

**Figure 9.8c - Bedrock Aquifer TDR**

**Legend**

**Project related data**

**Site Layout**

**Grid Connection**

GCR

IPP Alternate

IPP

**Turbine Delivery Route**

TDR Route

**Site Layout**

Red Line Boundary

Blue Line Boundary

**Constraints**

**Hydrogeology**

**Groundwater**

IE\_GSI\_Bedrock\_Aquifers\_100K\_IE32\_ITM

Rf - Regionally Important Aquifer - Fissured bedrock

Rkc - Regionally Important Aquifer - Karstified (conduit)

Rkd - Regionally Important Aquifer - Karstified (diffuse)

Lk - Locally Important Aquifer - Karstified

LI - Locally Important Aquifer - Bedrock which is

Moderately Productive only in Local Zones

Lm - Locally Important Aquifer - Bedrock which is

Generally Moderately Productive

PI - Poor Aquifer - Bedrock which is Generally Unproductive

except for Local Zones

Pu - Poor Aquifer - Bedrock which is Generally Unproductive

Lake

Unclassified

**Topography**

**Contours**

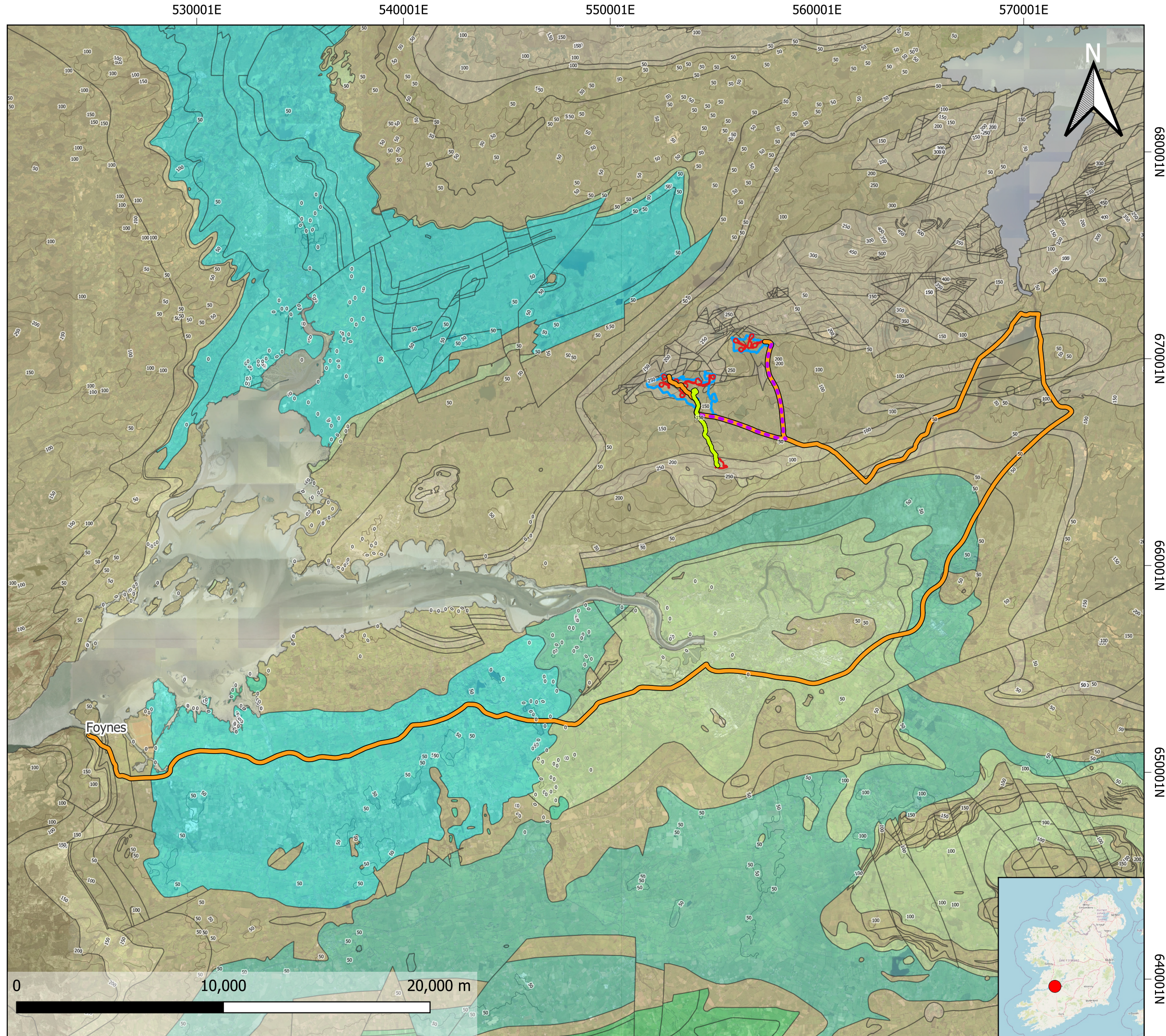
50m Elevation Countours

**Base Layers**

ITM\_National\_High\_Resolution\_Imagery

<b>Project ID</b>	604569
<b>Project Name</b>	Oatfield Wind Farm, Co. Clare
<b>Projection</b>	ITM
<b>Drawn by</b>	DW
<b>Revised by</b>	SK
<b>Version</b>	18/12/2023

References/Sources:  
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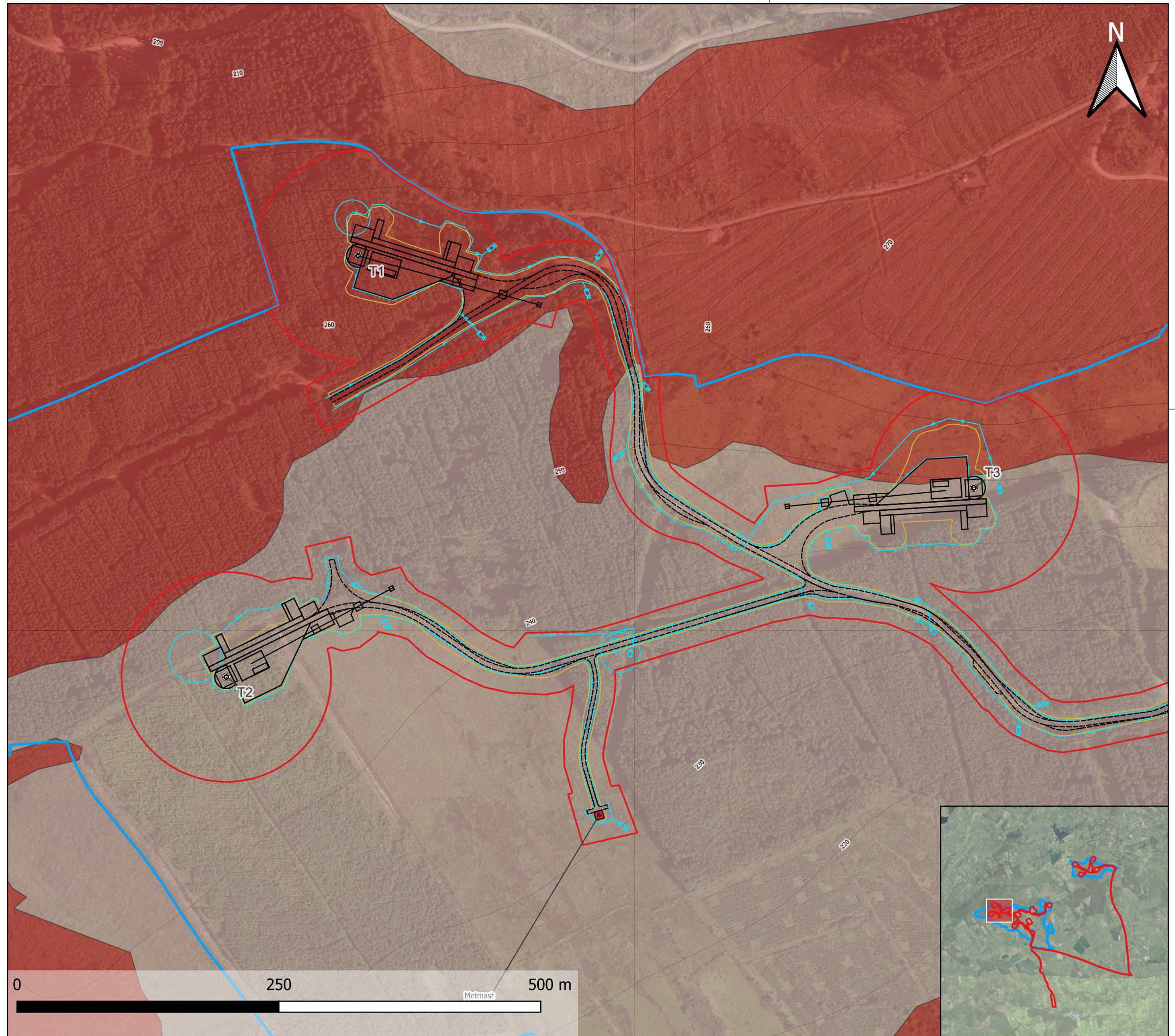
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**Figure 9.9a - Groundwater Vulnerability  
Wind Farm - Tile 01 WDA**

