



**Inchmore Wind Farm**  
 Inchmore, Co. Cork / Co. Kerry  
 Figure 8.5 (a) (01) Subsoils Wind Farm

- Legend**
- Development Layout**
- WF - Red Line 23
  - 230313 Site Layout
  - Turbine Locations
  - Site Entrances
  - Proposed Met Mast
  - Watercourse Crossings
  - Proposed Borrow Pits
  - Borrow Pit
  - Proposed Temporary Construction Compound
  - Proposed On-Site Substation
- UGC**
- Inchmore Grid Connection Route
- Delivery**
- Redline-250 Haul Road - 256-Polyline
  - Turbine Delivery Route
  - Redline-250 Haul Road - 256-Polyline
  - Turbine Delivery Route

- Geology**
- Mt - Marine ground
  - Mt - Marine ground
  - Mt - Beach sands
  - Mt - Marine Clays
  - Mt - Estuarine sediments (alluvial)
  - Mt - Raised beach sands and gravels
  - Mt - Sand
  - Mt - Marine silts
  - Rt - Estuary at surface
  - Rt - Raised Bog
  - Sc - Sand
  - Tv - Acid volcanic till
  - Tb - Basic igneous till
  - Tc - Chert till
  - TcCh - Chert and Carboniferous sandstone III
  - TCSs - Sandstone and shale III Cambrian/Precambrian
  - TCSd - Sandstone III Devonian/Carboniferous
  - TCSB - Sandstone and shales III Devonian/Carboniferous
  - Tm - Tidal Marsh
  - TDs - Sandstone III Devonian
  - Tp - Gravel till
  - TLPDs - Sandstone III Lower Palaeozoic/Devonian
  - TLP - Shale III Lower Palaeozoic
  - LPs - Sandstone III Lower Palaeozoic
  - TL - Limestone III Carboniferous
  - TM - Metamorphic till
  - TNSs - Till

Project ID: 604162 Inchmore Wind Farm  
 Projection: ITM  
 Drawn by: Camilla Casella  
 Reviewed by: Sven K.  
 Version: 28/03/2023 (01)

**References/Sources:**  
 Environmental Protection Agency (EPA)  
 Geological Services Ireland (GSI)  
 Bing Aerial / Geohive / Open Street Map / Google Roads  
 GSI Elevation Contours  
 Phase 1 (250m Grid Post Depth) - GreenSource

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 purposes.

Scale: 0 300 600 m




**Inchamore Wind Farm**  
 Inchamore, Co. Cork / Co. Kerry  
 Figure 8.5 (b) (01) Subsoils GCR

- Legend**
- Development Layout**
- WF Red Line 23
  - 230313 Site Layout
  - Turbine Locations
  - Site Entrances
  - Proposed Met Mast
  - Watercourse Crossings
  - Proposed Borrow Pits
  - Borrow Pit
  - Proposed Temporary Construction Compound
  - Proposed On-Site Substation
- UGC**
- Inchamore Grid Connection Route
  - HDD Crossings
- Delivery**
- Redline 250 Haul Road - 25G-Polyline
  - Turbine Delivery Route
  - Redline 250 Haul Road - 25E-Polyline
  - Turbine Delivery Route
- Geology**
- Subsoil**
- Mg - Made ground
  - Mn - Mire
  - Mb - Beach sands
  - Mi - Marine Clays
  - Mis - Estuarine sediments (silt/clays)
  - Misr - Raised beach sands and gravels
  - Mt - Mire silt
  - Msi - Marine silt
  - Rk - Backfill at surface
  - RuP - Raised Bog
  - S - Silt
  - Th - Acid volcanic tuff
  - Tb - Basalt igneous tuff
  - Tc - Chert tuff
  - TCSuCh - Chert and Carboniferous sandstone tuff
  - TCSuS - Sandstone and shale tuff Carboniferous/Precambrian
  - TCSu - Sandstone tuff Devonian/Carboniferous
  - TDCSuS - Sandstone and shales tuff Devonian/Carboniferous
  - TDM - Tidal Marsh
  - TCSu - Sandstone tuff Devonian
  - TGr - Granite tuff
  - TLPDS - Sandstone tuff Lower Palaeozoic/Devonian
  - TLPDS - Sandstone tuff Lower Palaeozoic
  - TLPDS - Sandstone tuff Lower Palaeozoic
  - TLPDS - Sandstone and shales tuff Devonian/Carboniferous
  - TLS - Limestone tuff Carboniferous
  - Tsp - Metamorphic tuff
  - TNSuS - Sandstone tuff

Project ID: 004162 Inchamore Wind Farm  
 Projection: ITM  
 Drawn by: Camilla Casella  
 Reviewed by: Sven K.  
 Version: 28/03/2023 (01)

**References/Sources:**  
 Environmental Protection Agency (EPA)  
 Geological Services Ireland (GSI)  
 Bing Aerial / Geolive / Open Street Map / Google Roads  
 GDEM Elevation Contours  
 Phase 1 (250m Grid Post Depth) - Greensource

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

Scale: 0 800 1,600 m



**Inchamore Wind Farm**  
 Inchamore, Co. Cork / Co. Kerry  
 Figure R 6 (a) (01) Landslide Risk & Events Wind Farm

**Legend**

**Development Layout**

- WF - Red Line 23
- 230313 Site Layout
- Turbine Locations
- Site Entrances
- Proposed Met Mast
- Watercourse Crossings
- Proposed Borrow Pits
- Proposed Temporary Construction Compound
- Proposed On-Site Substation
- BH location
- House Locations

**UGC**

- Inchamore Grid Connection Route
- HDD Crossings

**Delivery**

- Redline-250 Haul Road - 256-Polyline
- Turbine Delivery Route
- Redline-250 Haul Road - 256-Polyline
- Turbine Delivery Route

**Topography**

- 10 m GDEM Contours

**Geology**

**Clipped layer**

- Landslide Susceptibility
- High
- Low
- Low (Inferred)
- Moderately High
- Moderately Low

**Base Maps**


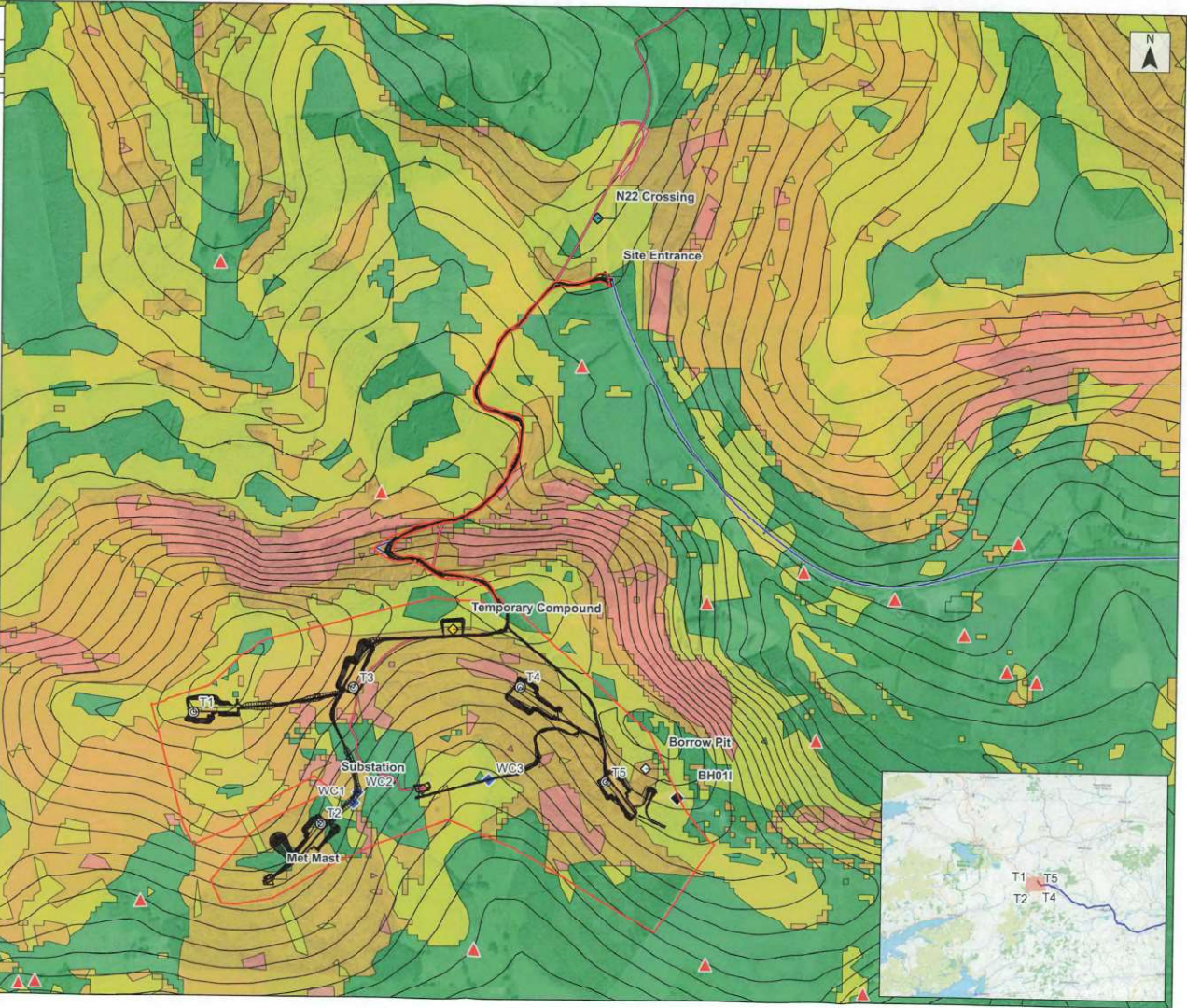
- Bing Aerial

Project ID: 604162 Inchamore Wind Farm  
 Projection: ITM  
 Drawn by: Sven K.  
 Reviewed by: Sven K.  
 Version: 13/04/2023

**References/Sources:**  
 Environmental Protection Agency (EPA)  
 Geological Services Ireland (GSI)  
 Bing Aerial / Google/Map / Open Street Map / Google Roads  
 GDEM Elevation Contours  
 Phase 1 (250m Grid Post Depth) - Greensource

Note: Data points presented are generalised using open source data and/or handheld GPS. This drawing / map is considered a conceptual representation and is not intended for the purpose of environmental assessment. This drawing should not be relied upon for detailed design purposes.

Scale: 0 200 400 m

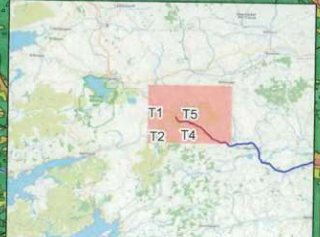
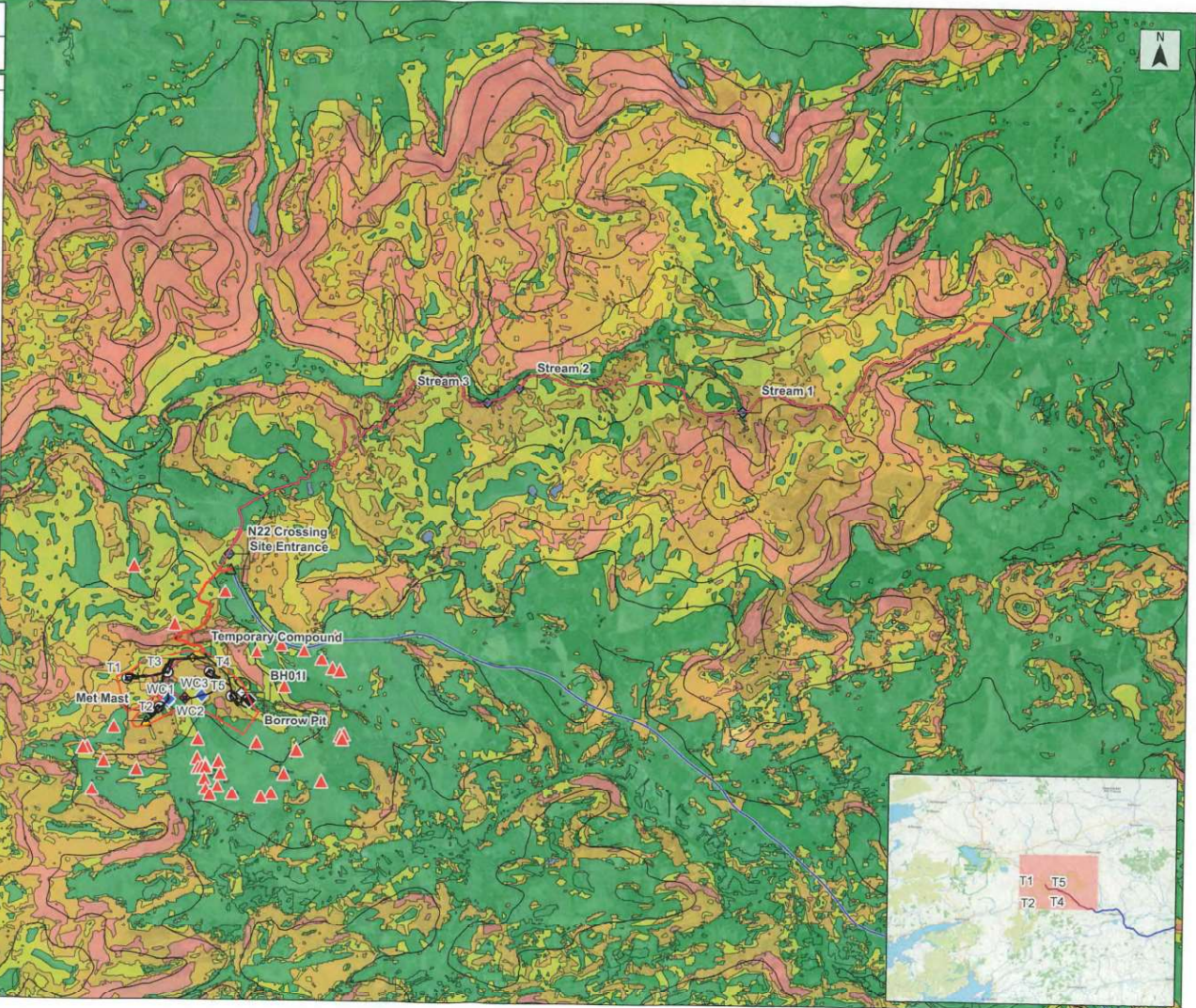
**Inchamore Wind Farm**  
 Inchamore, Co. Cork / Co. Kerry  
 Figure 8.6 (b) (01) Landslide Risk & Events GCR

- Legend**
- Development Layout**
- WF
  - Red Line 23
  - 230313 Site Layout
  - Turbine Locations
  - Site Entrances
  - Proposed Met Mast
  - Watercourse Crossings
  - Proposed Borrow Pits
  - Proposed Temporary Construction Compound
  - Proposed On-Site Substation
  - EH location
  - House Locations
- UGC**
- Inchamore Grid Connection Route
  - HDD Crossings
- Delivery**
- Redline-250 Haul Road - 256-Polyline
  - Turbine Delivery Route
  - Redline-250 Haul Road - 256-Polyline
  - Turbine Delivery Route
- Topography**
- 100m GDEM Contours
- Geology**
- Clipped layer**
- Landslide Susceptibility
  - High
  - Low
  - Low (inferred)
  - Moderately High
  - Moderately Low
  - Moderately Low (inferred)
  - Water
- Base Maps**
- Bing Aerial

Project ID: 604162 Inchamore Wind Farm  
 Projection: ITM  
 Drawn by: Sven K.  
 Reviewed by: Sven K.  
 Version: 13/04/2023

**References/Sources:**  
 Environmental Protection Agency (EPA)  
 Geological Services Ireland (GSI)  
 Bing Aerial / Google / Open Street Map / Google Roads  
 GDEM Elevation Contours  
 Phase 1 (250m Grid Post Depth - GreenSource)  
 Note: Data sources presented are generalised 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 purposes.

