

Designated & Protected Areas WF and GCR

Legend

Project data Site data

Wind Farm Layout Temporary Road Widening Redline Boundary

TDR Haulage Route Turbine Delivery Route

Subcatchments (EPA) Cloon[Clare]_SC_010 Doonbeg_SC_010 Wood_SC_010

Designated Areas SPA 2023 (NPWS) SAC 2023 (NPWS)

Base layers Google satelite

OpenStreetMap

Project ID

Project Name

Reviewed by Version

Projection Drawn by

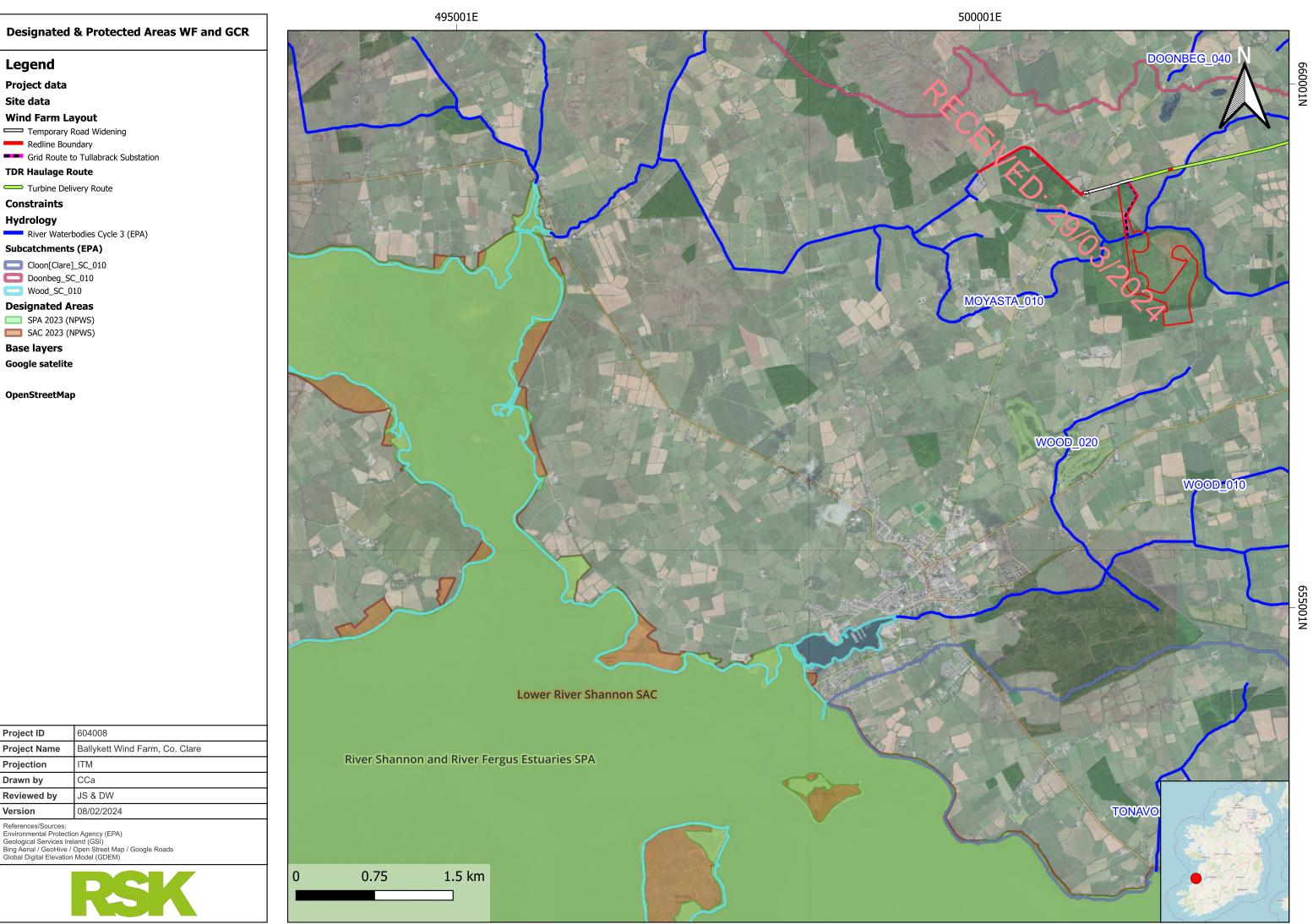
604008

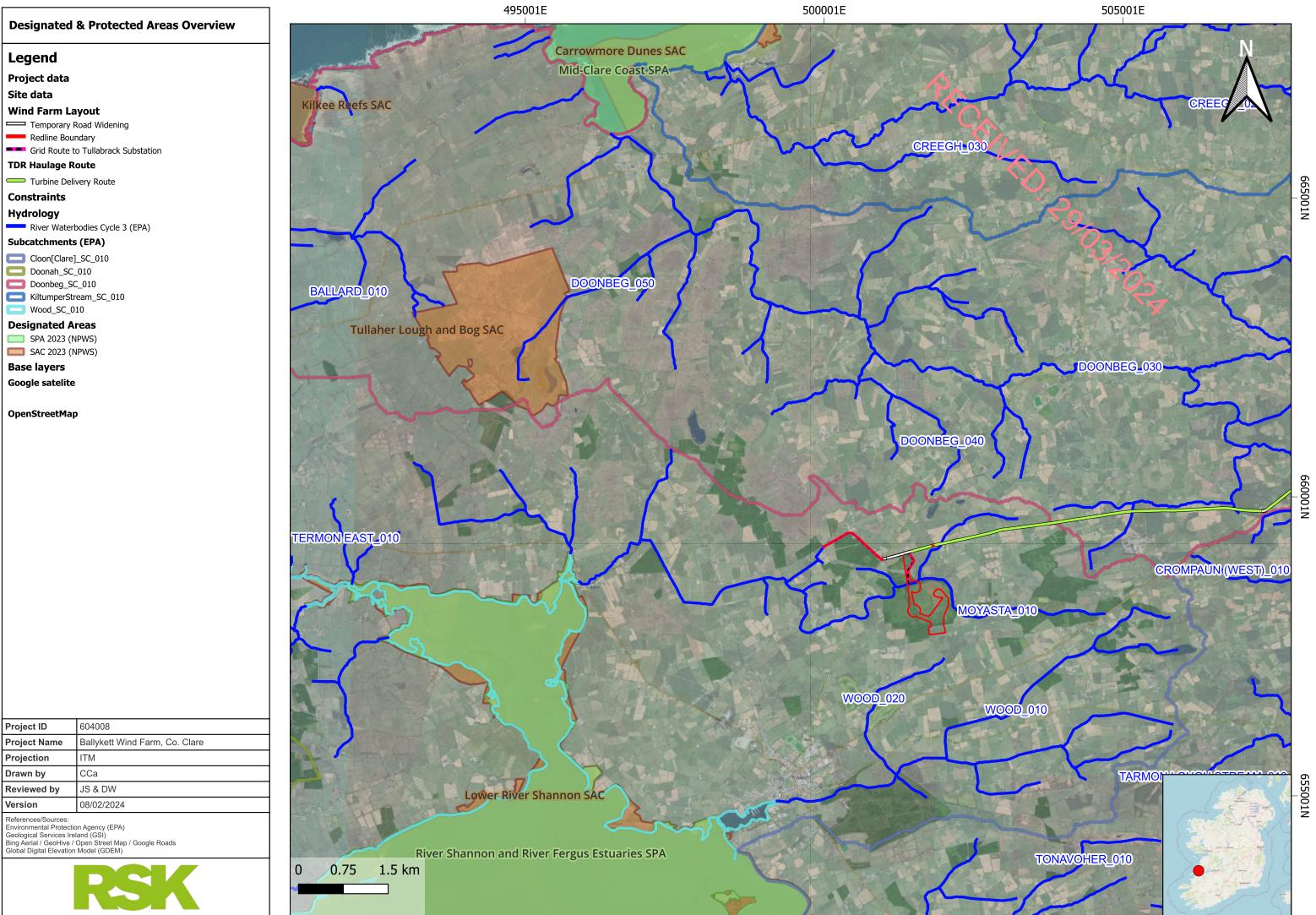
ITM

CCa JS & DW

08/02/2024

Constraints Hydrology





Legend

Project data

Site data

Wind Farm Layout

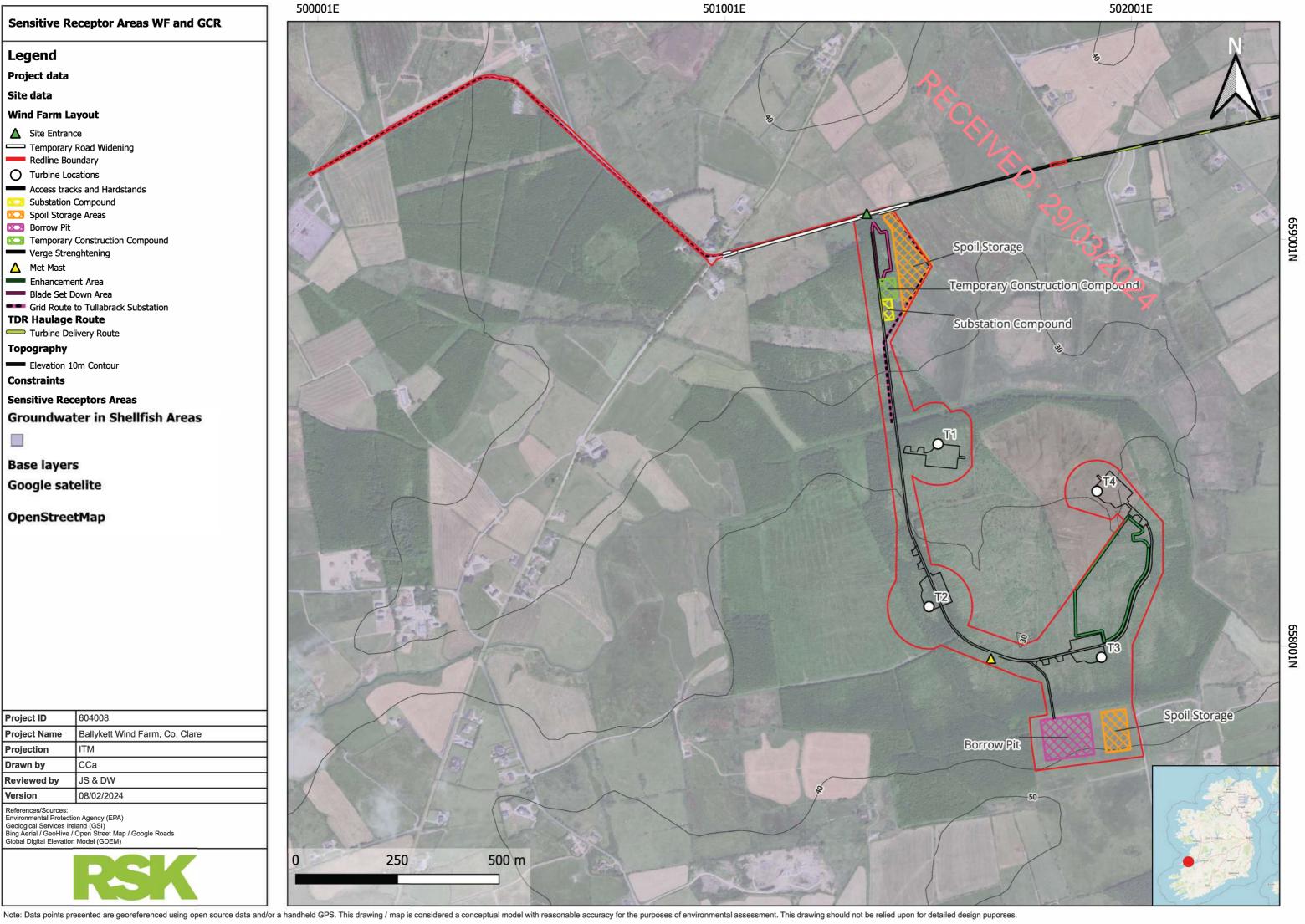
▲ Site Entrance Temporary Road Widening Redline Boundary O Turbine Locations Access tracks and Hardstands Substation Compound Spoil Storage Areas Borrow Pit **Temporary Construction Compound** Verge Strenghtening 🛆 Met Mast Enhancement Area Blade Set Down Area Grid Route to Tullabrack Substation **TDR Haulage Route** Turbine Delivery Route Topography Elevation 10m Contour Constraints **Sensitive Receptors Areas Groundwater in Shellfish Areas Base layers**

