

Memorandum

To	Steven De Clerck, Collgar Renewables	From	MD Hossain, Aurecon
Copy	Aasif Rahim, Tom Butler	Reference	528866
Date	2025-08-23	Pages (including this page)	15
Subject	Tandegin Windfarm Flood Modelling Memo		
Approver	Patrick Hayes Associate Civil Engineer		

1 INTRODUCTION

1.1 Background

Collgar Renewables (the Client) has engaged Aurecon (AUR) to support the project Development Application (DA) process and ongoing development activities for Tandegin wind farm (the Project). The Project site is located approximately 25 km southeast of Merredin and 250 km east of Perth, Western Australia. The Project is proposed as an extension next to the existing Collgar 1 wind farm, which has been in operations since 2011 and comprises 111 wind turbine generators (WTGs).

This primary objective of this memorandum (memo) is to present high-level details of the Hydrologic and Hydraulic assessments and their results, which will serve as inputs for the civil design of the project. Refer Figure 1-1 for the site plan.

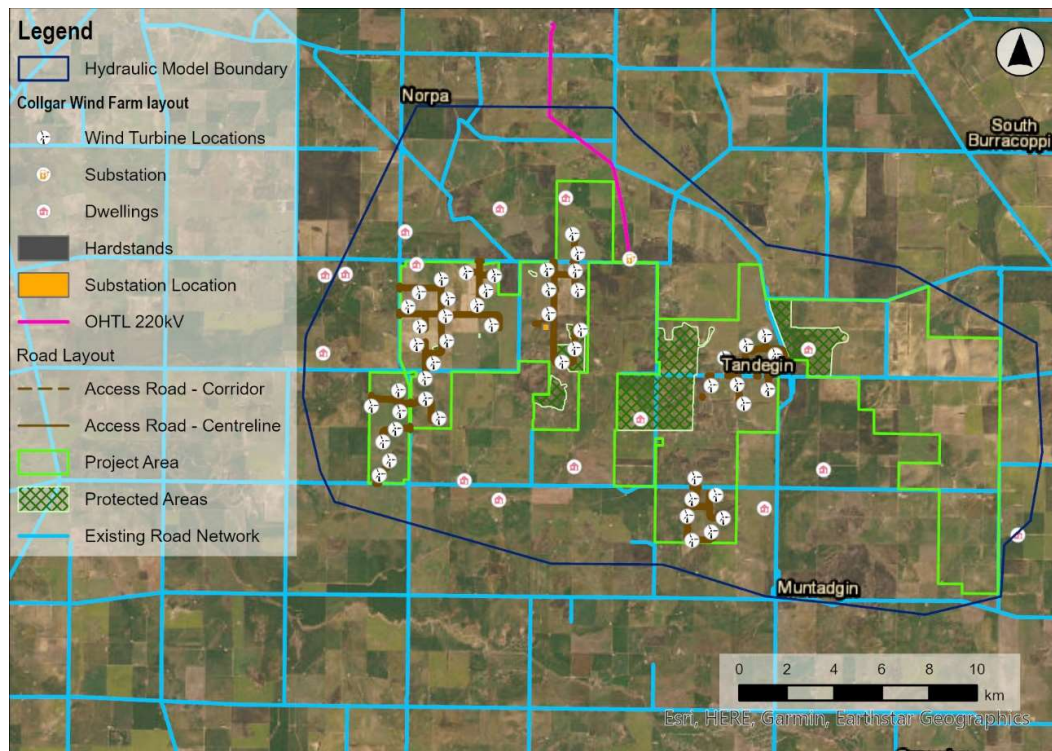


Figure 1-1 Tandegin Wind farm Site Plan

1.2 Scope of Works

This flood study memo details the methodology, assumptions, and finding of the flood modelling assessment for the proposed wind farm. The scope of this study includes:

Hydrologic Assessment

- Identify catchment boundaries and determine the hydrological context of the site, located within the Belka–Yilgarn River tributaries of the Avon River catchment.
- Undertake a high-level flood assessment to establish existing flood levels across the site for input into the site layout.
- Use the Regional Flood Frequency Estimation (RFFE) tool from *Australian Rainfall and Runoff* (ARR) 2019 to validate catchment flows in the absence of nearby streamflow gauges.
- Develop a hydrological model (e.g., RORB) to estimate surface runoff for contributing catchments.
- Model a full ensemble of storm durations and temporal patterns for the 5%, 2%, and 1% Annual Exceedance Probability (AEP) events, in accordance with ARR 2019 guidelines.
- Validate the RORB model against RFFE results or other available regional/local flood information.

Hydraulic Assessment

- Set up a location-specific TUFLOW hydraulic model for the site to simulate overland flow paths and flood behaviour for events interacting with the proposed development area.
- Use hydrographs from the hydrologic assessment as inflows to the hydraulic model.
- Focus on overland flow modelling (minor drainage structures excluded).
- Apply grid cell resolution based on available elevation data, with optional sub-grid sampling (SGS) for improved terrain representation.
- Simulate the median event for the 5%, 2%, and 1% AEP scenarios, validating against hydrologic outputs and RFFE estimates.
- Overlay the proposed wind farm layout on modelled flood levels and extents to identify flood risk areas, particularly near substations.

3. Mapping and Outputs

- Prepare mapping of peak flood depths and flood extents for the 5%, 2%, and 1% AEP events.
- Provide flood extents and depth mapping in formats suitable for integration into 12d design software.
- Summarise results in Flood Modelling Memo (this memo) to be used as a high-level reference for optimising the civil design layout.

1.3 Infrastructure Design Criteria

The critical wind farm infrastructure including access roads, hardstands and infrastructure pads shall be designed to the AEP requirements outlined in Table 1-1 below:

Table 1-1 Infrastructure Design Criteria

INFRASTRUCTURE	AEP REQUIREMENT (%)
Access Roads serviceability	5% AEP (1 in 20 year ARI)
Power Substations	1% AEP (1 in 100 year ARI)
Turbine Hardstands	1% AEP (1 in 100 year ARI)
Misc Pads	1% AEP (1 in 100 year ARI)

2 HYDROLOGY

The Tandegin Windfarm is located within the Belka-Yilgarn River tributaries of the Avon River catchment. Analysis of the DEM together with the Hydrography Linear (Hierarchy) dataset (DWER-031) indicates that the project area is positioned along local ridgelines with no significant upstream catchments contributing inflows into the site. Surface water is therefore generated locally within the project boundary and drains outward towards surrounding creeks, predominantly to the south and west.