Scale: 0 1.08 2.16 km



**Inchamore Wind Farm**  
 Inchamore, Co. Cork / Co. Kerry  
 Figure 8.7 (01) Geo-Hazards Constraints  
 Map Wind Farm

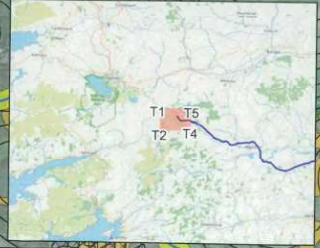
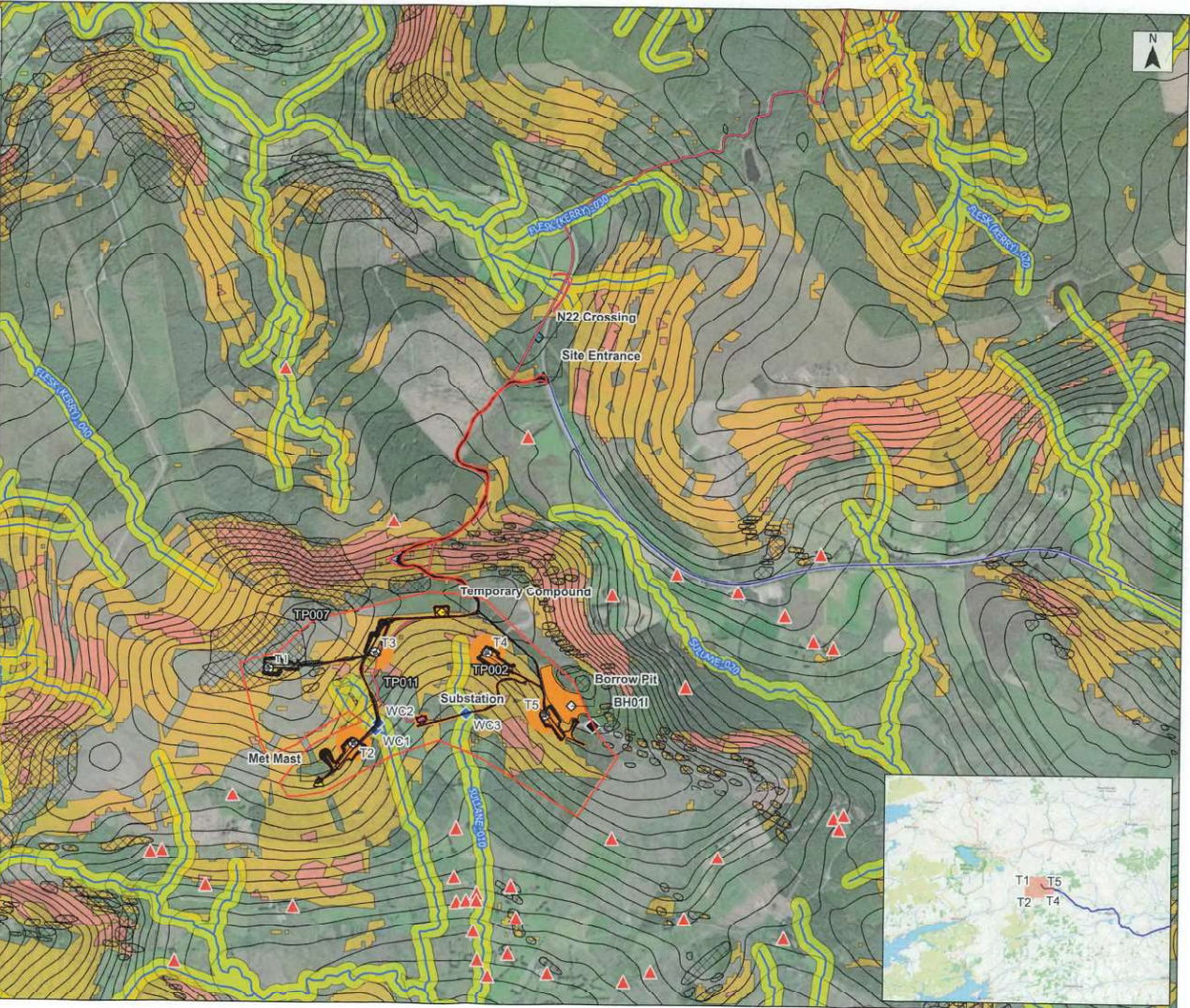
- Legend**
- Development Layout**
- WF - Red Line 23
  - 230313 Site Layout
  - Turbine Locations
  - Site Entrances
  - Proposed Met Mast
  - Watercourse Crossings
  - Proposed Borrow Pits
  - Proposed Temporary Construction Compound
  - Proposed On-Site Substation
  - EH location
  - House Locations
  - Tree Felling - ST Layout
- UGC**
- Inchamore Grid Connection Route
  - HDD Crossings
- Delivery**
- Redline-250 Haul Road - 256-Polyline
  - Turbine Delivery Route
  - Redline-250 Haul Road - 256-Polyline
  - Turbine Delivery Route
- Hydrology**
- WFD\_River/Waterbodies/Active
  - 50m RW Buffer
- Topography**
- 10 m GDEM Contours
  - Bedrock Outcrop (GS)
  - Bedrock Outcrop Observed
- Geology**
- Landslide Susceptibility**
- High
  - Moderately High
- 3188-A2-TWF-ST Trial Pit Data
- Yes, Iron Pan Present
- Base Maps**
- ing Aerial

Project ID: 604162 Inchamore Wind Farm  
 Projection: ITM  
 Drawn by: Sven K.  
 Reviewed by: Sven K.  
 Version: 13/04/2023

**References/Sources:**  
 Environmental Protection Agency (EPA)  
 Geological Services Ireland (GSI)  
 Bing Aerial / Geovive / Open Street Map / Google Roads  
 GDEM Elevation Contours  
 Phase 1 (250m Grid Post Depth) - Greensource

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

Scale: 0 400 800 m



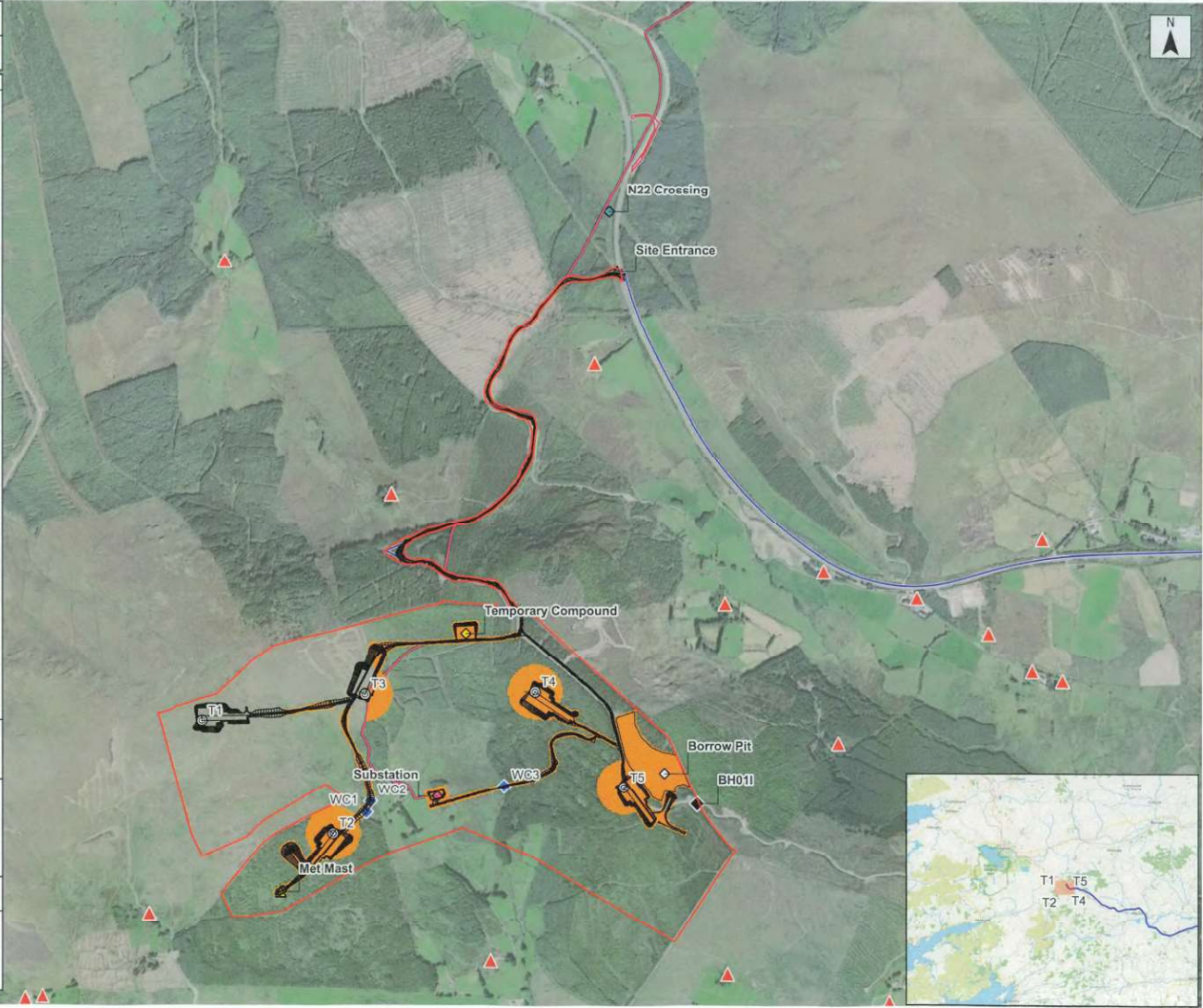
**Inchamore Wind Farm**  
 Inchamore, Co. Cork / Co. Kerry  
 Figure 9.1(a) (00) Site Location & Layout  
 Wind Farm

- Development Layout**
- WF
  - Red Line 23
  - 230313 Site Layout
  - Turbine Locations
  - Site Entrances
  - Proposed Met Mast
  - Watercourse Crossings
  - Proposed Borrow Pits
  - Proposed Temporary Construction Compound
  - Proposed On-Site Substation
  - BH location
  - House Locations
  - Tree Felling - ST Layout
  - UGC
  - Inchamore Grid Connection Route
  - HDD Crossings
  - fy
  - Jline-250 Haul Road - 256-Polyline
  - urbine Delivery Route
  - Redline-250 Haul Road - 256-Polyline
  - Turbine Delivery Route
- Base Maps**
- Bing Aerial

Project ID: 604162 Inchamore Wind Farm  
 Projection: ITM  
 Drawn by: Sven K.  
 Reviewed by: Sven K.  
 Version: 13/04/2023

**References/Sources:**  
 Environmental Protection Agency (EPA)  
 Geological Services Ireland (GSI)  
 Bing Aerial / Google / Open Street Map / Google Roads  
 GDEM Elevation Contours  
 Phase 1 (250m Grid Mast Depth - GreenSource)  
 Notes: Data solely 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 purposes.

Scale: 0 200 400 m



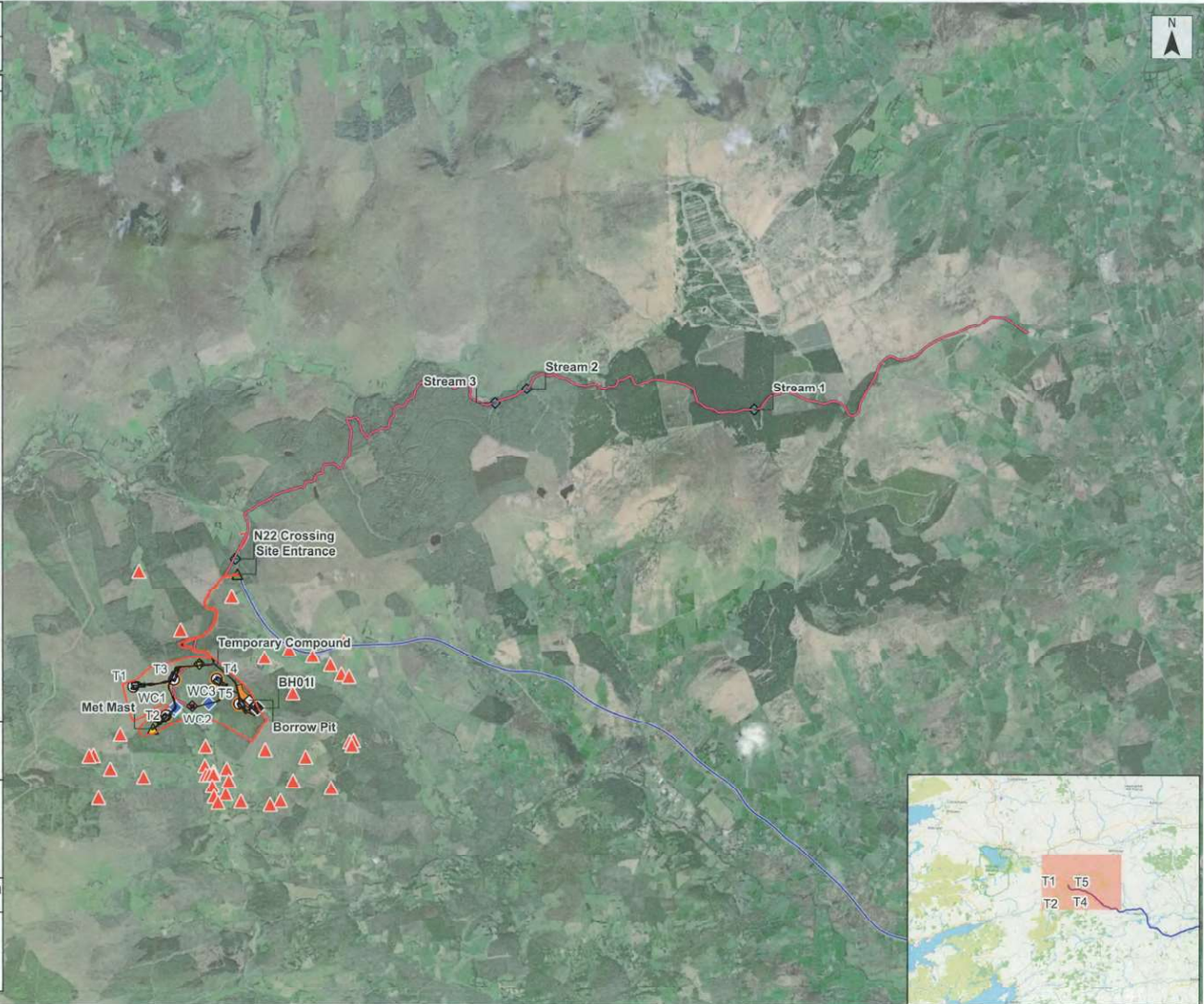
**Inchamore Wind Farm**  
 Inchamore, Co. Cork / Co. Kerry  
 Figure 9.1(b) (01) Site Location & Layout  
 GCR

- Development Layout**
- WF
  - Red Line 23
  - 230313 Site Layout
  - Turbine Locations
  - Site Entrances
  - Proposed Met Mast
  - Watercourse Crossings
  - Proposed Borrow Pits
  - Proposed Temporary Construction Compound
  - Proposed On-Site Substation
  - BH location
  - House Locations
- UGC**
- Inchamore Grid Connection Route
  - HDD Crossings
- Delivery**
- rdline-250 Haul Road - 256-Polyline
  - rdline Delivery Route
  - redline-250 Haul Road - 256-Polyline
  - Turbine Delivery Route
- Base Maps**
- Bing Aerial

Project ID: 604162 Inchamore Wind Farm  
 Projection: ITM  
 Drawn by: Sven K.  
 Reviewed by: Sven K.  
 Version: 13/04/2023

**References/Sources:**  
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 Geological Services Ireland (GSI)  
 Bing Aerial / Google / Open Street Map / Google Roads  
 GDEM Elevation Contours  
 Phase 1 (250m Grid Peak Depth - GreenSource)

