## EIAR VOLUME III Appendices

## CHAPTER 9 – HYDROLOGY AND HYDROGEOLOGY

Appendix 9.9: Turbine Delivery Route Constraints



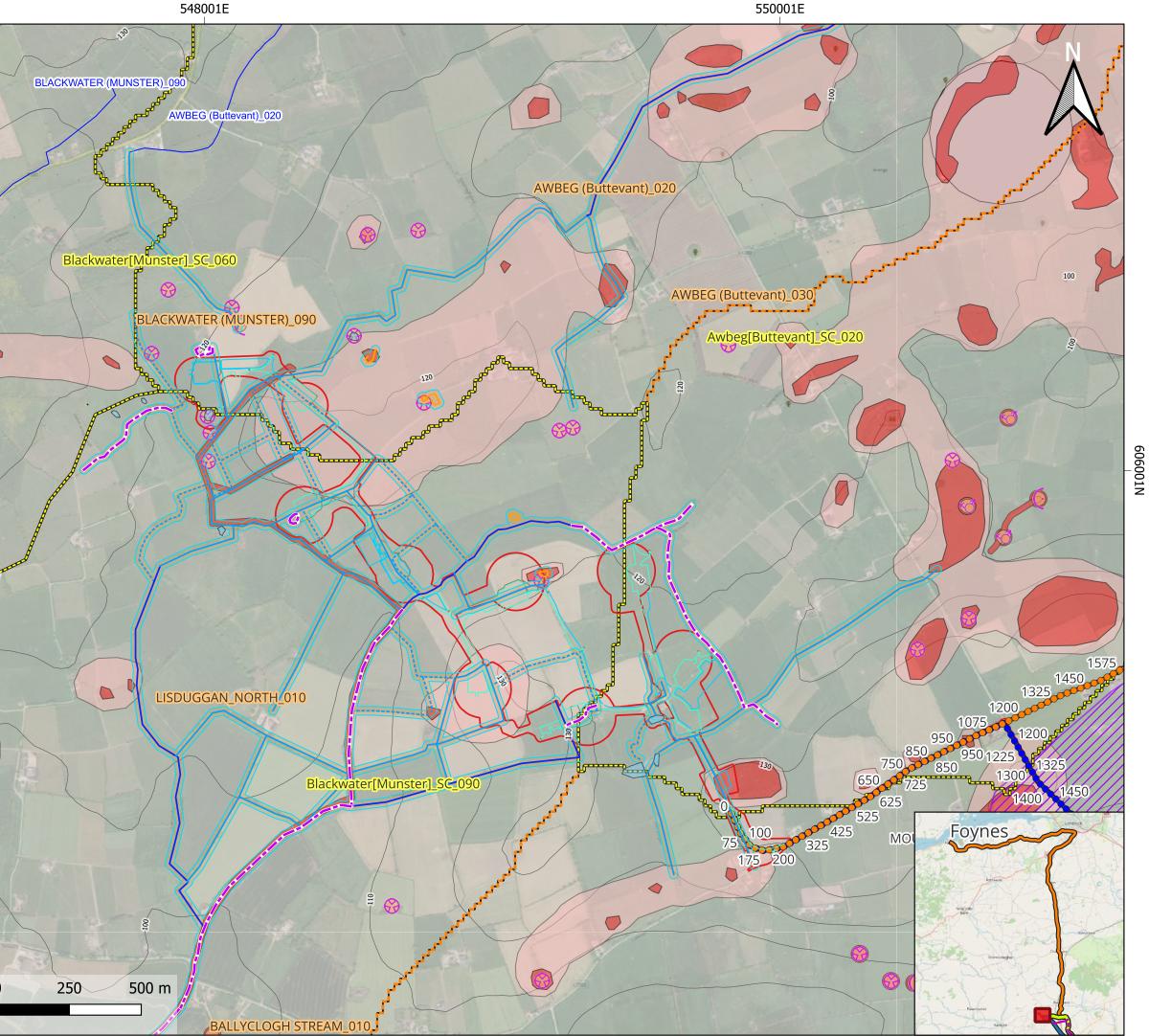


Figure 9.14c - Constraints TDR Option 1 Tile\_02

Legend

♦ HDD **Mapped Drainage** 

0

TDR Option 1

Constraints Hydrology

Hydrogeology

Spring

Groundwater

Wells10to50 Wells polygons

Topography

**Base Layers** 

**Bing Aerial** 

**Project ID** 

Projection

Drawn by

Version

Reviwed by

References/Sources:

SK

Project Name

**OpenStreetMap** 

**X** 

E

Wells

Swallow Hole

кð

TDR Option 2

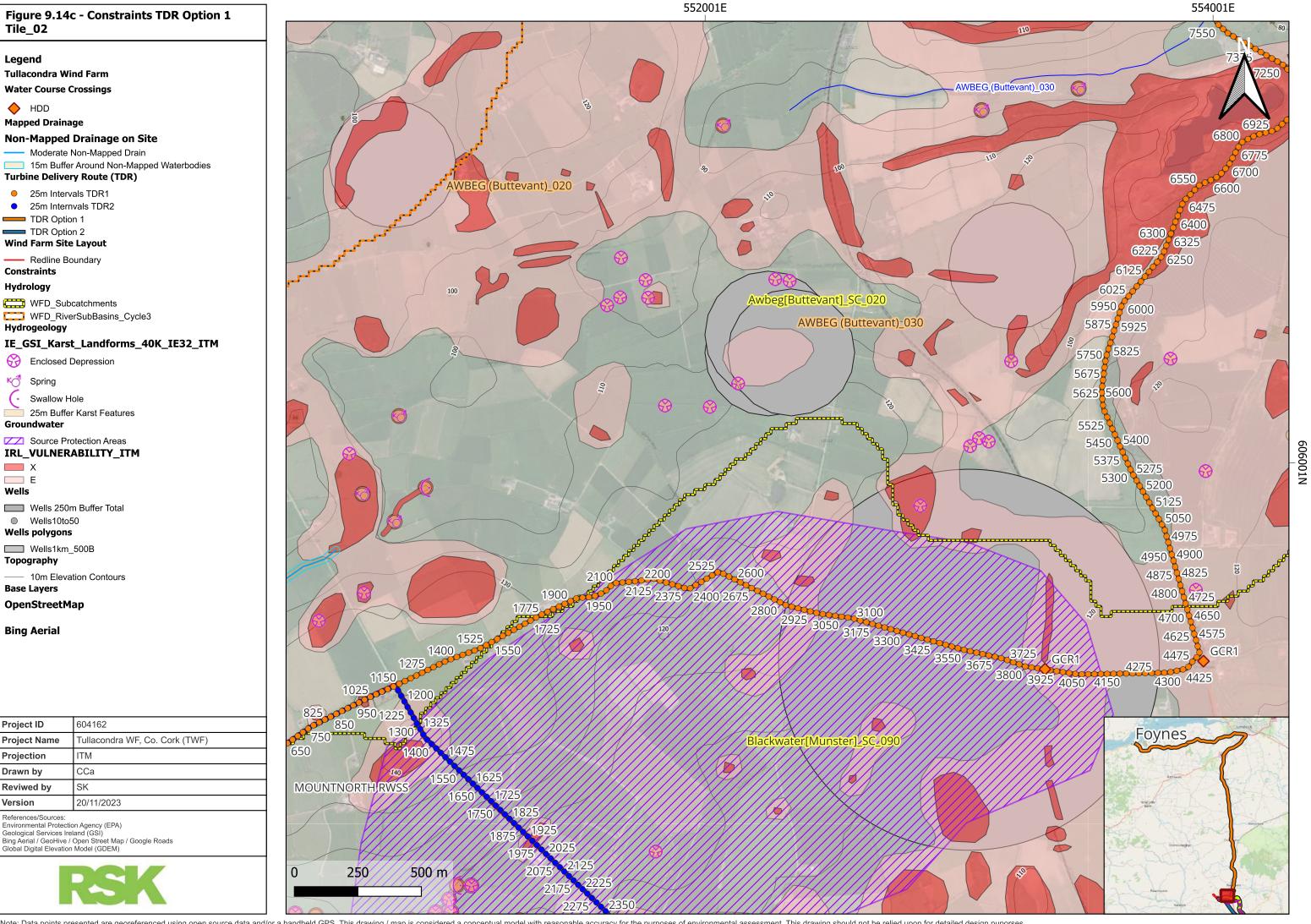


Figure 9.14c - Constraints TDR Option 1 Tile\_03

Legend

**Tullacondra Wind Farm** 

Water Course Crossings

25m Intervals TDR1

WFD\_Subcatchments WFD\_RiverSubBasins\_Cycle3

Binclosed Depression

25m Buffer Karst Features

IRL\_VULNERABILITY\_ITM

Wells 250m Buffer Total

10m Elevation Contours

**SAC\_ITM\_2023\_02** 

**Designated Areas** 

**OpenStreetMap** 

Topography

**Base Layers** 

**Bing Aerial** 

**Project ID** 

Projection

Drawn by

Version

Reviwed by

Project Name

604162

ITM

CCa

References/Sources: Environmental Protection Agency (EPA) Geological Services Ireland (GSI) Bing Aerial / GeoHive / Open Street Map / Google Roads Global Digital Elevation Model (GDEM)