2.1 Land Use

Land use data for the study area was sourced from the Digital Earth Australia (DEA) Land Cover dataset (Landsat), refer Figure 2-1. The dominant land use types within the catchments are Cultivated Terrestrial Vegetation (CTV) and (Semi-) Natural Terrestrial Vegetation (NTV).

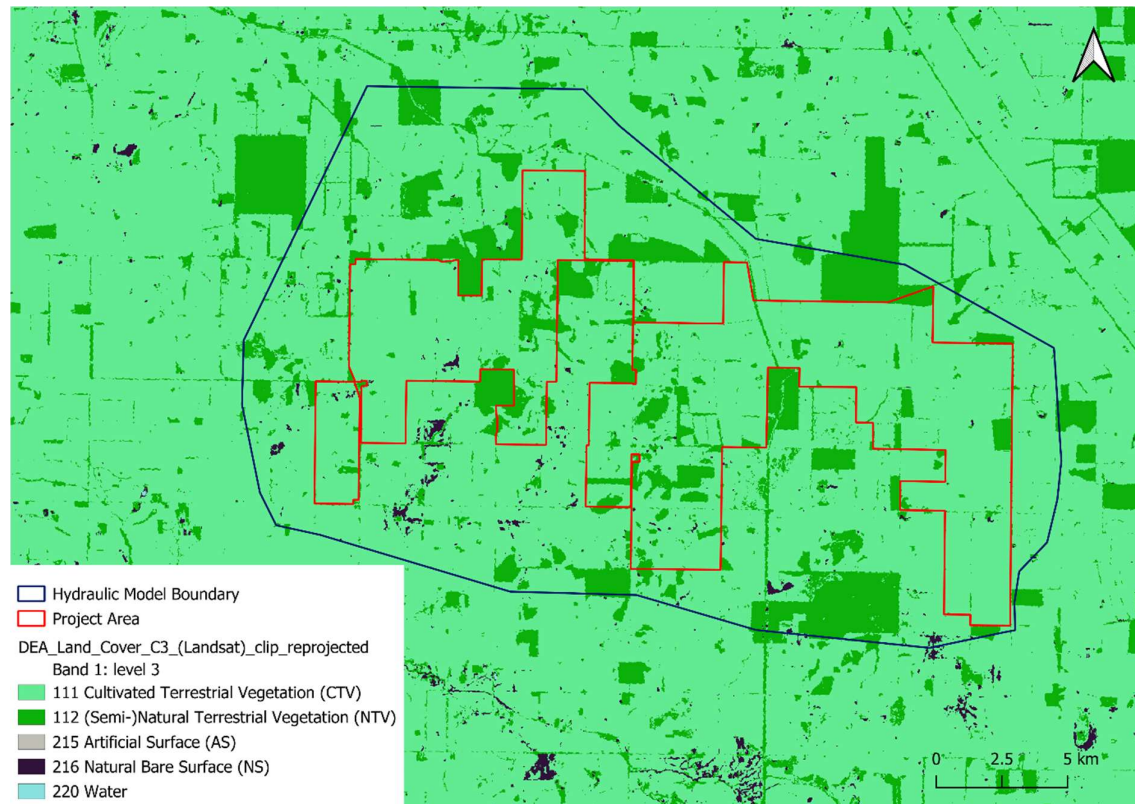


Figure 2-1 DEA Land Cover dataset (Landsat)

2.2 Hydrologic Modelling

The hydrological method followed the methodology set out in ARR19. This methodology involved taking IFD rainfall data and using the ensemble method whereby predefined aerial temporal patterns are applied to the rainfall data to produce 10 different storm patterns for each duration. Multiple durations were then used in the hydrological model for each event to determine the critical design peak outflow for the catchment.

2.2.1 Rainfall Data

A rain on grid approach is utilised in the TUFLOW model to simulate the local hydrology. In rain-on-grid modelling, rainfall is applied directly to each grid cell of a computational model. Unlike traditional methods where rainfall is applied to a defined catchment area or routed through hydrological models before entering the hydraulic model, rain-on-grid modelling bypasses these intermediate steps. This

approach allows for the simulation of how rainwater interacts directly with the land surface, considering variations in topography, land use, and drainage features.

This methodology aligns with ARR 2019 guidelines and is considered suitable for providing flood risk information within the site.

Intensity Frequency Duration (IFD) curves based on Australian Rainfall and Runoff 2019 (ARR19) were obtained from the Bureau of Meteorology's (BoM). Design rainfall depths for a range of event durations and probabilities are presented in Figure 2-2.