Scale: 0 1.08 2.16 km





**Inchamore Wind Farm**  
 Inchamore, Co. Cork / Co. Kerry  
 Figure 9.2(a) (01) Surface Water Network  
 Wind Farm

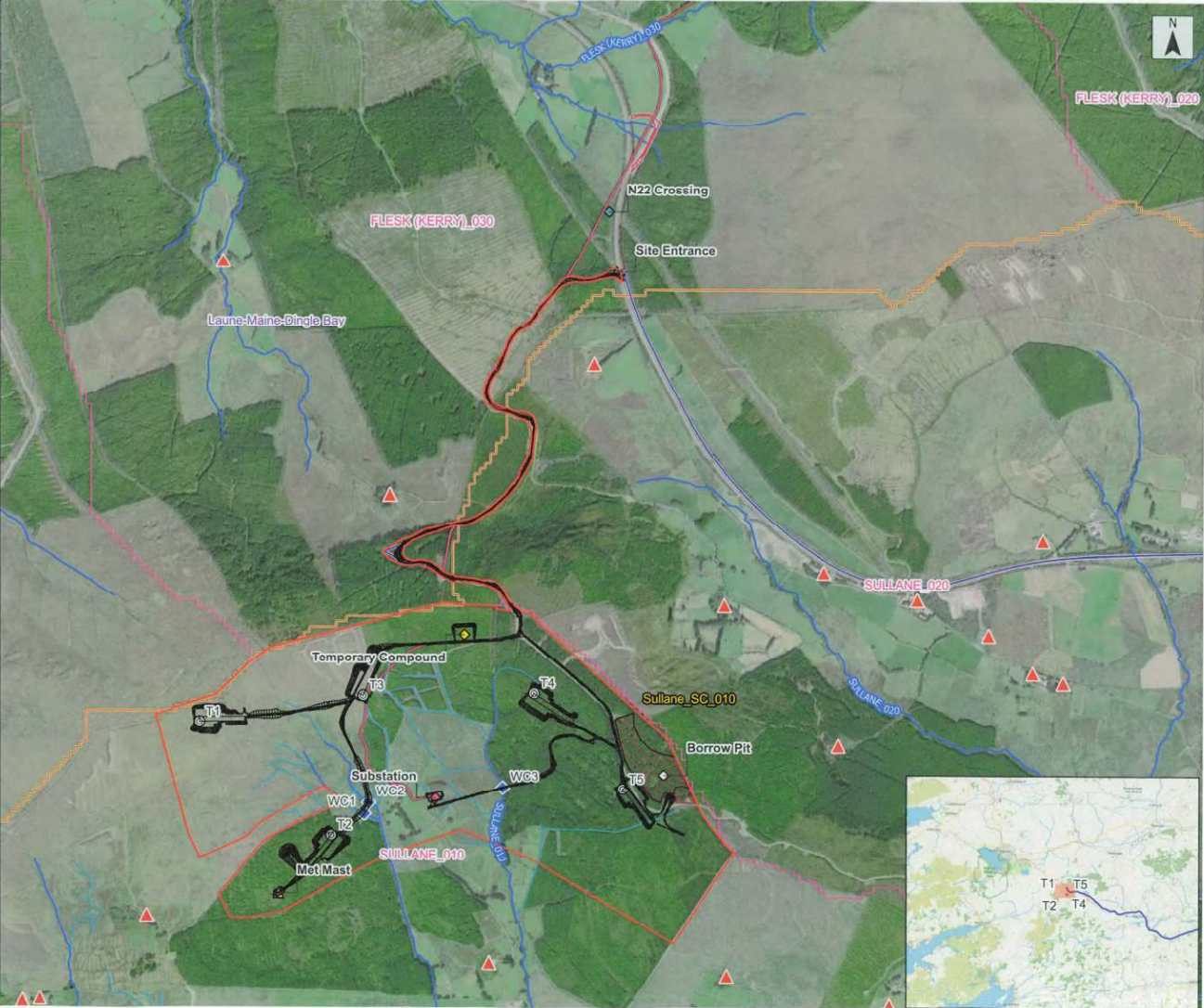
- Legend**
- Development Layout**
    - WF
    - Red Line 23
    - 23013 Site Layout
    - Turbine Locations
    - Site Entrances
    - Proposed Met Mast
    - Watercourse Crossings
    - Proposed Borrow Pits
    - Borrow Pit
    - Proposed Temporary Construction Compound
    - Proposed On-Site Substation
    - House Locations
  - UGC**
    - Inchamore Grid Connection Route
    - HDD Crossings
  - Delivery**
    - Redline-250 Haul Road - 256-Polyline
    - Turbine Delivery Route
    - Jilne-250 Haul Road - 256-Polyline
    - bine Delivery Route
  - Hydrology**
    - WFD\_RiverWaterbodiesActive\_Cycle3
    - A1&A2\_Existing Drainage
  - Catchments**
    - WFD\_Catchments
    - WFD\_Subcatchments
    - WFD\_RiverSubBasins
  - Base Maps**
    - Bing Aerial
    - OpenStreetMap

Project ID: 604162 Inchamore Wind Farm  
 Projection: ITM  
 Drawn by: Sven K.  
 Reviewed by: Sven K.  
 Version: 21/09/2022

**References:**  
 Environmental Protection Agency (EPA)  
 Geological Services Ireland (GSI)  
 Bing Aerial / OpenStreetMap / Google Roads  
 GDEM Elevation Contours  
 Phase 1 (250m Grid Peak Depth - GreenSource)

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 purposes.

Scale: 0 0.27 0.54 km



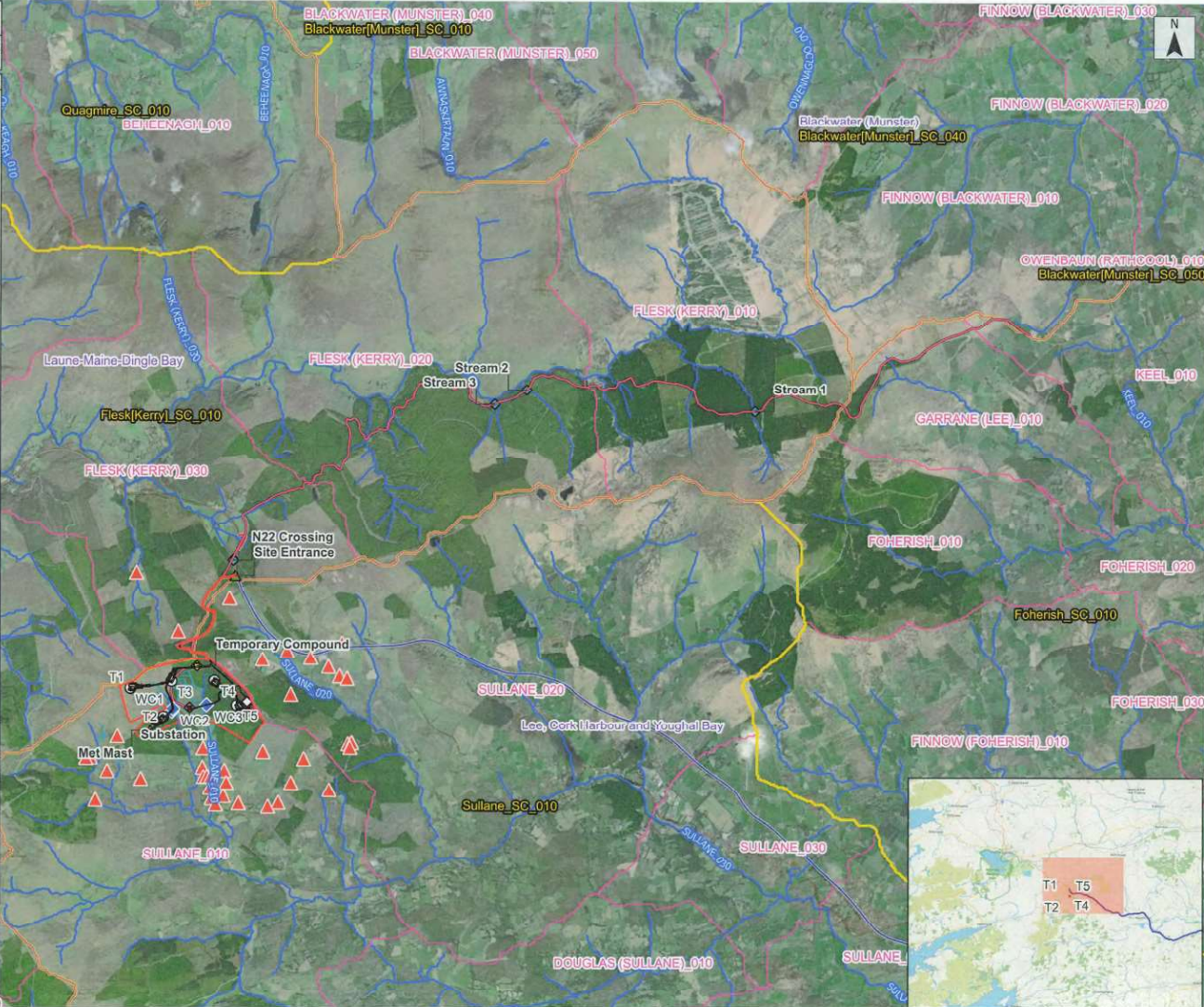
**Inchamore Wind Farm**  
 Inchamore, Co. Cork / Co. Kerry  
 Figure 9.2(b) (01) Surface Water Network  
 GCR

- Legend
- Development Layout
- WF
- Red Line 23
- 230313 Site Layout
- Turbine Locations
- Site Entrances
- Proposed Met Mast
- Watercourse Crossings
- Proposed Borrow Crossings
- Borrow Pit
- Proposed Temporary Construction Compound
- Proposed On-Site Substation
- House Locations
- SC
- Inchamore Grid Connection Route
- HDD Crossings
- Delivery
- Redline-250 Haul Road - 256-Polyline
- Turbine Delivery Route
- Redline-250 Haul Road - 256-Polyline
- Turbine Delivery Route
- FD\_RiverWaterbodiesActive\_Cycle3
- WFD\_Subcatchments
- WFD\_RiverSubbasins
- Base Maps
- Bing Aerial
- OpenStreetMap

Project ID: 604162 Inchamore Wind Farm  
 Projection: ITM  
 Drawn by: Sven K.  
 Reviewed by: Sven K.  
 Version: 21/09/2022

References:  
 Environmental Protection Agency (EPA)  
 Geological Services Ireland (GSI)  
 Bing Aerial / Google / Open Street Map / Google Roads  
 GDEM Elevation Contours  
 Phase 1 (250m Grid Peak Depth - GreenSource)  
 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 purposes.

Scale: 0 1.08 2.16 km



**Inchamore Wind Farm**  
 Inchamore, Co. Cork / Co. Kerry  
 Figure 9.3(a) (01) WFD Status Wind Farm

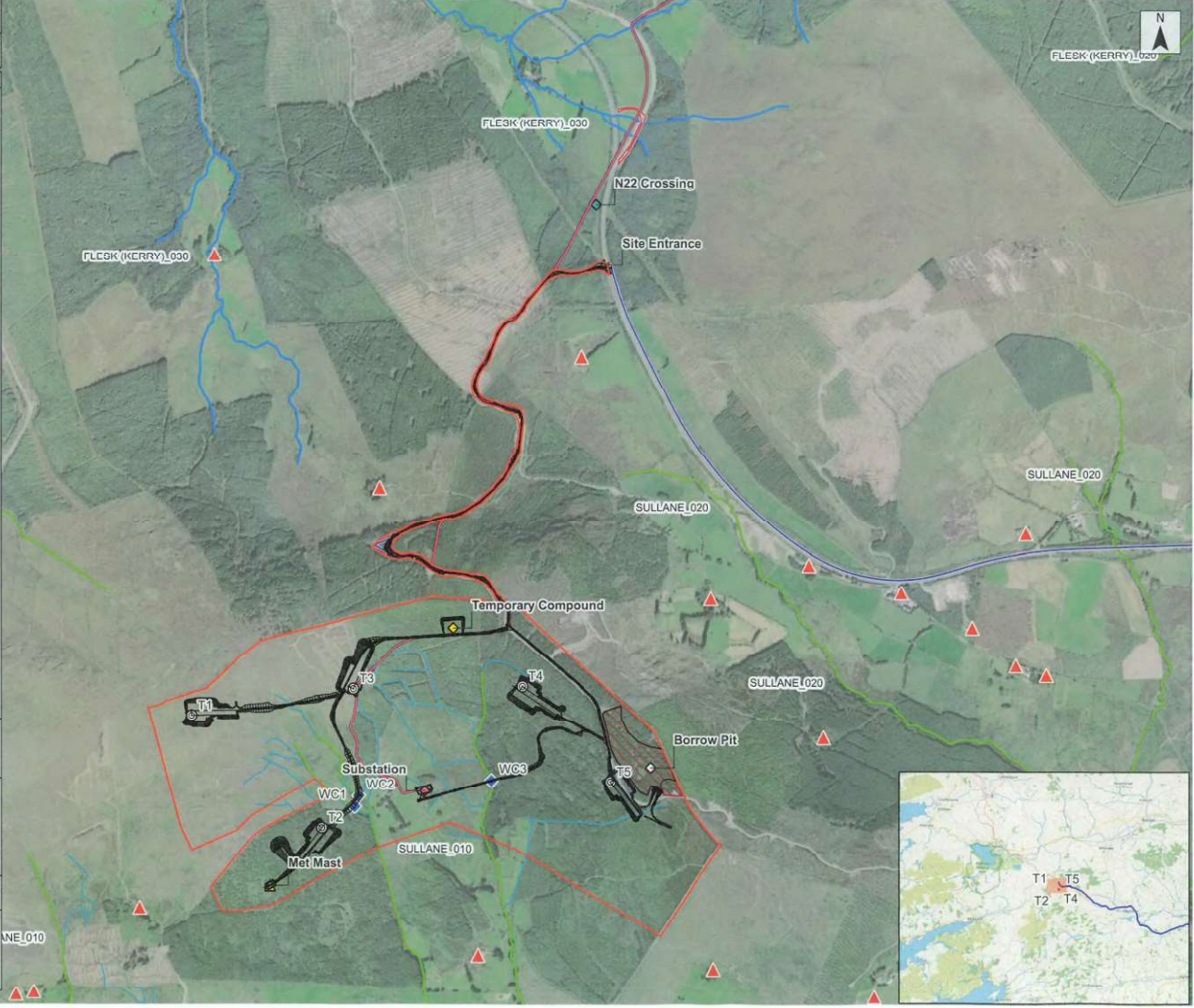
- Legend**
- Development Layout
  - WF
  - Red Line 23
  - 230313 Site Layout
  - Turbine Locations
  - Site Entrances
  - Proposed Met Mast
  - Watercourse Crossings
  - Proposed Borrow Pits
  - Borrow Pit
  - Proposed Temporary Construction Compound
  - Proposed On-Site Substation
  - House Locations
  - UGC
  - Inchamore Grid Connection Route
  - HDD Crossings
  - Delivery
  - Kedine-250 Haul Road - 250-Polyline
  - Turbine Delivery Route
  - Redline-250 Haul Road - 256-Polyline
  - Subline Delivery Route
  - 250
  - A18&2\_Existing Drainage
  - River Waterbody WFD Status 2016-2021
  - Base Maps
  - Bing Aerial

Project ID: 604162 Inchamore Wind Farm  
 Projection: ITM  
 Drawn by: Sven K.  
 Reviewed by: Sven K.  
 Version: 21/09/2022

**References/Sources:**  
 Environmental Protection Agency (EPA)  
 Geological Services Ireland (GSI)  
 Bing Aerial / GeoPlace / Open Street Map / Google Roads  
 CSDEM Elevation Contours  
 Phase 1 (250m Grid Peat Depth - Greensource)

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

Scale: 0 0.27 0.54 km



**Inchamore Wind Farm**  
 Inchamore, Co. Cork / Co. Kerry  
 Figure 9.3(b) (01) WFD Status GCR

**Legend**

**Development Layout**

- Red Line Z3
- Z30313 Site Layout
- Turbine Locations
- Site Entrances
- Proposed Met Mast
- Watercourse Crossings
- Proposed Borrow Pits
- Borrow Pit
- Proposed Temporary Construction Compound
- Proposed On-Site Substation
- House Locations

**UGC**

- Inchamore Grid Connection Route
- HDD Crossings

**Delivery**

- Redline-250 Haul Road - 256-Polyline
- Turbine Delivery Route
- Subline-250 Haul Road - 256-Polyline
- irbine Delivery Route