- Legend
- Project related data
- Site Layout
- Site Layout
- Red Line Boundary
  - Blue Line Boundary
- Wind Farm
- Access Tracks
  - Turbine Hardstands
  - Turbine Locations
  - Metmast
  - grading
  - Drainage
- Constraints
- Hydrogeology
- Groundwater
- IRL\_VULNERABILITY\_ITM
- Rock near surface or karst (X)
  - Extreme (E)
- Topography
- Contours
- 10m Elevation Contours
- Base Layers
- ITM\_National\_High\_Resolution\_Imagery

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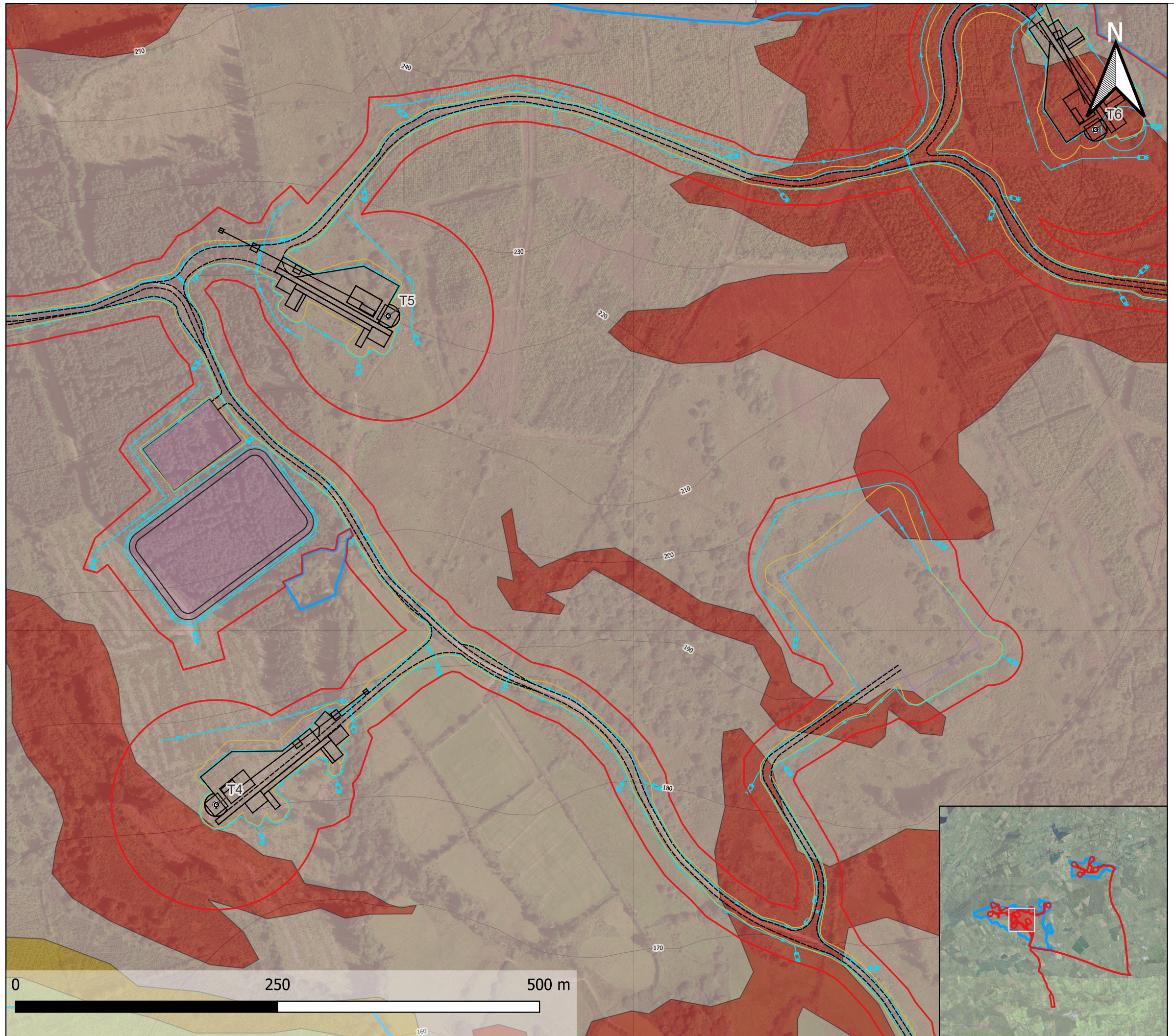
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**Figure 9.9a - Groundwater Vulnerability  
Wind Farm - Tile 02 WDA**

- Legend
- Project related data
- Site Layout
- Site Layout
- Red Line Boundary
  - Blue Line Boundary
- Wind Farm
- Access Tracks
  - Turbine Hardstands
  - Turbine Locations
  - grading
  - Drainage
  - Onsite SS
  - ▭ CC Stockpile
- Constraints
- Hydrogeology
- Groundwater
- IRL\_VULNERABILITY\_ITM
- Rock near surface or karst (X)
  - Extreme (E)
  - High (H)
  - Moderate (M)
- Topography
- Contours
- 10m Elevation Contours
- Base Layers
- ITM\_National\_High\_Resolution\_Imagery

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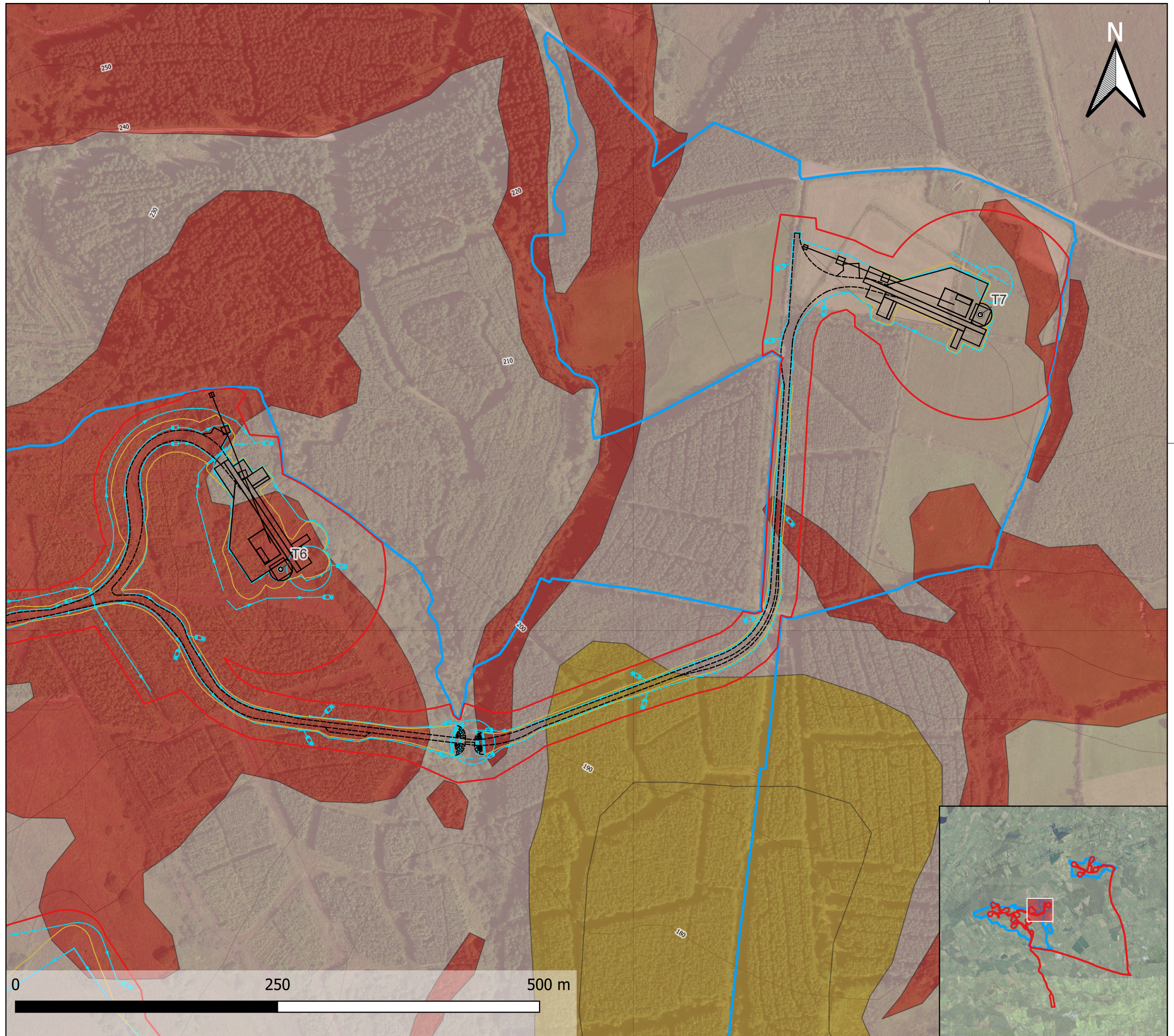
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**Figure 9.9a - Groundwater Vulnerability  
Wind Farm - Tile 03 WDA**

