

Legend

Turbines

EIAR Boundary

Access Road Layout & Hardstand Areas

Construction Compound

Borrow Pit

Met Mast

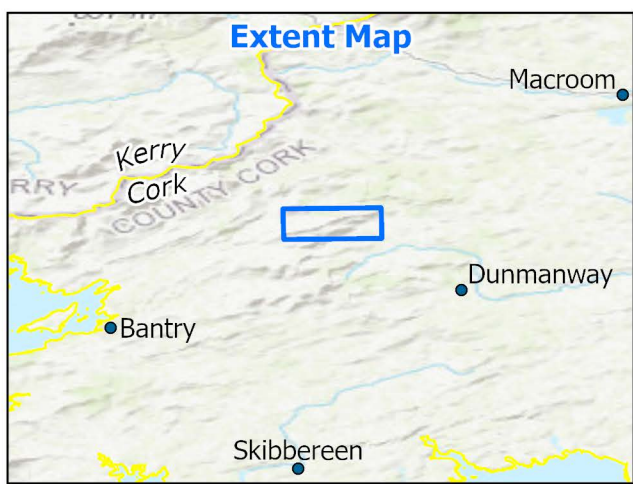
Both Grid Connection Route Options

Hydrological Model

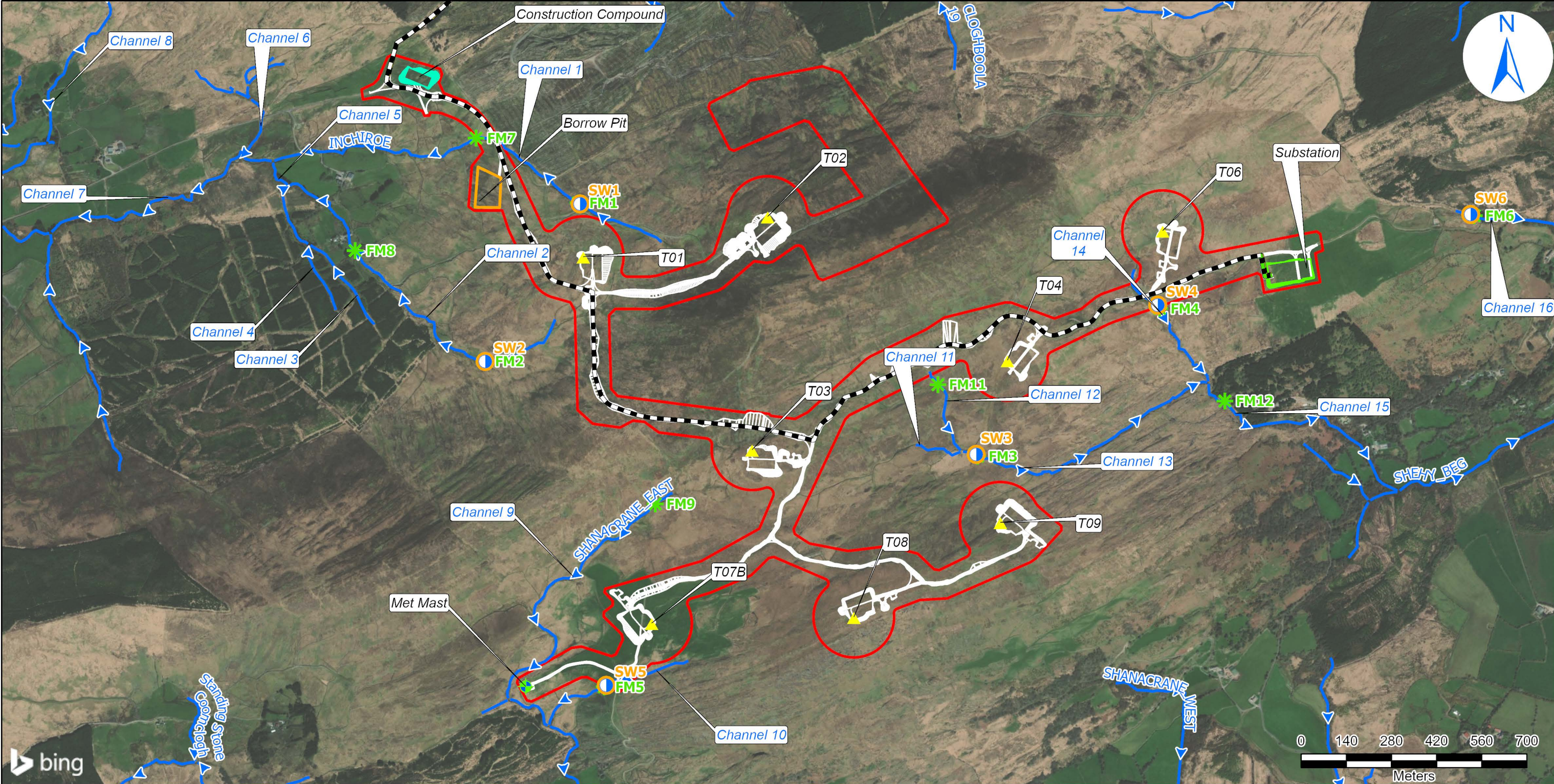
Drainage Channel (Surveyed)

Stormwater Flow Directions (Inferred)

River Network



Client: Jennings O'Donovan & Partners	
Project: Gortloughra Wind Farm	
Map Title: Surface Water Bodies and Hydrological Flow Model Surrounding the Proposed Site	
Spatial Reference Name: IRENET95 Irish Transverse Mercator	
Figure Number: 9.3	Page Size: A3
Date Exported: 15/11/2024	Scale: 1:16,000
Revision Number: 3	Prepared By: DP
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Email: info@ecoquest.ie	
Web: www.ecoquest.ie	



Legend

Field Monitoring Locations

Lab Sampling Locations

River Network

Turbines

EIAR Boundary

Access Road Layout & Hardstand Areas

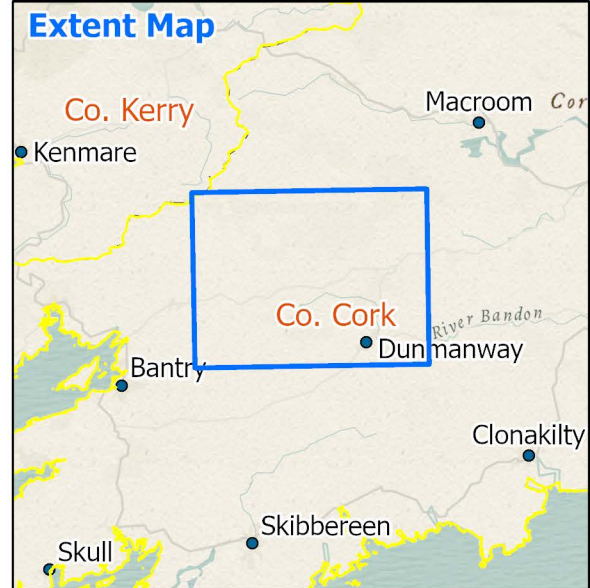
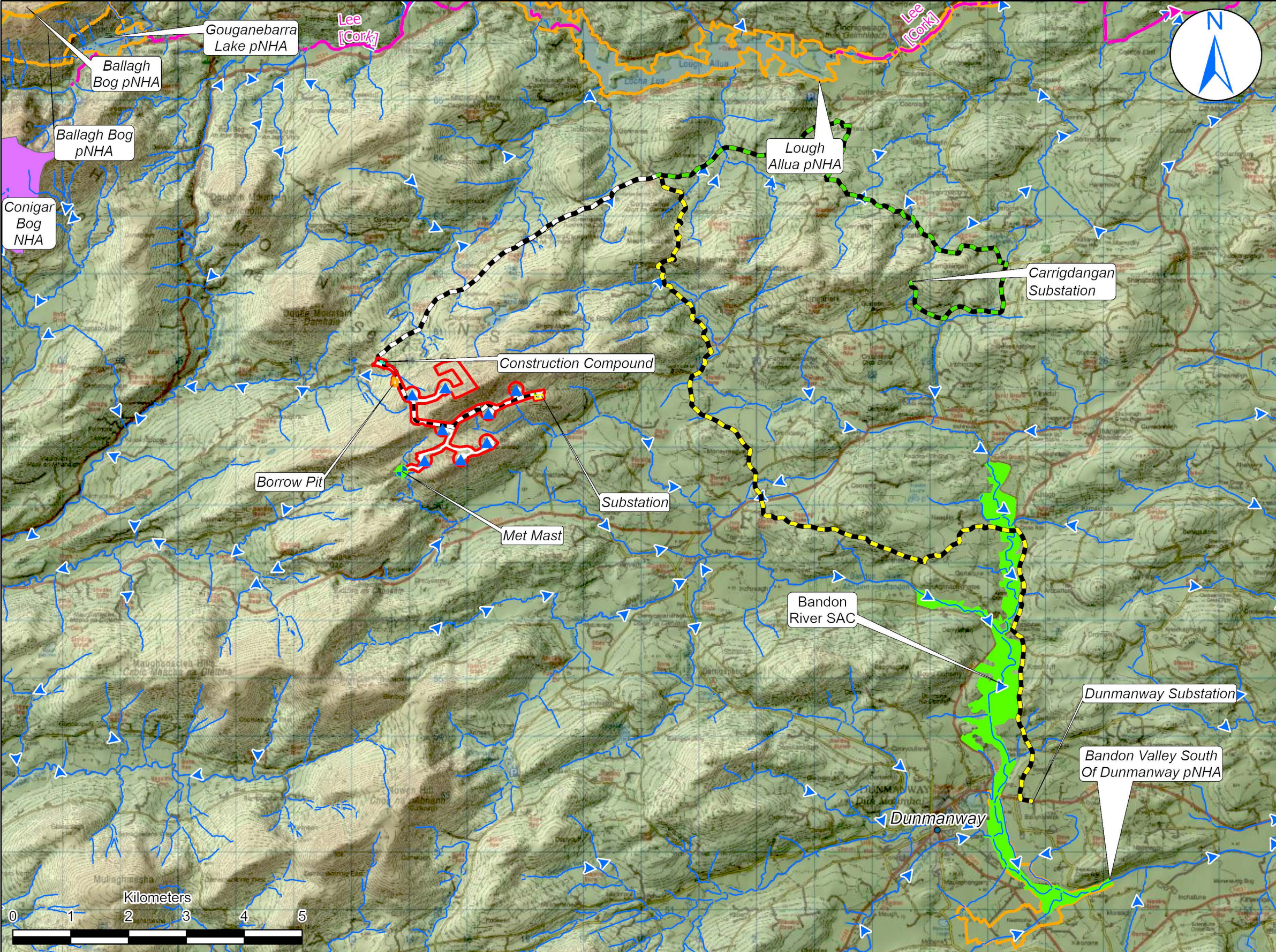
Both Grid Connection Route Options