**Hydrology**

A16A2\_Existing Drainage

River Waterbody WFD Status 2016-2021

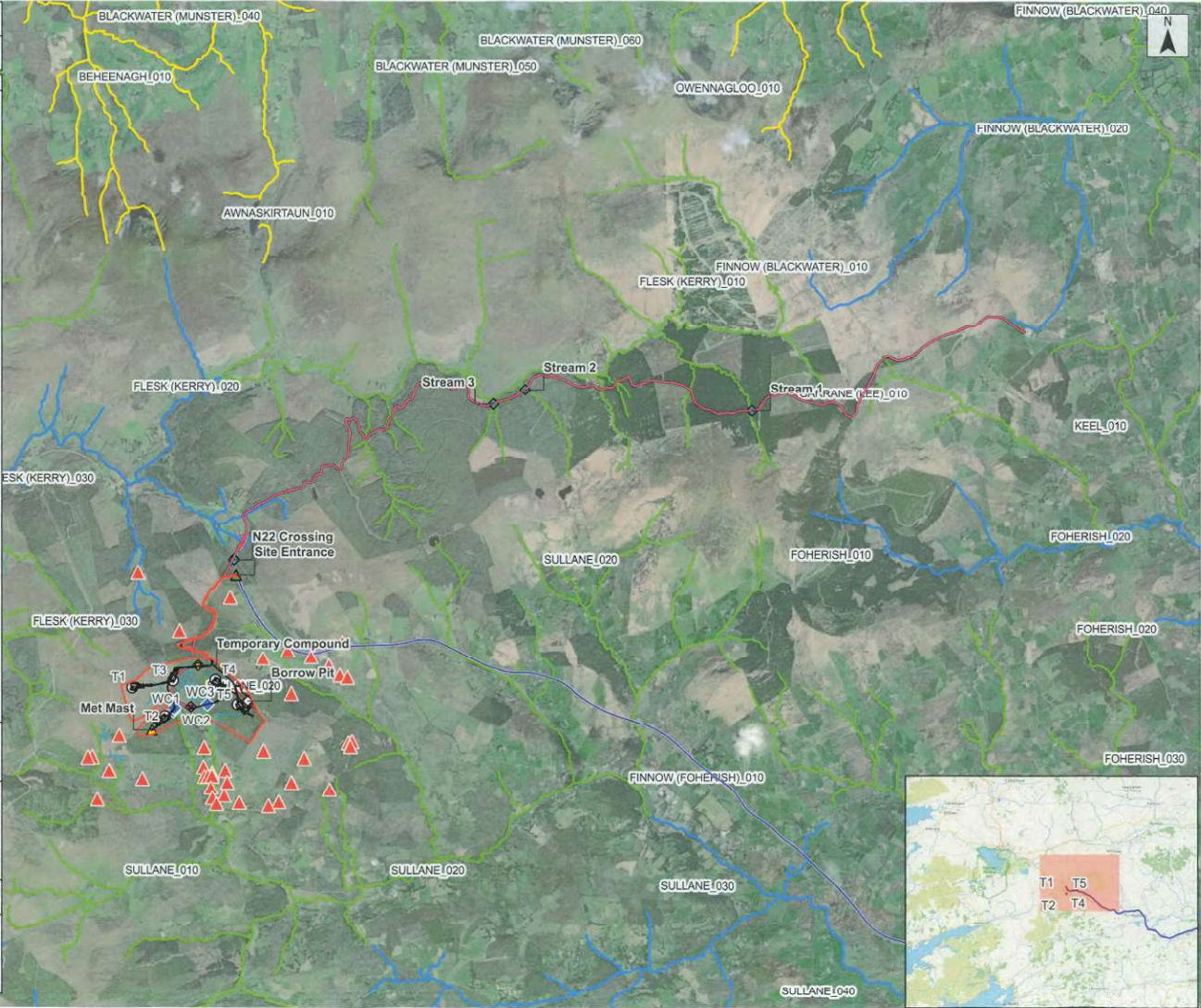
- High
- Good
- Moderate
- Poor
- Bad
- Unassigned

**Project ID:** 604162 Inchamore Wind Farm  
**Projection:** ITM  
**Drawn by:** Sven K.  
**Reviewed by:** Sven K.  
**Version:** 21/09/2022

**References/Sources:**  
 Environmental Protection Agency (EPA)  
 Geological Services Ireland (GSI)  
 Bing Aerial / Google/ / Open Street Map / Google Roads  
 GDEM Elevation Contour  
 Phase 1 (250m Grid Peak Depth - Greensource)

Note: Data points presented are geospatial 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 purposes.

**Scale:** 0 1.08 2.16 km

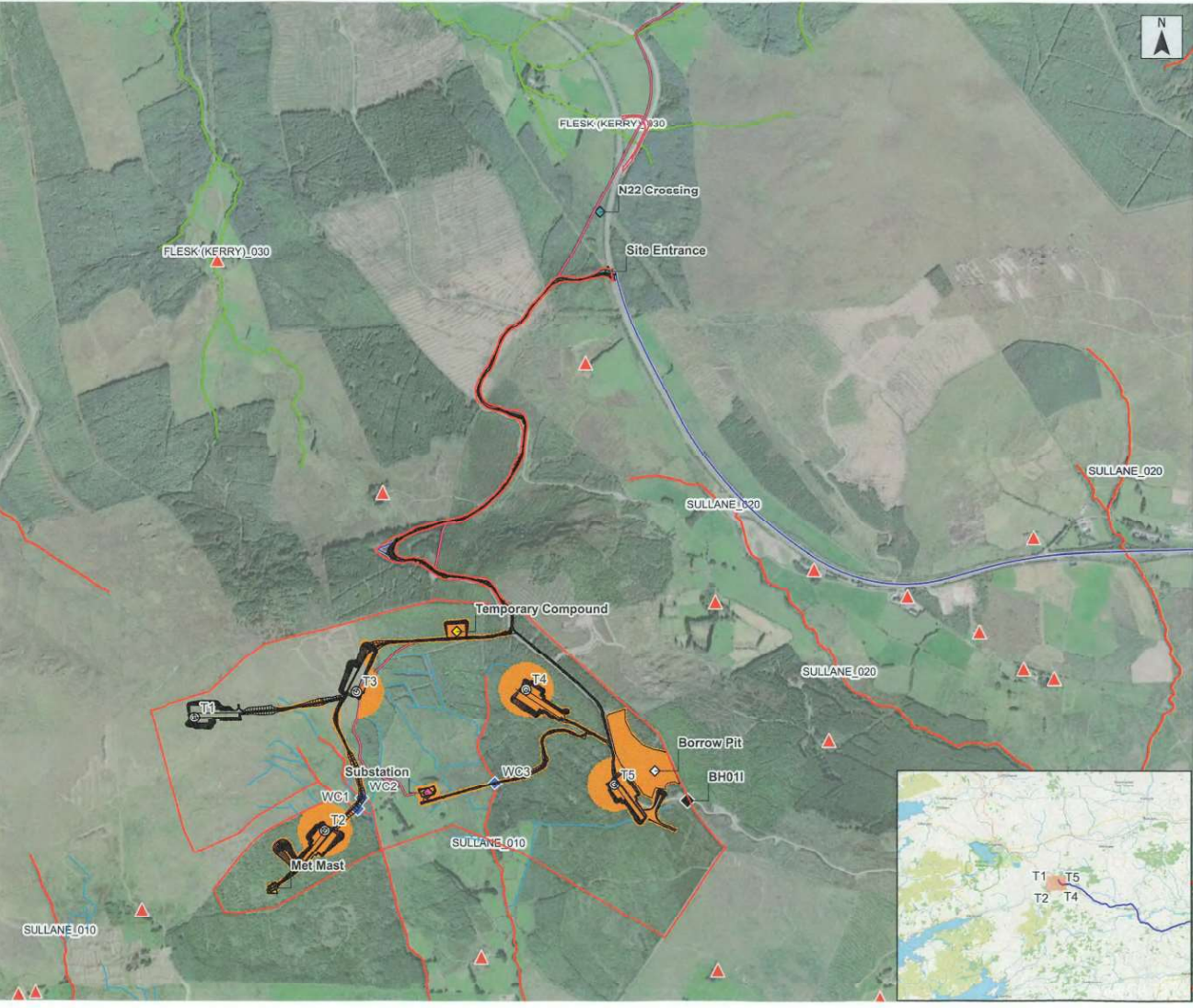
**Inchamore Wind Farm**  
 Inchamore, Co. Cork / Co. Kerry  
 Figure 9.4 (a) (01) WFD Risk Wind Farm

- Legend**
- Development Layout**
- WF
  - Red Line 23
  - 230313 Site Layout
  - Turbine Locations
  - Site Entrances
  - Proposed Met Mast
  - Watercourse Crossings
  - Proposed Borrow Pits
  - Proposed Temporary Construction Compound
  - Proposed On-Site Substation
  - BH location
  - House Locations
  - Tree Felling - ST Layout
- UGC**
- Inchamore Grid Connection Route
  - HDD Crossings
- Trinity**
- dline-250 Haul Road - 256-Polyline
  - turbine Delivery Route
  - Redline-750 Haul Road - 256-Polyline
  - Turbine Delivery Route
- Hydrology**
- A1&A2 Existing Drainage
- River Waterbodies Risk**
- At Risk
  - Not at Risk
  - Review
  - Unassigned

Project ID: 604162 Inchamore Wind Farm  
 Projection: TM  
 Drawn by: Sven K.  
 Reviewed by: Sven K.  
 Version: 13/04/2023

**References/Sources:**  
 Environmental Protection Agency (EPA)  
 Geological Services Ireland (GSI)  
 Bing Aerial / Contours / Open Street Map / Google Roads  
 GDEM Elevation Contours  
 Phase 1 (250m Grid Pixel Depth - GreenSource)  
 Note: Data points presented are georeferenced using open source data and/or a localised 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 purposes.

Scale: 0 200 400 m

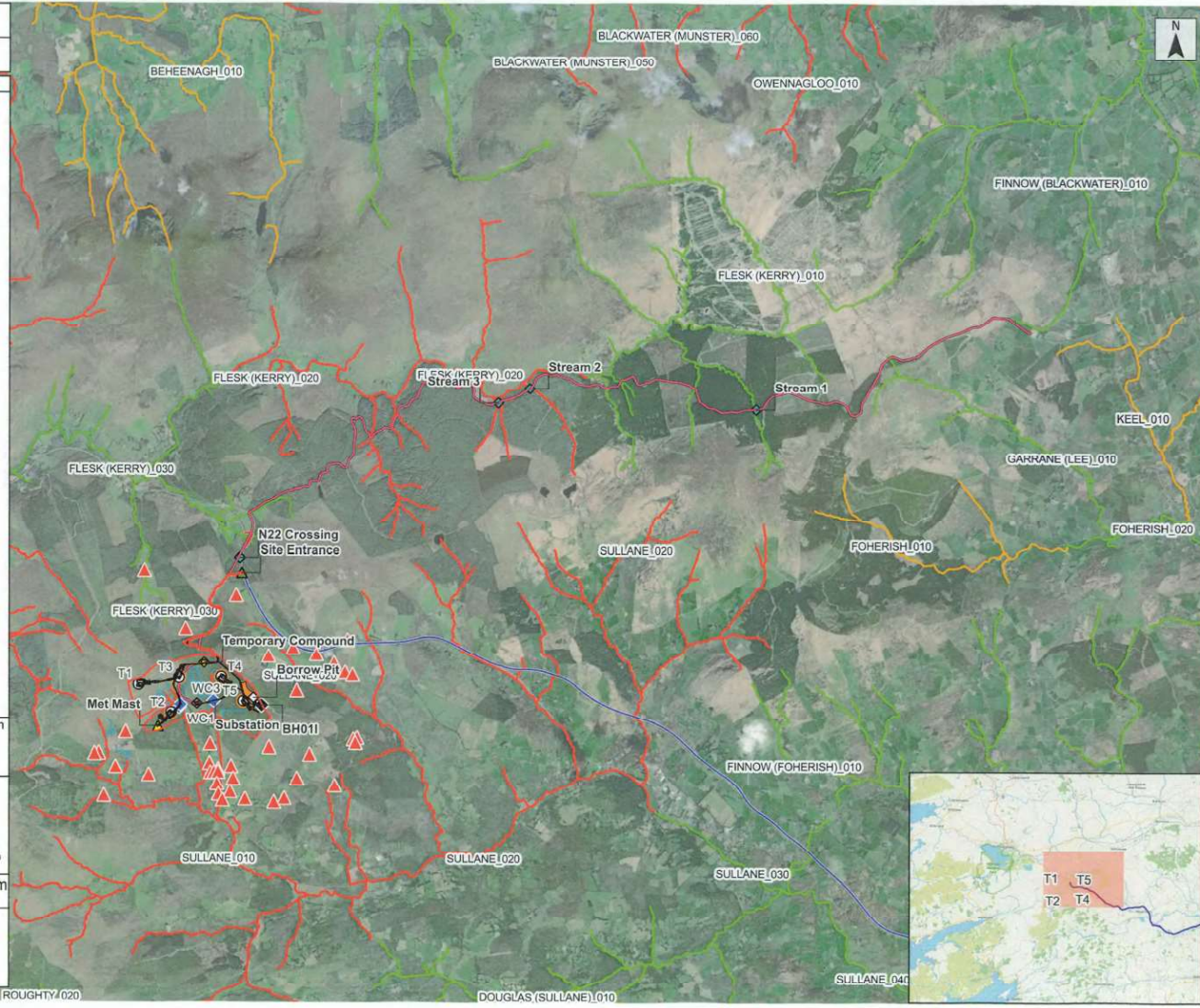
**Inchmore Wind Farm**  
 Inchmore, Co. Cork / Co. Kerry  
 Figure 9.4 (b) (01) WFD Risk GCR

- Legend**
- Development Layout**
- WF Red Line 23
  - 230313 Site Layout
  - Turbine Locations
  - Site Entrances
  - Proposed Met Mast
  - Watercourse Crossings
  - Proposed Borrow Pits
  - Proposed Temporary Construction Compound
  - Proposed On-Site Substation
  - BH Location
  - House Locations
- UGC**
- Inchmore Grid Connection Route
  - 1100 Crossings
- Delivery**
- rdline-250 Haul Road - 256-Polyline
  - rdline-250 Haul Road - 256-Polyline
  - rdline-250 Haul Road - 256-Polyline
  - Turbine Delivery Route
- Hydrology**
- At&A2 Existing Drainage
  - River Waterbodies Risk
  - At Risk
  - Not at Risk
  - Review
  - Unassigned

Project ID: 604162 Inchmore Wind Farm  
 Projection: ITM  
 Drawn by: Sven K.  
 Reviewed by: Sven K.  
 Version: 13/04/2023

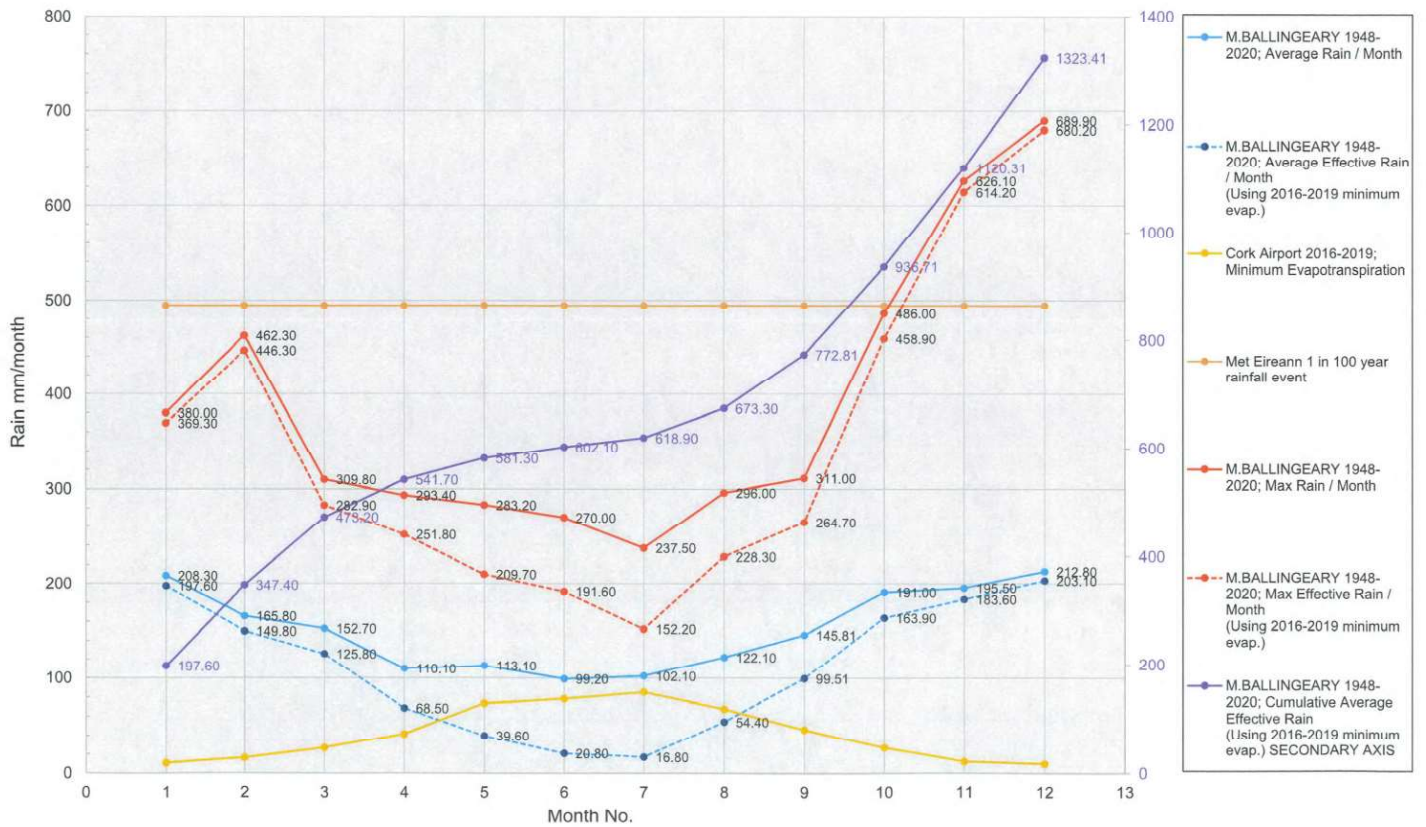
**References/Sources:**  
 Environmental Protection Agency (EPA)  
 Geological Services Ireland (GSI)  
 Bing Aerial / Google / Open Street Map / Google Roads  
 GDEM Elevation Contours  
 Phase 1 (250m Grid Feet Depth - Greensource)