- Legend
- Project related data
- Site Layout
- Site Layout
- Red Line Boundary
  - Blue Line Boundary
- Wind Farm
- Access Tracks
  - Turbine Hardstands
  - Turbine Locations
  - grading
  - Drainage
  - Onsite SS
- Constraints
- Hydrogeology
- Groundwater
- IRL\_VULNERABILITY\_ITM
- Rock near surface or karst (X)
  - Extreme (E)
  - High (H)
  - Moderate (M)
- Topography
- Contours
- 10m Elevation Contours
- Base Layers
- ITM\_National\_High\_Resolution\_Imagery

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<b>Reviewed by</b>	SK
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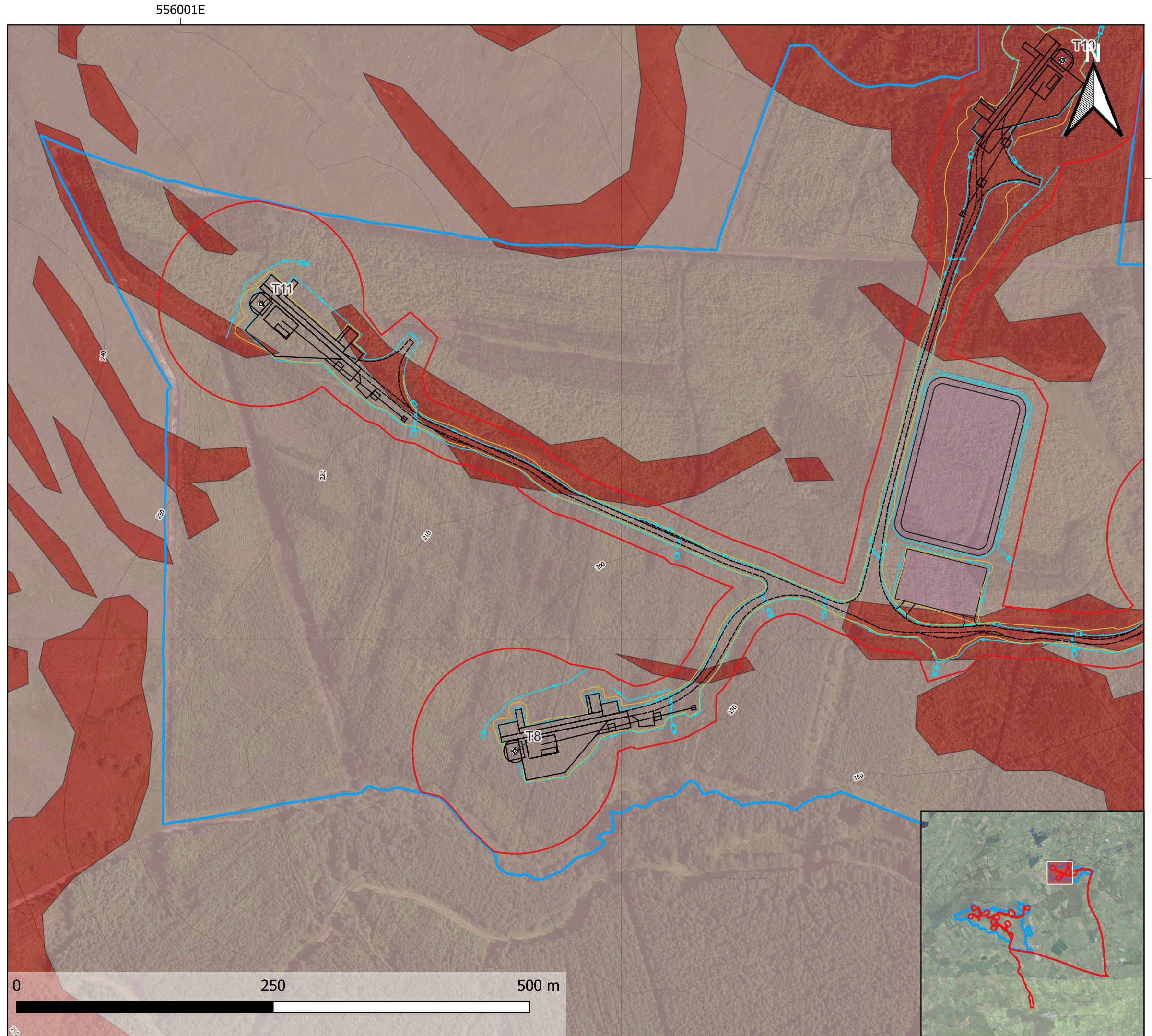
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**Figure 9.9a - Groundwater Vulnerability  
Wind Farm - Tile 04 EDA**

- Legend
- Project related data
- Site Layout
- Red Line Boundary
  - Blue Line Boundary
- Wind Farm
- Access Tracks
  - Turbine Hardstands
  - Turbine Locations
  - grading
  - Drainage
  - CC Stockpile
- Constraints
- Hydrogeology
- Groundwater
- IRL\_VULNERABILITY\_ITM
- Rock near surface or karst (X)
  - Extreme (E)
- Topography
- Contours
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- Base Layers
- ITM\_National\_High\_Resolution\_Imagery