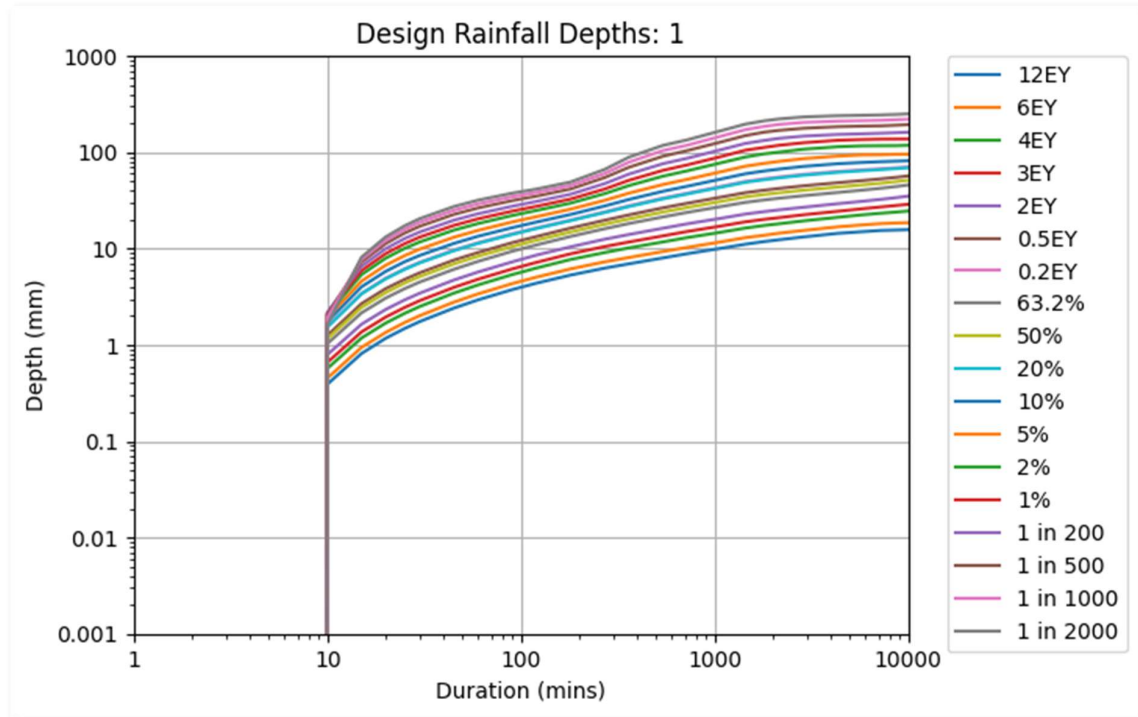


Figure 2-2 ARR Data Hub – Design Rainfall Data

2.2.2 Rainfall Losses

In accordance with ARR 2019, rainfall losses and pre-burst adjustments were applied to ensure realistic hydrologic representation of the site. Losses account for infiltration and temporary surface storage, with runoff estimated using the Initial Loss (IL) to represent rainfall absorbed before runoff commences, and Continuous Loss (CL) to capture ongoing infiltration and subsurface movement during storm events.

In addition, the median pre-burst depth was removed from rainfall inputs to isolate the main burst of rainfall that drives runoff, avoiding overestimation from preceding low-intensity rainfall. This approach ensures that the effective rainfall applied in the TUFLOW Rainfall-on-Grid modelling reflects realistic catchment responses across the full range of design events.

While ARR 2019 provides regional default values (Figure 2-3 and Figure 2-4), for this study the adopted IL and CL were taken from the Merredin Town Hydraulic Assessment (Main Roads Western Australia, 2025), as this dataset is considered more representative of the sandy soils and antecedent moisture conditions characteristic of the site. The adopted values are summarised in Table 2-1.

Table 2-1 Rainfall Losses (adopted from the Merredin Town Hydraulic Assessment, Main Roads Western Australia, 2025)

CATCHMENT	AEP	INITIAL LOSS (mm)	CONTINUING LOSS (mm)
Eastern	5%	35	3.5
	2%	35	3.5
	1%	15	2.5

ARR 2019 default Median Pre-burst depths are shown in Figure 2-3 for reference.

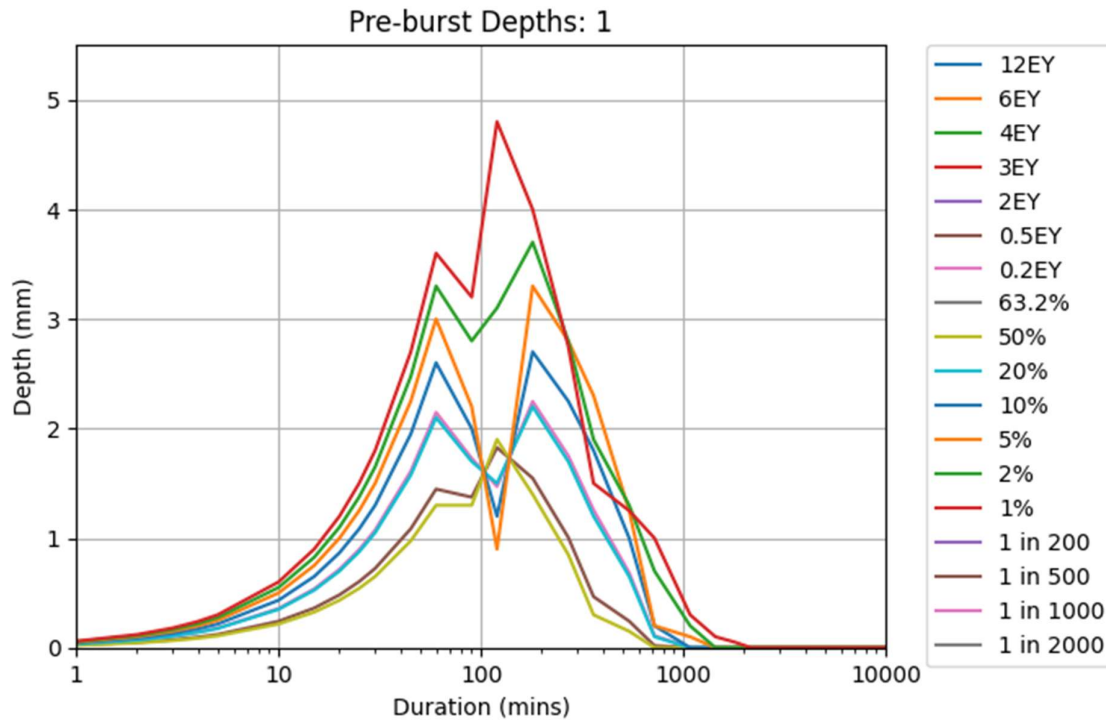


Figure 2-3 ARR Data Hub – Pre-Burst Depths

ARR 2019 default initial losses are shown in Figure 2-4 for reference.