Scale: 0 1.08 2.16 km



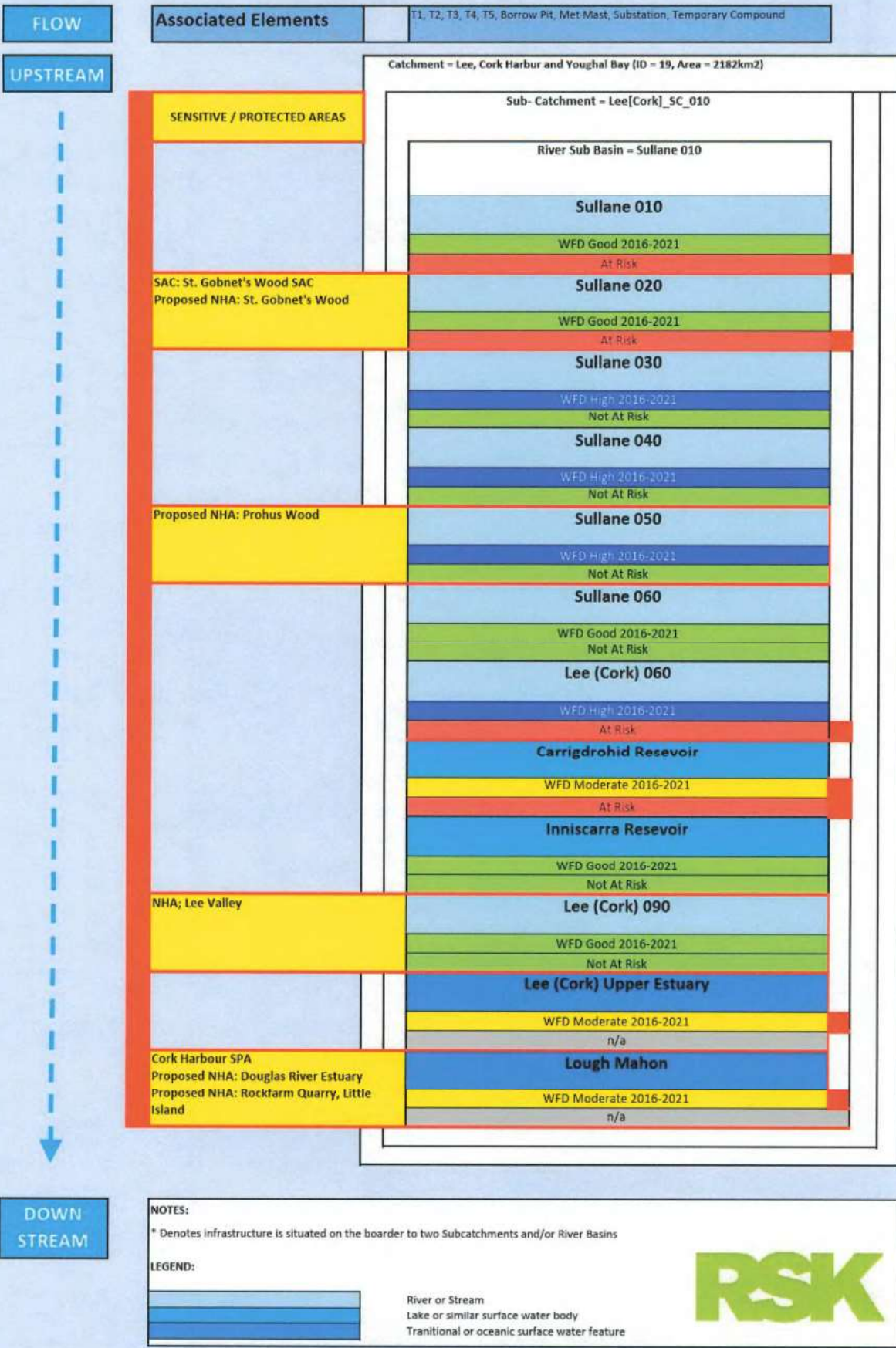
### EIAR Figure 9.5 - Rainfall Trends

Site: Inchamore WF, Co. Cork  
 Minerex File Ref: 3188-011.xls  
 Prepared by / Date: SK 07/09/2021



# EIAR Figure 9.6 - Surface Water & Designated Area Flow Chart

603679-Hydro-R3-Fig9.6-(01)-Surface Water and Designated Areas Flow Chart CMc 13/04/2023





**Inchamore Wind Farm**  
 Inchamore, Co. Cork / Co. Kerry  
 Figure 9.7 (a) (00) Surface Water  
 Mapping and Survey Overview

**Legend**

**Development Layout**

- WF
- Red Line 23
- 230313 Site Layout
- Turbine Locations
- Site Entrances
- Proposed Met Mast
- Watercourse Crossings
- Proposed Borrow Pits
- Borrow Pit
- Proposed Temporary Construction Compound
- Proposed On-Site Substation
- House Locations

**Ancillary**

- Proposed Culverts
- Inchamore Baseline SW Sampling Locations

**UGC**

- Inchamore Grid Connection Route
- D Crossings

**Delivery**

- Redline-250 Haul Road - 256-Polyline
- Turbine Delivery Route
- Redline-250 Haul Road - 256-Polyline
- Turbine Delivery Route

**Hydrology**

- WFD\_RiverWaterbodiesActive\_Cycle3
- AU&A2\_Existing Drainage

**River Flow Direction**

**Catchments**

- WFD\_Catchments
- WFD\_Subcatchments

**Base Maps**

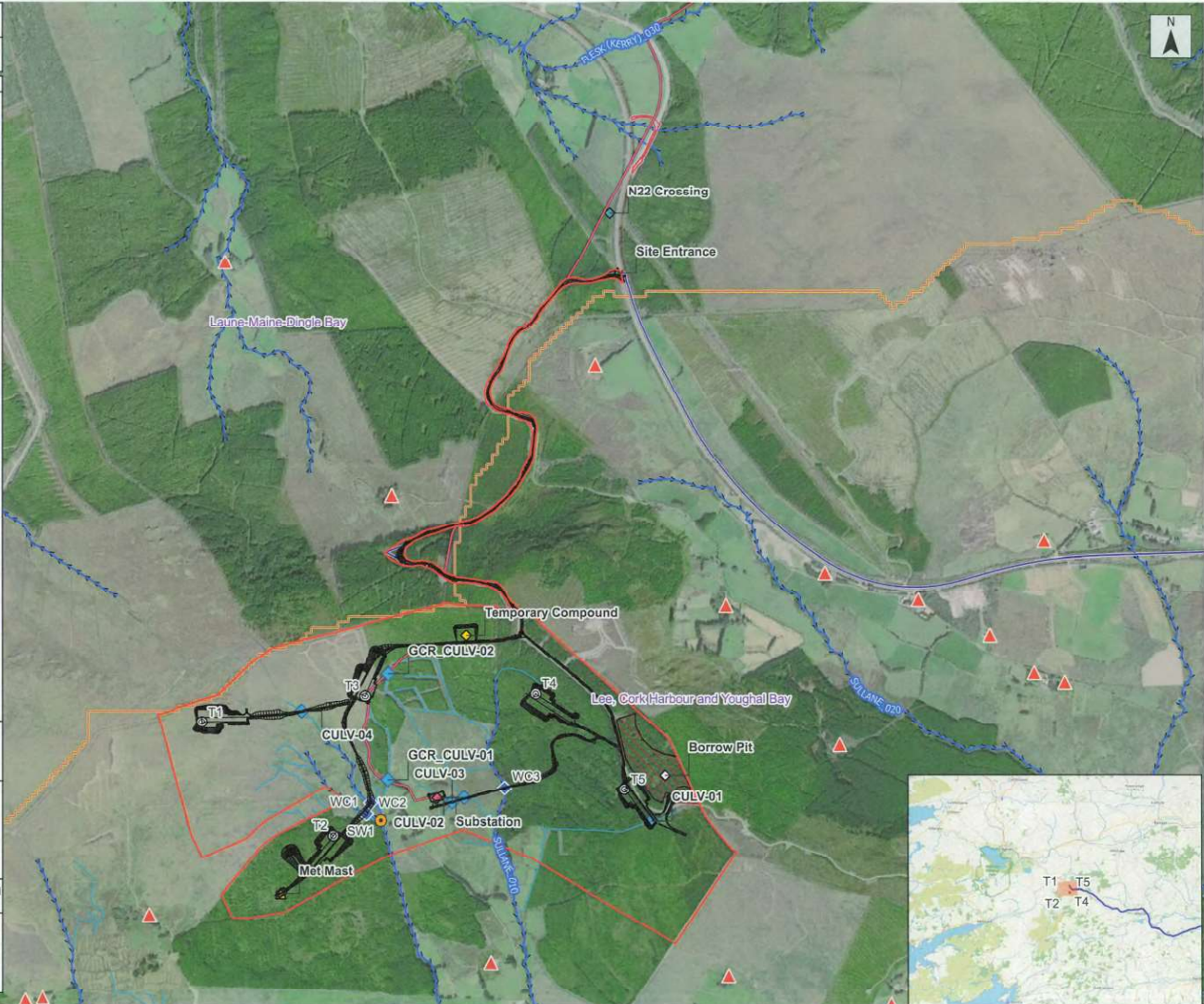
- Bing Aerial
- OpenStreetMap

**Project ID:** 604162 Inchamore Wind Farm  
**Projection:** ITM  
**Drawn by:** Sven K.  
**Reviewed by:** Sven K.  
**Version:** 21/09/2022

**References/Sources:**  
 Environmental Protection Agency (EPA)  
 Geological Services Ireland (GSI)  
 Bing Aerial / Google/ve / Open Street Map / Google Roads  
 GDEM Elevation Contours  
 Phase 1 (250m Grid Peak Depth - GreenSource)

Note: Data points presented are georeferenced using open source data and/or a localised GCS. 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 purposes.

**Scale:** 0 0.27 0.54 km

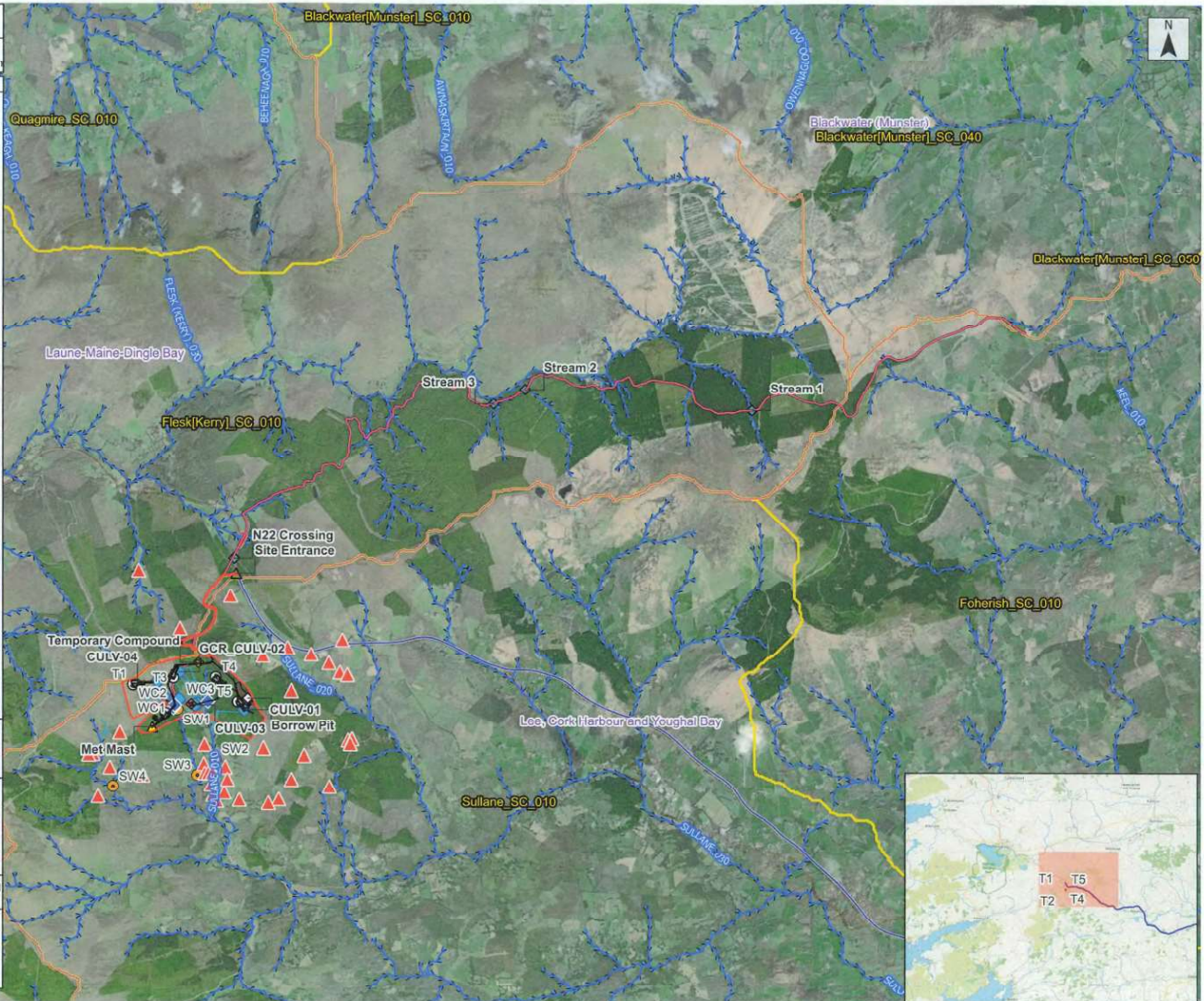
**Inchamore Wind Farm**  
 Inchamore, Co. Cork / Co. Kerry  
 Figure 9.7 (b) (00) Surface Water  
 Mapping and Survey Overview Connection

- Development Layout**
- WF Red Line 23
  - 230313 Site Layout
  - Turbine Locations
  - Site Entrances
  - Proposed Met Mast
  - Watercourse Crossings
  - Proposed Borrow Pits
  - Borrow Pit
  - Proposed Temporary Construction Compound
  - Proposed On-Site Substation
  - House Locations
- Ancillary**
- Proposed Culverts
  - Inchamore Baseline SW Sampling Locations
- UGC**
- Inchamore Grid Connection Route
  - ID Crossings
- Delivery**
- Radius=250 Haul Road - 256-Polyline
  - Turbine Delivery Route
  - Radius=250 Haul Road - 256-Polyline
  - Turbine Delivery Route
- Hydrology**
- WFD\_RiverWaterbodiesActive\_Cycle3
  - ALAQL\_existing Unrriage
- River Flow Direction**
- WFD\_Catchments
  - WFD\_Subcatchments
- Base Maps**
- Bing Aerial
  - OpenStreetMap

Project ID: 604162 Inchamore Wind Farm  
 Projection: ITM  
 Drawn by: Sven K.  
 Reviewed by: Sven K.  
 Version: 21/09/2022

**References/Sources:**  
 Environmental Protection Agency (EPA)  
 Geological Services Ireland (GSI)  
 Bing Aerial / Google / Open Street Map / Google Roads  
 GDEM Elevation Contours  
 Phase 1 (250m Grid Peak Depth - Greensource)  
 Note: Data points presented are georeferenced using open source data and/or a handheld GPS. This drawing is not to be considered a conventional project with reasonable accuracy for the purposes of environmental assessment. This drawing should not be relied upon for detailed design purposes.