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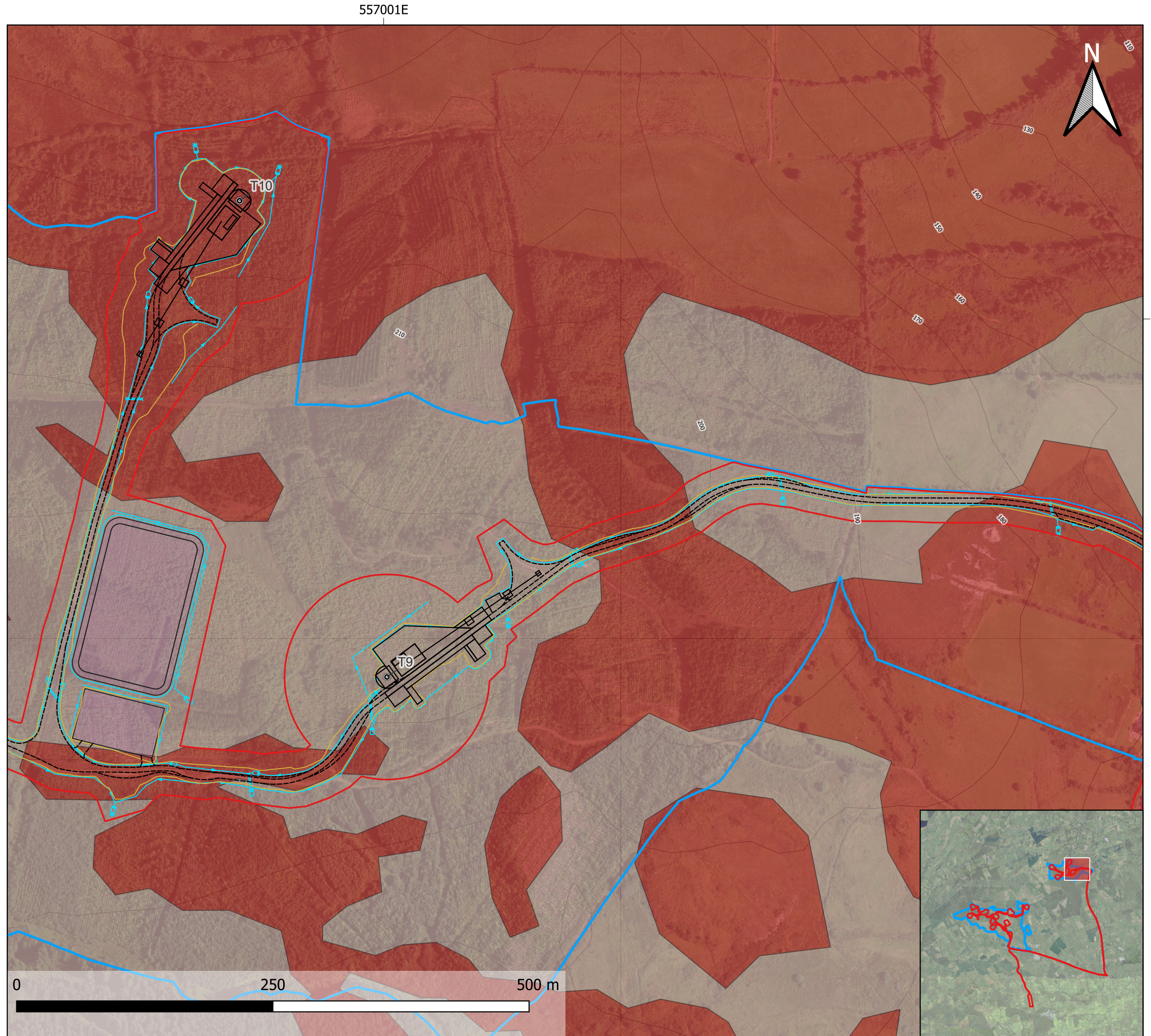
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**Figure 9.9a - Groundwater Vulnerability  
Wind Farm - Tile 05 EDA**

- Legend
- Project related data
- Site Layout
- Site Layout
- Red Line Boundary
  - Blue Line Boundary
- Wind Farm
- Access Tracks
  - Turbine Hardstands
  - Turbine Locations
  - grading
  - Drainage
  - ▭ CC Stockpile
- Constraints
- Hydrogeology
- Groundwater
- IRL\_VULNERABILITY\_ITM
- Rock near surface or karst (X)
  - Extreme (E)
- Topography
- Contours
- 10m Elevation Contours
- Base Layers
- ITM\_National\_High\_Resolution\_Imagery

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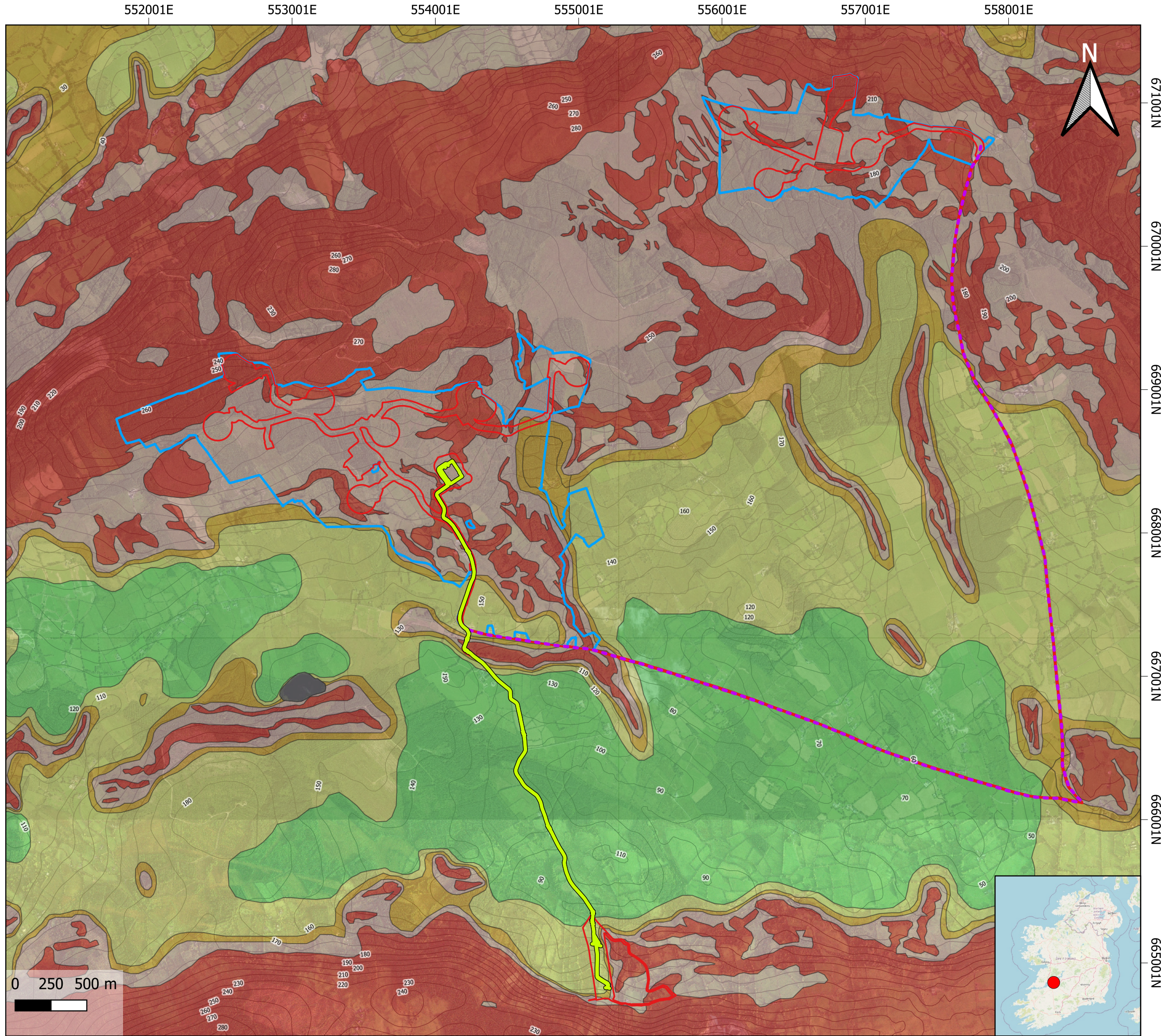
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**Figure 9.9b - Groundwater Vulnerability GCR and IPP**

- Legend**
- Project related data**
- Site Layout
  - Grid Connection
  - GCR
  - IPP Alternate
  - IPP
  - Site Layout
  - Red Line Boundary
  - Blue Line Boundary
- Constraints**
- Hydrogeology**
- Groundwater**
- IRL\_VULNERABILITY\_ITM**
- Rock near surface or karst (X)
  - Extreme (E)
  - High (H)
  - Moderate (M)
  - Low (L)
  - Water
- Topography**
- Contours**
- 10m Elevation Contours
- Base Layers**
- ITM\_National\_High\_Resolution\_Imagery

<b>Project ID</b>	604569
<b>Project Name</b>	Oatfield Wind Farm, Co. Clare
<b>Projection</b>	ITM
<b>Drawn by</b>	DW
<b>Revised by</b>	SK
<b>Version</b>	18/12/2023

References/Sources:  
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 Bing Aerial / GeoHive / Open Street Map / Google Roads  
 Global Digital Elevation Model (GDEM)