20/11/2023

SK

Tullacondra WF, Co. Cork (TWF)

TDR Option 1

**Turbine Delivery Route (TDR)** 

604162\_WFD\_Riverwaterbodies

IE\_GSI\_Karst\_Landforms\_40K\_IE32\_ITM

♦ TDR1 WCC

Constraints

Hydrology

Hydrogeology

K Spring

Groundwater

E X

Wells

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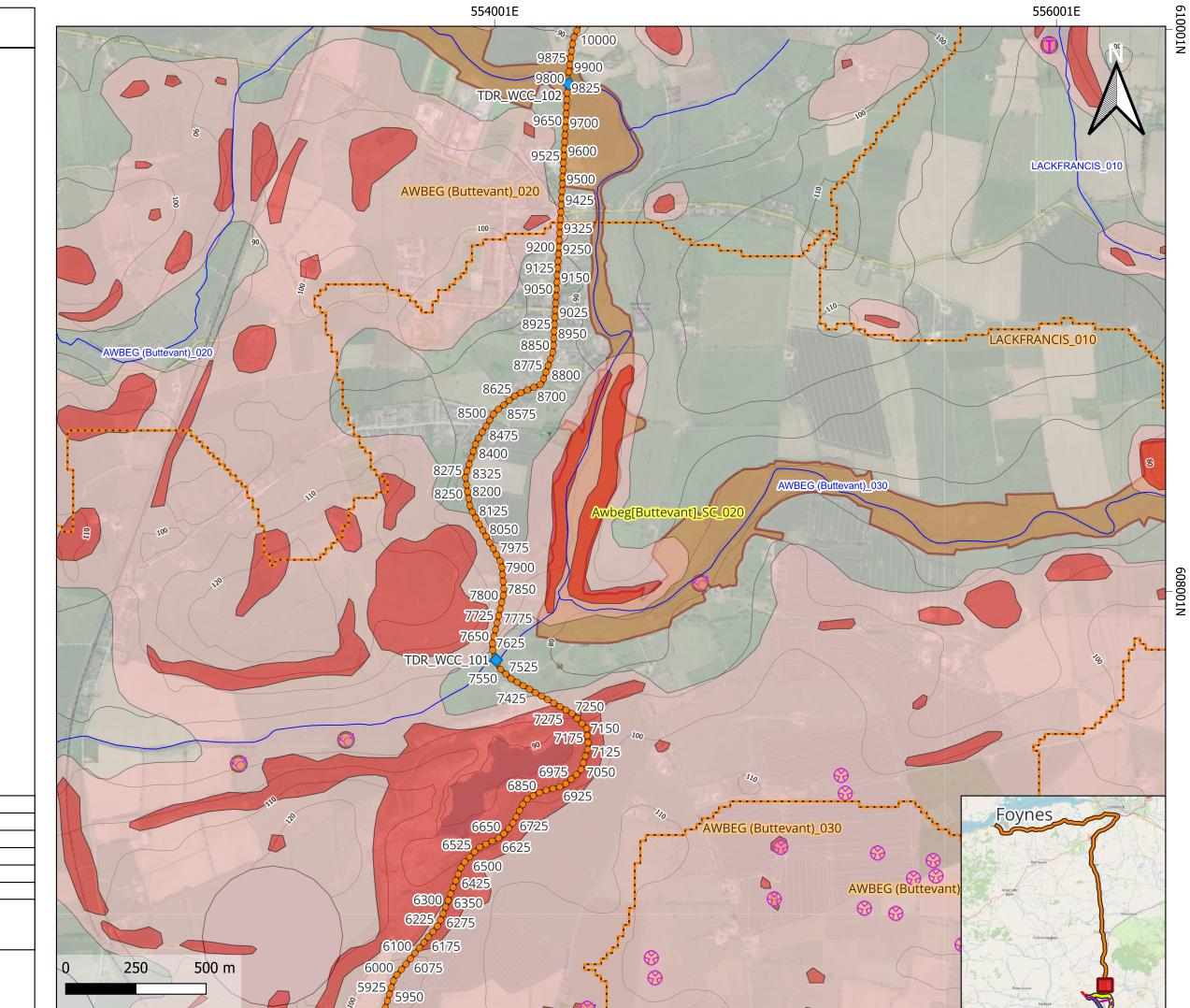


Figure 9.14c - Constraints TDR Option 1 Tile\_04

**Tullacondra Wind Farm** Water Course Crossings ♦ TDR1 WCC **Turbine Delivery Route (TDR)** • 25m Intervals TDR1 TDR Option 1 Constraints Hydrology - 604162\_WFD\_Riverwaterbodies