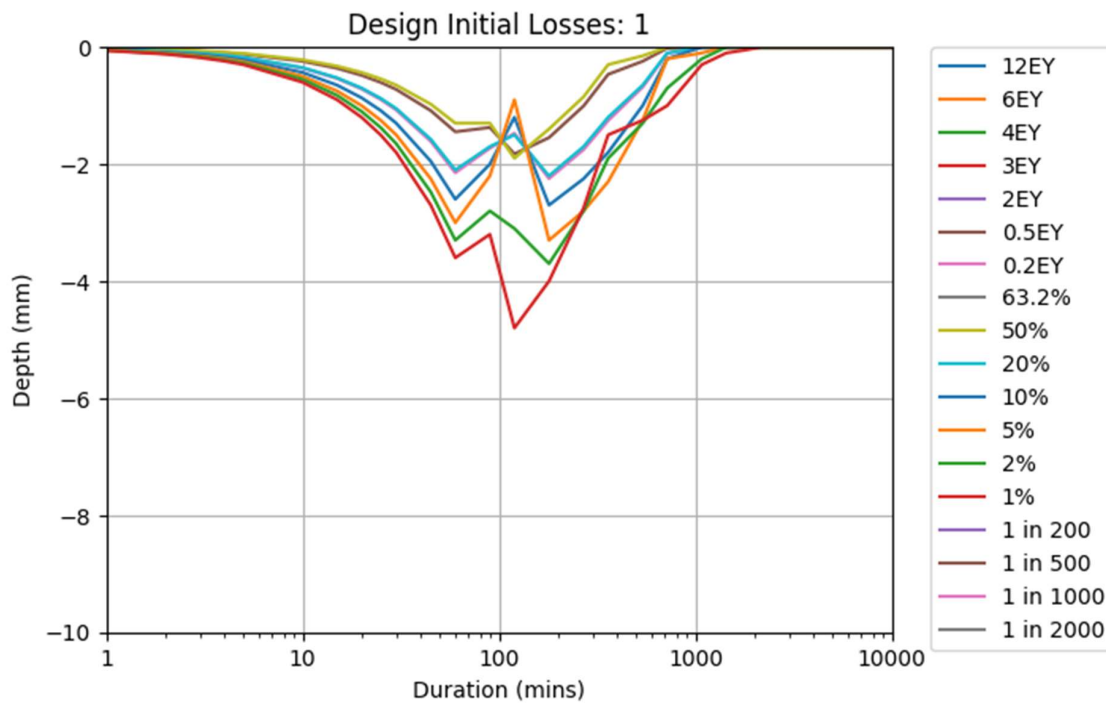


Figure 2-4 ARR Data Hub – Initial Losses

3 HYDRAULIC MODEL

A 1D/2D linked hydraulic model was developed using the modelling program TUFLOW to simulate overland flow, channel flows and flooding in the study area. TUFLOW is a grid based, 2D, hydrodynamic, free-surface, solver capable of simulating flood, tide, storm tide and coastal hydraulics and incorporates a 1D scheme using 1D/2D dynamic links. For this assessment, the surface topography was modelled as a 2D grid, representing overland flow paths. As part of this assessment, the TUFLOW Heavily Parallelise Compute (HPC) engine was adopted for the final model runs (TUFLOW version 2023-03-AE).

To model the runoff within the hydraulic model boundary, the Rain on Grid (RoG) method was adopted to evenly apply rainfall to all cells within the model boundary.

This section discusses the parameters and information used to develop the hydraulic model. The key model parameters are summarised in Table 3-1 below:

Table 3-1 TUFLOW Model Parameters Summary

MODEL PARAMETERS	VALUE	COMMENTS
Model Topography	0.5 m LiDAR DEM (project footprint) 30 m DEM for the remaining area	0.5m DEM (client provided) 30m DEM (FABDEM)
Model Solver	HPC adaptive timestep using GPU	
Grid Size and Sub Grid Sampling (SGS)	40m	SGS Sample Frequency = 3
Quadtree Nesting Level	2d_qnl layer	Nesting Level = 2 (Existing roads and project footprint)
Inflow Boundaries	2d_rf boundary	A 2d_rf rainfall boundary over the entire site
Outflow Boundaries	2d_bc HQ boundary.	The distances are sufficiently far from the areas of interest to avoid boundary impacts.
Manning's Roughness Assumption	Pasture: 0.06 Roads: 0.025 Buildings: 0.1 Ponds and other water: 0.03 Vegetated creek: 0.08 Cultivated Terrestrial Vegetation (CTV): 0.06 (Semi-)Natural Terrestrial Vegetation (NTV): 0.065 Natural Aquatic Vegetation (NAV): 0.05 Artificial Surface (AS): 0.025 Natural Bare Surface (NS): 0.03 Water: 0.01	

Durations and Temporal Patterns	Various durations from 10 minutes to 30 hours (10m, 20m, 30m, 45m, 1h, 1.5h, 2h, 3h, 4.5h, 6h, 9h, 12h, 18h, 24h and 30h) for the modelled AEP design rainfall events.	The model was run for all standard Point Temporal Patterns for all durations.
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3.1 Flood Model Results

The results for the 1% AEP flood event are discussed in this section. The flood mapping outputs for the 5%, 2% and 1% AEPs are included in Appendix A to Appendix D.

As noted in Table 3-1, the model was run for a range of durations and temporal patterns. The results were processed to create maximum median flood maps, which display the maximum results from the durations for the median values from the temporal patterns. The results in the flood maps show the critical design flood parameters at all locations across the modelled area.

The peak flood depth for the 1% AEP flood event is shown in Figure 3-1. This figure shows the access roads, substation and hardstands which will be impacted by flood water.