Substation

Construction Compound

Client: Jennings O'Donovan & Partners	
Project: Gortloughra Wind Farm	
Map Title: Water Quality Monitoring Locations	
Spatial Reference Name: IREN95 Irish Transverse Mercator	
Figure Number: 9.4	Page Size: A3
Date Exported: 15/11/2024	Scale: 1:12,000
Revision Number: 3	Prepared By: DP
Tel: +353 (91) 897 583	Checked By: AG
Email: info@ecoquest.ie	
Web: www.ecoquest.ie	

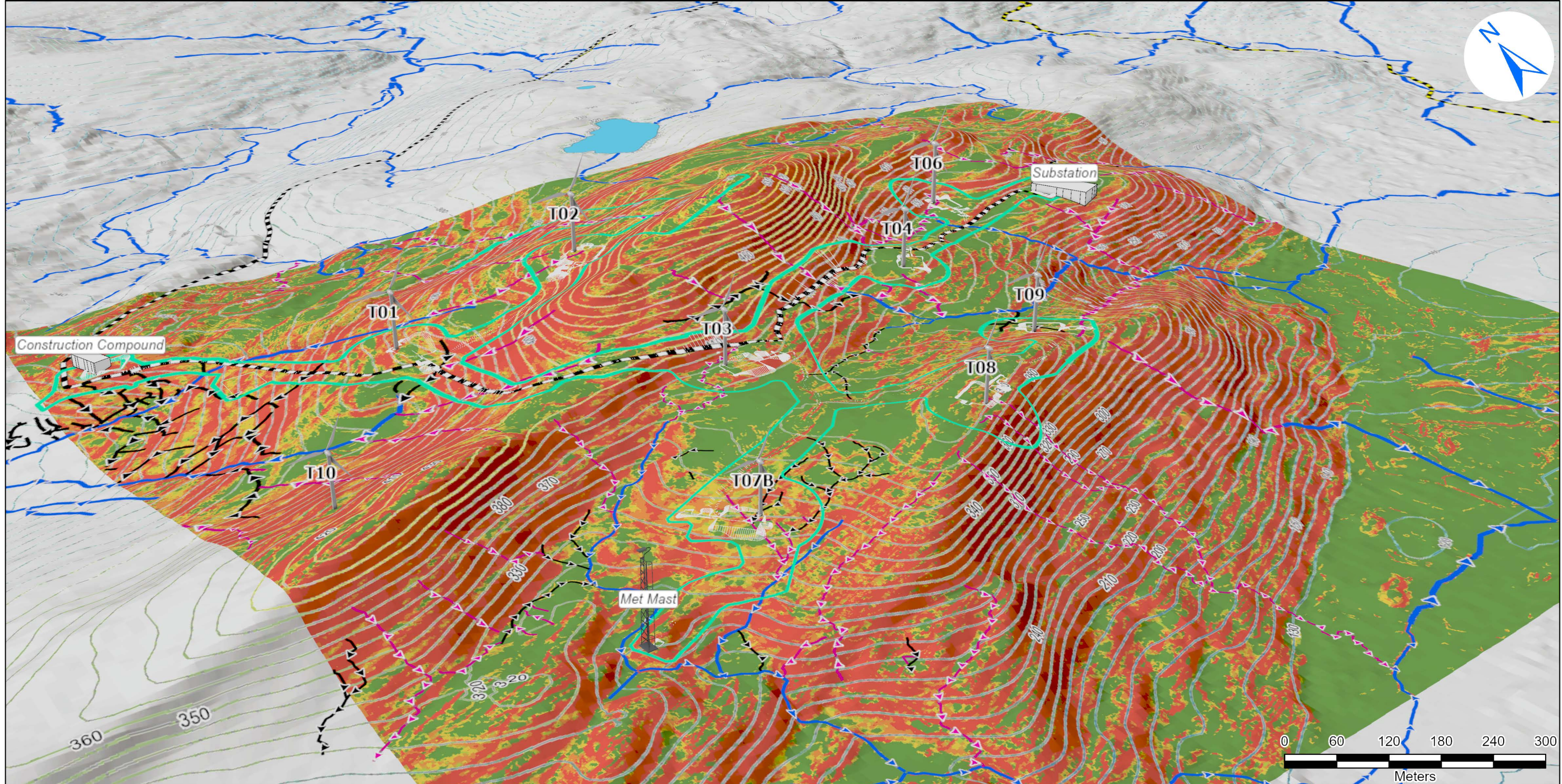
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Client: Jennings O'Donovan & Partners	
Project: Gortloughra Wind Farm	
Map Title: Protected Areas Relative to the Site and Grid Connection Route Options.	
Spatial Reference Name: IRENET95 Irish Transverse Mercator	
Figure Number: 9.5	Page Size: A3
Date Exported: 18/11/2024	Scale: 1:70,000
Revision Number: 1	Prepared By: DP
Tel: +353 (91) 897 583	Checked By: AG
Email: info@ecoquest.ie	
Web: www.ecoquest.ie	

Legend

- | | | | |
|---|---|---|--|
|  Special Area of Conservation (SAC) |  Salmonid River Regs (S.I. 293 only) |  Substation |  Access Road Layout & Hardstand Areas |
|  Proposed Natural Heritage Area (pNHA) |  Turbines |  Borrow Pit |  Met Mast |
|  EIAR Boundary |  Construction Compound |  River Network | |



Legend

Turbines

Met Mast

Buildings

Access Road Layout & Hardstand Areas

Both Grid

Connection Route Options

Borrow Pit

Hydrological Model

Drainage Channel (Surveyed)

Stormwater Flow Directions (Inferred)

Topography

Steep

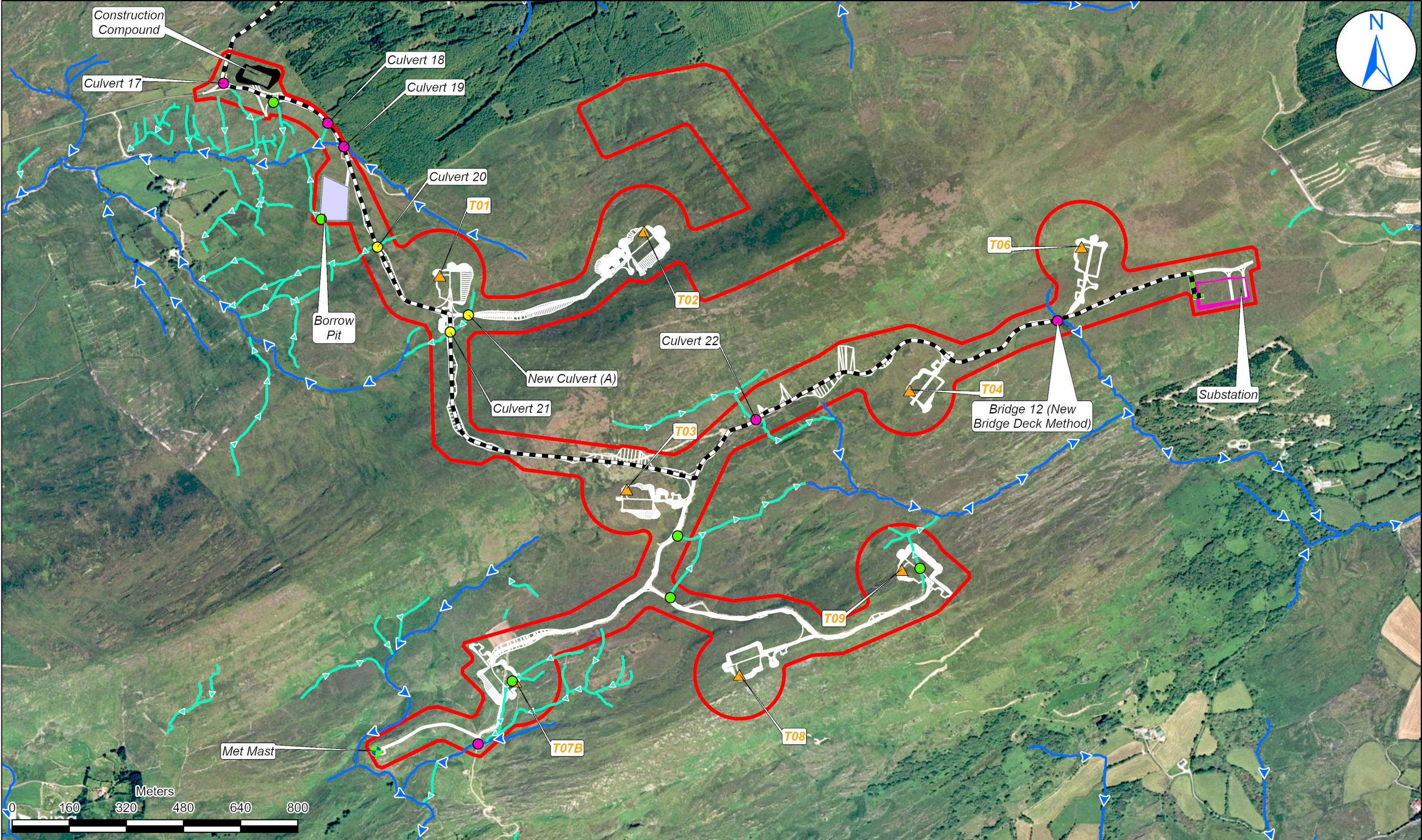
Flat

River Network

Lakes

Client: Jennings O'Donovan & Partners	
Project: Gortloughra Wind Farm	
Map Title: 3D Hydrological and Topographical Model of the Proposed Gortloughra Windfarm Site.	
Spatial Reference Name: IRENET95 Irish Transverse Mercator	
Figure Number: 9.6	Page Size: A3
Date Exported: 25/11/2024	Scale: 1:4,446
Revision Number: 2	Prepared By: DP
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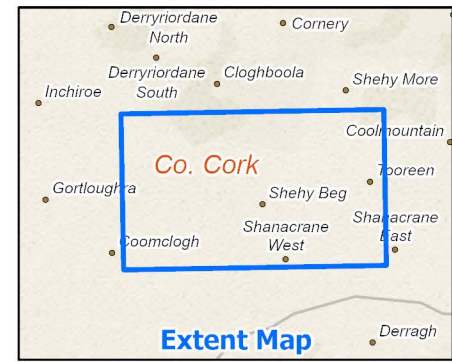