WFD\_Subcatchments WFD\_RiverSubBasins\_Cycle3 Hydrogeology

IE\_GSI\_Karst\_Landforms\_40K\_IE32\_ITM

Turlough 25m Buffer Karst Features Groundwater

IRL\_VULNERABILITY\_ITM

**X** E

Legend

**Designated Areas** 

**SAC\_ITM\_2023\_02** Topography

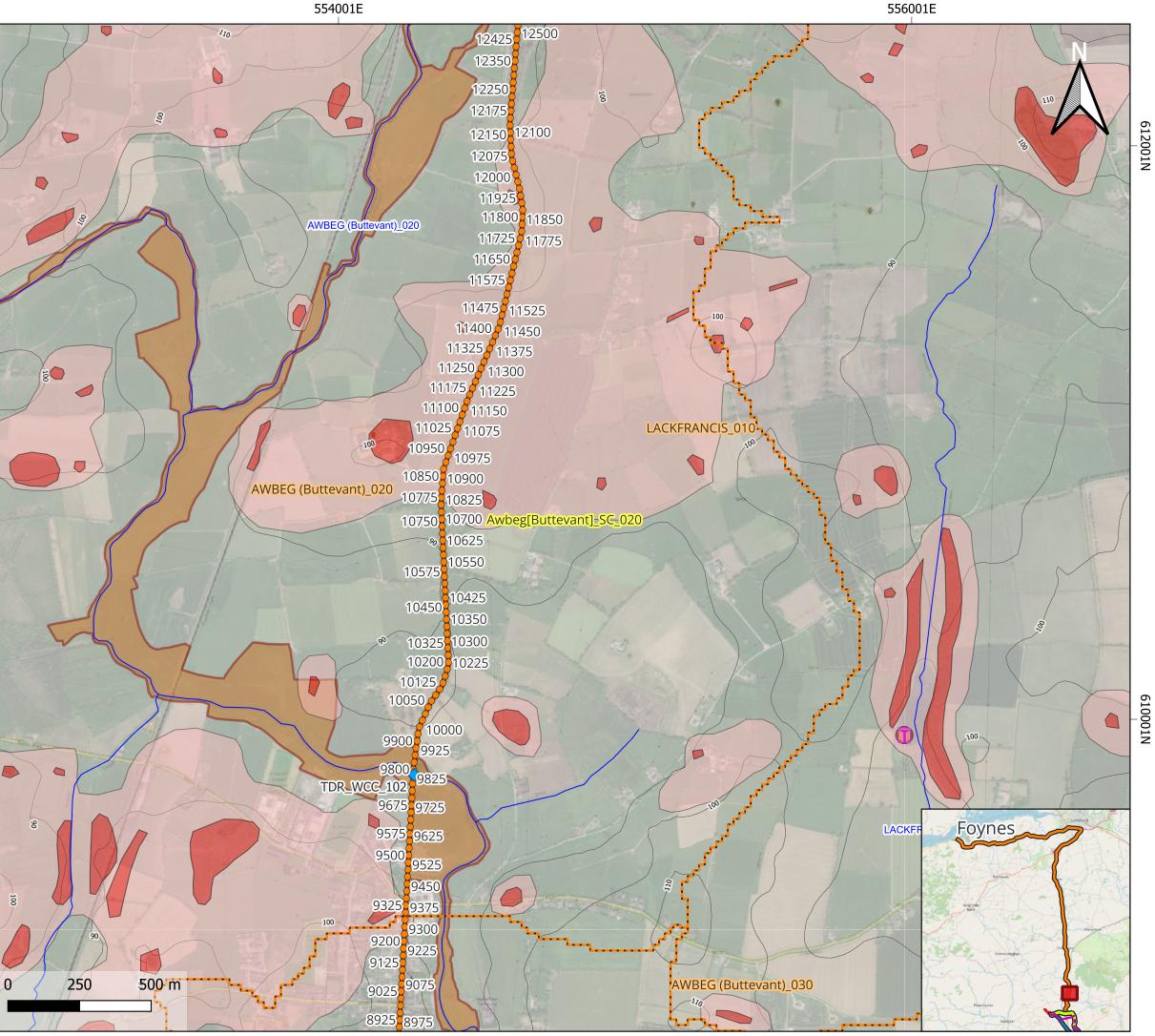
10m Elevation Contours **Base Layers** 

**OpenStreetMap** 

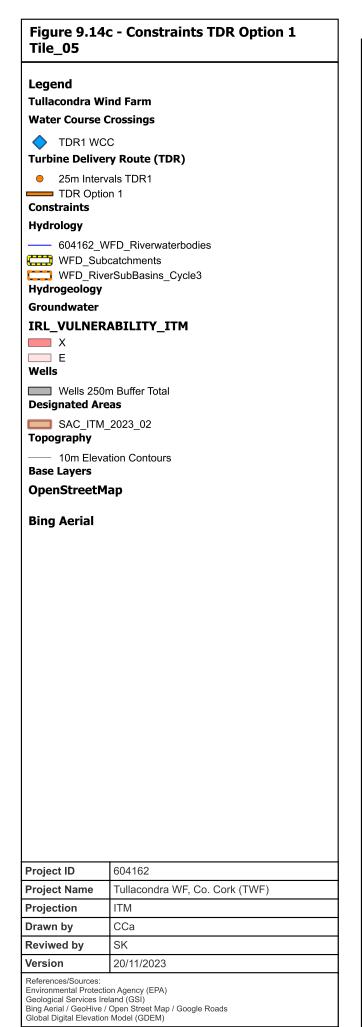
**Bing Aerial** 

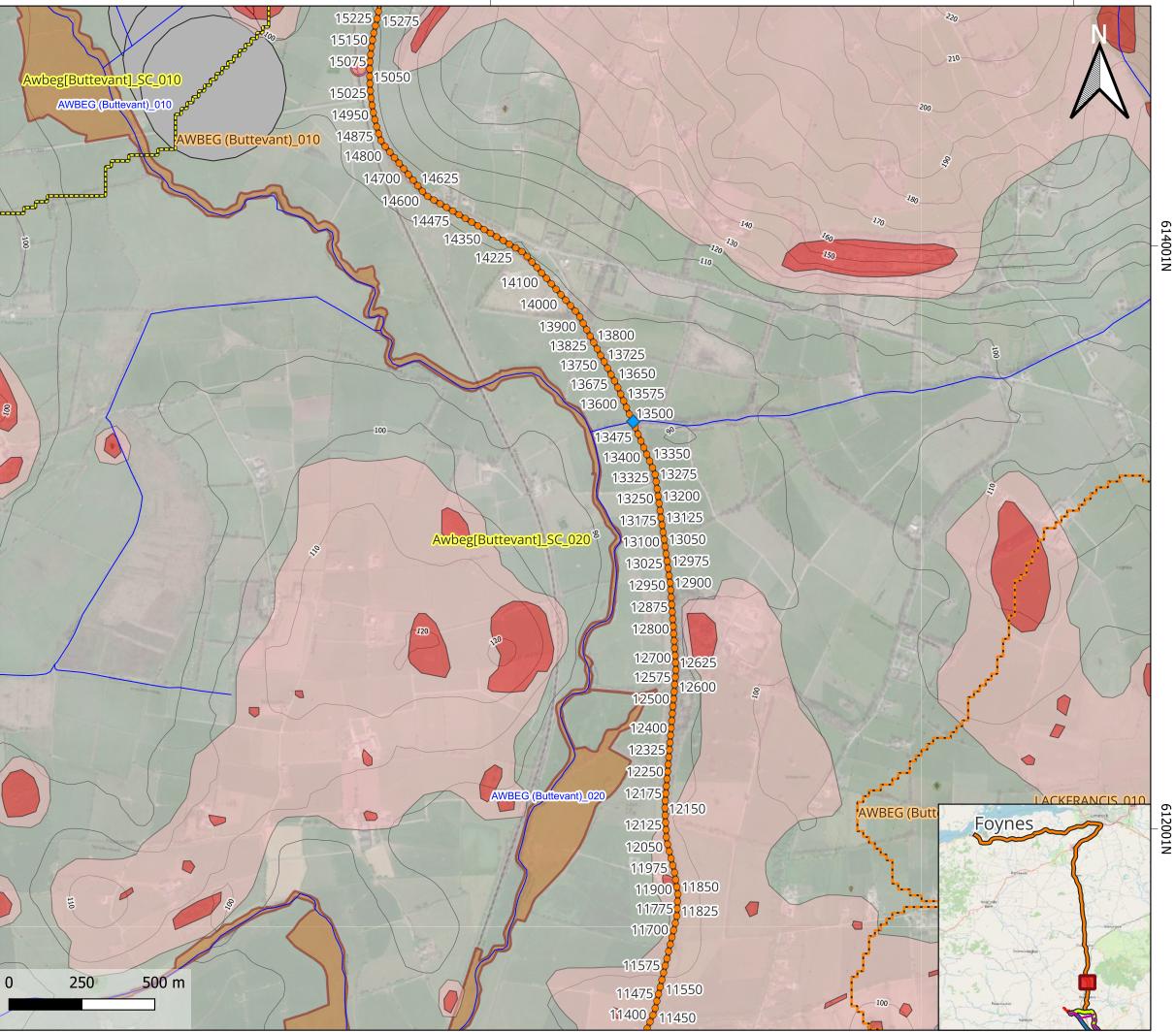
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Project Name	Tullacondra WF, Co. Cork (TWF)
Projection	ITM
Drawn by	ССа
Reviwed by	SK
Version	20/11/2023
References/Sources: Environmental Protectio Geological Services Ire Bing Aerial / GeoHive / Global Digital Elevation	land (GSÍ) Open Street Map / Google Roads