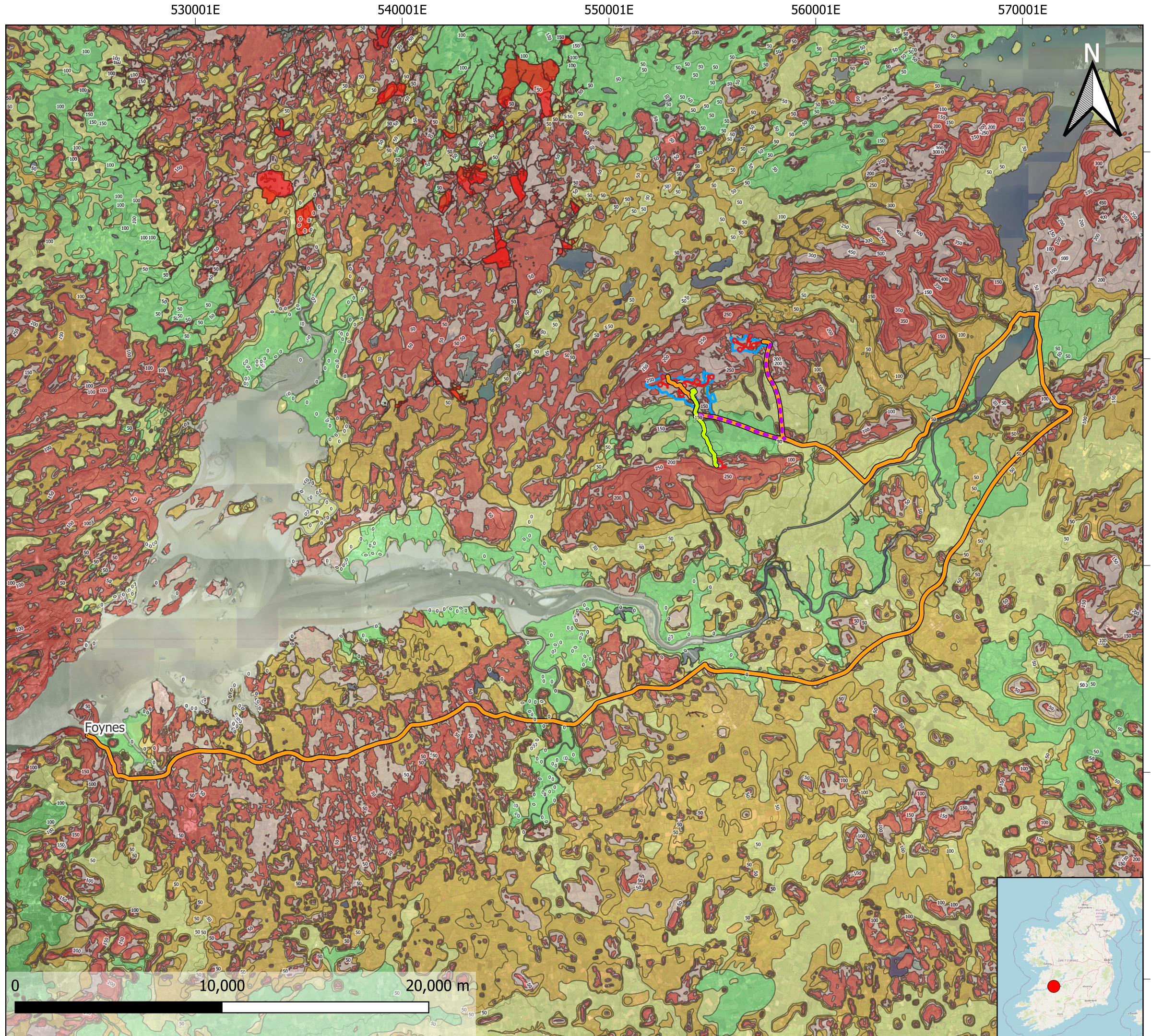
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**Figure 9.9c - Groundwater Vulnerability TDR**

- Legend**
- Project related data**
- Site Layout
  - Grid Connection
  - GCR
  - IPP Alternate
  - IPP
  - Turbine Delivery Route
  - TDR Route
  - Site Layout
  - Red Line Boundary
  - Blue Line Boundary
- Constraints**
- Hydrogeology**
- Groundwater**
- IRL\_VULNERABILITY\_ITM
- Rock near surface or karst (X)
  - Extreme (E)
  - High (H)
  - Moderate (M)
  - Low (L)
  - Water
- Topography**
- Contours**
- 50m Elevation Countours
- Base Layers**
- ITM\_National\_High\_Resolution\_Imagery

<b>Project ID</b>	604569
<b>Project Name</b>	Oatfield Wind Farm, Co. Clare
<b>Projection</b>	ITM
<b>Drawn by</b>	DW
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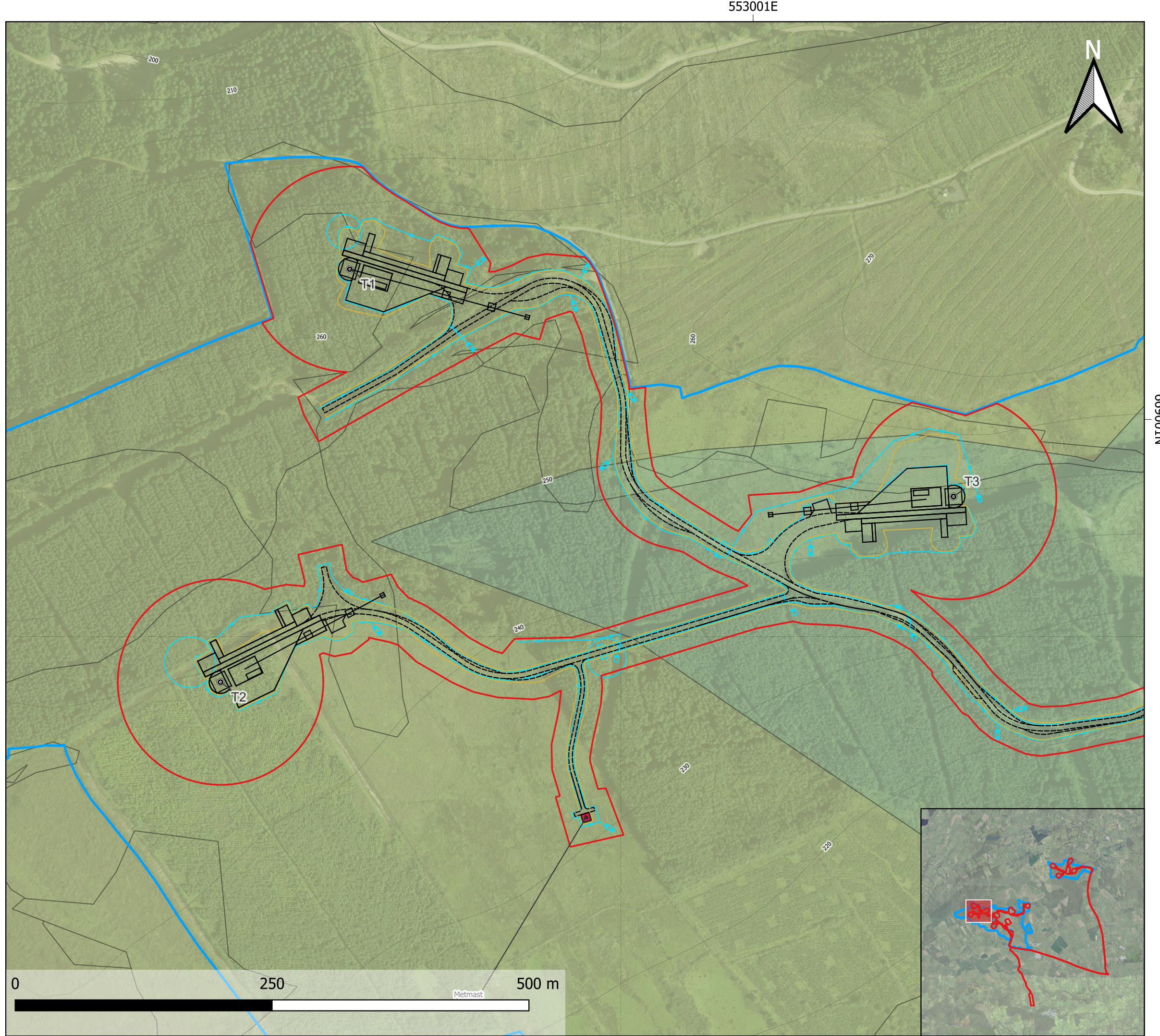
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**Figure 9.10a - Groundwater Recharge Wind Farm - Tile 01 WDA**

