

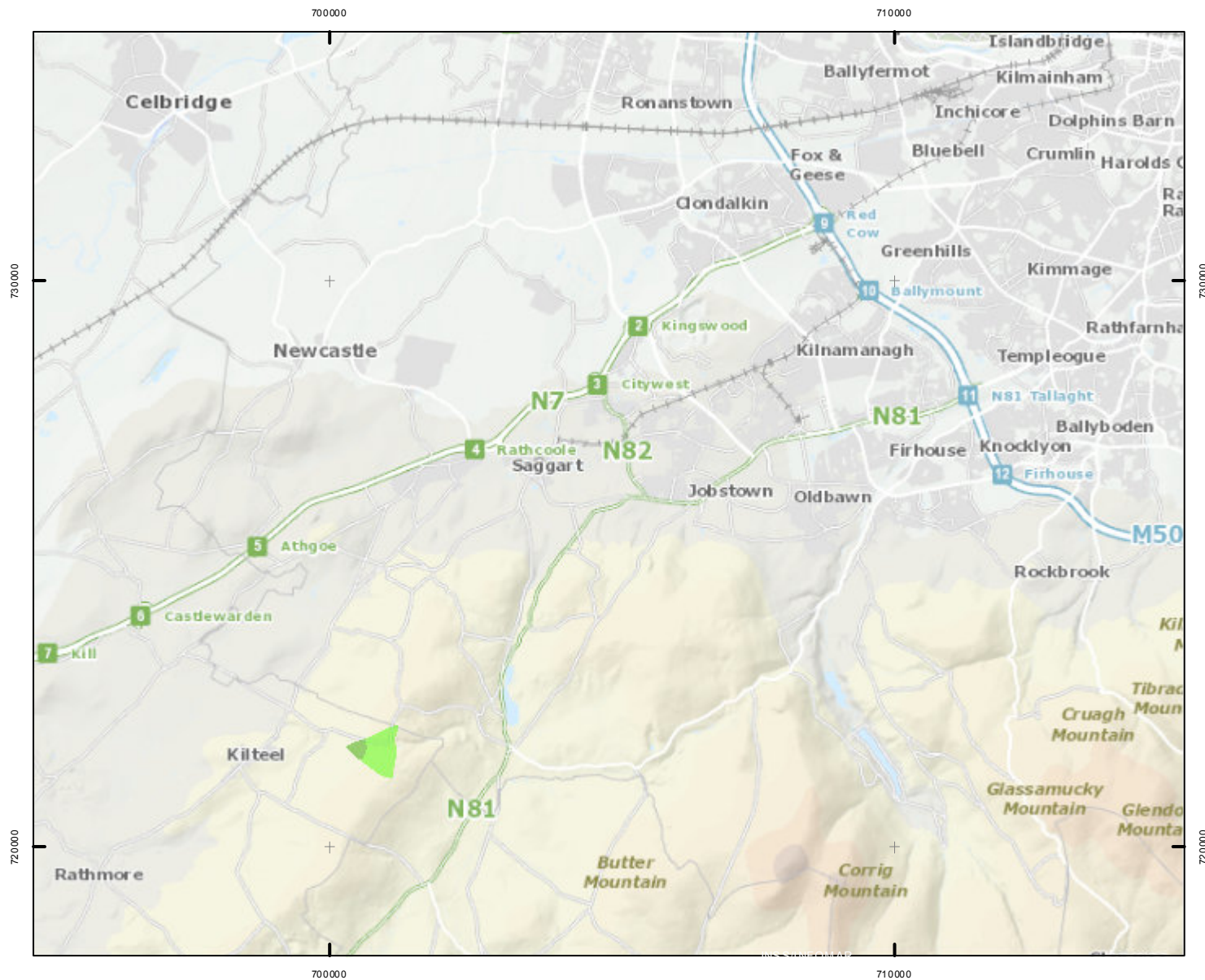
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Map Centre Coordinates (ITM) 706,874 730,235  
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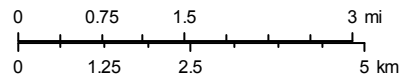
- Legend**  
**Public Supply Source Protection Areas**
- SI-Inner Protection Area
  - SO-Outer Protection Area