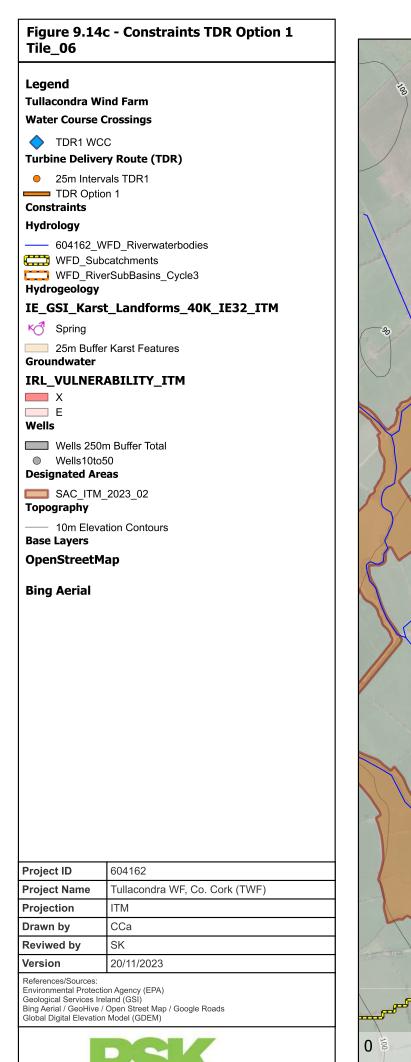


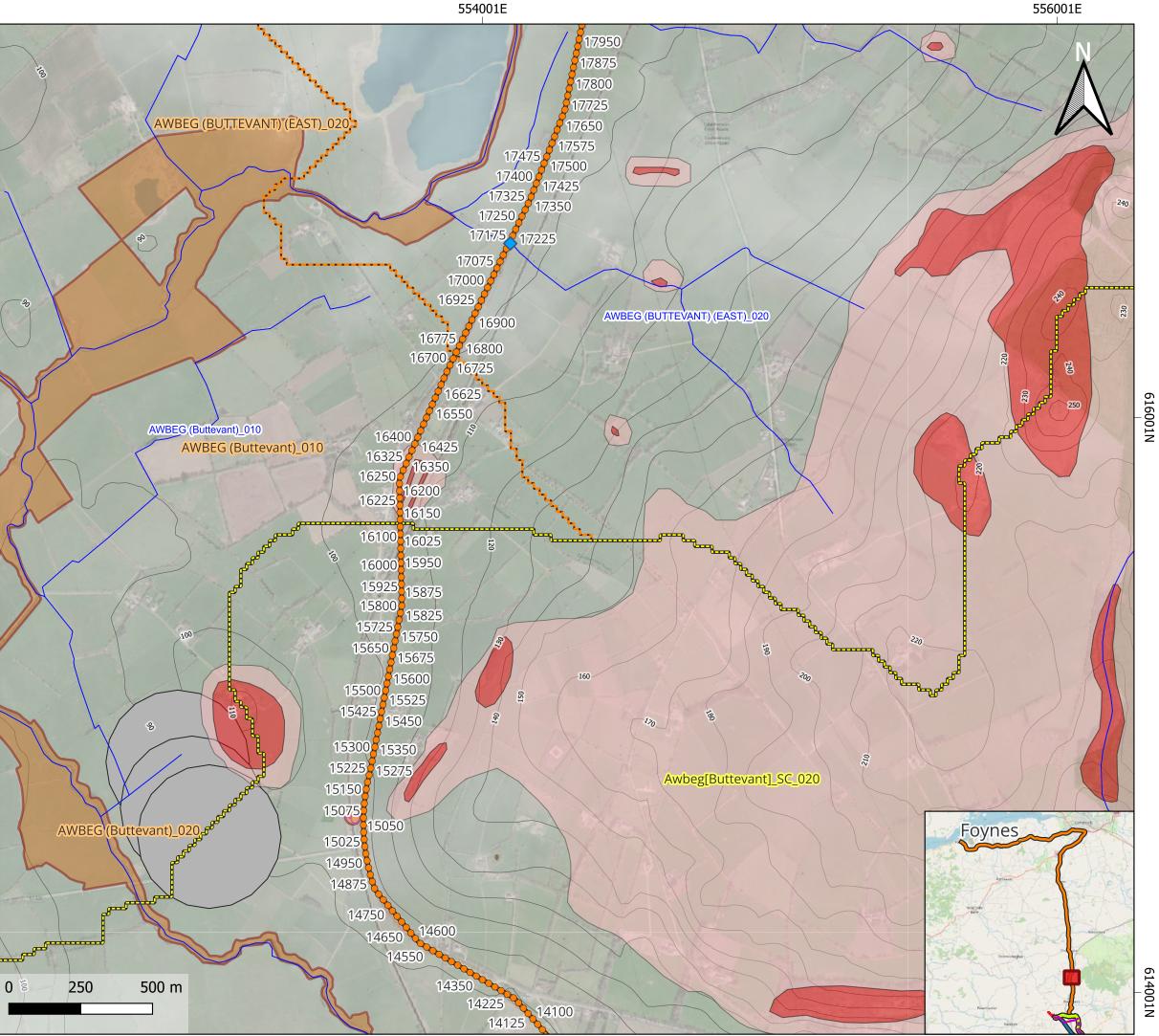


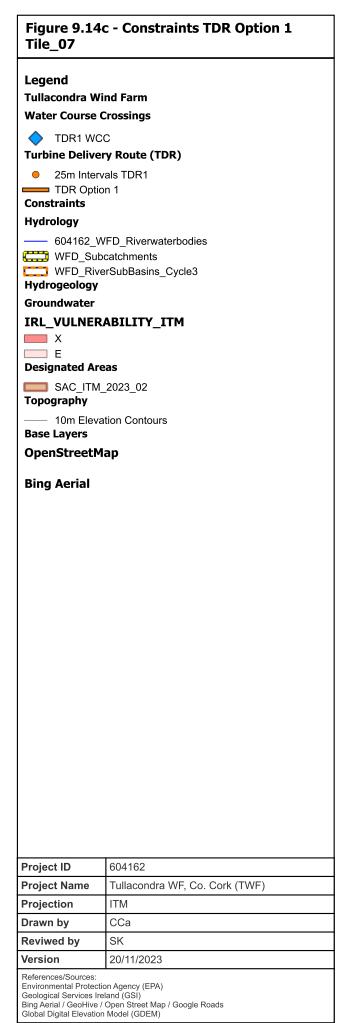
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Note: Data points presented are georeferenced using open source data and/or a handheld GPS. This drawing / map is considered a conceptual model with reasonable accuracy for the purposes of environmental assessment. This drawing should not be relied upon for detailed design puporses.

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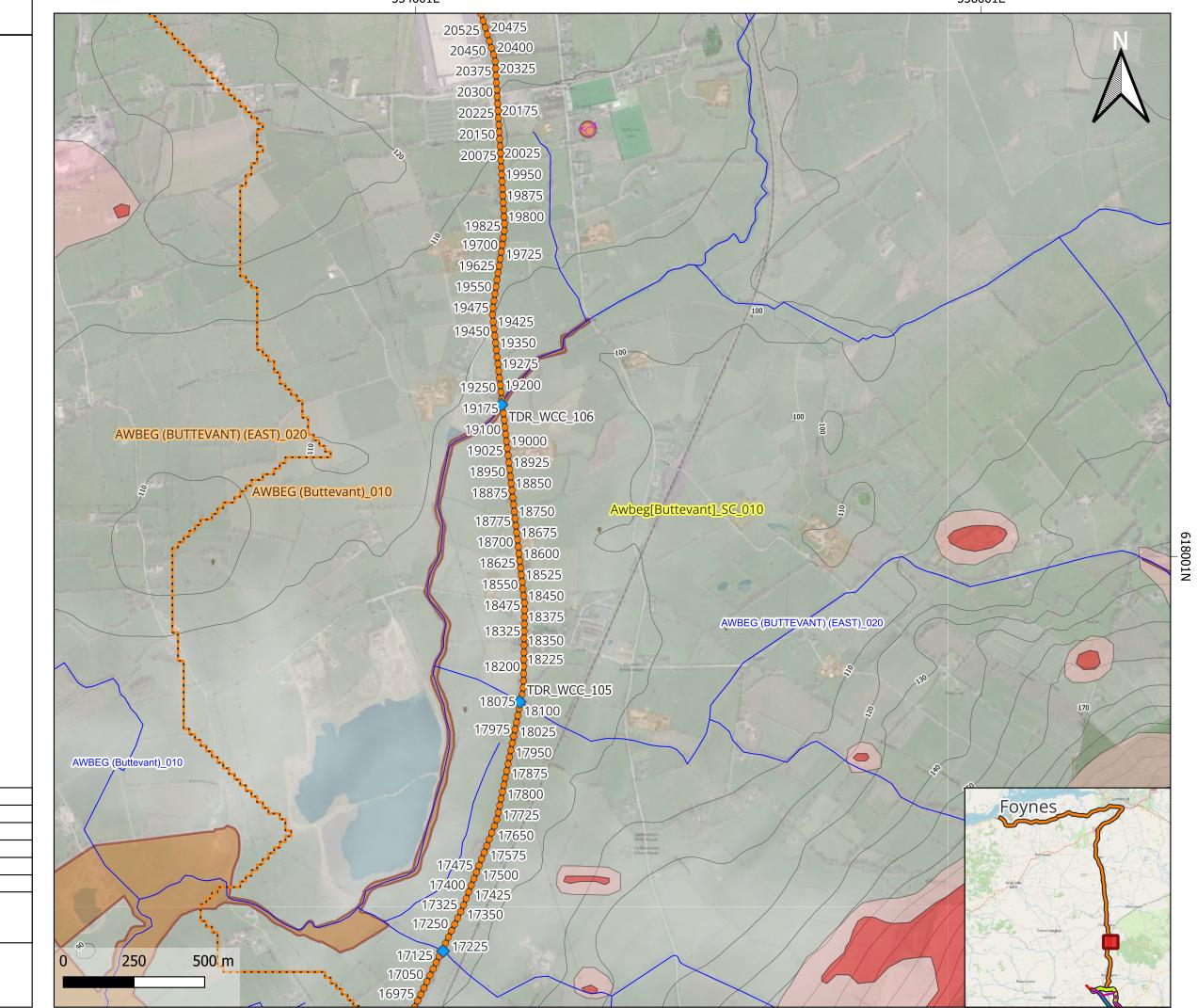