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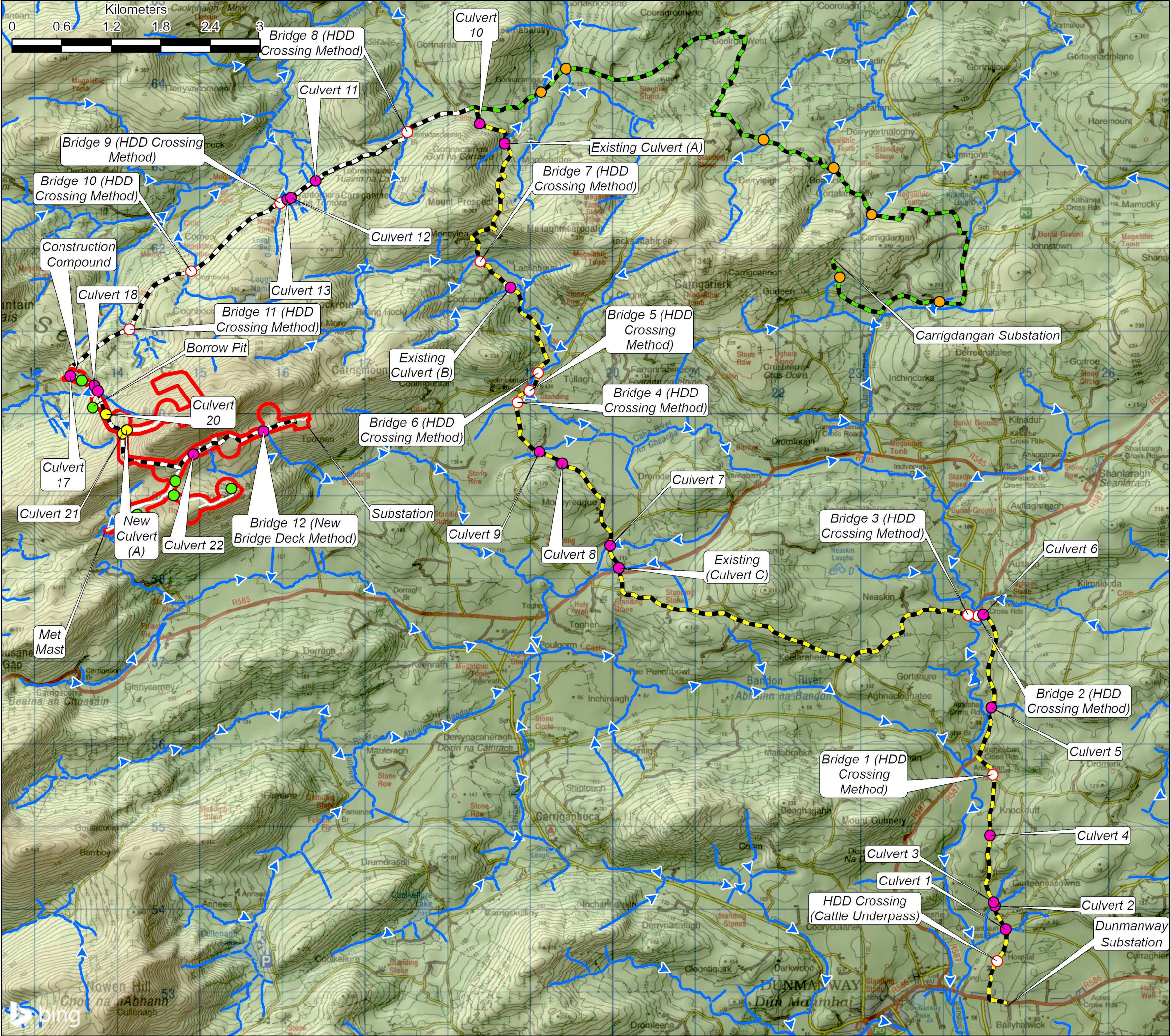
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| Turbines | Drainage Channel (Surveyed) | Watercourse Crossings, Diversions & HDD Locations | Possible Drain Diversion |
| EIAR Boundary | Both Grid Connection Route Options | | Existing Culvert |
| Met Mast | Substation | | Proposed Culvert |
| Construction Compound | Borrow Pit | | |
| River Network | | | |



TLI Group, Jennings O'Donovan & Partners and EcoQuest Environmental



Client: Jennings O'Donovan & Partners	
Project: Gortloughra Wind Farm	
Map Title: Watercourse Crossings & Drain Diversions	
Spatial Reference Name: IREN95 Irish Transverse Mercator	
Figure Number: 9.7A	Page Size: A3
Date Exported: 19/11/2024	Scale: 1:10,000
Revision Number: 3	Prepared By: DP
Tel: +353 (91) 897 583	Checked By: AG
Web: www.ecoquest.ie	Email: info@ecoquest.ie