Scale: 1:108,617  
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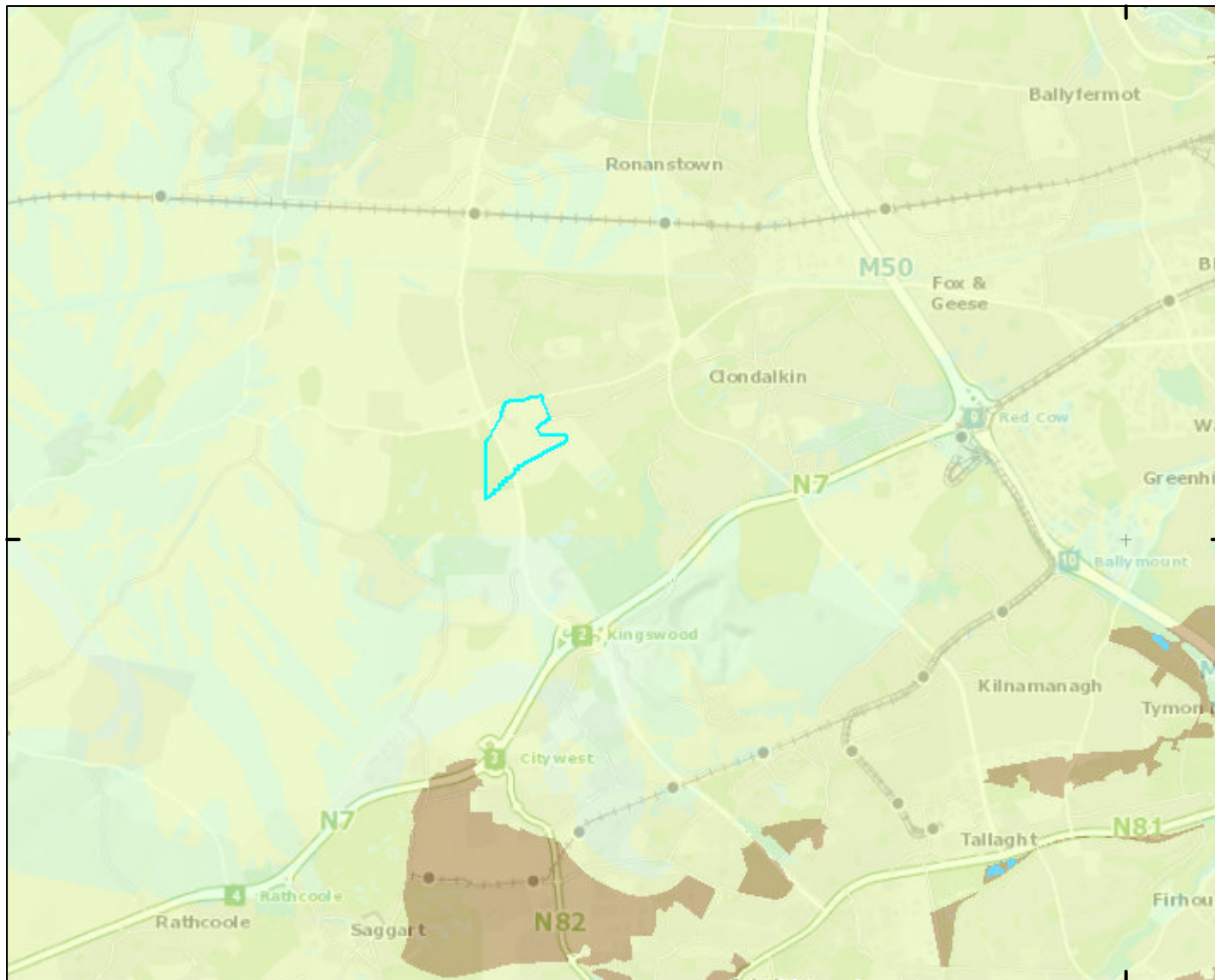
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Fig. 5