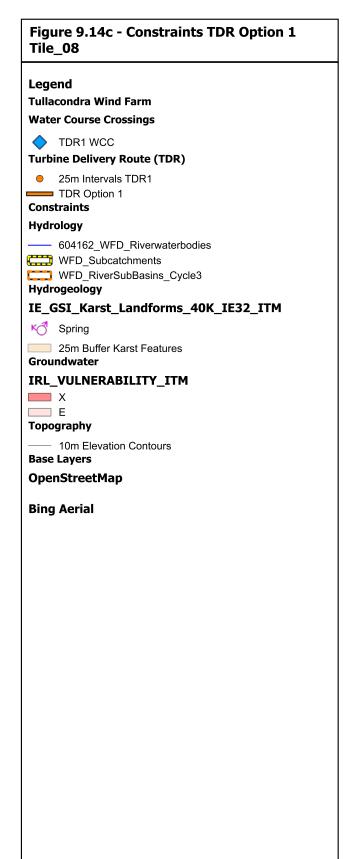




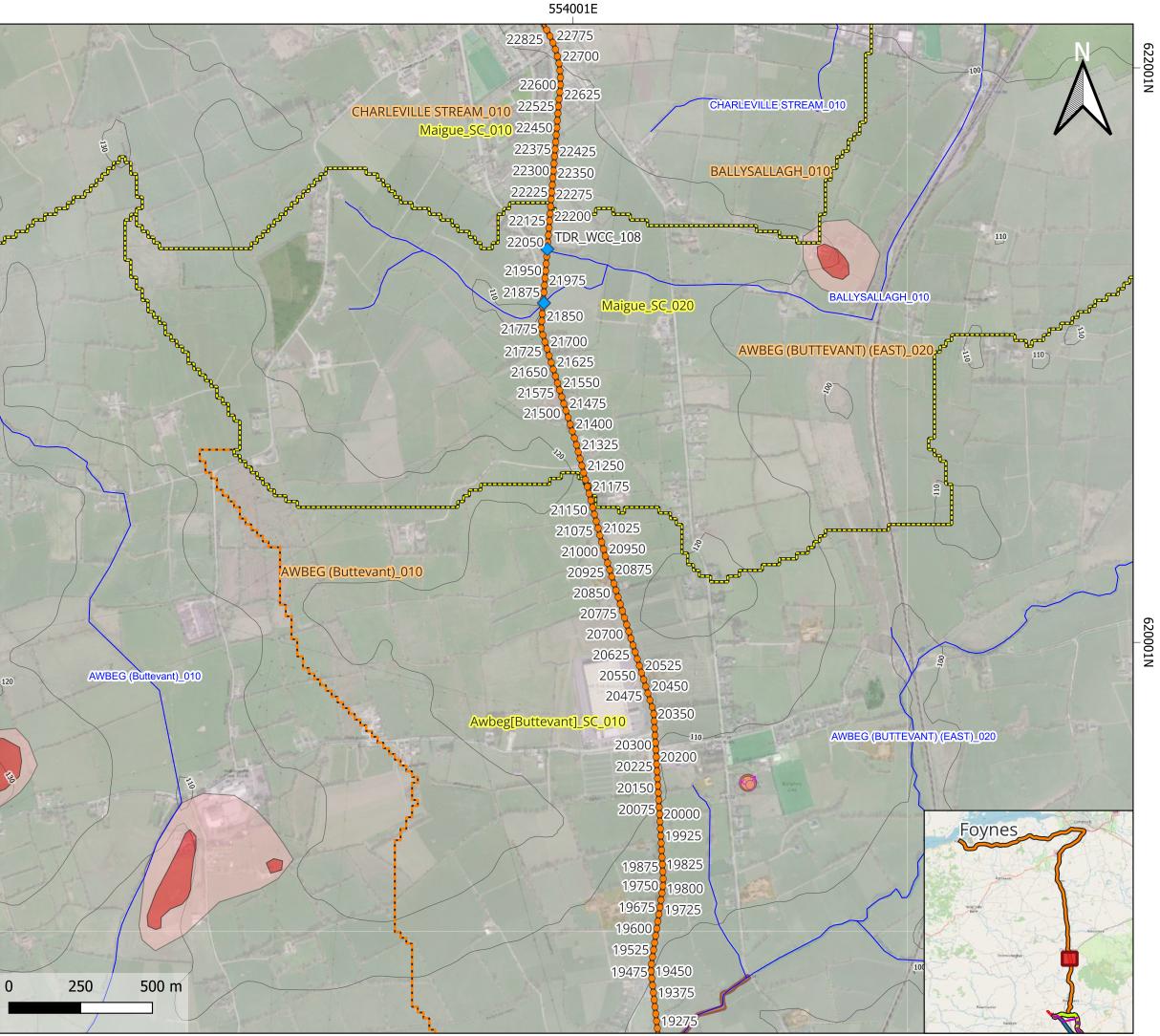


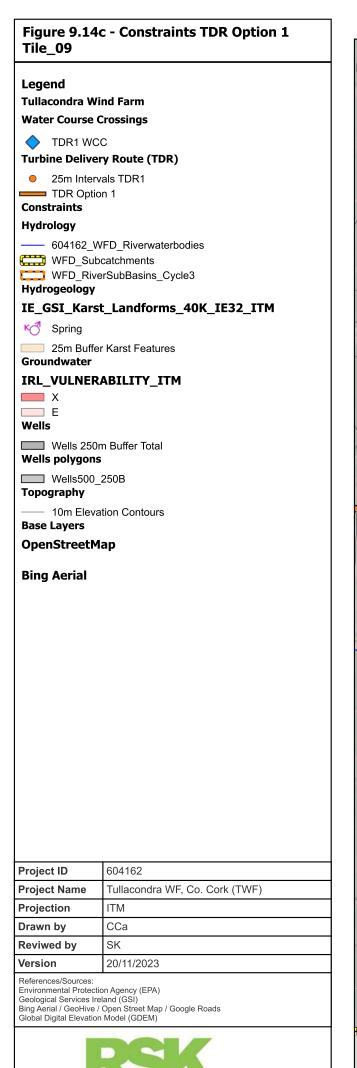


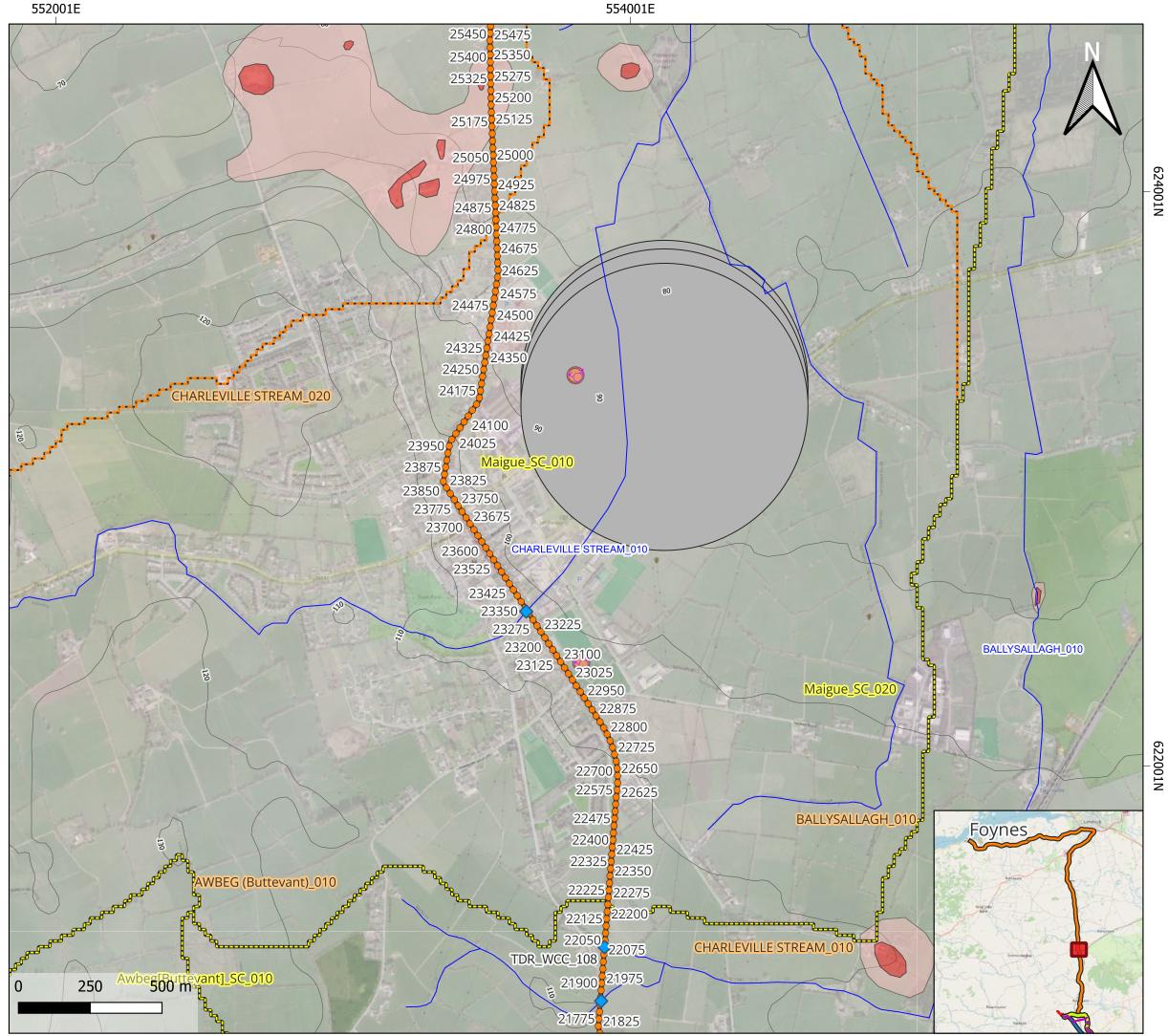




Project ID	604162
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References/Sources: Environmental Protectio Geological Services Ire Bing Aerial / GeoHive / Global Digital Elevation	land (GSÍ) Open Street Map / Google Roads









Legend

**Tullacondra Wind Farm** Water Course Crossings

**Turbine Delivery Route (TDR)** 

- 604162\_WFD\_Riverwaterbodies

IE\_GSI\_Karst\_Landforms\_40K\_IE32\_ITM

WFD\_RiverSubBasins\_Cycle3

25m Buffer Karst Features

IRL\_VULNERABILITY\_ITM

Wells 250m Buffer Total