- Legend
- Project related data
- Site Layout
- Site Layout
- Red Line Boundary
  - Blue Line Boundary
- Wind Farm
- Access Tracks
  - Turbine Hardstands
  - Turbine Locations
  - Metmast
  - grading
  - Drainage
- Constraints
- Hydrogeology
- Groundwater
- IE\_GSI\_Groundwater\_Recharge\_40K\_IE26\_ITM
- 151-200
  - 51-100
- Topography
- Contours
- 10m Elevation Contours
- Base Layers
- ITM\_National\_High\_Resolution\_Imagery

<b>Project ID</b>	604569
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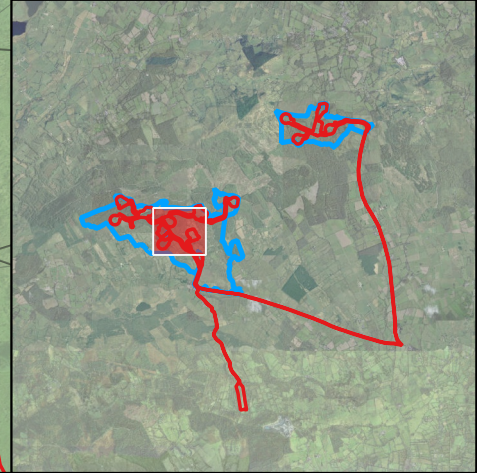
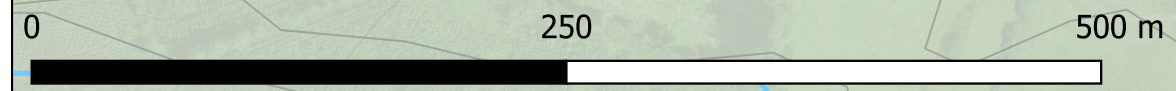
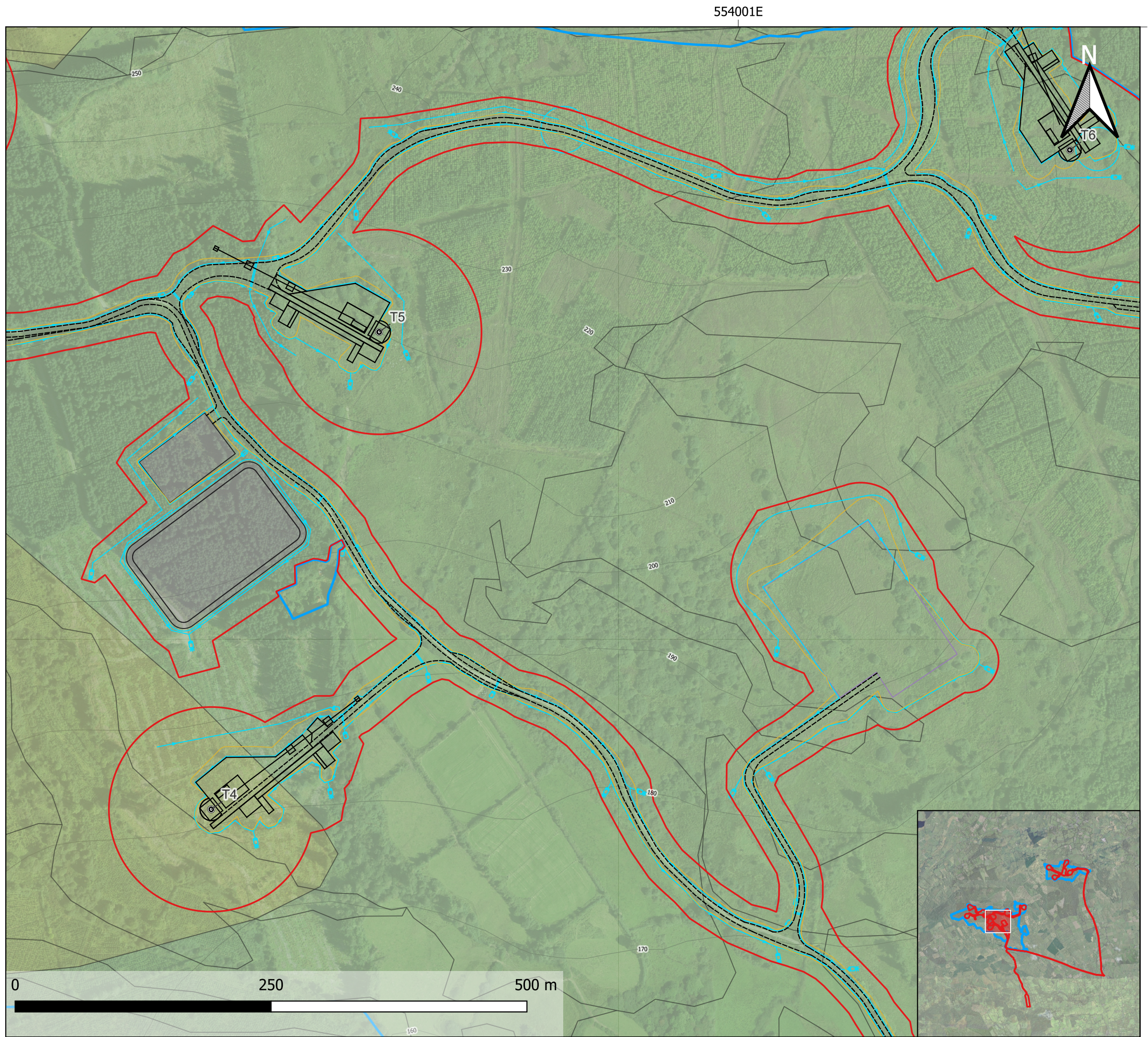
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**Figure 9.10a - Groundwater Recharge Wind Farm - Tile 02 WDA**

- Legend**
- Project related data**
- Site Layout**
- Red Line Boundary
  - Blue Line Boundary
- Wind Farm**
- Access Tracks
  - Turbine Hardstands
  - Turbine Locations
  - grading
  - Drainage
  - Onsite SS
  - ▭ CC Stockpile
- Constraints**
- Hydrogeology**
- Groundwater**
- IE\_GSI\_Groundwater\_Recharge\_40K\_IE26\_ITM
- 151-200
  - 101-150
  - 51-100
- Topography**
- Contours**
- 10m Elevation Contours
- Base Layers**
- ITM\_National\_High\_Resolution\_Imagery

<b>Project ID</b>	604569
<b>Project Name</b>	Oatfield Wind Farm, Co. Clare
<b>Projection</b>	ITM
<b>Drawn by</b>	DW
<b>Revised by</b>	SK
<b>Version</b>	18/12/2023