## Legend

### Groundwater Recharge (mm/yr)

- 0 mm
- 1-50 mm
- 51-100 mm
- 101-150 mm
- 151-200 mm
- 201-250 mm
- 251-300 mm
- 301-350 mm
- 351-400 mm
- 401-450 mm
- 451-500 mm
- 501-550 mm
- 551-600 mm
- 601-700 mm
- 701-800 mm
- 801-900 mm
- 901-1000 mm
- 1001-1400 mm
- 1401-2000 mm
- Water

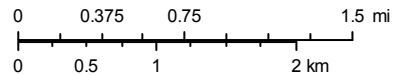


Scale: 1:54,308

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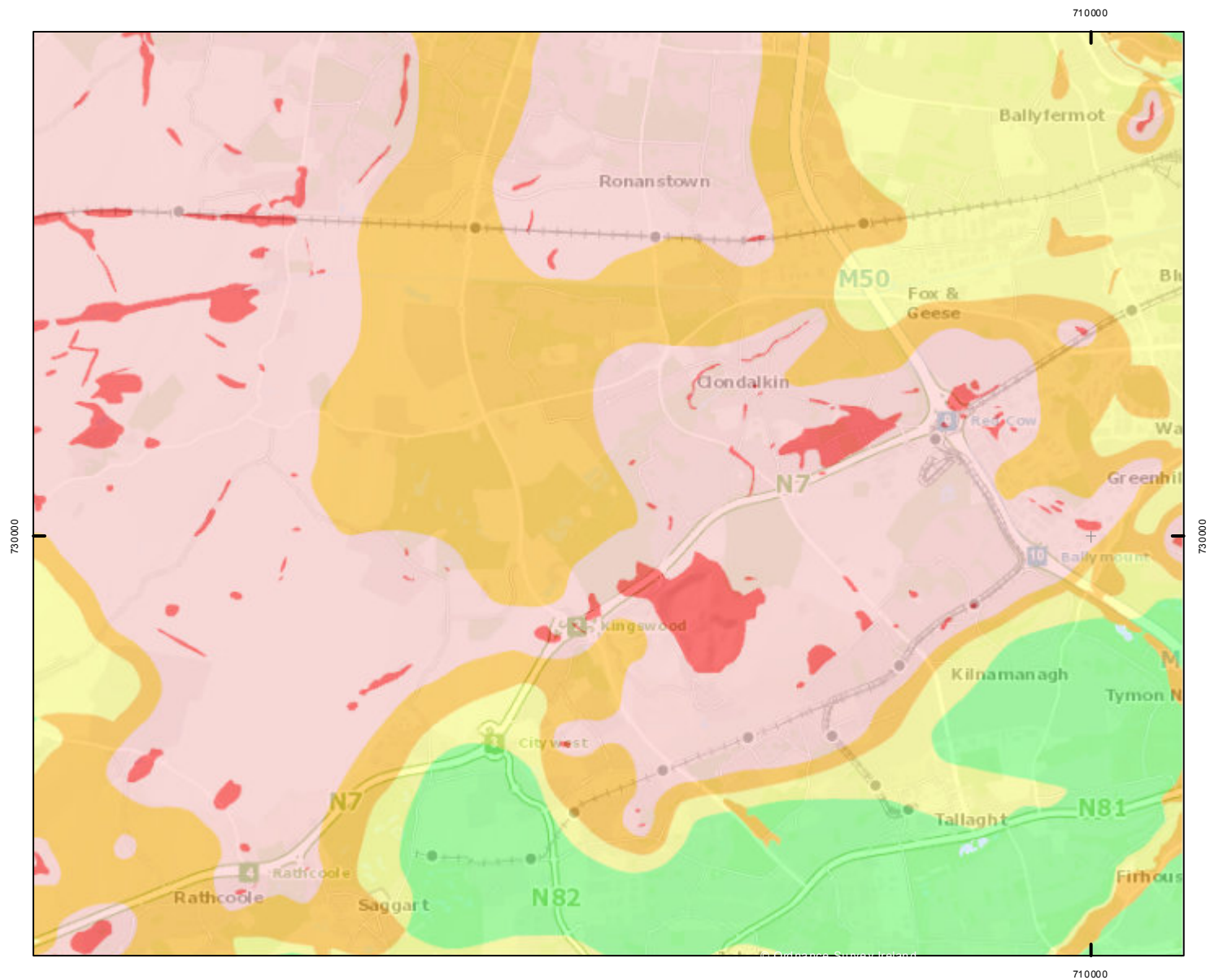
Fig. 6