10m Elevation Contours

604162

ITM

CCa

References/Sources: Environmental Protection Agency (EPA) Geological Services Ireland (GSI) Bing Aerial / GeoHive / Open Street Map / Google Roads Global Digital Elevation Model (GDEM)

20/11/2023

SK

Tullacondra WF, Co. Cork (TWF)

25m Intervals TDR1

WFD\_Subcatchments

TDR Option 1

TDR1 WCC

Constraints

Hydrology

Hydrogeology

K Spring

Groundwater

Wells polygons

Topography

**Base Layers** 

**Bing Aerial** 

**Project ID** 

Projection

Drawn by

Version

Reviwed by

Project Name

**OpenStreetMap** 

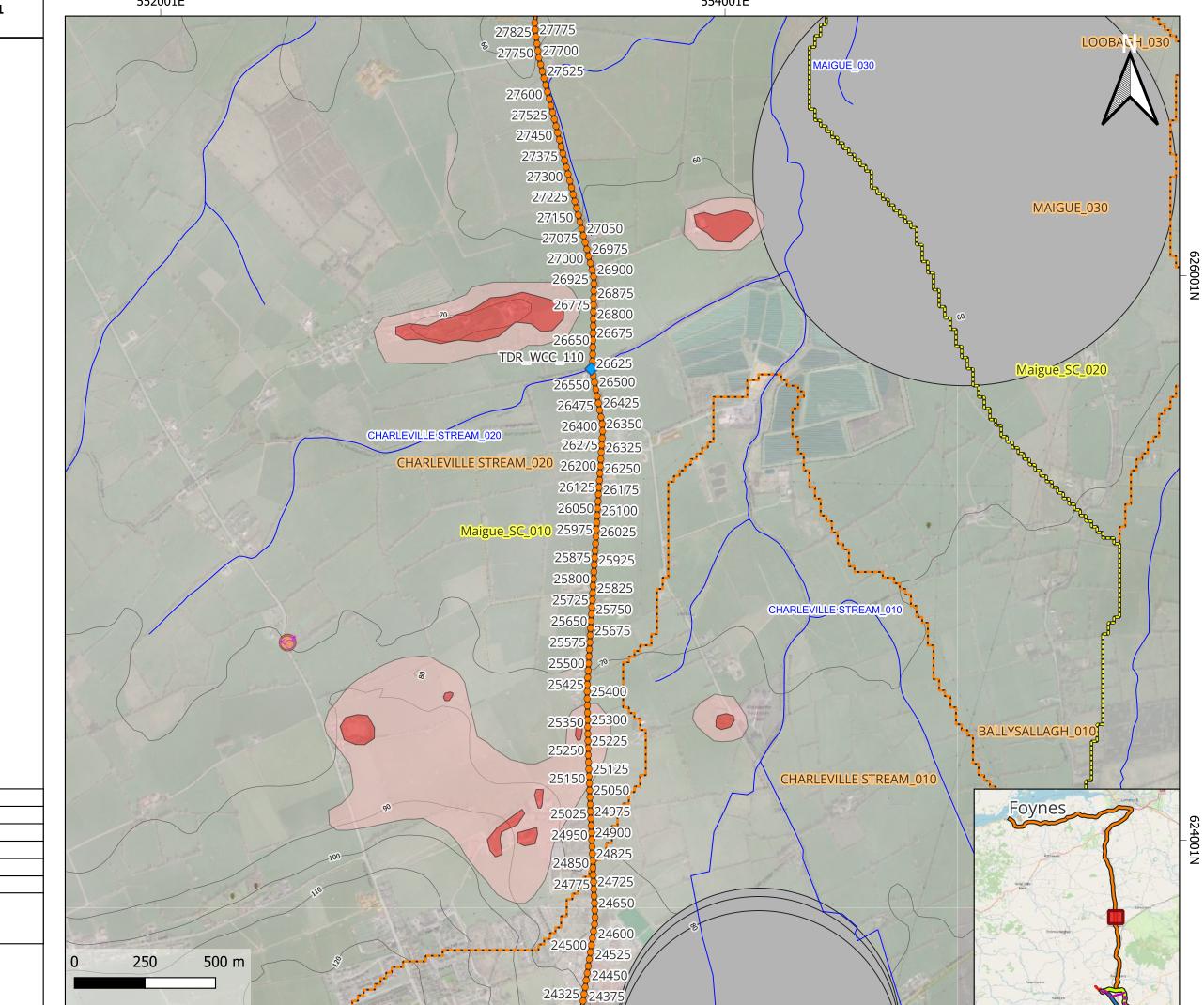
Wells1km 500B

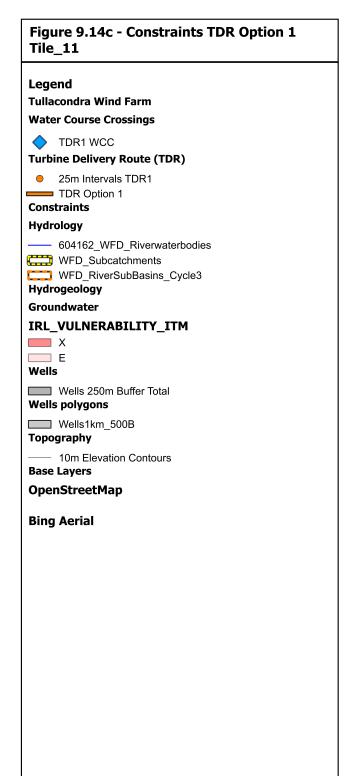
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E