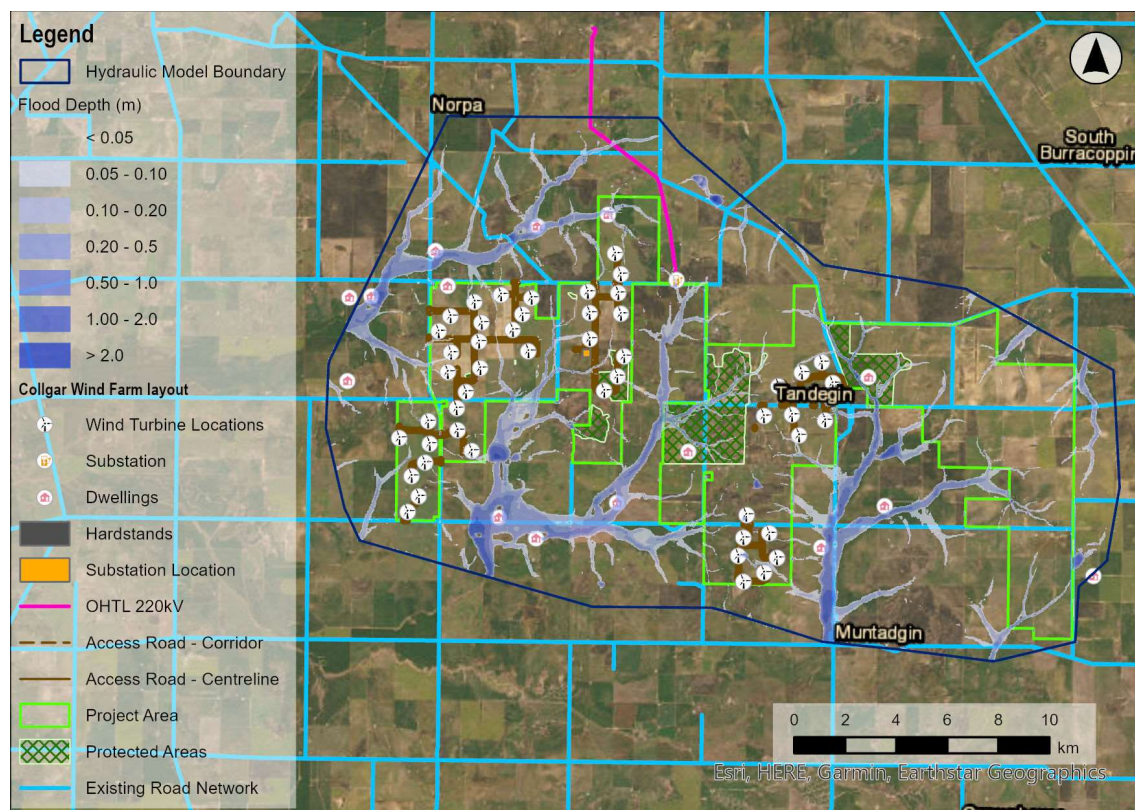


Figure 3-1 Peak Flood Depth for 1% AEP for the Existing Condition

The Peak flood level, velocity, and hazard category for the 1% AEP are also shown in Figure 3-2 to Figure 3-4 below.