Scale: 0 1.08 2.16 km



**Inchamore Wind Farm**  
 Inchamore, Co. Cork / Co. Kerry  
 Figure 9.8 (a) (00) Bedrock Aquifer  
 Wind Farm

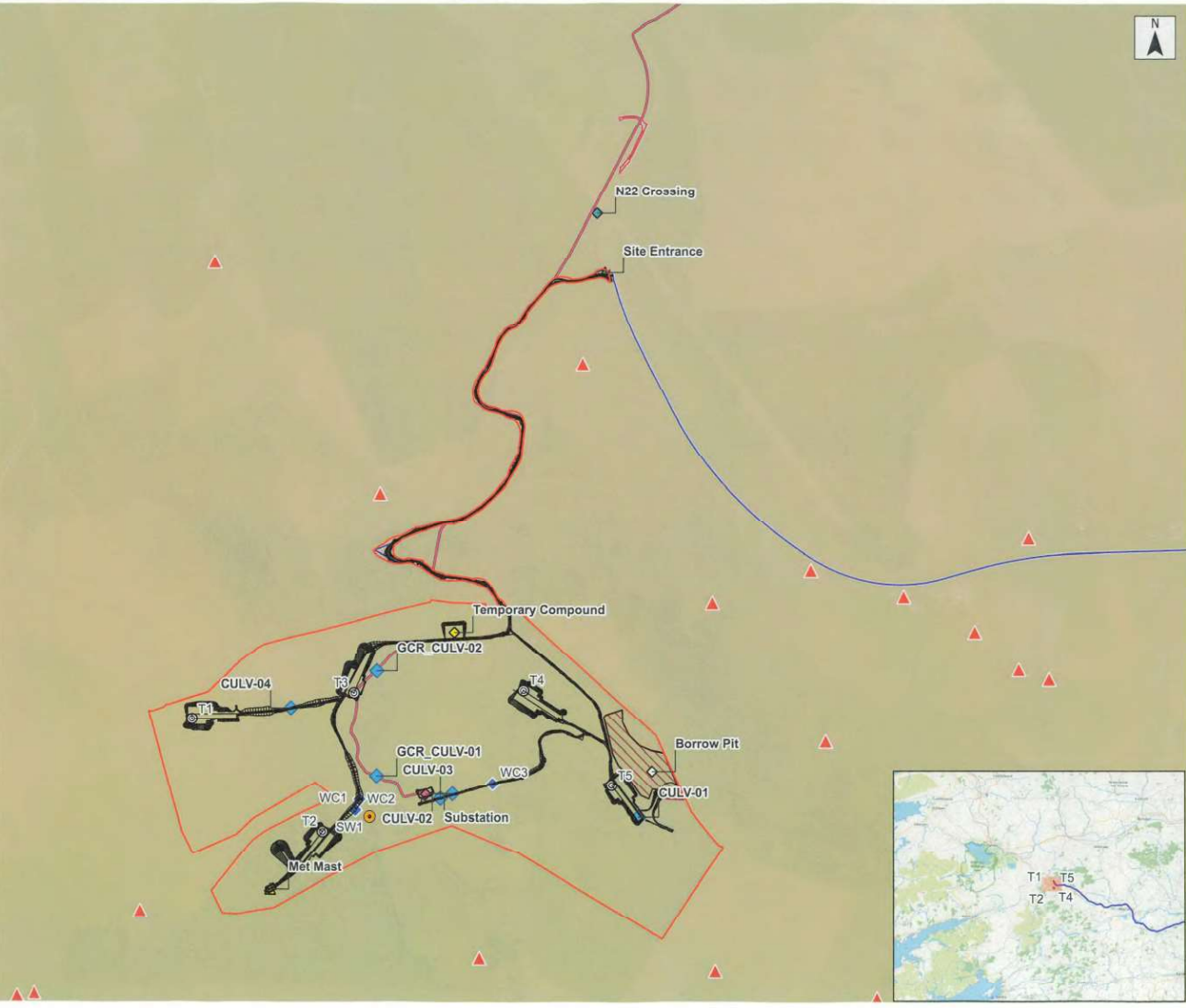
- Legend**
- Development Layout**
- WF
  - Red Line 23
  - 230313 Site Layout
  - Turbine Locations
  - Site Entrances
  - Proposed Met Mast
  - Watercourse Crossings
  - Proposed Borrow Pits
  - Borrow Pit
  - Proposed Temporary Construction Compound
  - Proposed On-Site Substation
  - House Locations
- Ancillary**
- Proposed Culverts
  - Inchamore Baseline SW Sampling Locations
- UGC**
- Inchamore Grid Connection Route
  - Crossings
- Delivery**
- Redline-250 Haul Road - 256-Polyline
  - Turbine Delivery Route
  - Redline-250 Haul Road - 256-Polyline
  - Turbine Delivery Route
- Hydrogeology**
- Google Satellite
- GSI Bedrock Aquifer**
- LI

Project ID: 604162 Inchamore Wind Farm  
 Project: ITM  
 Drawn by: Sven K.  
 Reviewed by: Sven K.  
 Version: 21/09/2022

**References/Sources:**  
 Environmental Protection Agency (EPA)  
 Geological Services Ireland (GSI)  
 Bing Aerial / GeoLive / Open Street Map / Google Roads  
 GDEM Elevation Contours  
 Phase 1 (250m Grid Peat Depth - Greensource)

Note: Data points presented are georeferenced using open source data and/or a handheld GPS. This drawing is for environmental assessment purposes only. It should not be relied upon for detailed design purposes.

Scale: 0 0.27 0.54 km



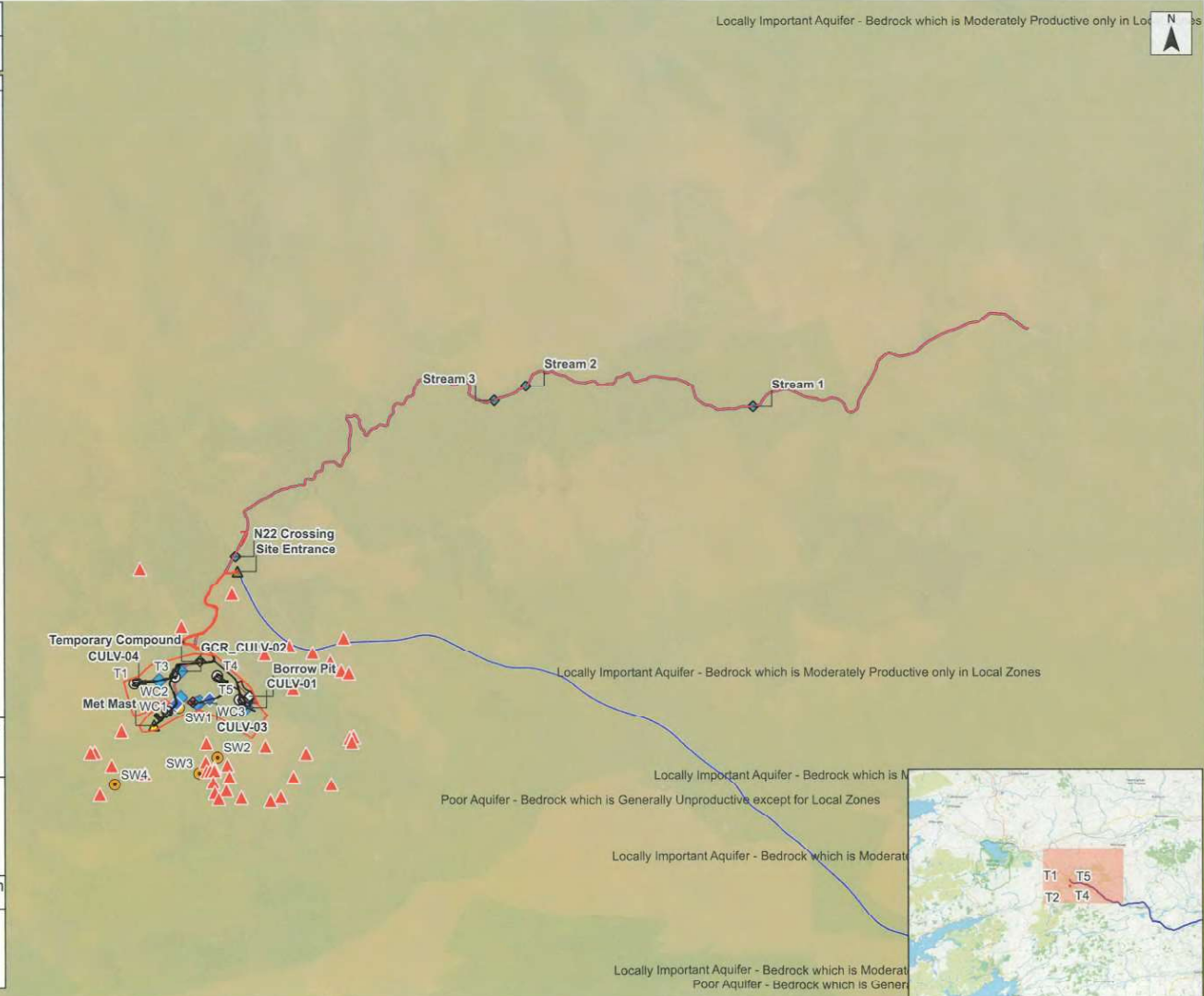
**Inchamore Wind Farm**  
 Inchamore, Co. Cork / Co. Kerry  
 Figure 9.8 (b) (00) Bedrock Aquifer Grid Connection Route

- Legend**
- Development Layout**
    - Red Line 23
    - 230313 Site Layout
    - Turbine Locations
    - Site Entrances
    - Proposed Met Mast
    - Watercourse Crossings
    - Proposed Borrow Pits
    - Borrow Pit
    - Proposed Temporary Construction Compound
    - Proposed On-Site Substation
    - House Locations
  - Ancillary**
    - Proposed Culverts
    - Inchamore Baseline SW Sampling Locations
  - UGC**
    - Inchamore Grid Connection Route
    - ID Crossings
  - Delivery**
    - Redline-250 Haul Road - 256-Polyline
    - Turbine Delivery Route
    - Redline-250 Haul Road - 256-Polyline
    - Turbine Delivery Route
  - Hydrogeology**
    - Google satellite
  - GSI Bedrock Aquifer**
    - LI
    - PI
    - Rkd

Project ID: 604162 Inchamore Wind Farm  
 Projection: ITM  
 Drawn by: Sven K.  
 Reviewed by: Sven K.  
 Version: 21/09/2022

**References/Sources:**  
 Environmental Protection Agency (EPA)  
 Geological Services Ireland (GSI)  
 Bing Aerial / GeoHire / Open Street Map / Google Roads  
 GSDM Elevation Contours  
 Phase 1 (250m Grid Peak Depth) - Greensource

Scale: 0 1.08 2.16 km



**Inchamore Wind Farm**  
 Inchamore, Co. Cork / Co. Kerry  
 Figure 9.9 (a) (00) Groundwater Vulnerability Wind Farm

**Legend**

**Development Layout**

- WF
- Red Line 23
- 230313 Site Layout
- Turbine Locations
- Site Entrances
- Proposed Met Mast
- Watercourse Crossings
- Proposed Borrow Pits
- Borrow Pit
- Proposed Temporary Construction Compound
- Proposed On-Site Substation

**UGC**

- Inchamore Grid Connection Route
- HDD Crossings

**Delivery**

- Redline-250 Haul Road - 256-Polyline
- Turbine Delivery Route
- Jilne-250 Haul Road - 256-Polyline
- bine Delivery Route

**Hydrogeology**

Google Satellite

**IRL\_VULNERABILITY\_ITM**

- E
- H
- X

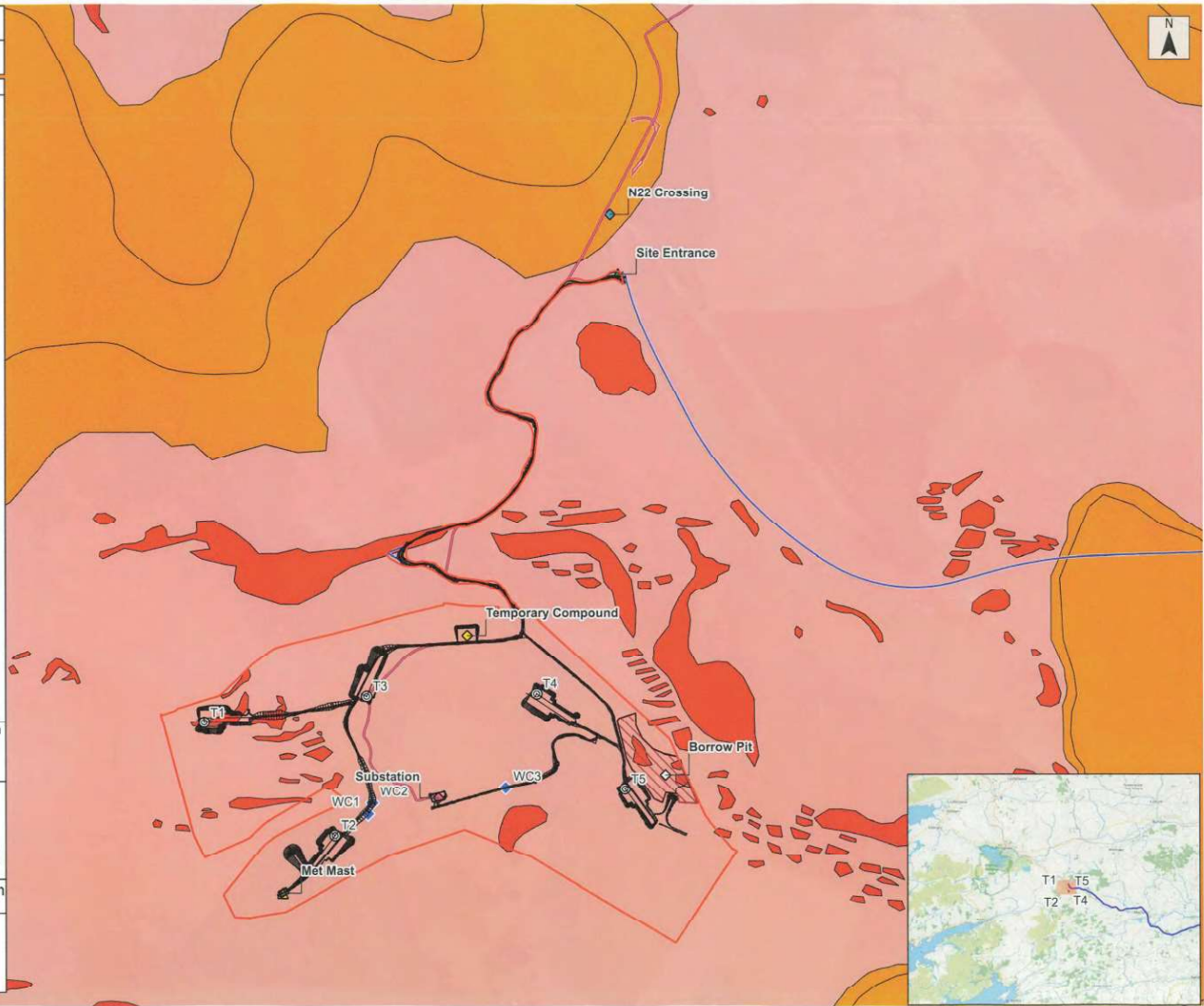
**Project ID:** 604162 Inchamore Wind Farm  
**Projection:** ITM  
**Drawn by:** Sven K.  
**Reviewed by:** Sven K.  
**Version:** 21/09/2022

**References/Sources:**  
 Environmental Protection Agency (EPA)  
 Geological Services Ireland (GSI)  
 Bing Aerial / Geohive / Open Street Map / Google Roads  
 CSDEM Elevation Contours  
 Phase 1 (250m Grid Peat Depth - Greensource)

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

**Scale:** 0 0.27 0.54 km

**RSK**



**Inchamore Wind Farm**  
 Inchamore, Co. Cork / Co. Kerry  
 Figure 9.9 (b) (00) Groundwater Vulnerability Grid Connection Route

**Legend**

**Development Layout**

- Red Line 23
- 230313 Site Layout
- Turbine Locations
- Site Entrances
- Proposed Met Mast
- Watercourse Crossings
- Proposed Borrow Pits
- Borrow Pit
- Proposed Temporary Construction Compound
- Proposed On-Site Substation

**UGC**

- Inchamore Grid Connection Route
- HDD Crossings

**Delivery**

- Redline-250 Haul Road - 256-Polyline
- Turbine Delivery Route
- Redline-250 Haul Road - 256-Polyline
- r-bine Delivery Route