Legend

EIAR Boundary

River Network

Grid Connection Route Options

Both Grid Connection Route Options

Carrigdangan Option

Dunmanway Option

Watercourse Crossings, Diversions & HDD Locations

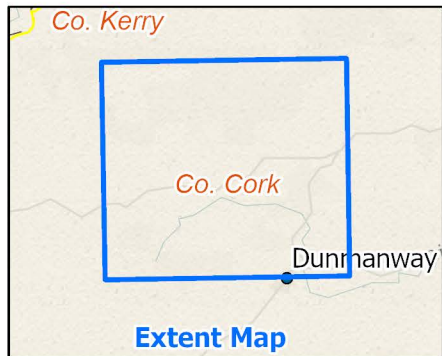
Existing Culvert

Proposed Culvert

Potential HDD

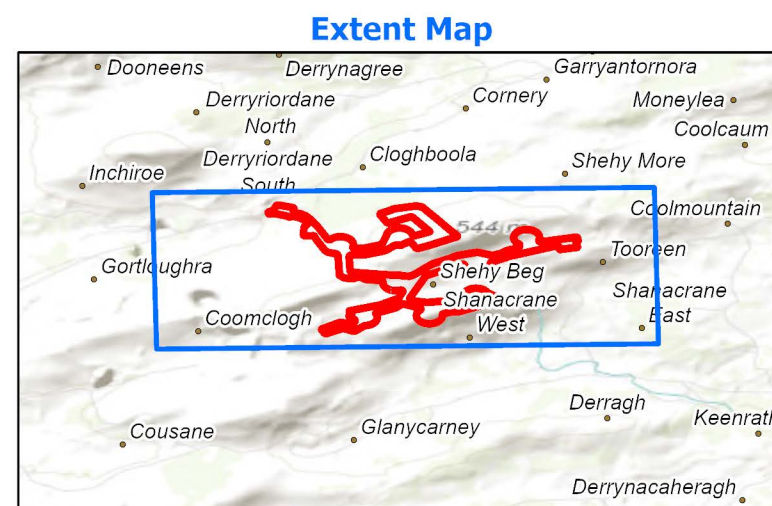
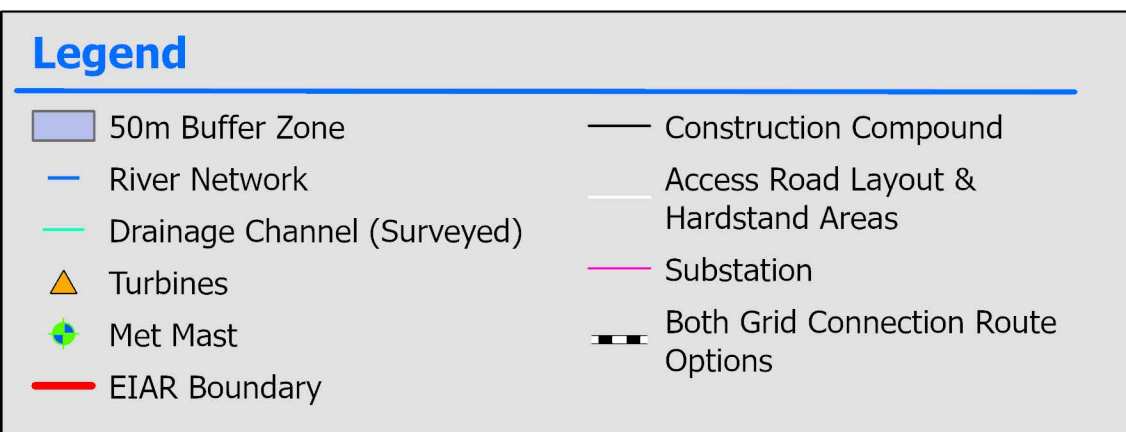
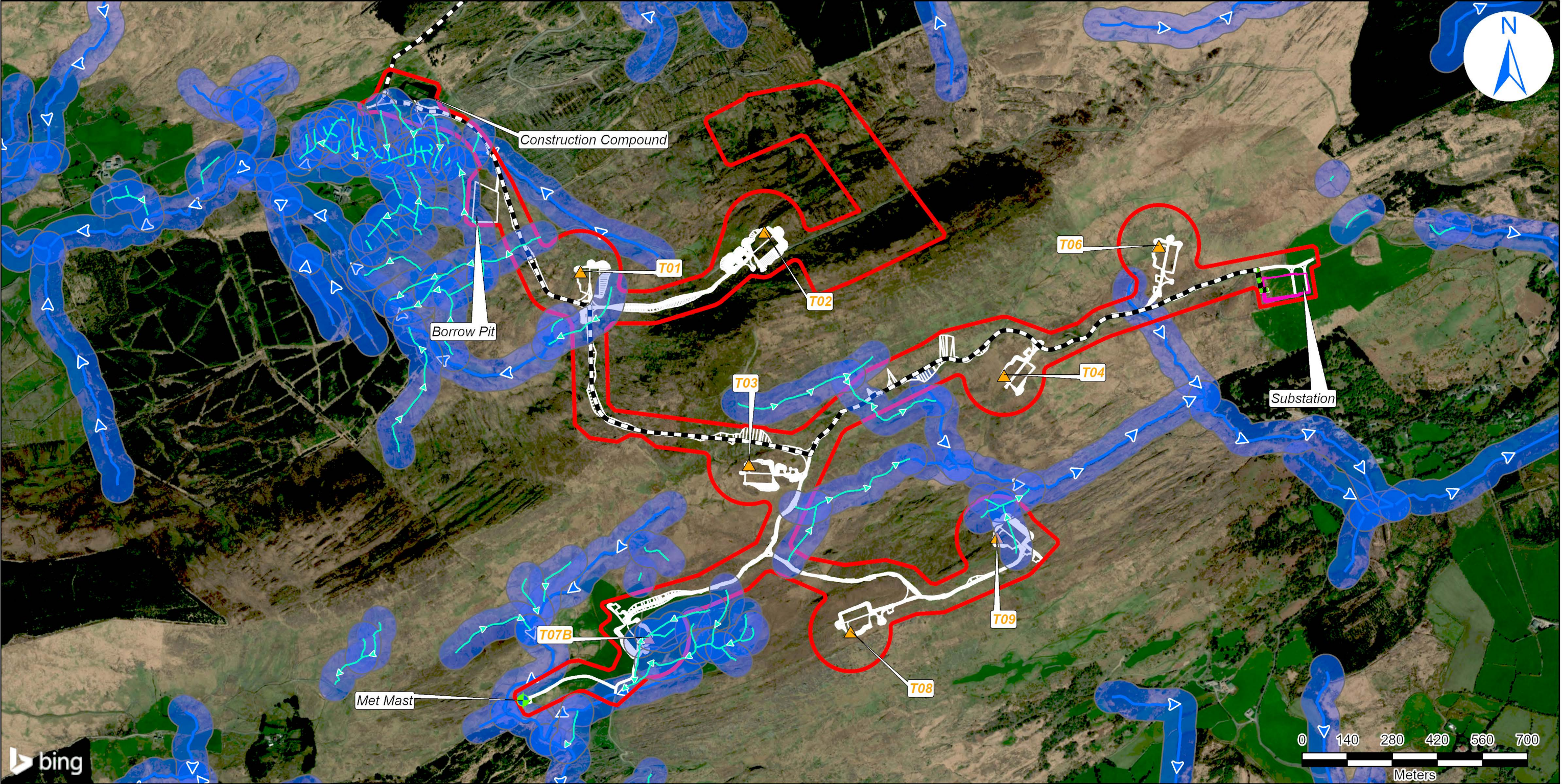
Possible Drain Diversion

HDD Required

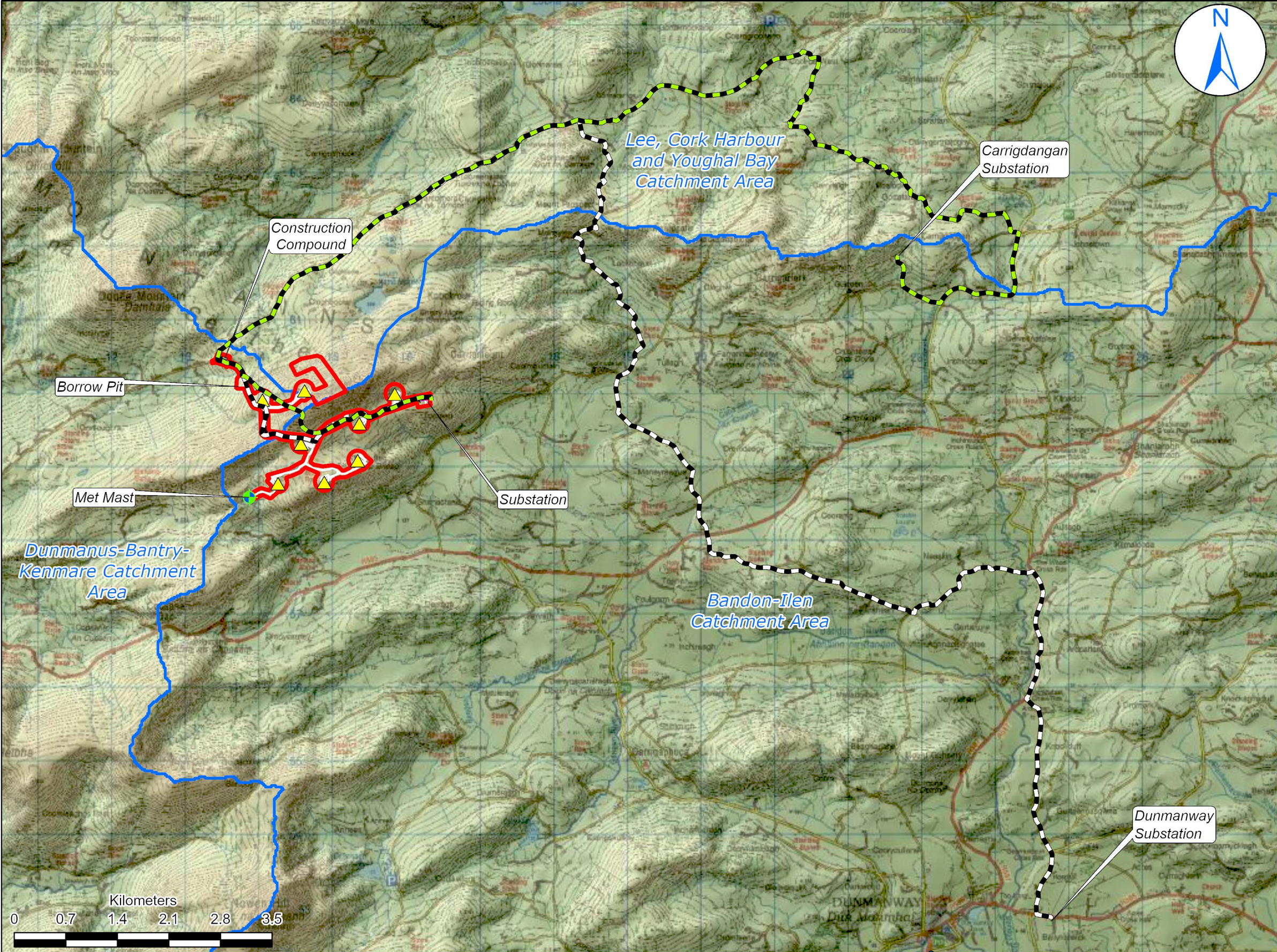


TLI Group, Jennings O'Donovan & Partners and EcoQuest Environmental

Client: Jennings O'Donovan & Partners	
Project: Gortloughra Wind Farm	
Map Title: Watercourse Crossings & Drain Diversions	
Spatial Reference Name: IREN95 Irish Transverse Mercator	
Figure Number: 9.7B	Page Size: A3
Date Exported: 19/11/2024	Scale: 1:45,000
Revision Number: 3	Prepared By: DP
Tel: +353 (91) 897 583	Checked By: AG
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




Client: Jennings O'Donovan & Partners	
Project: Gortloughra Wind Farm	
Map Title: Watercourse Positions Relative to the 50m Buffer Zone and Design Layout	
Spatial Reference Name: IREN95 Irish Transverse Mercator	
Figure Number: 9.8	Page Size: A3
Date Exported: 19/11/2024	Scale: 1:12,000
Revision Number: 1	Prepared By: DP
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Email: info@ecoquest.ie	
Web: www.ecoquest.ie	