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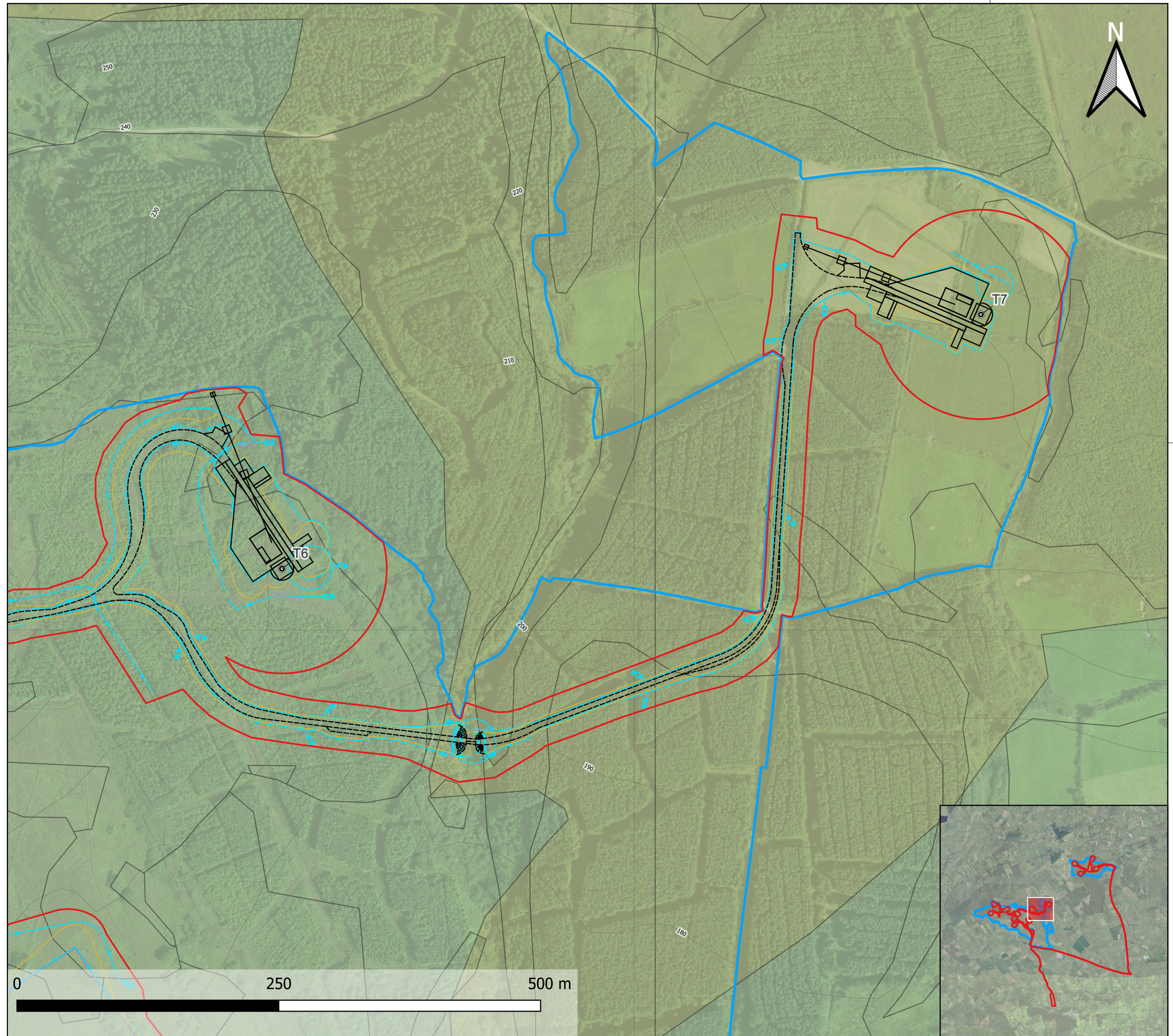
**Figure 9.10a - Groundwater Recharge Wind Farm - Tile 03 WDA**

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- Legend
- Project related data
- Site Layout
- Site Layout
- Red Line Boundary
  - Blue Line Boundary
- Wind Farm
- Access Tracks
  - Turbine Hardstands
  - Turbine Locations
  - grading
  - Drainage
  - Onsite SS
- Constraints
- Hydrogeology
- Groundwater
- IE\_GSI\_Groundwater\_Recharge\_40K\_IE26\_ITM
- 151-200
  - 101-150
  - 51-100
- Topography
- Contours
- 10m Elevation Contours
- Base Layers
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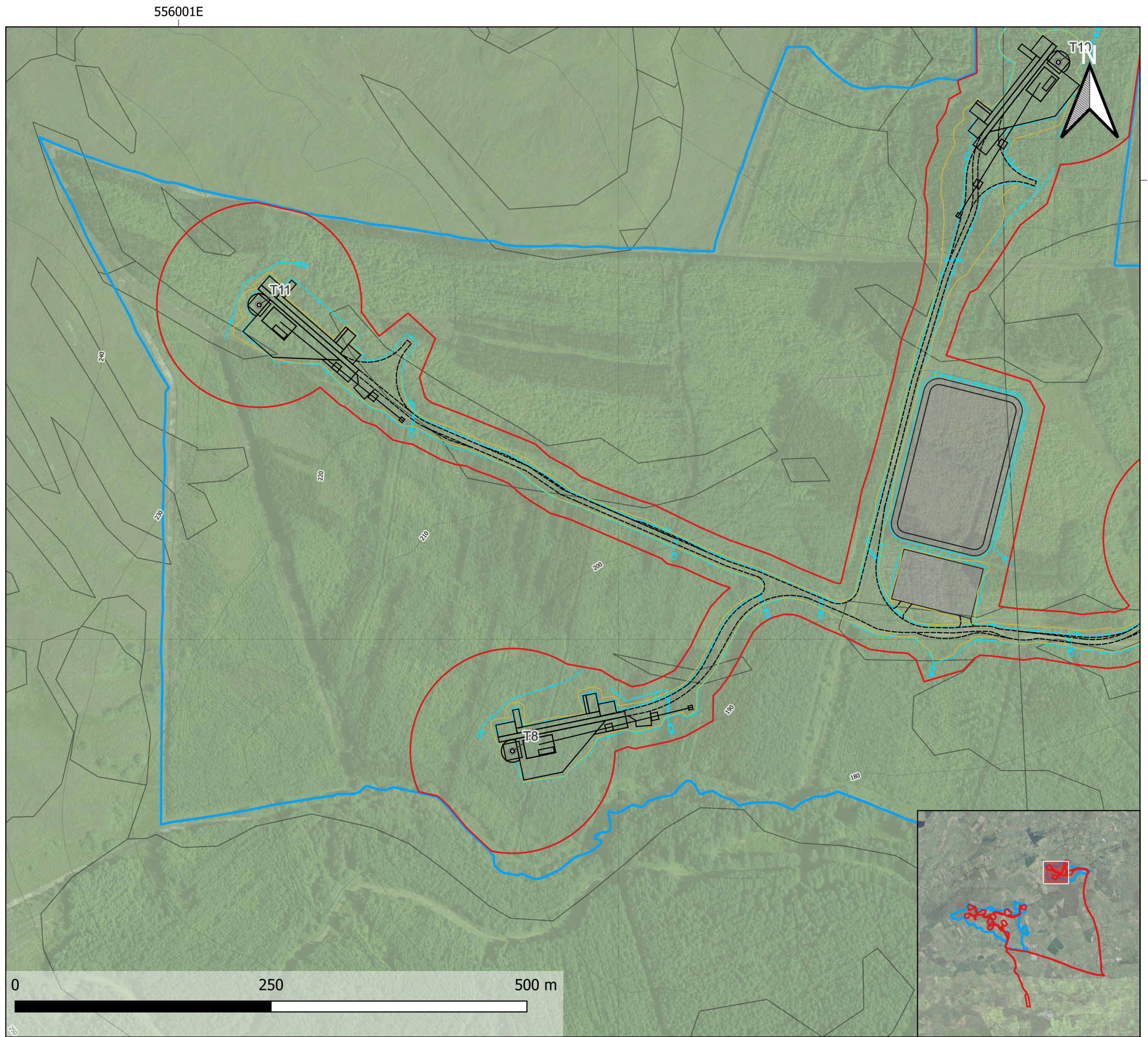
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**Figure 9.10a - Groundwater Recharge Wind Farm - Tile 04 EDA**