## Legend

### Groundwater Vulnerability

- X - Rock at or near surface or Karst
- E - Extreme
- H - High
- M - Moderate
- L - Low
- W - Water

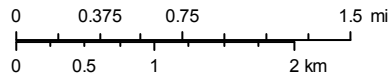


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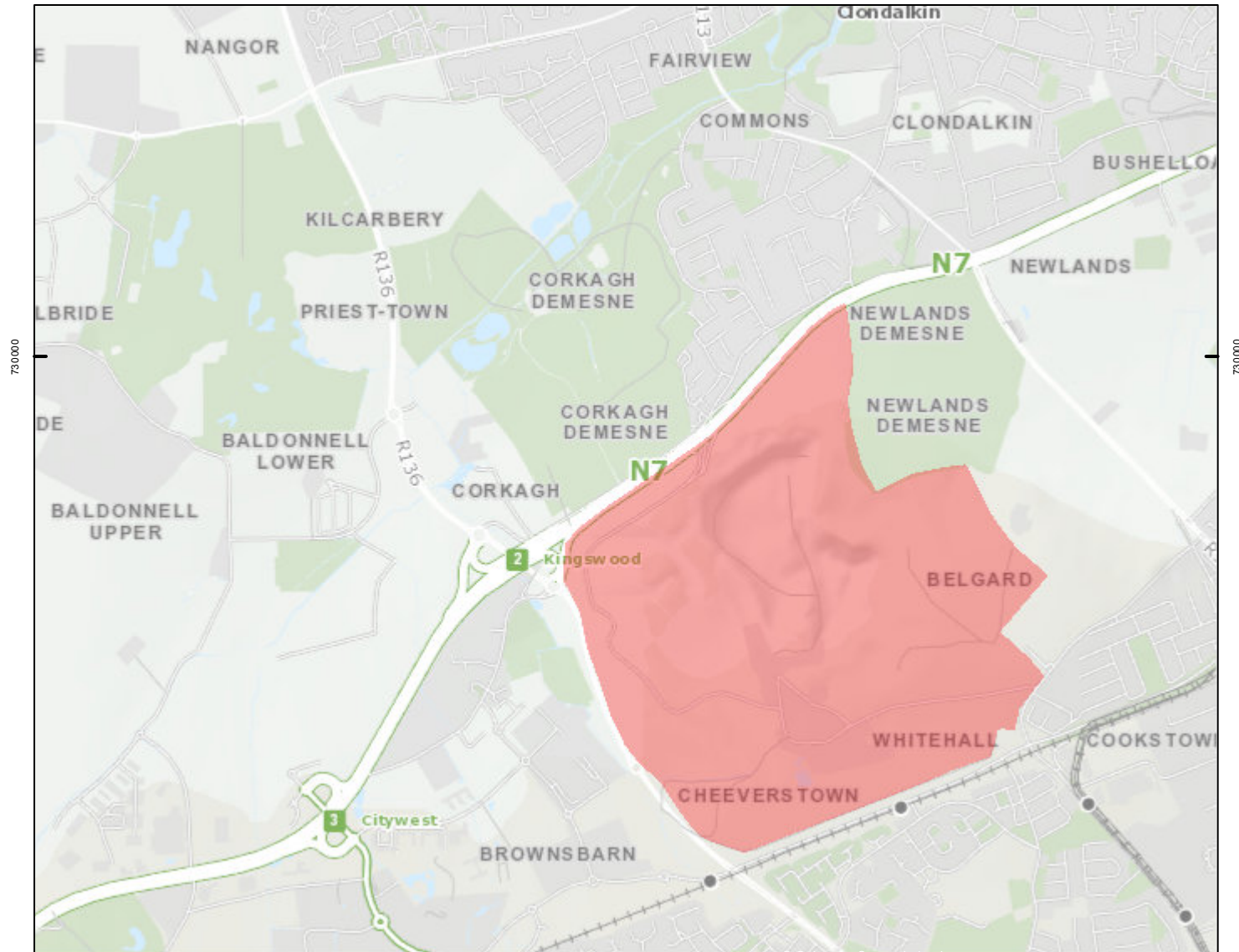
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Fig. 7