Wells

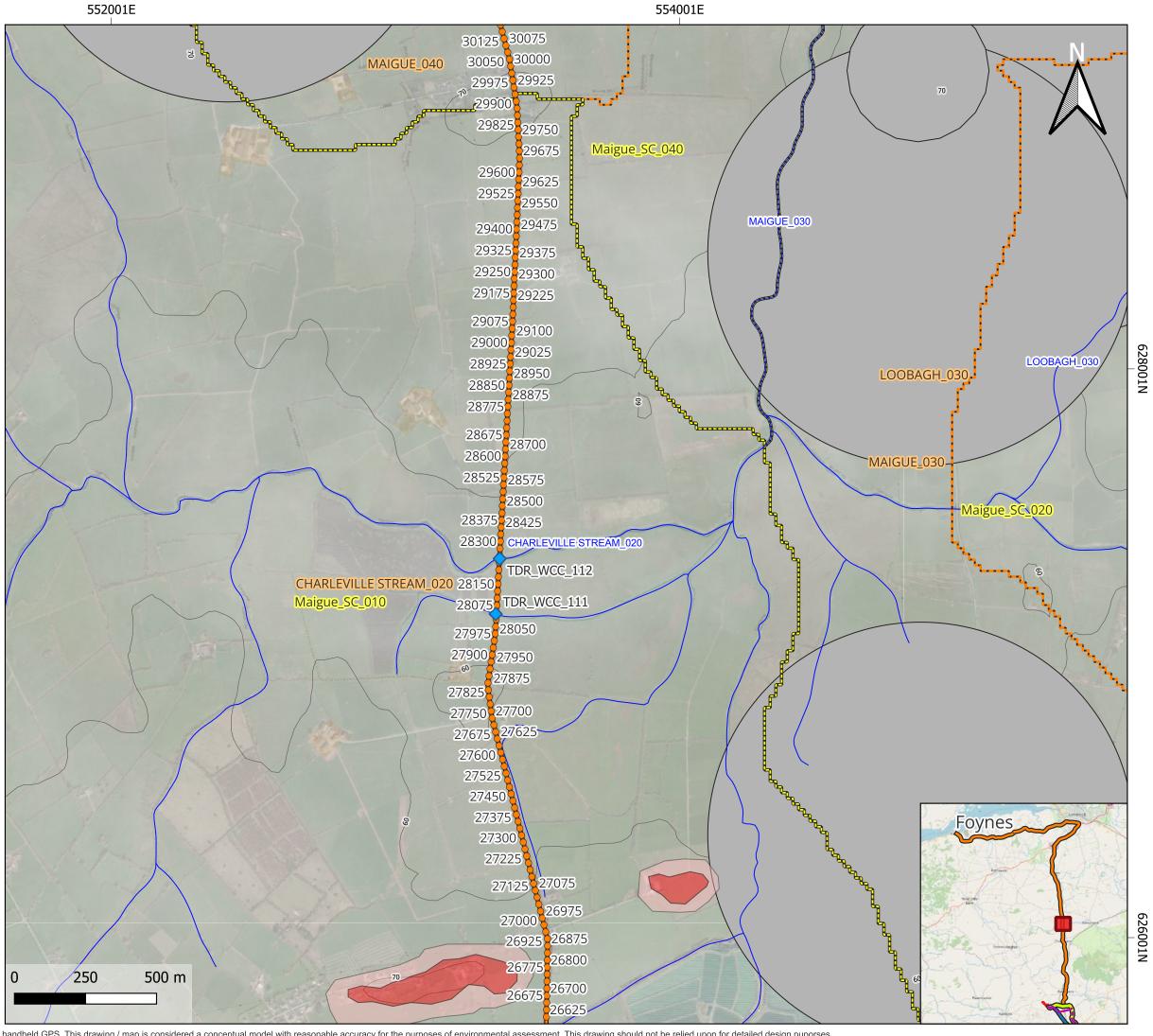
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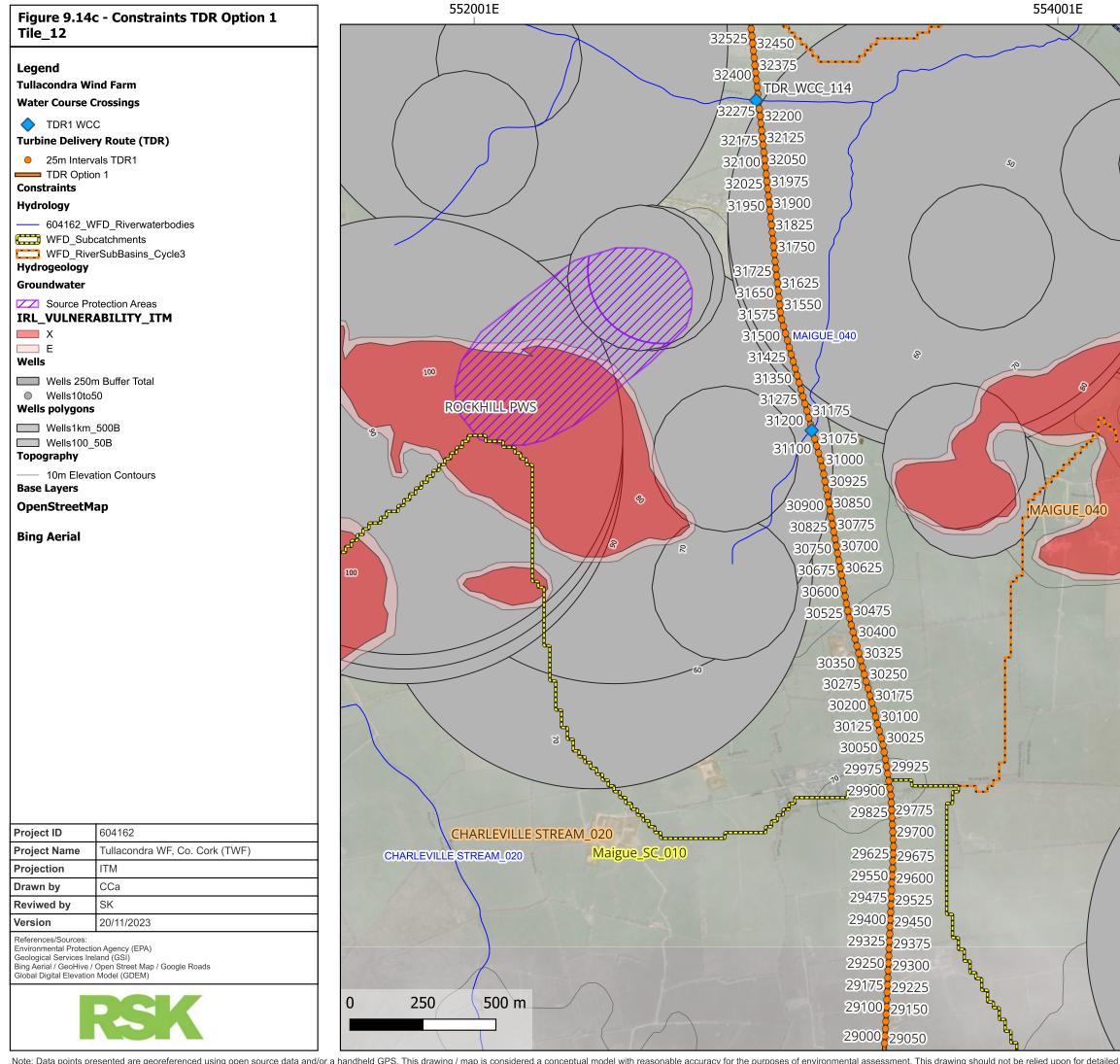