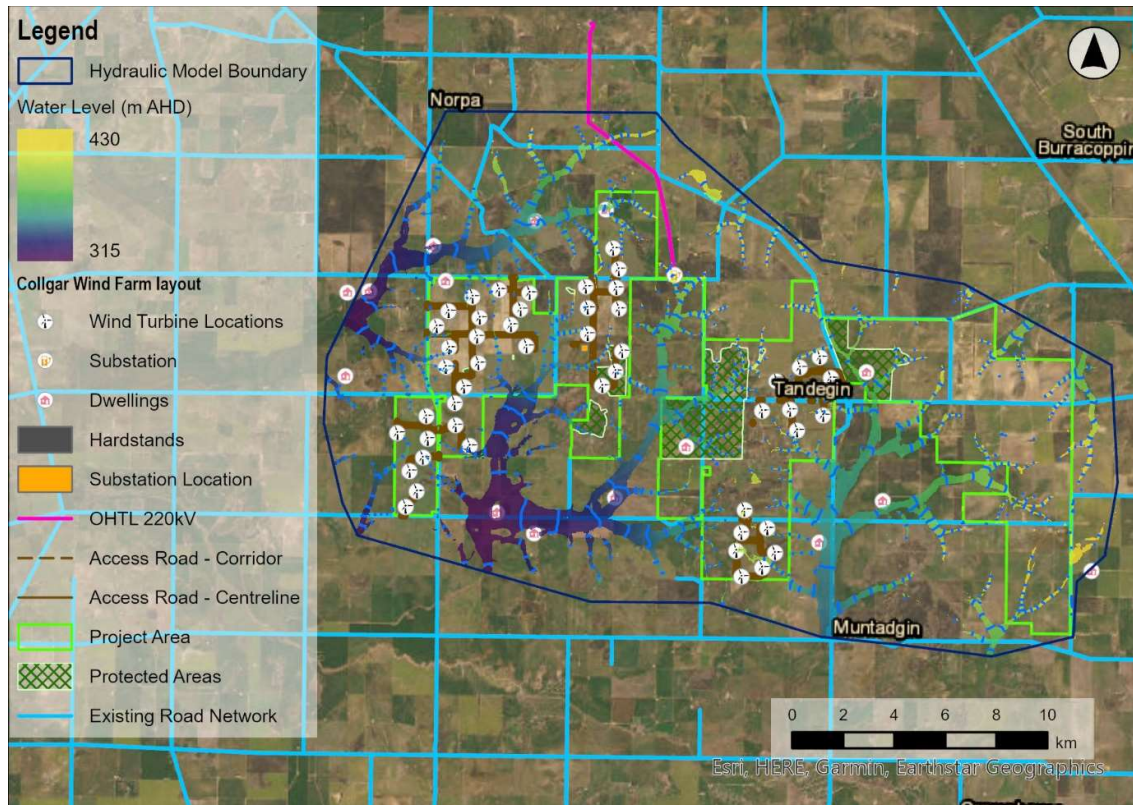


Figure 3-2 Peak Flood Level for 1% AEP for the Existing Condition

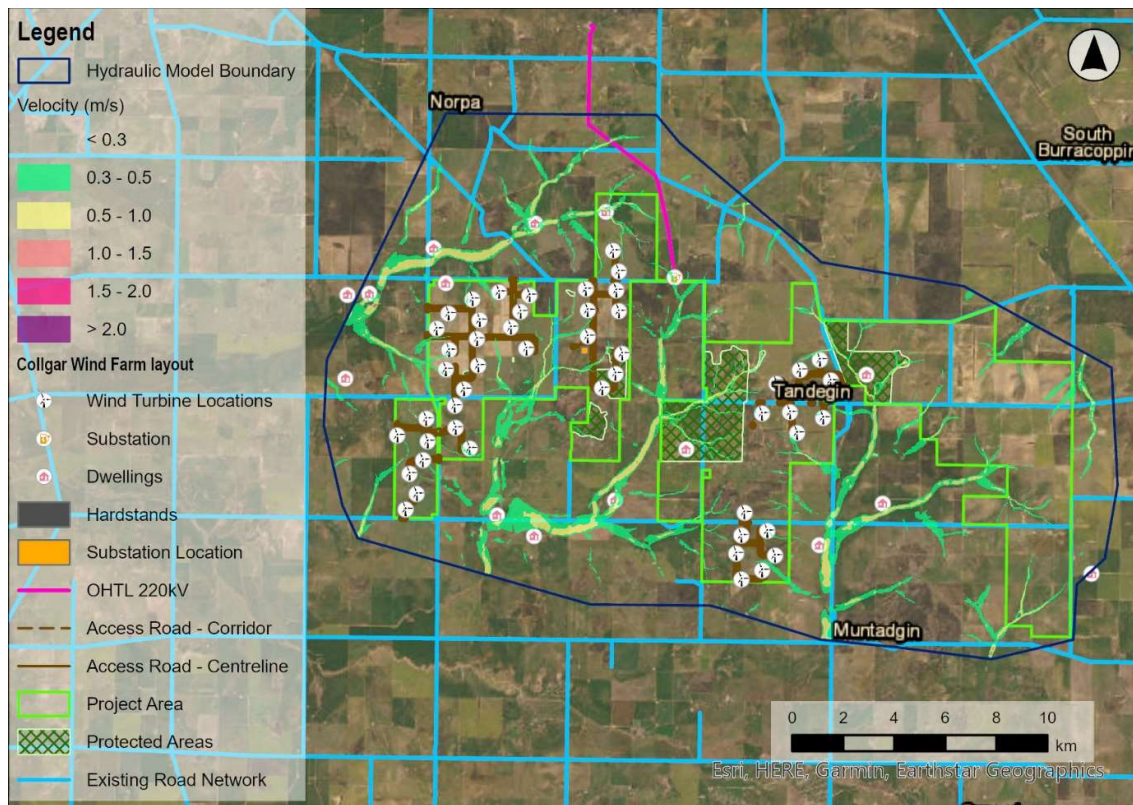


Figure 3-3 Peak Flood Velocity for 1% AEP for the Existing Condition

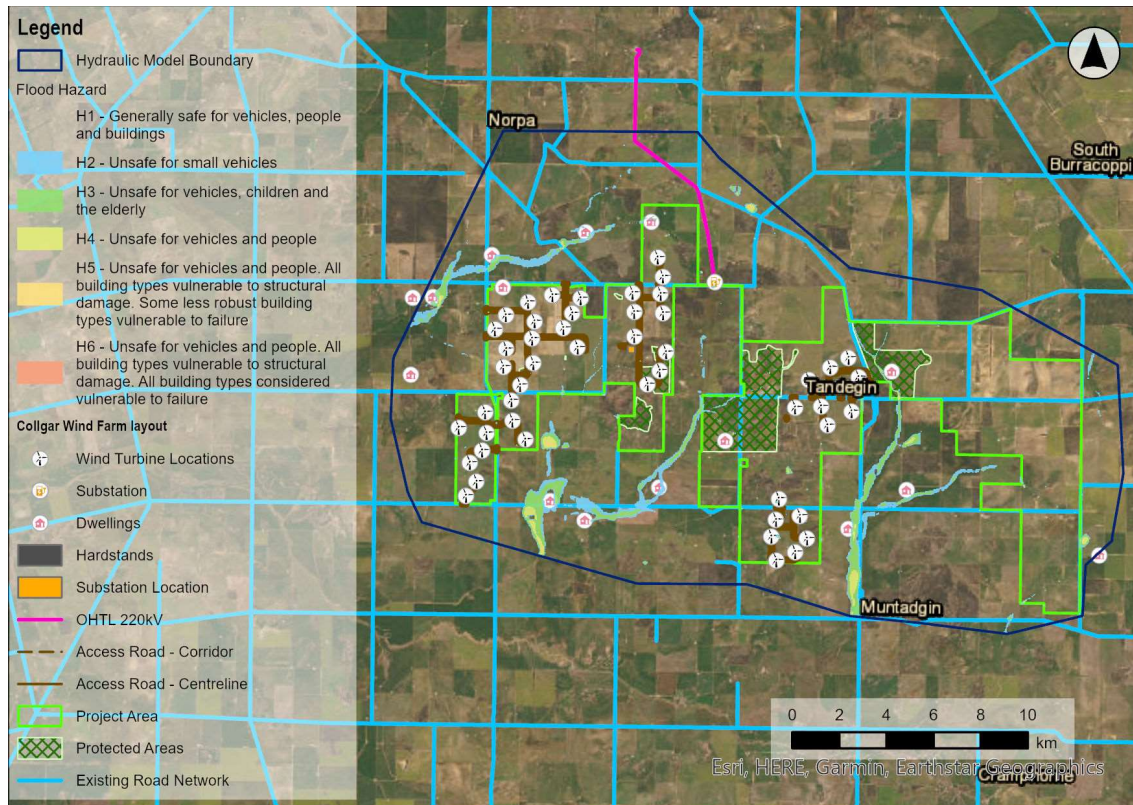


Figure 3-4 Peak Flood Hazard Category for 1% AEP for the Existing Condition

3.2 Flood Model Results Disclaimer

3.2.1 Model Output Interpretation

This flood model presents maximum envelope results rather than temporal snapshots. The flood maps display the maximum depth, height, velocity and ZAEM1 values that could potentially occur at each geographic point, regardless of timing. These results do not represent conditions at any single moment in time.

3.2.2 Intended Use

These results are designed for planning purposes and provide a worst-case scenario envelope for risk assessment and infrastructure planning. The simultaneous maximum approach offers a conservative foundation for:

- Emergency response planning
- Infrastructure design considerations
- Land use planning decisions
- Risk assessment frameworks

3.2.3 Important Considerations

Users should understand that:

- Actual flood events will likely be significantly less severe than these maximum envelope results
- The probability of experiencing the maximum values shown is extremely low
- Local drainage conditions and real-time meteorological factors will influence actual flood behaviour

- For questions regarding methodology or specific applications of these results, please consult with qualified flood risk professionals.

4 MODELLING ASSUMPTIONS & LIMITATIONS

This flood study has been undertaken based on a set of assumptions and limitations that influence scope, methodology and the outcomes of the analysis. These are outlined below:

- The assessment has been undertaken in accordance with Australian Rainfall and Runoff 2019 (ARR 2019) guidelines.
- This assessment provides a high-level understanding of flood risk based on data available at the time of the study. A review of the analysis should be undertaken should design level or flood impacts be required.
- The analysis considers flood risk at a broad project scale. Localised drainage issues are not captured and would require refined localised modelling to inform any site stormwater management strategies and designs.
- The filling of land or excavation and levelling may alter the ground levels locally, and as such may influence flood behaviour.
- The hydraulic model incorporates a combination of the client-supplied 0.5m LiDAR DEM and 30 m FABDEM. The model adopts a 40m grid with sub-grid scale sampling at 20m. At this resolution, channel definition and other features are well represented in the model for the purposes of flood risk mapping.
- Flood conditions beyond the 0.5m DEM which utilised 30m FABDEM may not be accurately captured by the flood model due to the DEM's low resolution.
- Post-development flood modelling has not been undertaken, as these adjustments to the site layout based on this investigation's findings may require adjustments that should be assessed in further design stages.
- Rainfall runoff estimate has been undertaken on historical rainfall probabilities and no assessment on increased flood risk due to climate change has been made.
- The model does not assess the impact of any proposed wind farm drainage or road infrastructure.