## Legend

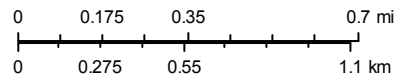
- Heritage Site Audited Boundaries
- Heritage Sites Unaudited Boundaries



Scale: 1:25,000  
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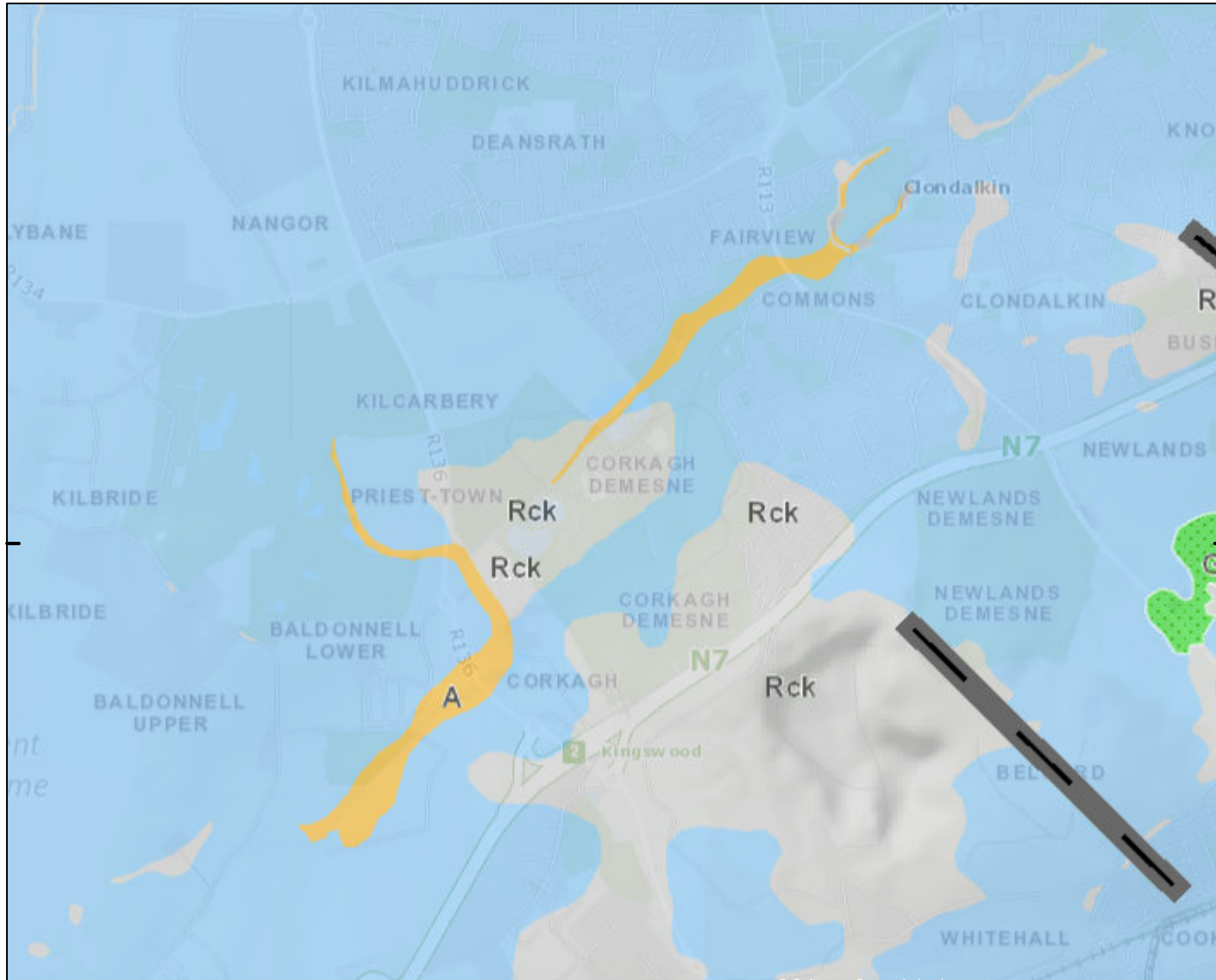
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Legend