**Hydrology**

- Google Satellite

**IRL\_VULNERABILITY\_ITM**

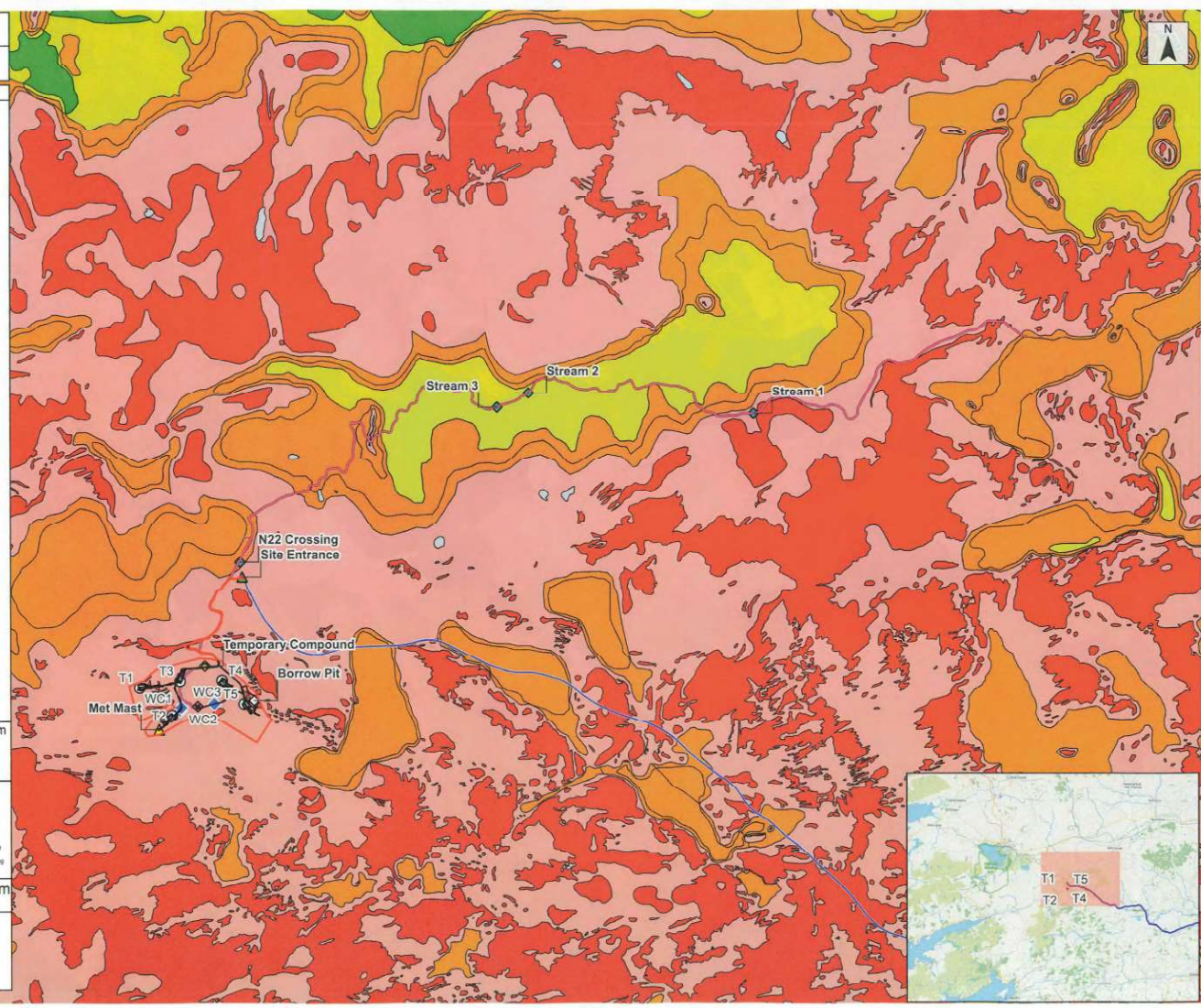
- H
- M
- L
- Water
- K

**Project ID: 604162 Inchamore Wind Farm**  
 Projection: ITM  
 Drawn by: Sven K.  
 Reviewed by: Sven K.  
 Version: 21/09/2022

**References/Sources:**  
 Environmental Protection Agency (EPA)  
 Geological Services Ireland (GSI)  
 Bing Aerial / Google / Open Street Map / Google Roads  
 QDEM Elevation Contours  
 Phase 1 (250m Grid Peat Depth - Greensource)

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

**Scale: 0 1.08 2.16 km**

**Inchamore Wind Farm**  
 Inchamore, Co. Cork / Co. Kerry  
 Figure 9.10 (a) (01) Groundwater Recharge Wind Farm

**Development Layout**

**WF**

- Red Line 23
- 230313 Site Layout
- Turbine Locations
- Site Entrances
- Proposed Met Mast
- Watercourse Crossings
- Proposed Borrow Pits
- Proposed Temporary Construction Compound
- Proposed On-Site Substation
- BH location
- House Locations

**UGC**

- Inchamore Grid Connection Route
- HDD Crossings

**Delivery**

- deline-250 Haul Road - 256-Polyline
- rtine Delivery Route
- redline-250 Haul Road - 256-Polyline
- Turbine Delivery Route

**Hydrogeology**

GSI Groundwater Recharge (mm/yr)

- 101-150
- 151-200

**Base Maps**

Bing Aerial

---

Project ID: 604162 Inchamore Wind Farm  
 Projection: ITM  
 Drawn by: Sven K.  
 Reviewed by: Sven K.  
 Version: 13/04/2023


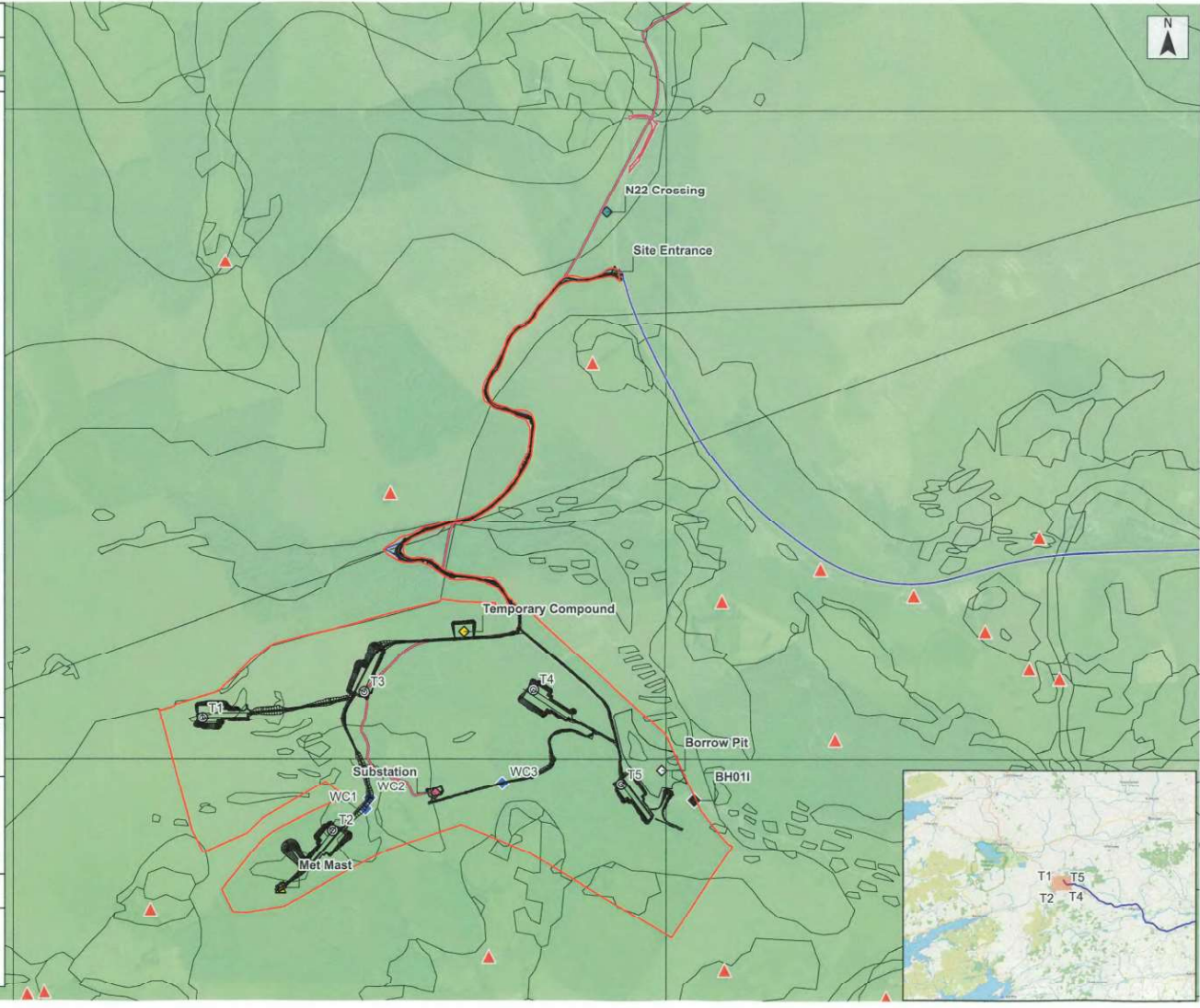
**References/Sources:**

- Environmental Protection Agency (EPA)
- Geological Services Ireland (GSI)
- Bing Aerial / Google / Open Street Map / Google Roads
- GDEM Elevation Contours

Phase 1 (250m Grid Peak Depth - Greensource)

Note: Data points presented are geospatial using open source data and/or a licensed RSK. This drawing is intended as a conceptual model with reasonable accuracy for the purposes of environmental assessment. This drawing should not be relied upon for detailed design purposes.

Scale: 0 200 400 m

**Inchamore Wind Farm**  
 Inchamore, Co. Cork / Co. Kerry  
 Figure 9.10 (b) (01) Groundwater  
 Recharge Grid Connection Route

**Development Layout**

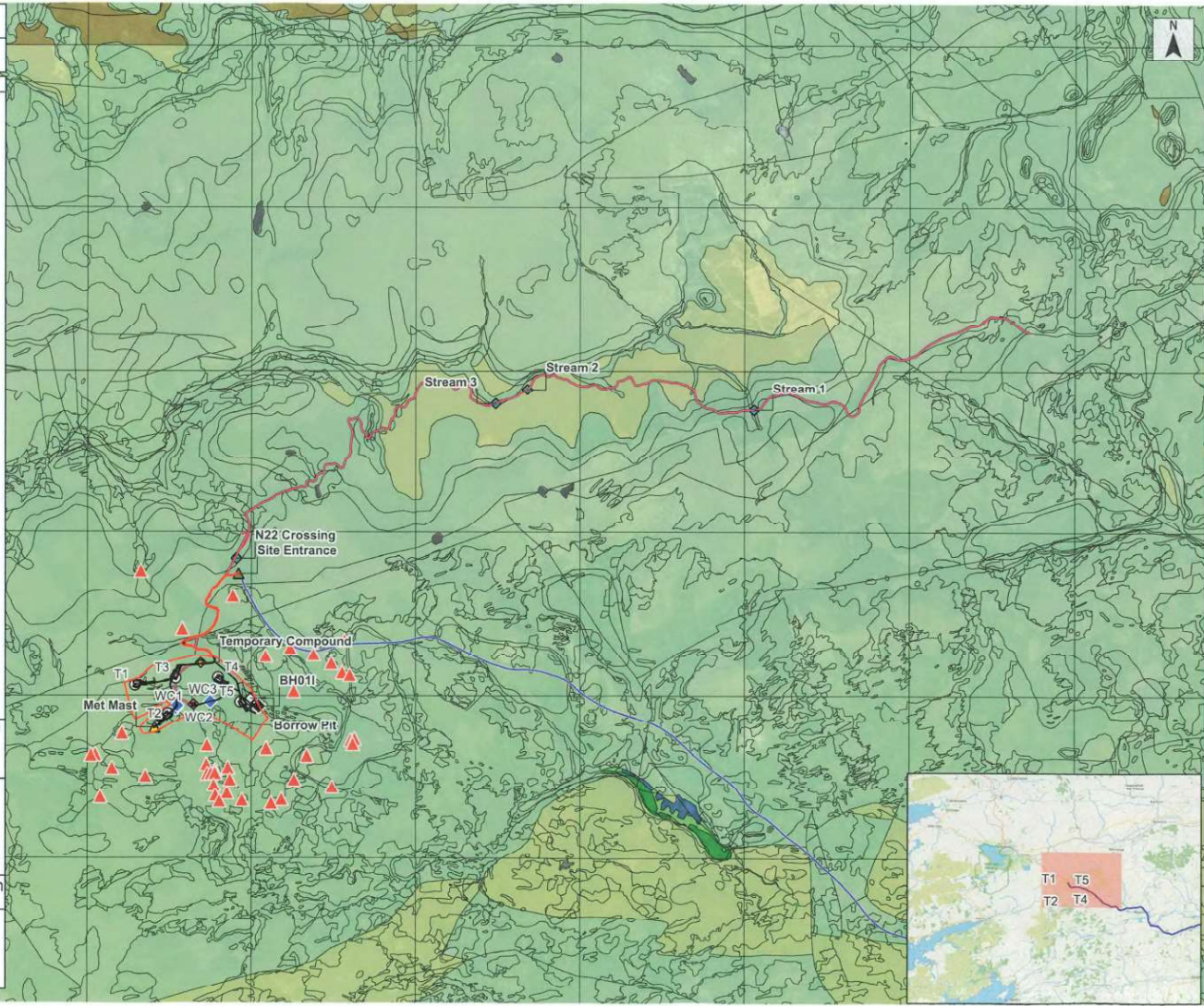
- WF
  - Red Line Z3
  - 230313 Site Layout
  - Turbine Locations
  - Site Entrances
  - Proposed Met Mast
  - Watercourse Crossings
  - Proposed Borrow Pits
  - Proposed Temporary Construction Compound
  - Proposed On-Site Substation
  - DII location
  - House Locations
- UGC
  - Inchamore Grid Connection Route
  - HDD Crossings
- Delivery
  - rdline-250 Haul Road - 256-Polyline
  - rdline Delivery Route
  - redline-250 Haul Road - 256-Polyline
  - Turbine Delivery Route
- Hydrogeology
  - GSI Groundwater Recharge (mm/yr)
    - 1-50
    - 51-100
    - 101-150
    - 151-200
    - 251-300
    - 301-350
    - 351-400
    - 401-450
    - 451-500
    - 501-550
    - 551-600
    - 601-650
    - 651-700
    - 701-750
    - 751-800
    - 801-850
    - 851-900
    - 901-950
    - 951-1000
    - 1001-1400
- Base Maps
  - Bing Aerial

Project ID: 604162 Inchamore Wind Farm  
 Projection: ITM  
 Drawn by: Sven K.  
 Reviewed by: Sven K.  
 Version: 13/04/2023

**References/Sources:**  
 Environmental Protection Agency (EPA)  
 Geological Services Ireland (GSI)  
 Bing Aerial / Google / Open Street Map / Google Roads  
 GDEM Elevation Contours  
 Phase 1 (250m Grid Pest Depth - Greensource)

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

Scale: 0 1.08 2.16 km



**Inchamore Wind Farm**  
 Inchamore, Co. Cork / Co. Kerry  
 Figure 9.11 (a) (01) Designated & Protected Areas Wind Farm

1:10

**Development Layout**

**WF**

- Red Line 23
- 230313 Site Layout
- Turbine Locations
- Site Entrances
- Proposed Met Mast
- Watercourse Crossings
- Proposed Borrow Pits
- Proposed Temporary Construction Compound
- Proposed On-Site Substation
- SH Location
- House Locations

**UGC**

- Inchamore Grid Connection Route
- HDD Crossings

**Delivery**

- dline-250 Haul Road - 256-Polyline
- Haine Delivery Route
- Redline-250 Haul Road - 256-Polyline
- Turbine Delivery Route

**Hydrology**

- WFD\_RiverWaterbodiesActive
- A1&A2 Existing Drainage

**Catchments**

- WFD\_Catchments
- WFD\_Subcatchments

**Hydrogeology**

**Wells**

- Recorded Wells (GSI)