- Legend**
- Project related data**
- Site Layout**
- Red Line Boundary
  - Blue Line Boundary
- Wind Farm**
- Access Tracks
  - Turbine Hardstands
  - Turbine Locations
  - grading
  - Drainage
  - CC Stockpile
- Constraints**
- Hydrogeology**
- Groundwater**
- IE\_GSI\_Groundwater\_Recharge\_40K\_IE26\_ITM
- 151-200
- Topography**
- Contours**
- 10m Elevation Contours
- Base Layers**
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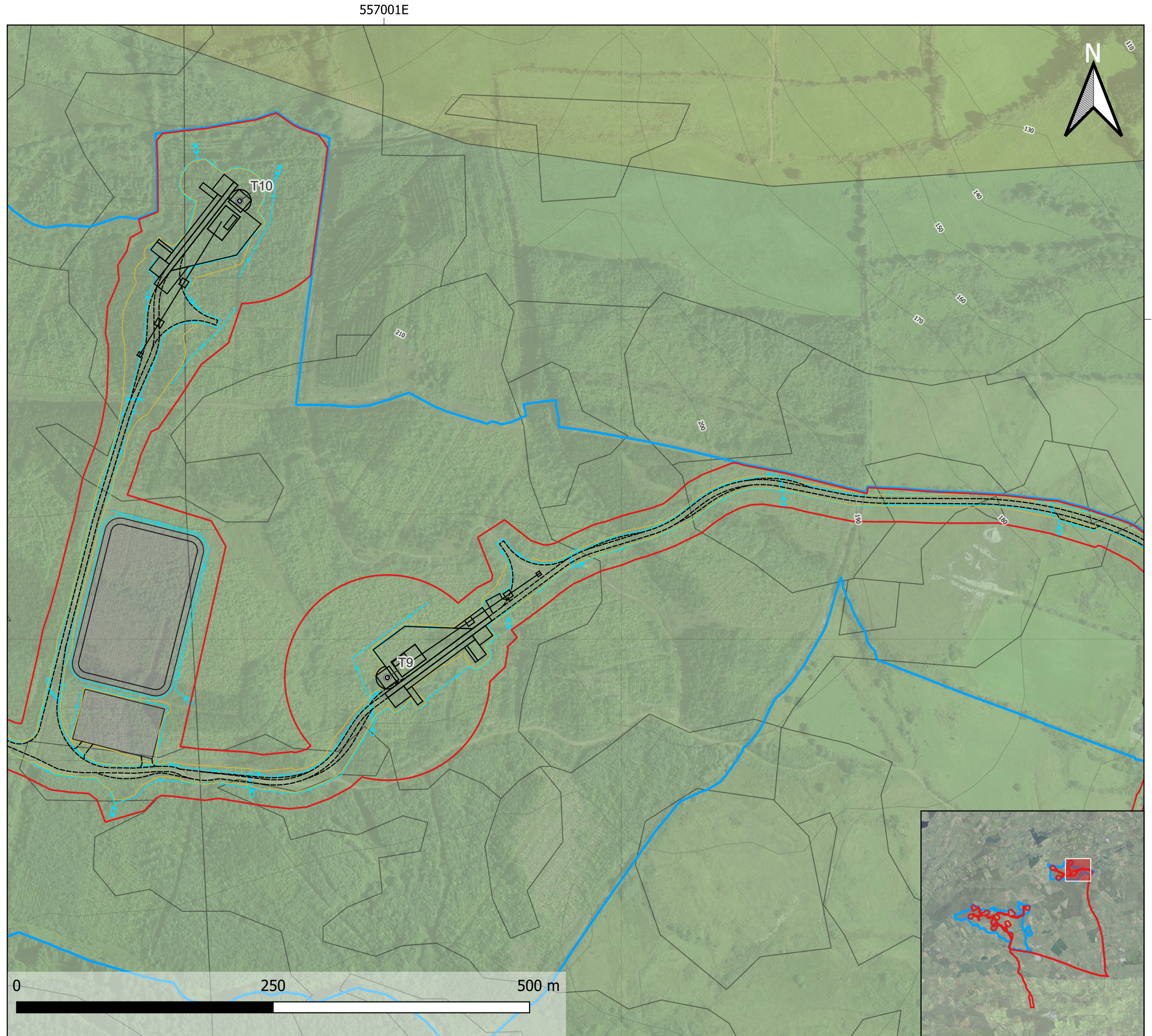
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**Figure 9.10a - Groundwater Recharge Wind Farm - Tile 05 EDA**

- Legend**
- Project related data**
- Site Layout**
- Red Line Boundary  
Blue Line Boundary
- Wind Farm**
- Access Tracks  
— Turbine Hardstands  
○ Turbine Locations  
— grading  
— Drainage  
□ CC Stockpile
- Constraints**
- Hydrogeology**
- Groundwater**
- IE\_GSI\_Groundwater\_Recharge\_40K\_IE26\_ITM
- 151-200  
51-100
- Topography**
- 10m Elevation Contours
- Base Layers**
- ITM\_National\_High\_Resolution\_Imagery

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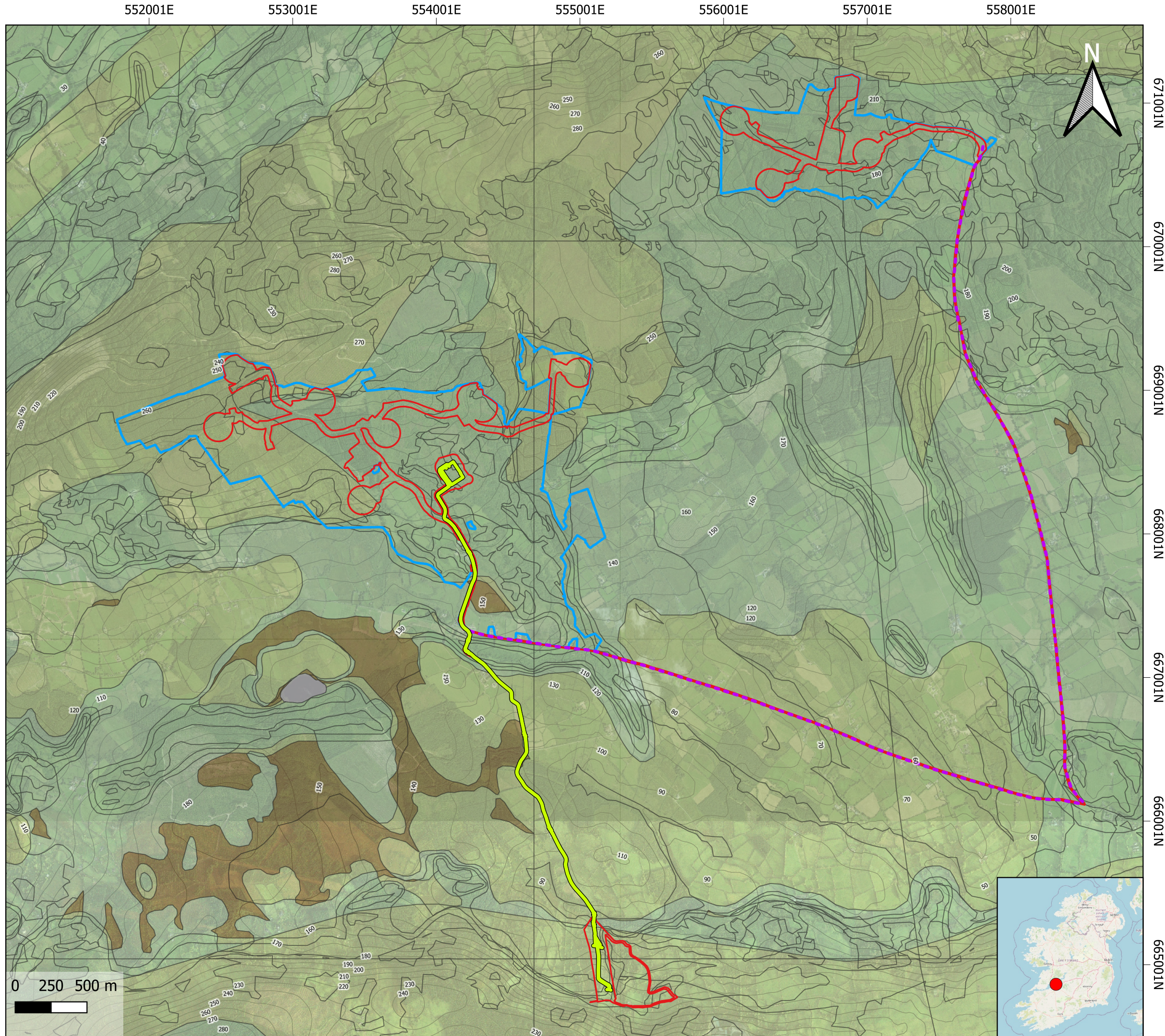
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**Figure 9.10b - Groundwater Recharge GCR and IPP**

- Legend
- Project related data
- Site Layout
- Grid Connection
- GCR
  - IPP Alternate
  - IPP
- Site Layout
- Red Line Boundary
  - Blue Line Boundary
- Constraints
- Hydrogeology
- Groundwater
- IE\_GSI\_Groundwater\_Recharge\_40K\_IE26\_ITM
- 151-200
  - 101-150
  - 51-100
  - 1-50
  - water
- Topography
- Contours
- 10m Elevation Contours
- Base Layers
- ITM\_National\_High\_Resolution\_Imagery

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