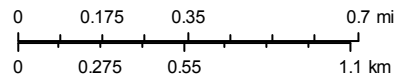
- † Subglacial Striae
- Subglacial Lineations**
  - Crag-and-Tail
  - Drumlin
  - Mega scale glacial lineation
  - Streamlined Bedrock
- Subglacial Moraines**
  - Composite Thrust
  - Block Moraine
  - Minor Ribbed Moraine
  - Moraine
  - Non-oriented Bedform
  - Ribbed Moraine
  - Submarine Ribbed Moraine
- Meltwater Landforms**
  - Esker ridge
  - Meltwater channel
- Deglacial Landforms**
  - Delta
  - Fan
  - Glaciofluvial Terrace
  - Hummocky Moraine
  - Hummocky Sand and Gravel
  - Kame Terrace
  - Moraine Ridge
- Mountain Glaciation Corries**
  - Corries
- Mountain Glaciation Trimlines**
  - Trimlines

Scale: 1:25,000

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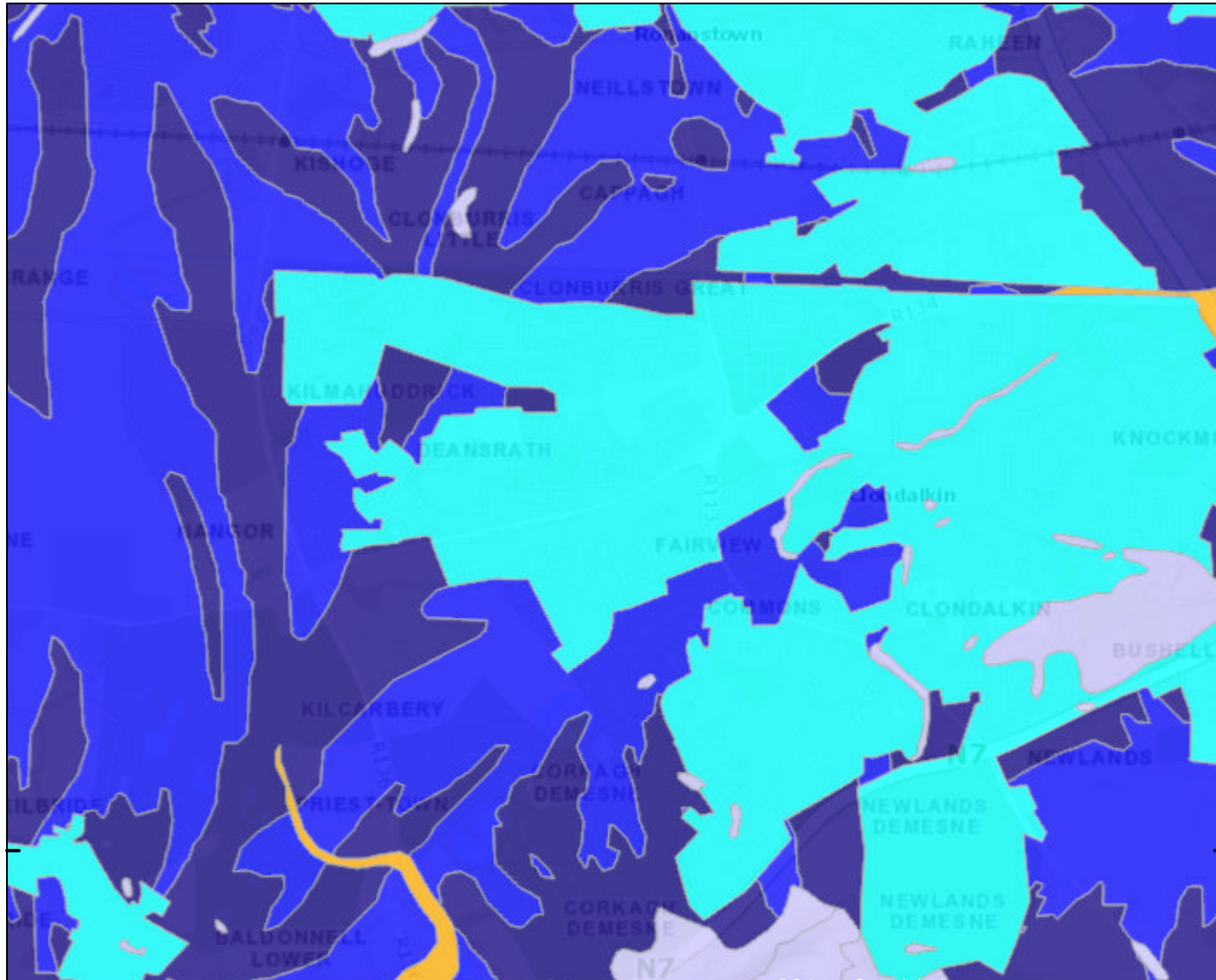
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## Legend

### Teagasc Soils

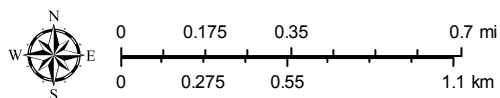
- AminDW - Deep well drained mineral (Mainly acidic)
- AminPD - Mineral poorly drained (Mainly acidic)
- AminPDPT - Peaty poorly drained mineral (Mainly acidic)