Google satelite

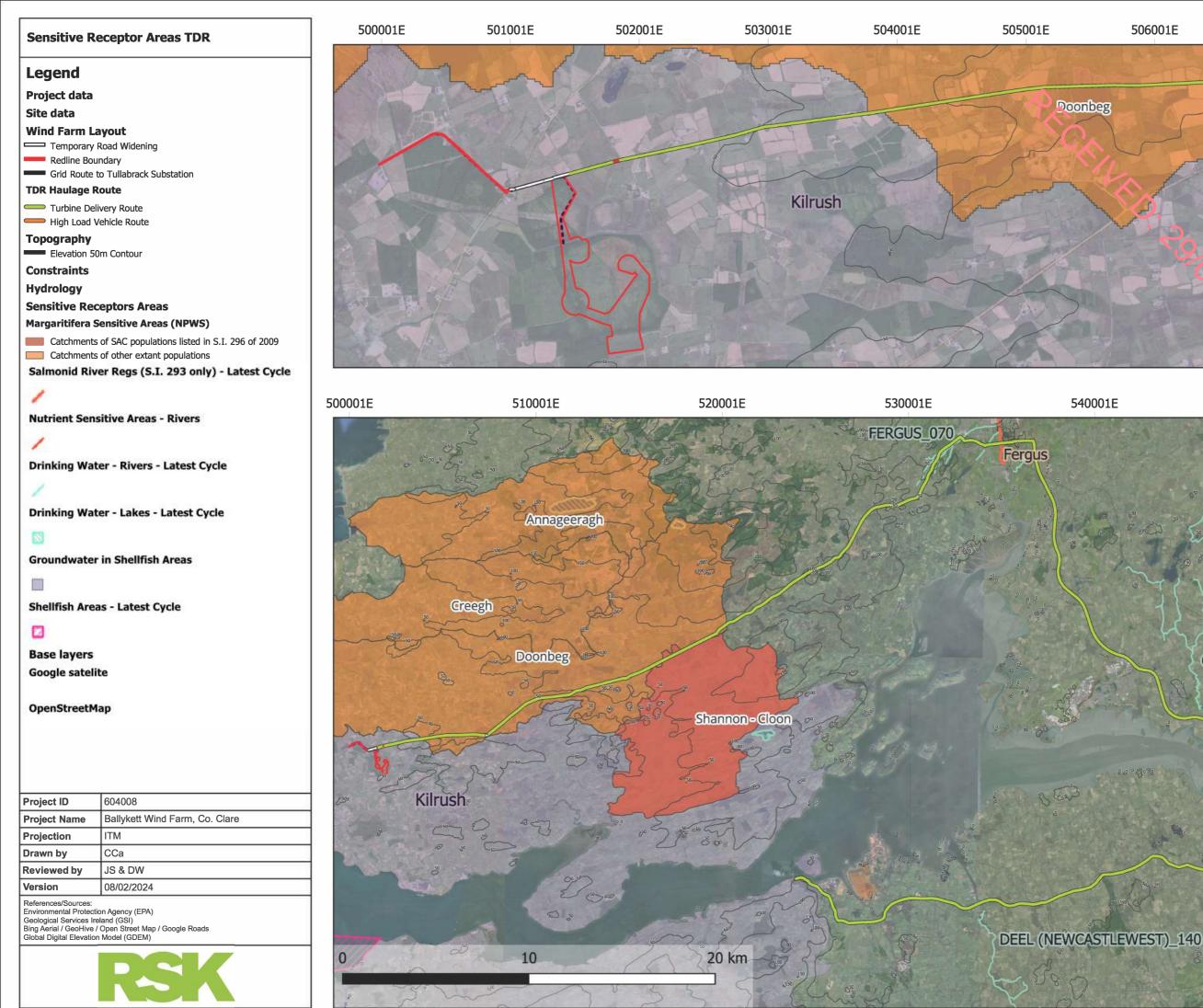
OpenStreetMap

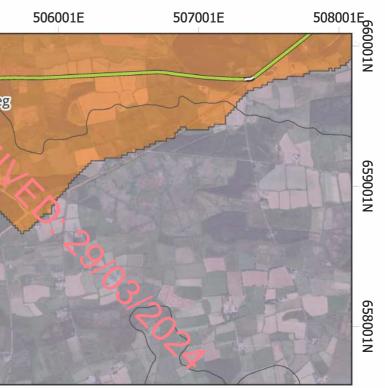
Project ID	604008
Project Name	Ballykett Wind Farm, Co. Clare
Projection	ITM
Drawn by	ССа
Reviewed by	JS & DW
Version	08/02/2024
References/Sources: Environmental Protection Agency (EPA) Geological Services Ireland (GSI) Bing Aerial / GeoHive / Open Street Map / Google Roads Global Digital Elevation Model (GDEM)	
DCK	





502001E





550001E



Legend

Project data

SW and WCCs

- Water Course Crossings
- Water Sampling Locations

Site data

Wind Farm Layout

- ▲ Site Entrance Temporary Road Widening Redline Boundary O Turbine Locations
- Access tracks and Hardstands
- Substation Compound
- Spoil Storage Areas
- Borrow Pit
- **Temporary Construction Compound** Verge Strenghtening
- 🛆 Met Mast
- Enhancement Area
- Blade Set Down Area
- Grid Route to Tullabrack Substation

TDR Haulage Route

Turbine Delivery Route

Drainage

Flow direction

Unmapped Drainage

- Existing Soil Berm
- Non-mapped Drainage (Inferred)
- Significant Non-mapped Drainage Features (Observed)
- 15m Buffer Unmapped Drainage