**Base Maps**


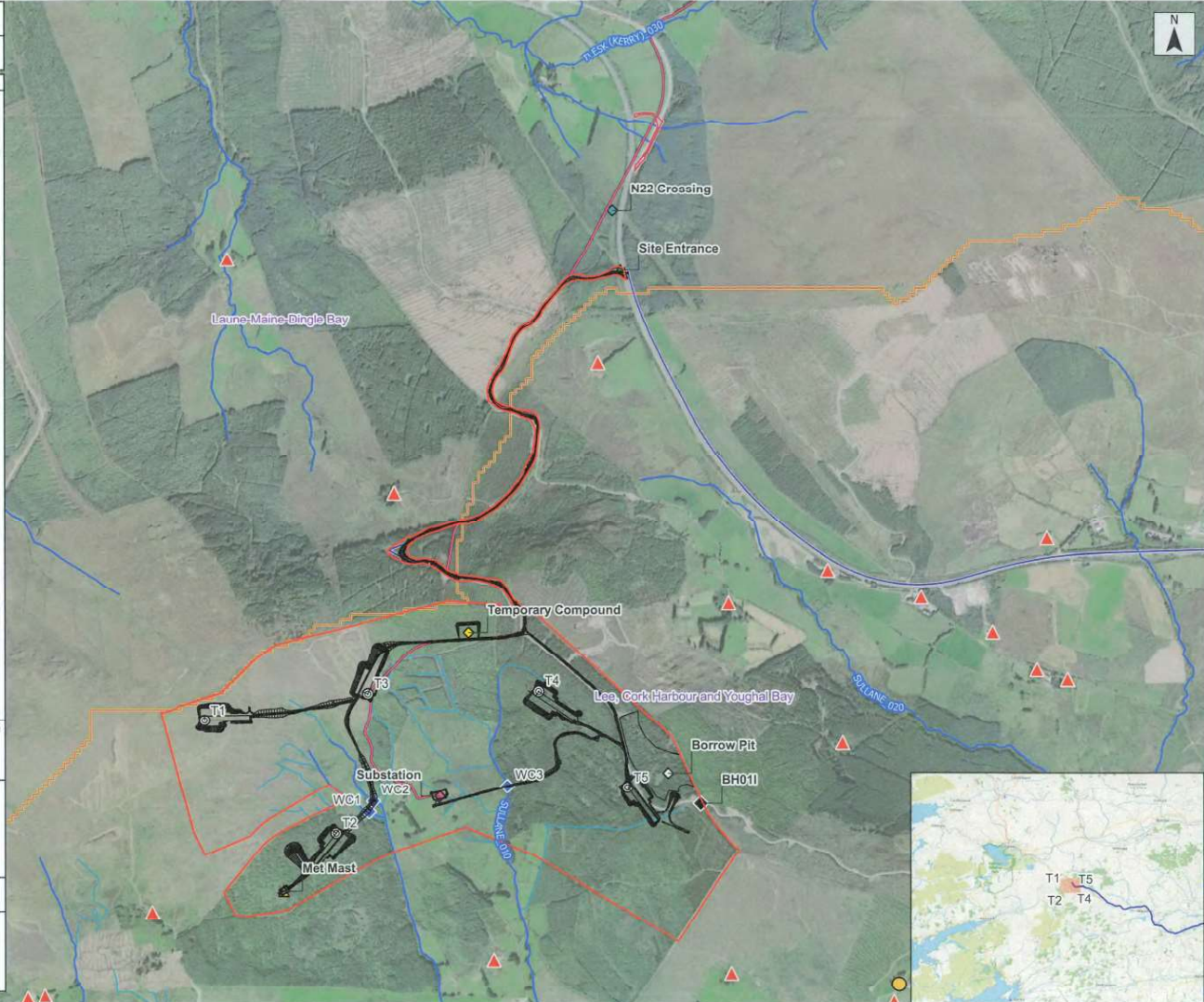
- Bing Aerial

Project ID: 604162 Inchamore Wind Farm  
 Projection: ITM  
 Drawn by: Sven K.  
 Reviewed by: Sven K.  
 Version: 13/04/2023

**References/Sources:**  
 Environmental Protection Agency (EPA)  
 Geological Services Ireland (GSI)  
 Bing Aerial / OpenStreetMap / Google Roads  
 GSI Elevation Contours  
 Phase 1 (250m Grid Post Depth - Greensource)

Note: Data points presented are georeferenced using open source data and/or a handheld GPS. This drawing is made as an intended as a general guide only. No liability is accepted for the purposes of environmental assessment. This drawing should not be relied upon for detailed design purposes.

Scale: 0 200 400 m

**Inchamore Wind Farm**  
 Inchamore, Co. Cork / Co. Kerry  
 Figure 9.11 (b) (01) Designated & Protected Areas Grid Connection Route


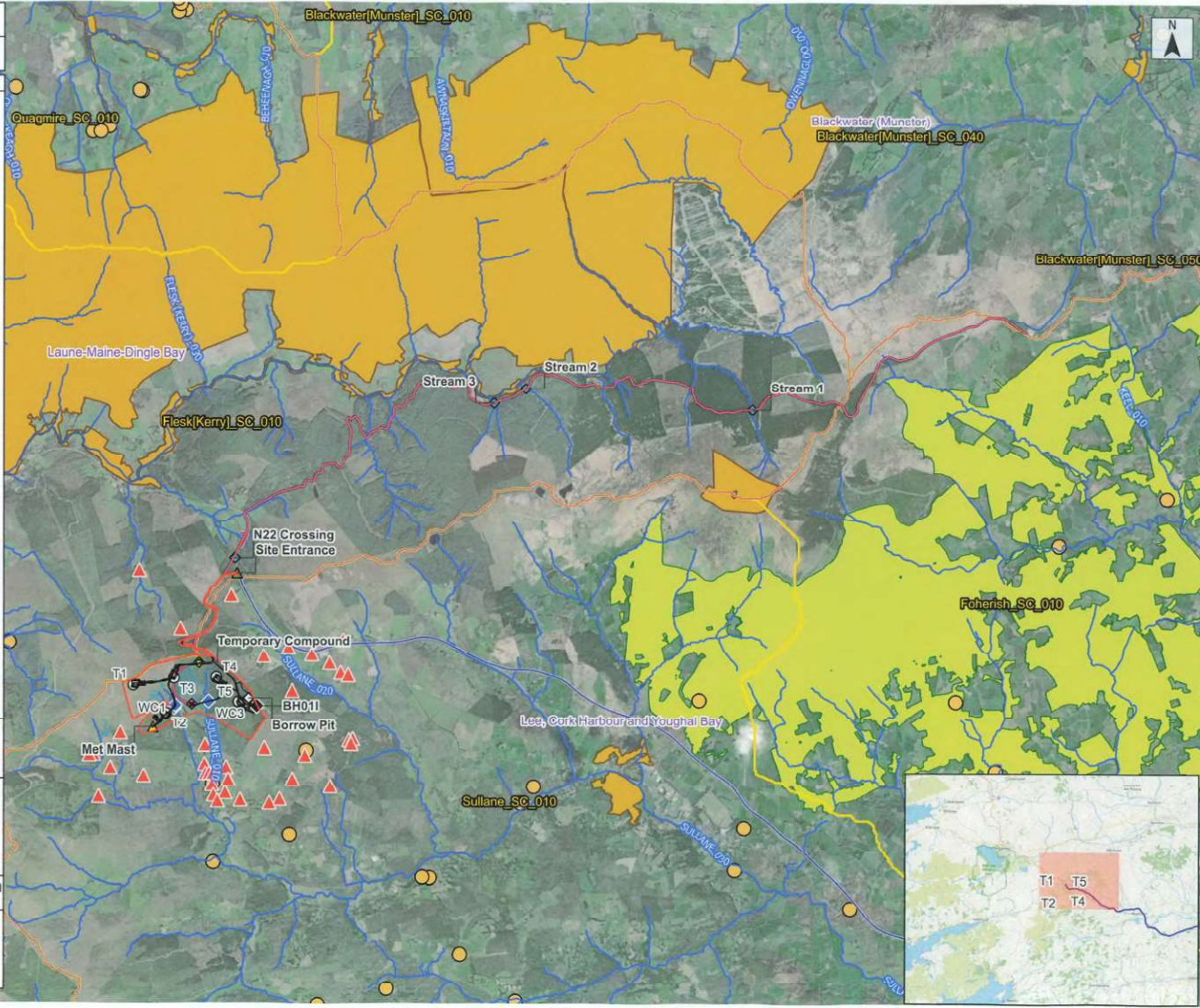
**Development Layout**

- WF
  - Red Line 23
  - 23013 Site Layout
  - Turbine Locations
  - Site Entrances
  - Proposed Met Mast
  - Watercourse Crossings
  - Proposed Borrow Pits
  - Proposed Temporary Construction Compound
  - Proposed On-Site Substation
  - BH location
  - House Locations
- UGC
  - Inchamore Grid Connection Route
  - HDD Crossings
- Delivery
  - rdline-250 Haul Road - 256-Polyline
  - rdline Delivery Route
  - kedline-250 Haul Road - 256-Polyline
  - Turbine Delivery Route
- Hydrology
  - WFD\_RiverWaterbodiesActive
  - A1&A2\_Existing Drainage
- Catchments
  - WFD\_Catchments
  - WFD\_Subcatchments
- Hydrogeology
  - Wells
    - Recorded Wells (GSI)
- Designations
  - S.A.C
  - S.P.A.

Project ID: 604162 Inchamore Wind Farm  
 Projection: ITM  
 Drawn by: Sven K.  
 Reviewed by: Sven K.  
 Version: 13/04/2023

**References/Sources:**  
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 Geological Services Ireland (GSI)  
 Bing Aerial / Geotiff / Open Street Map / Google Roads  
 GSI Elevation Contours  
 Phase 1 (250m Grid Post Depth - GreenSource)  
 Note: Data points presented are georeferenced using open source data and/or a licensed GSI. This drawing is not to be used for any purpose other than the intended purpose of environmental assessment. This drawing should not be relied upon for detailed design purposes.

Scale: 0 1.08 2.16 km

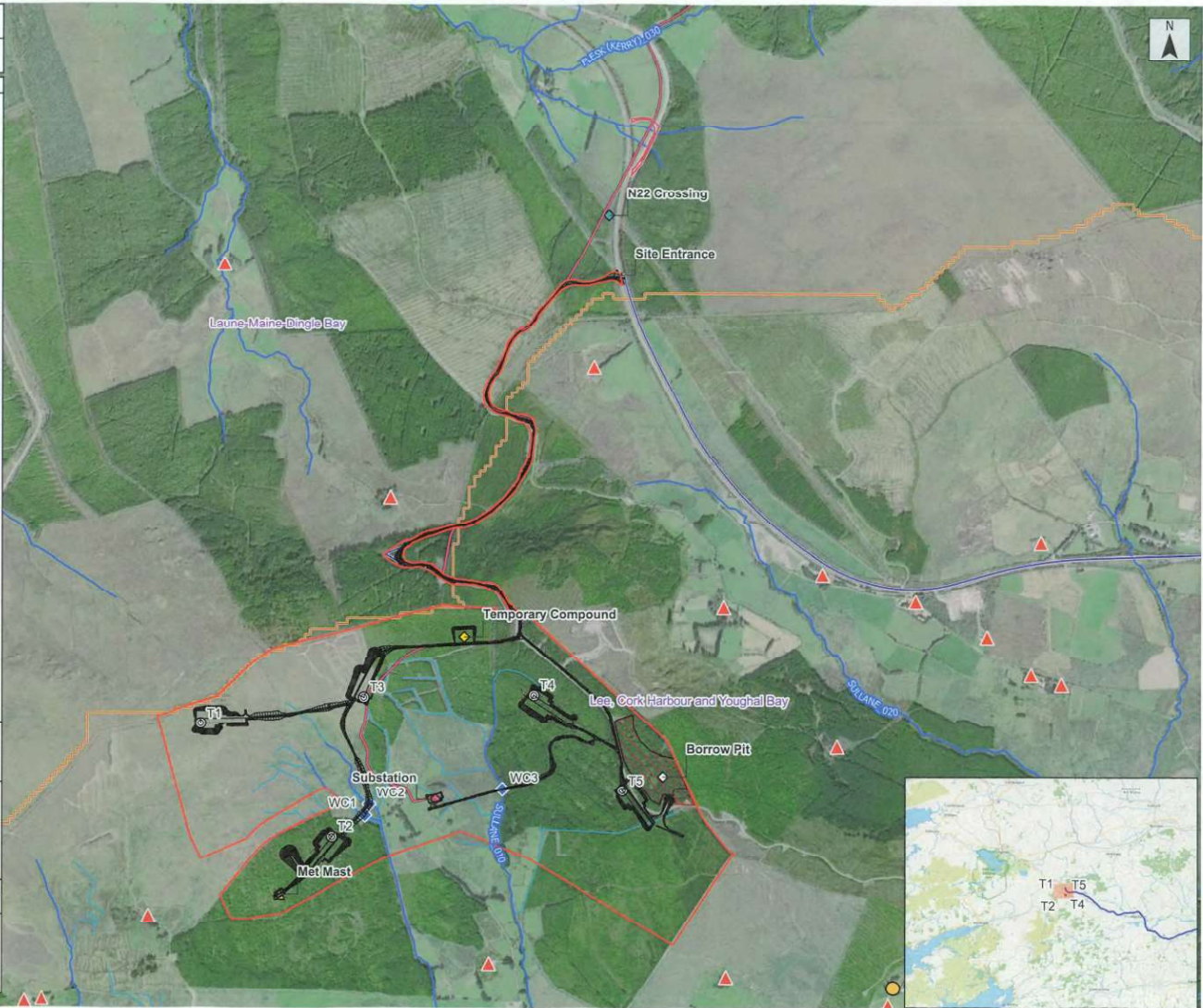
**Inchamore Wind Farm**  
 Inchamore, Co. Cork / Co. Kerry  
 Figure 9.12 (a) (01) SW Network and  
 Water Resources Wind Farm

- nd
- Development Layout
- WF
  - Red Line 23
  - 230313 Site Layout
  - Turbine Locations
  - Site Entrances
  - Proposed Met Mast
  - Watercourse Crossings
  - Proposed Borrow Pits
  - Borrow Pit
  - Proposed Temporary Construction Compound
  - Proposed On-Site Substation
  - House Locations
- UGC
- Inchamore Grid Connection Route
  - HDD Crossings
- Delivery
- Redline-250 Haul Road - 256-Polyline
  - Turbine Delivery Route
  - Redline-250 Haul Road - 256-Polyline
  - Turbine Delivery Route
- Hydrology
- WFD\_RiverWaterbodiesActive\_Cycle3
  - A1&A2\_Existing Drainage
- Drinking Water - Rivers - Latest Cycle
- Drinking Water - Rivers
- Catchments
- WFD\_Catchments
  - WFD\_Subcatchments
- Hydrogeology
- Wells
- Recorded Wells (GSI)
- GSI Source Protection Areas
- NFGWS Group Scheme Zone of Contribution
- ETaps
- erial
- OpenStreetMap

Project ID: 604162 Inchamore Wind Farm  
 Projection: ITM  
 Drawn by: Sven K.  
 Reviewed by: Sven K.  
 Version: 21/09/2022

References:  
 Environmental Protection Agency (EPA)  
 Geological Services Ireland (GSI)  
 Bing Aerial / Google / Open Street Map / Google Roads  
 GDEM Elevation Contours  
 Phase 1 (250m Grid Peak Depth - Greensource)

Scale: 0 0.27 0.54 km



**Inchmore Wind Farm**  
 Inchmore, Co. Cork / Co. Kerry  
 Figure 9.12 (b) (01) SW Network and Water Resources GCR

**Legend**

**Development Layout**

- WF Red Line 23
- 230313 Site Layout
- Turbine Locations
- Site Entrances
- Proposed Met Mast
- Watercourse Crossings
- Proposed Borrow Pits
- Borrow Pit
- Proposed Temporary Construction Compound
- Proposed On-Site Substation
- House Locations

**UGC**

- Inchmore Grid Connection Route
- HDD Crossings

**Delivery**

- Redline-250 Haul Road - 256-Polyline
- Turbine Delivery Route
- Redline-250 Haul Road - 256-Polyline
- Turbine Delivery Route

**Hydrology**

- WFD\_RiverWaterbodiesActive\_Cycle3
- AI&AZ\_Existing Drainage

**Drinking Water - Rivers - Latest Cycle**

**Drinking Water - Rivers**

**Catchments**

- WFD\_Catchments
- WFD\_Subcatchments

**Hydrogeology**

**Wells**

- Recorded Wells (GSI)

**GSI Source Protection Areas**

**NFGWS Group Scheme Zone of Contribution**

**Maps**

**erial**

**OpenStreetMap**

**Project ID: 604162 Inchmore Wind Farm**  
**Project: ITM**  
**Drawn by: Sven K.**  
**Reviewed by: Sven K.**  
**Version: 21/09/2022**

**References:**  
 Environmental Protection Agency (EPA)  
 Geological Services Ireland (GSI)  
 Bing Aerial / Geohive / Open Street Map / Google Roads  
 GDEM Elevation Contours  
 Phase 1 (250m Grid Peat Depth - Greensource)

Note: Data points presented are geospatial data using open source data and/or a recorded GSI. This drawing is made in accordance to information available with reasonable accuracy for the purposes of environmental assessment. This drawing should not be relied upon for detailed design purposes.

**Scale: 0 1.08 2.16 km**

**RSK**