Client: Jennings O'Donovan & Partners	
Project: Gortloughra Wind Farm	
Map Title: Water Framework Directive (WFD) Catchment Areas Relative to the Site & Grid Connection Route Options	
Spatial Reference Name: IREN95 Irish Transverse Mercator	
Figure Number: 9.9	Page Size: A3
Date Exported: 19/11/2024	Scale: 1:55,000
Revision Number: 1	Prepared By: DP
Tel: +353 (91) 897 583	Checked By: AG
Email: info@ecoquest.ie	
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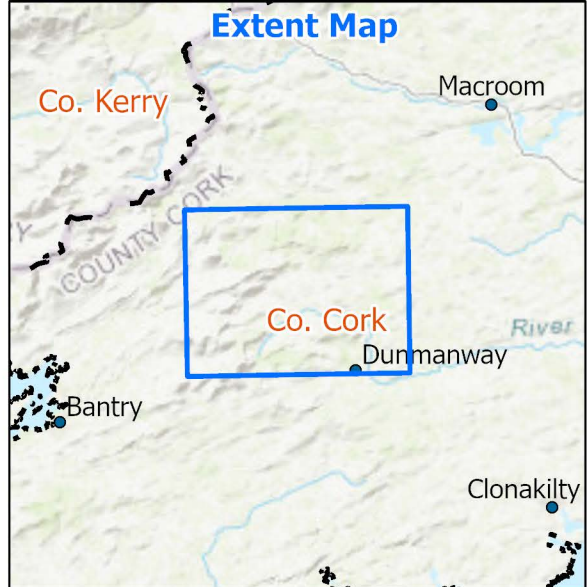
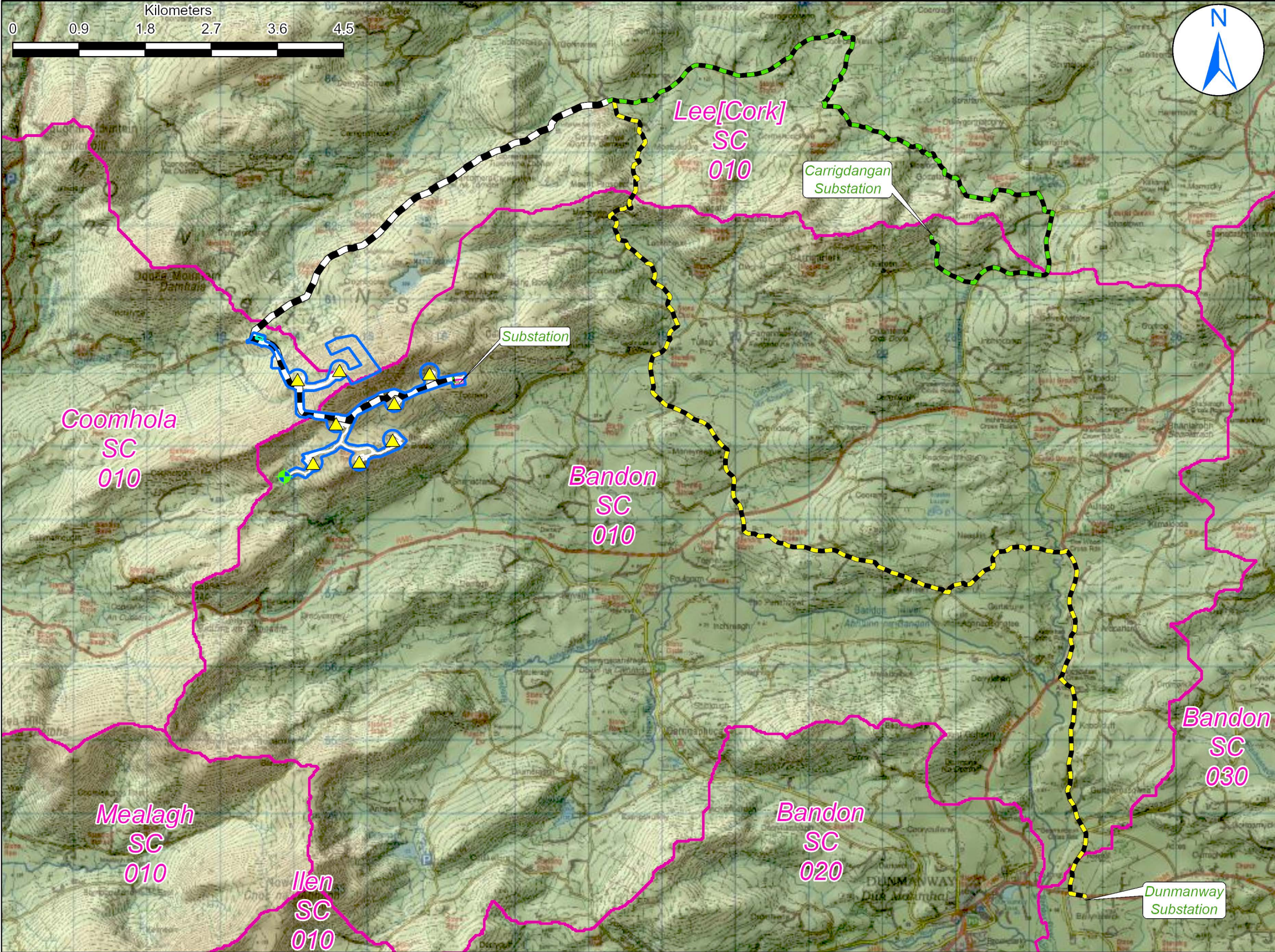
Legend

- | | | |
|--|--|---|
|  WFD Catchments |  Met Mast |  Carrigdangan Option |
|  EIAR Boundary | Grid Connection Route Options |  Dunmanway Option |
|  Turbines |  Both Grid Connection Route Options | |
|  Access Road Layout & Hardstand Areas | | |