Forestry Drainage

- Oversaturated zone
- Forestry Drainage

B – Very Shallow (0.01-0.5 m) • C – Shallow (0.5-2.0 m) ● D – Moderately Deep (2.0-3.5m) ● E – Deep (3.5-5.0 m) Topography

Peat Data 2022-2023 • A – Rock (0.00-0.01 m)

Survey Result

10 m GDEM Contours

Constraints

Hydrology

- River Waterbodies Cycle 3 (EPA)
- Lake Segment (EPA) Surface Water 50m Buffer
- Lakes 50m Buffer

Hydrogeology

Groundwater

Well (GSI)

Wells1km_500B

Wells 250m Buffer Total **Groundwater Vulnerability**

1:40000 (GSI) **X**

E Subcatchments (EPA)

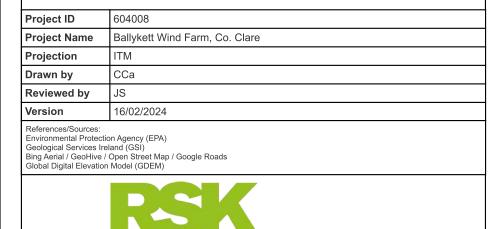
Wood_SC_010

River SubBasins Cycle 3 (EPA)

- MOYASTA_010
- WOOD_020
- **Base layers**

Google satelite

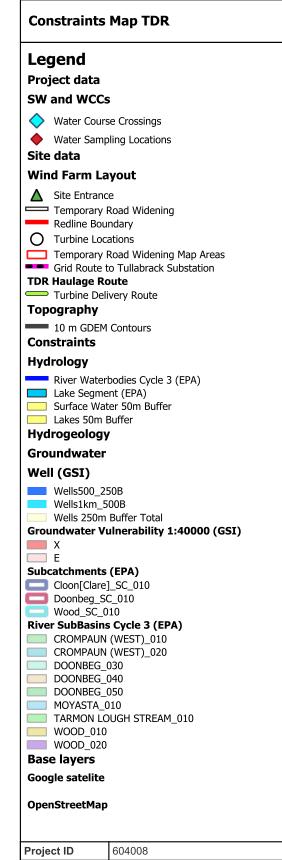
OpenStreetMap





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Појести	004000
Project Name	Ballykett Wind Farm, Co. Clare
Projection	ITM
Drawn by	ССа
Reviewed by	JS
Version	16/02/2024
References/Sources: Environmental Protection Agency (EPA) Geological Services Ireland (GSI) Bing Aerial / GeoHive / Open Street Map / Google Roads Global Digital Elevation Model (GDEM)	
DCL	