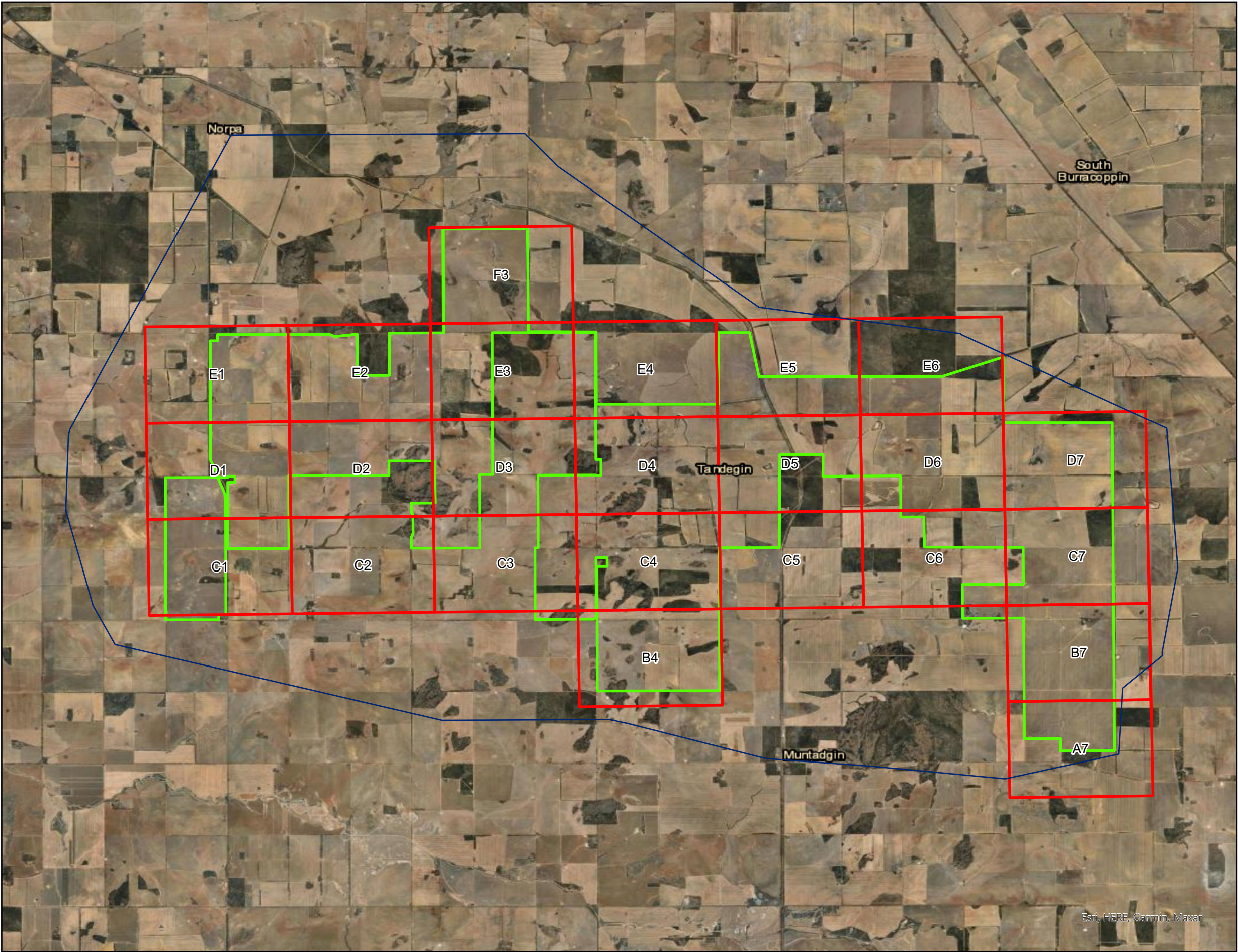
5 CONCLUSION

This flood modelling study has been undertaken for the Tandegin Wind Farm under existing pre-development conditions. A hydraulic model was developed in TUFLOW, in-line with the principles and methodologies outlined in the Australian Rainfall and Runoff 2019 (ARR 2019) guidelines. The model was simulated for the 1%, 2% and 5% Annual Exceedance Probability (AEP) design rainfall events across a wide range of durations to capture critical flood behaviour across the site.

The outcomes of the study have been presented as flood maps, providing a high-level understanding of flood risk within the project area. These results are intended to support the design development of the proposed wind farm infrastructure by highlighting areas subject to potential flooding and guiding future design considerations.