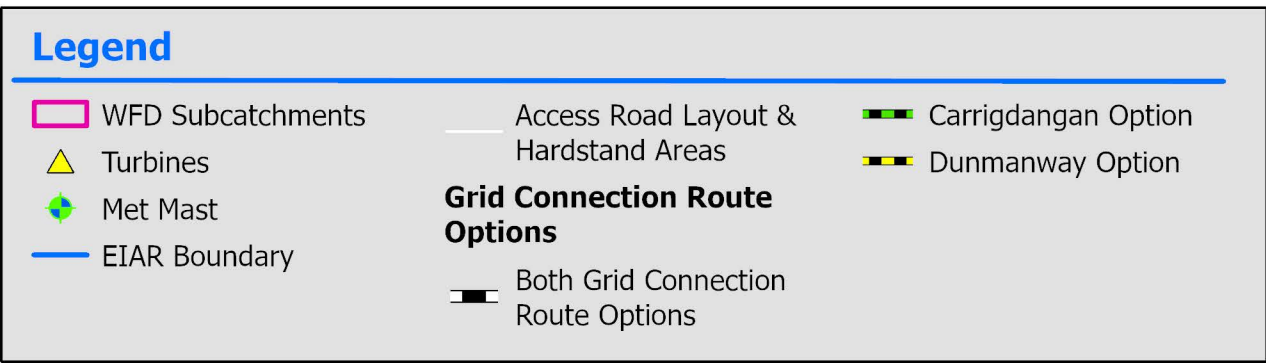
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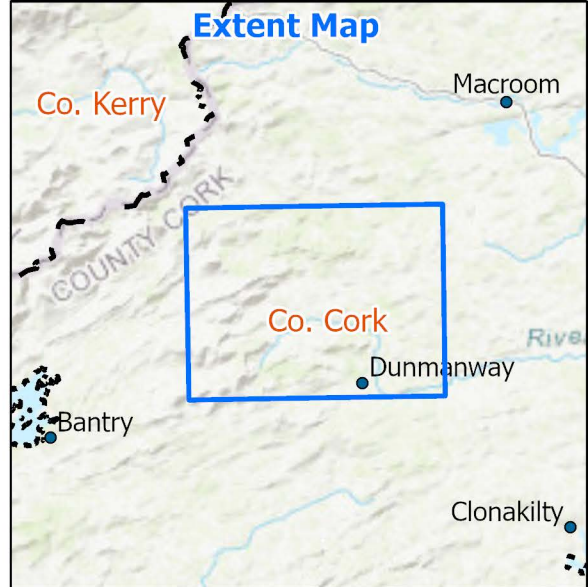
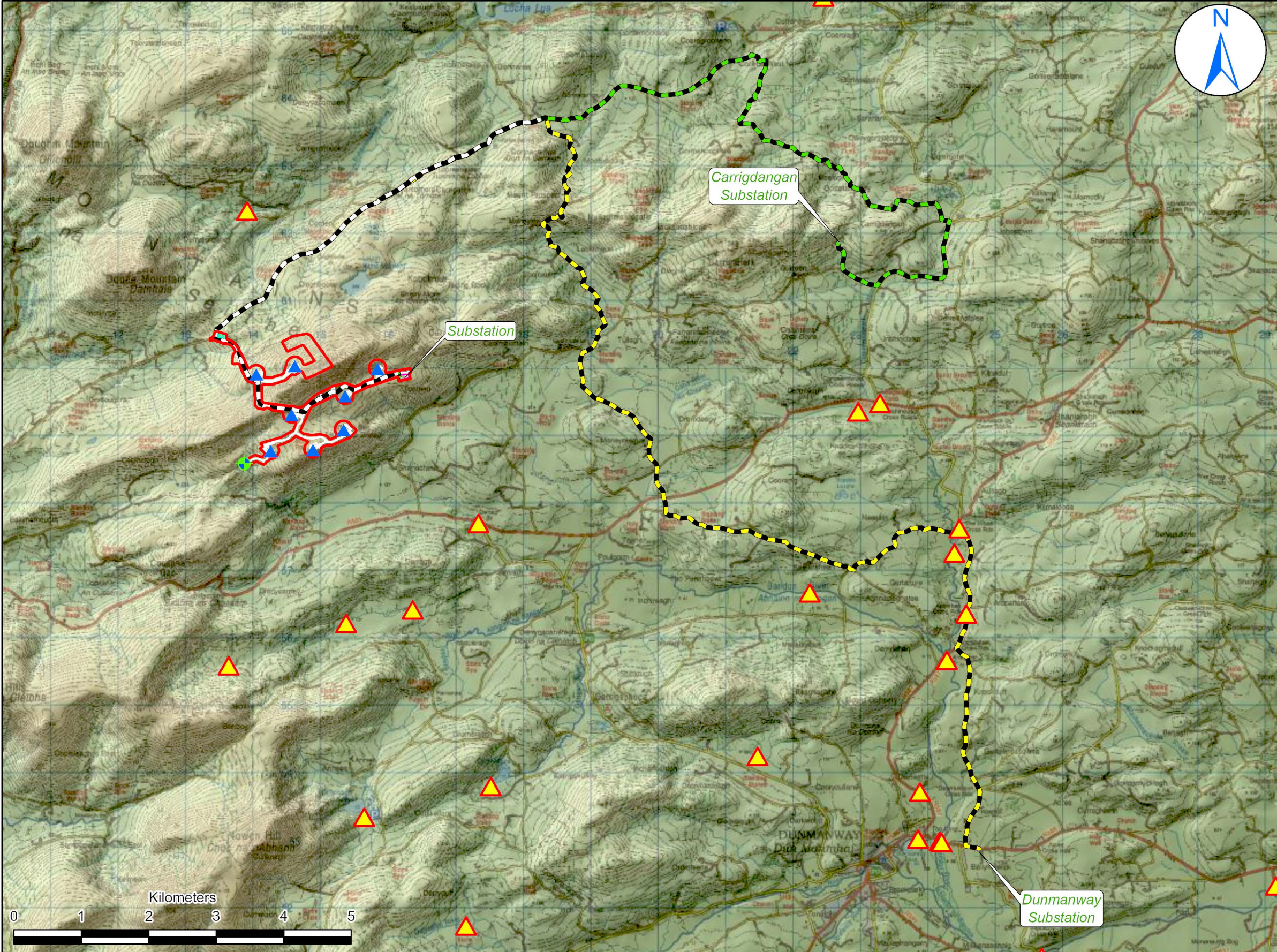
Client: Jennings O'Donovan & Partners	
Project: Gortloughra Wind Farm	
Map Title: Water Framework Directive (WFD) Subcatchment Areas Relative to the Site and Grid Connection Route.	
Spatial Reference Name: IREN95 Irish Transverse Mercator	
Figure Number: 9.10	Page Size: A3
Date Exported: 19/11/2024	Scale: 1:55,000
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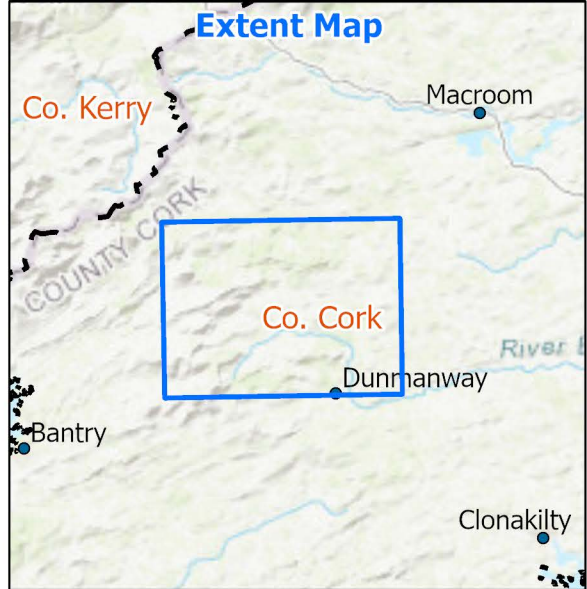
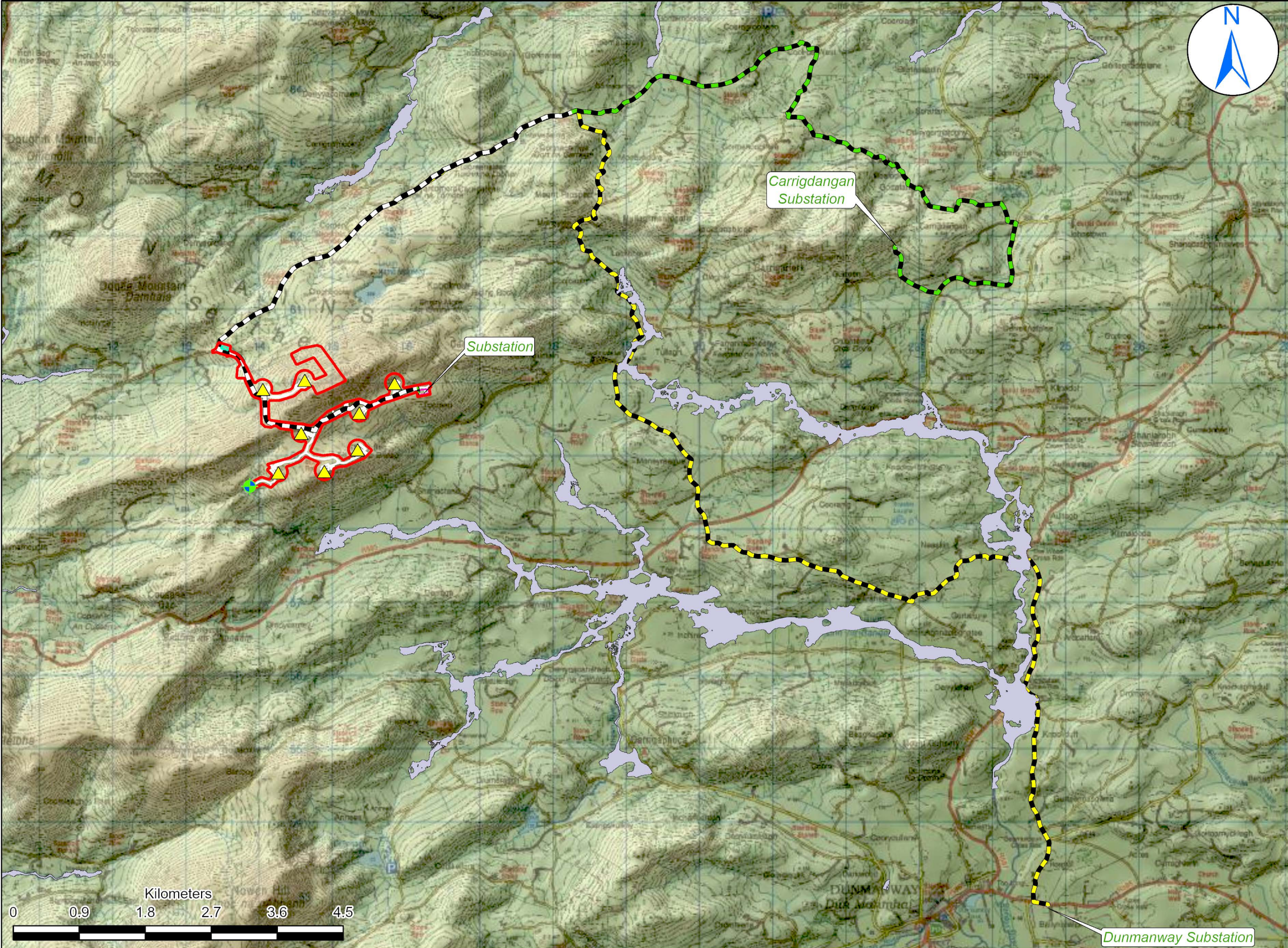
Client: Jennings O'Donovan & Partners	
Project: Gortloughra Wind Farm	
Map Title: Past Flood Event Locations Relative to the Proposed Site and Grid Connection Route Options.	
Spatial Reference Name: IREN95 Irish Transverse Mercator	
Figure Number: 9.11	Page Size: A3
Date Exported: 19/11/2024	Scale: 1:60,000
Revision Number: 2	Prepared By: DP
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Web: www.ecoquest.ie	

Legend

- Past Flood Events
- Turbines
- EIAR Boundary
- Met Mast
- Access Road Layout & Hardstand Areas
- Grid Connection Route Options**


 Both Grid Connection Route Options
- Carrigdangan Option
- Dunmanway Option


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
Client: Jennings O'Donovan & Partners	
Project: Gortloughra Wind Farm	
Map Title: National Indicative Fluvial Mapping - Low Probability - High End Future Scenario	
Spatial Reference Name: IREN95 Irish Transverse Mercator	
Figure Number: 9.12	Page Size: A3
Date Exported: 20/11/2024	Scale: 1:55,000
Revision Number: 2	Prepared By: DP
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Email: info@ecoquest.ie	
Web: www.ecoquest.ie	


Legend



-  National Indicative Fluvial Mapping - Low Probability - High End Future Scenario


 EIAR Boundary

 Met Mast

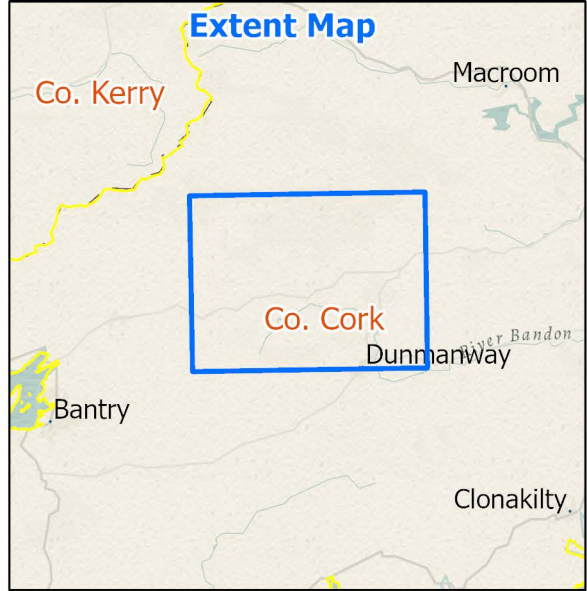
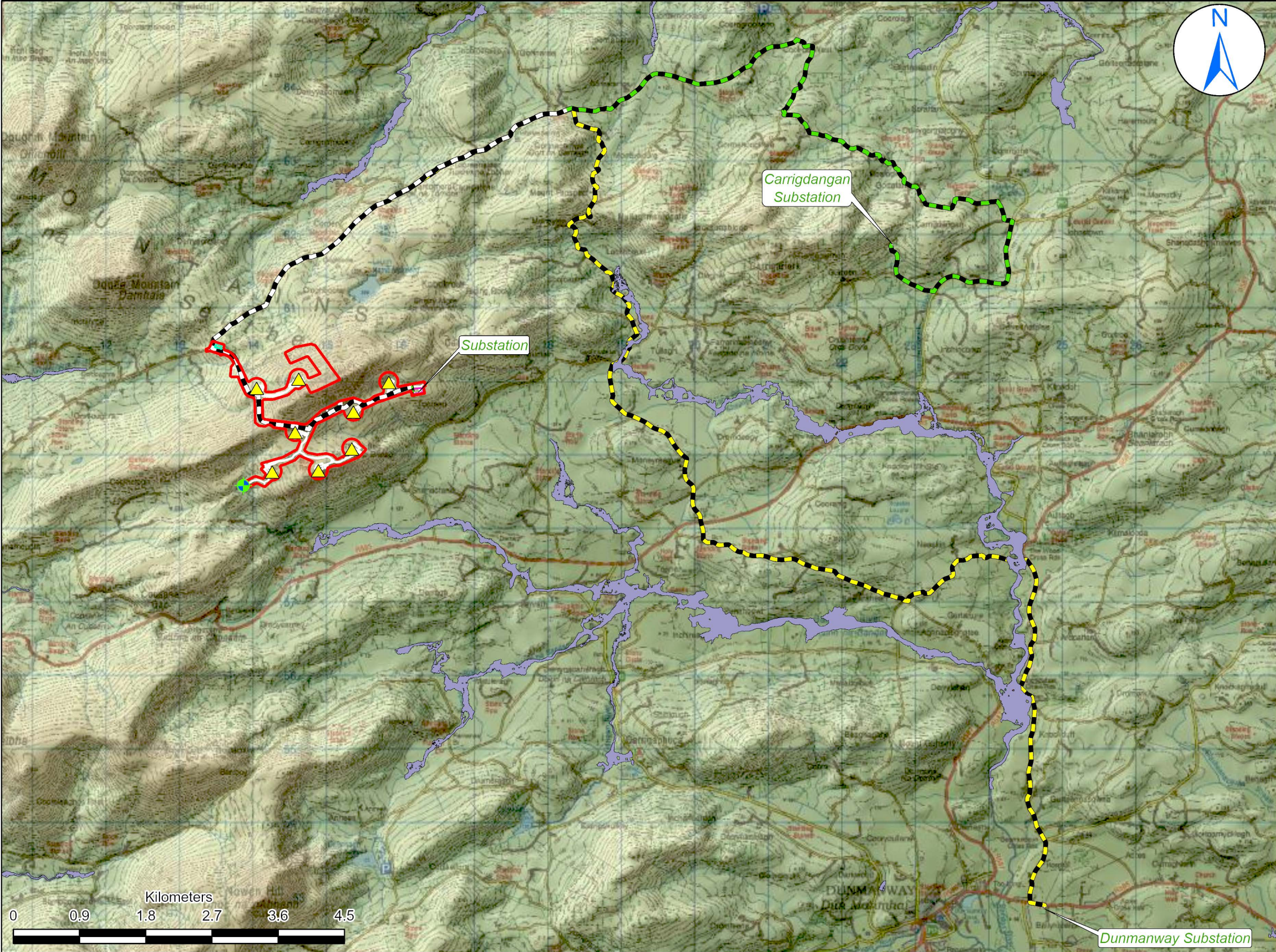
 Access Road Layout & Hardstand Areas