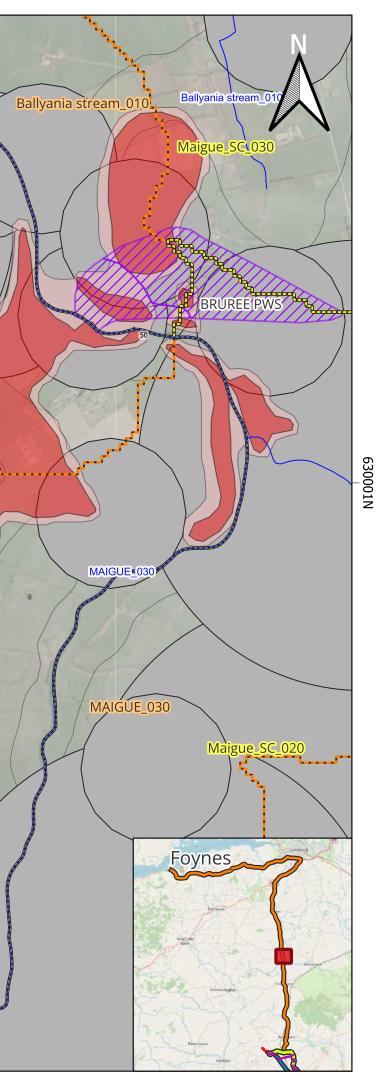


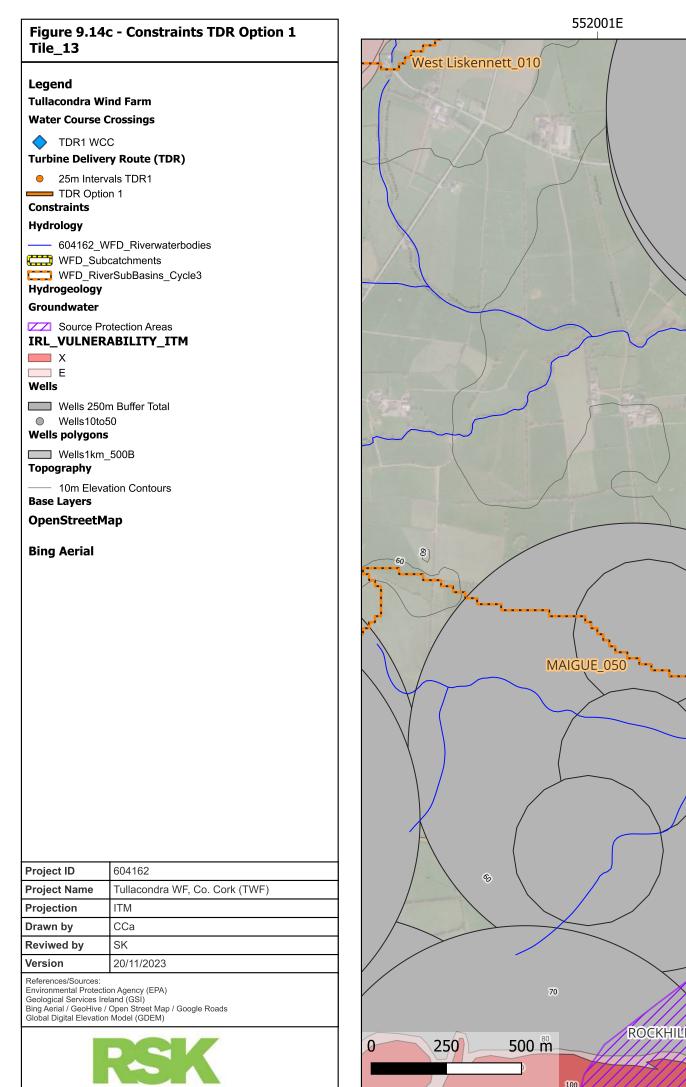
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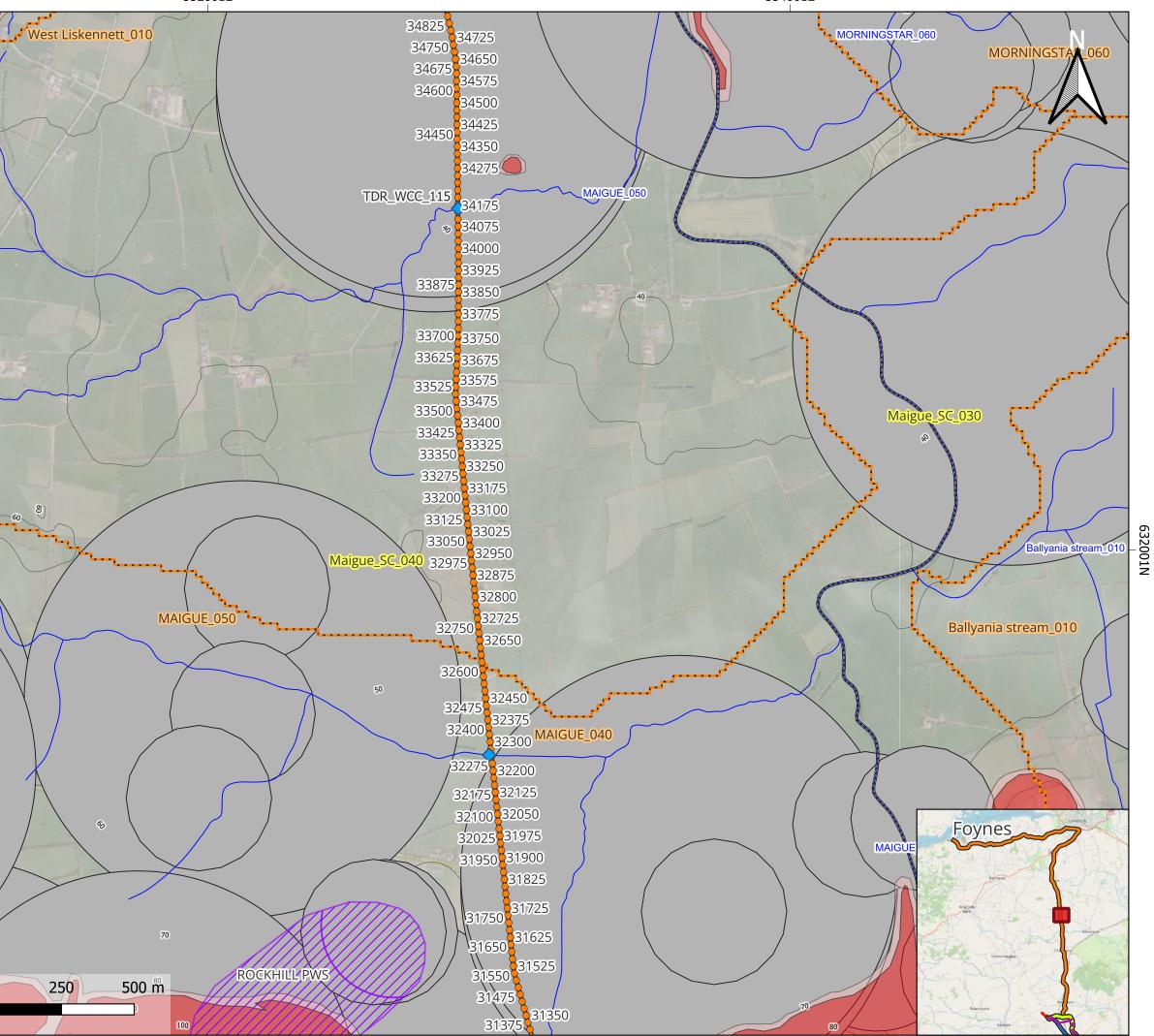












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