- AminSW - Shallow well drained mineral (Mainly acidic)
- AminSP - Shallow poorly drained mineral (Mainly acidic)
- AminSPPT - Shallow peaty poorly drained mineral (Mainly acidic)
- AminSRPT - Shallow, rocky, peaty/non-peatymi... complexes (Mainly acidic)
- BminDW - Deep well drained mineral (Mainly basic)
- BminPD - Mineral poorly drained (Mainly basic)
- BminPDPT - Peaty poorly drained mineral (Mainly basic)
- BminSW - Shallow well drained mineral (Mainly basic)
- BminSP - Shallow poorly drained mineral (Mainly basic)
- BminSPPT - Shallow peaty poorly drained mineral (Mainly basic)
- BminSRPT - Shallow, rocky, peaty/non-peatymi... complexes (Mainly basic)
- BktPt - Blanket peat
- FenPt - Fen peat
- RsPt - Raised Peat
- Cut - Cutover/cutaway peat
- AlluvMIN - Alluvial (mineral)
- AlluvMRL - Alluvial (marl)
- Lac - Lacustrine type soils
- Scree - Scree
- AeOUND - Aeolian undifferentiated
- MarSands - Marine sand and gravel
- MarSed - Marine/estuarine sediments
- Made - Made ground
- Water - Water
- Unclass

Scale: 1:25,000

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