 Turbines
- Grid Connection Route Options**

 Both Grid Connection Route Options
-  Carrigdangan Option

 Dunmanway Option

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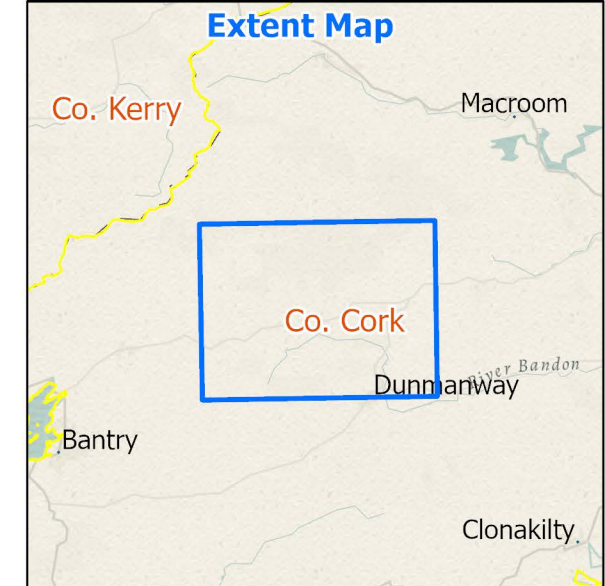
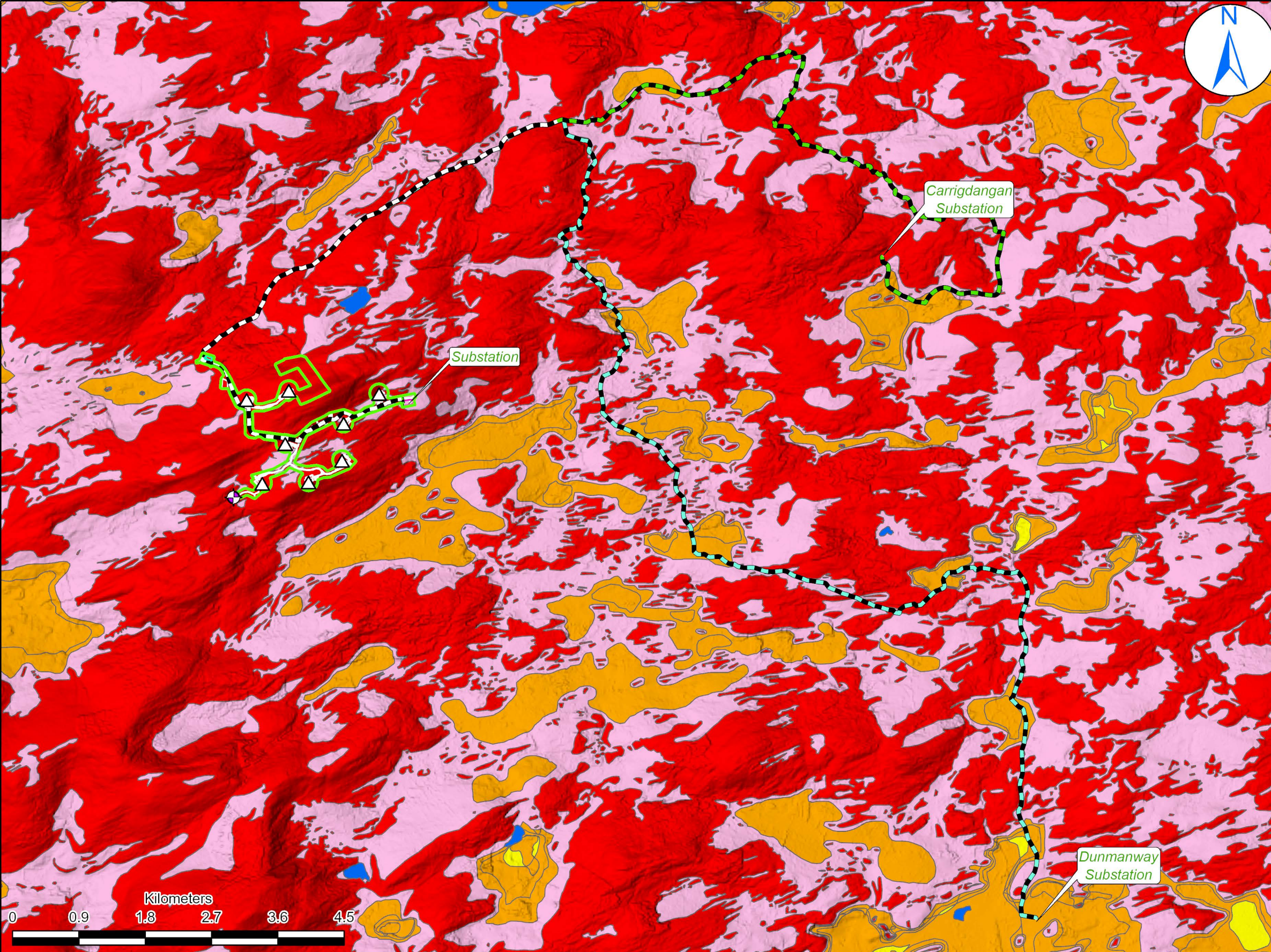



Client: Jennings O'Donovan & Partners	
Project: Gortloughra Wind Farm	
Map Title: Present Day Medium Probability Fluvial Flood Extent With an Annual Exceedance Probability of 1%.	
Spatial Reference Name: IREN95 Irish Transverse Mercator	
Figure Number: 9.13	Page Size: A3
Date Exported: 20/11/2024	Scale: 1:55,000
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Web: www.ecoquest.ie	

Legend


- | | | | |
|---|--------------------------------------|------------------------------------|---------------------|
| National Indicative Fluvial Mapping - Medium Probability - Current Scenario | EIAR Boundary | Grid Connection Route Options | Carrigdangan Option |
| Turbines | Met Mast | Both Grid Connection Route Options | Dunmanway Option |
| | Access Road Layout & Hardstand Areas | | |


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
Client: Jennings O'Donovan & Partners	
Project: Gortloughra Wind Farm	
Map Title: GSI Groundwater Vulnerability Mapping of the Site and Grid Connection Route.	
Spatial Reference Name: IRENET95 Irish Transverse Mercator	
Figure Number: 9.14	Page Size: A3
Date Exported: 20/11/2024	Scale: 1:55,000
Revision Number: 3	Prepared By: DP
Tel: +353 (91) 897 583	Checked By: AG
Email: info@ecoquest.ie	
Web: www.ecoquest.ie	

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
 Turbines


 EIAR Boundary

 Met Mast


 Access Road Layout & Hardstand Areas


Grid Connection Route Options


 Both Grid Connection Route Options


 Carrigdangan Option


Groundwater Vulnerability


 Extremely Vulnerable

 Highly Vulnerable

 Dunmanway Option

 Moderate Vulnerability

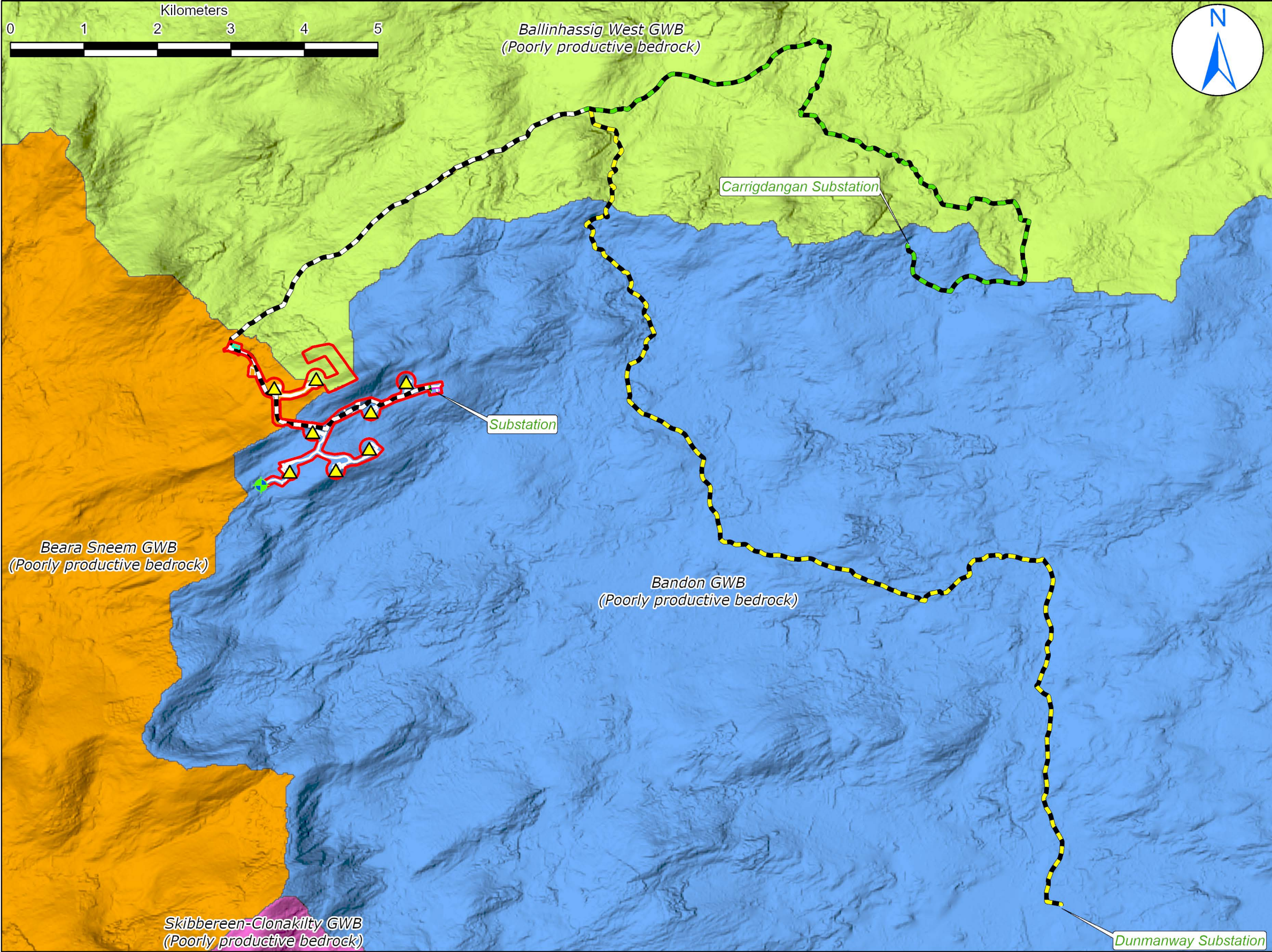
 Water

 Rock at or near surface

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
Client: Jennings O'Donovan & Partners	
Project: Gortloughra Wind Farm	
Map Title: GSI Groundwater Body Mapping of the Site and Grid Connection Route.	
Spatial Reference Name: IRENET95 Irish Transverse Mercator	
Figure Number: 9.15	Page Size: A3
Date Exported: 20/11/2024	Scale: 1:55,000
Revision Number: 3	Prepared By: DP
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Email: info@ecoquest.ie	
Web: www.ecoquest.ie	


Legend


-  Turbines


 EIAR Boundary


 Met Mast


 Access Road Layout & Hardstand Areas
- Grid Connection Route Options**


 Both Grid Connection Route Options


 Carrigdangan Option

 Dunmanway Option
- WFD Groundwater Bodies**

 Ballinhassig West

 Bandon

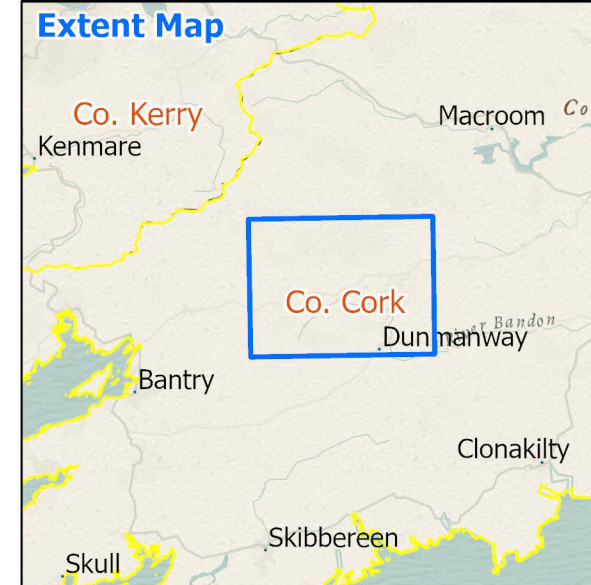
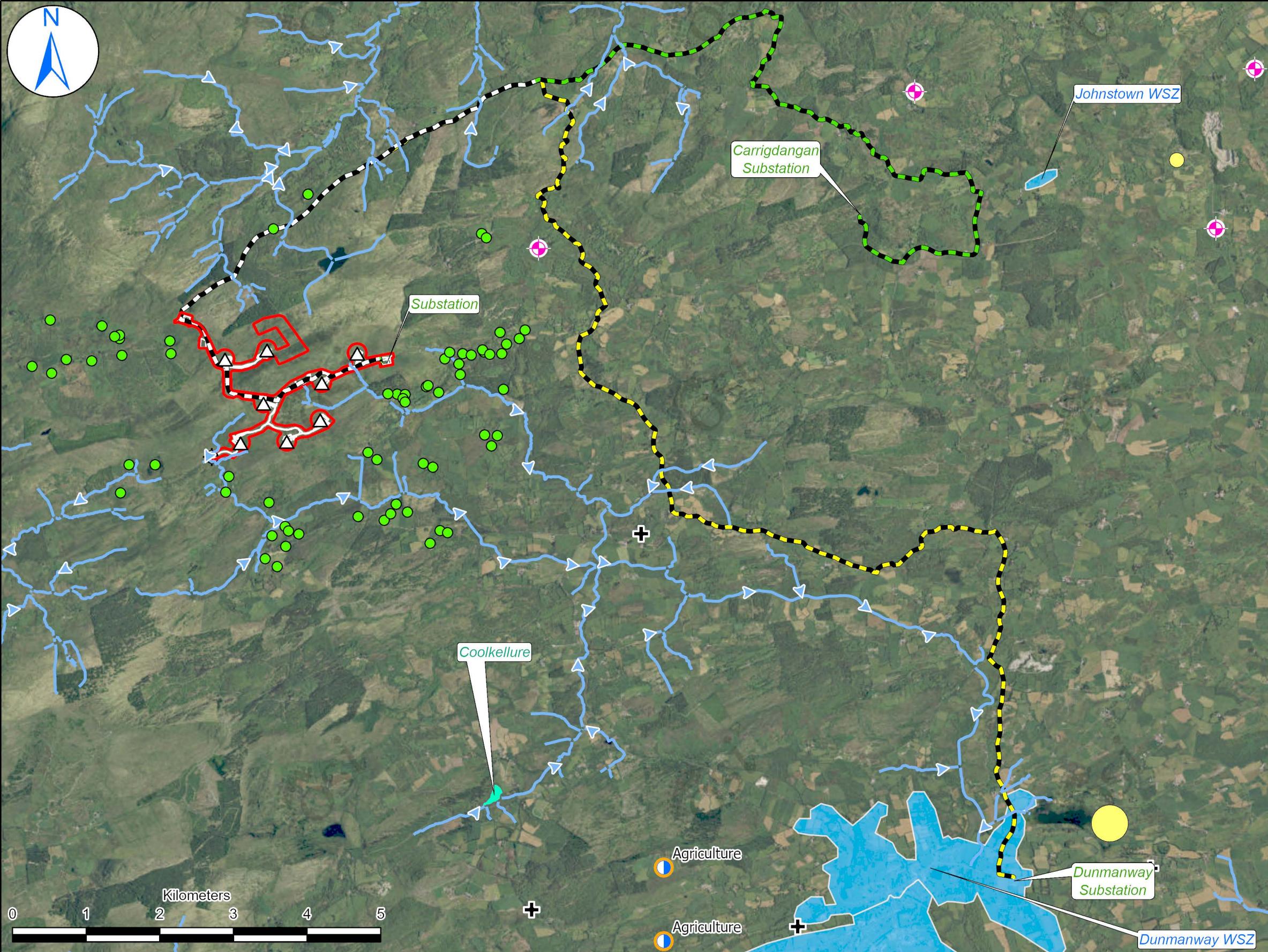
 Beara Sneem

 Skibbereen-Clonakilty

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

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Client: Jennings O'Donovan & Partners	
Project: Gortloughra Wind Farm	
Map Title: Dwellings Near the Site and Water Resources Relative to the Site and Grid Connection Route Options.	
Spatial Reference Name: IREN95 Irish Transverse Mercator	
Figure Number: 9.16	Page Size: A3
Date Exported: 20/11/2024	Scale: 1:55,000
Revision Number: 1	Prepared By: DP
Tel: +353 (91) 897 583	Checked By: AG
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Web: www.ecoquest.ie	

Legend

 Turbines	 Dwellings near the Site	 Water Supply Zones	Grid Connection Route Options  Both Grid Connection Route Options  Carrigdangan Option  Dunmanway Option	
 EIAR Boundary	 Wells 10-50m Accuracy	WFD RPAs - Drinking Water		
 Met Mast	 Wells 250-500m Accuracy	 Drinking Water - Rivers		
 Access Road Layout & Hardstand Areas	 Holy Wells	 Drinking Water -Surface Waterbodies		
	 EPA Abstraction Register			

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The EPA/GSI Wells and Springs databases are not comprehensive. The locations of records have different precisions depending on the source data and may vary from 10m to 1km (townland accuracy).