APPENDICES

Appendix A – Index Map



Legend

- Hydraulic Model Boundary
- Grid
- Project Area



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Rev A



0 12,500 25,000 50,000 m

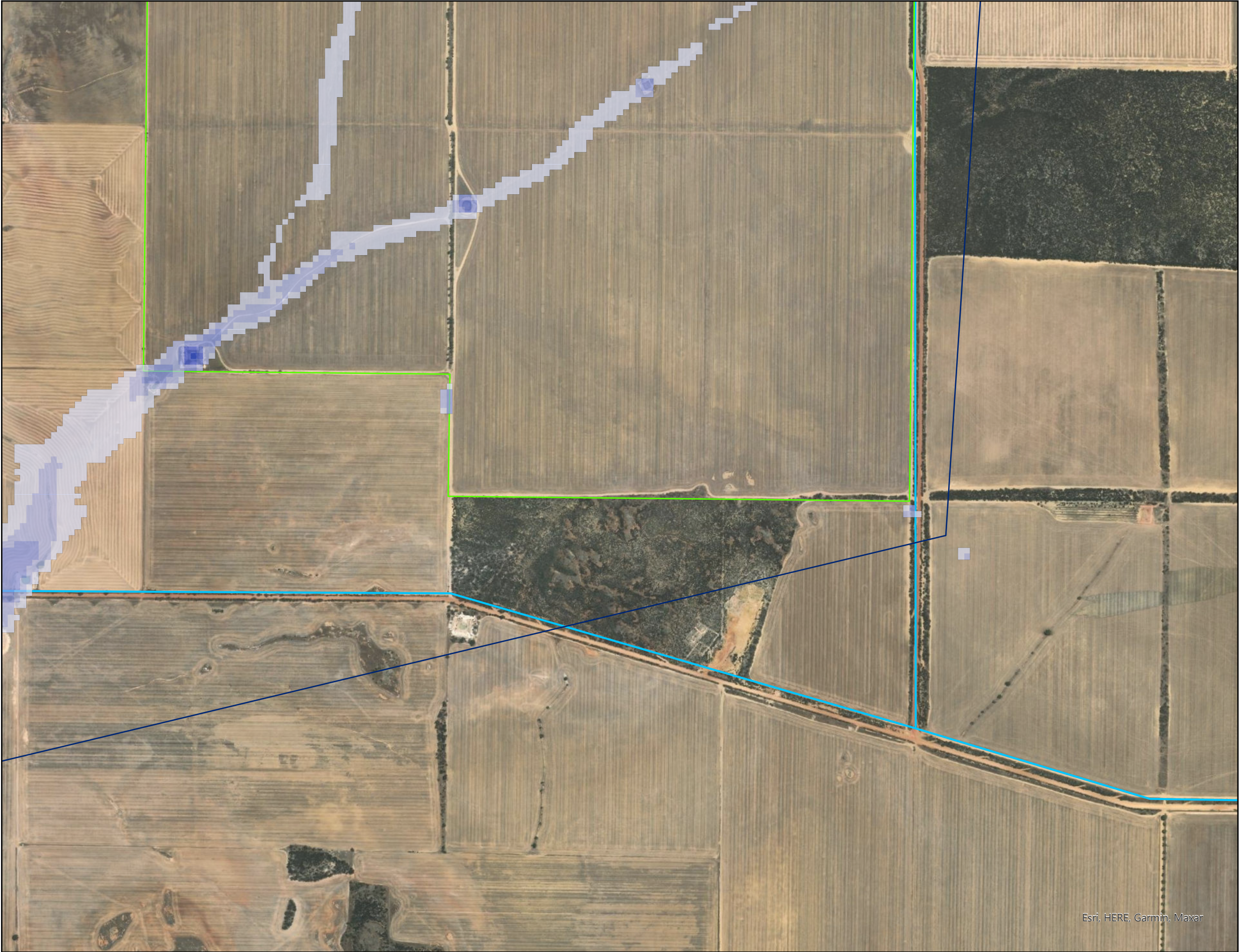
A3 Scale: 1:125,000

EPSG:4326

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Appendix B – 5% AEP Flood Maps



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

0.50 - 1.0

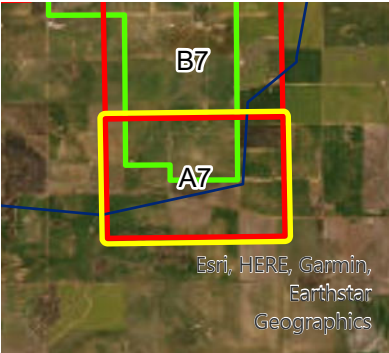
1.00 - 2.0

> 2.0

Collgar Wind Farm layout

Project Area

Existing Road Network



Esri, HERE, Garmin, Maxar

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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

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Collgar Wind Farm - Existing
5% AEP - Flood Depth



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

0.50 - 1.0

Collgar Wind Farm layout

Wind Turbine Locations

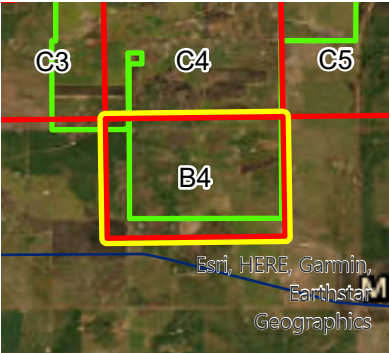
Hardstands

Access Road - Corridor

Access Road - Centreline

Project Area

Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

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Collgar Wind Farm - Existing

5% AEP - Flood Depth



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

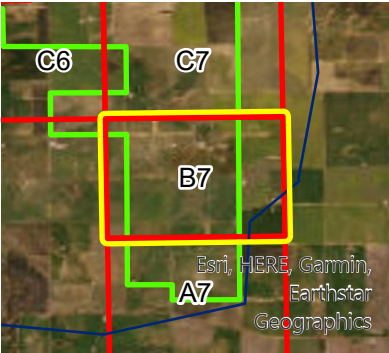
0.50 - 1.0

Collgar Wind Farm layout

Dwellings

Project Area

Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

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Collgar Wind Farm - Existing
5% AEP - Flood Depth



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

0.50 - 1.0

1.00 - 2.0

Collgar Wind Farm layout

Wind Turbine Locations

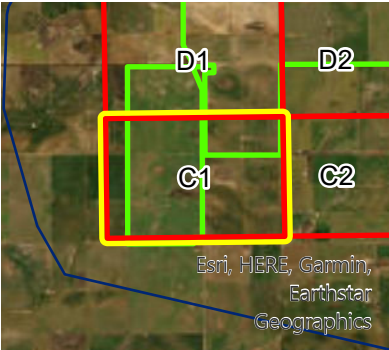
Hardstands

Access Road - Corridor

Access Road - Centreline

Project Area

Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

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Collgar Wind Farm - Existing
5% AEP - Flood Depth



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

0.50 - 1.0

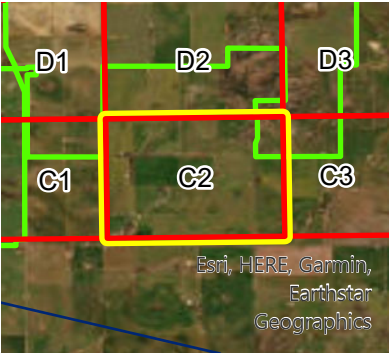
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Collgar Wind Farm layout

Project Area

Protected Areas

Existing Road Network



Esri, HERE, Garmin, Maxar

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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

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Collgar Wind Farm - Existing

5% AEP - Flood Depth



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

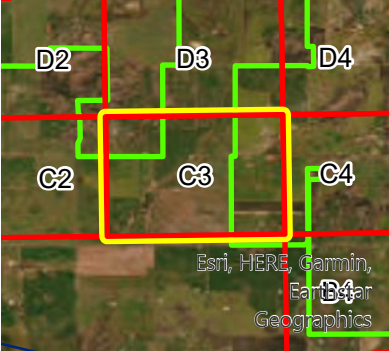
0.20 - 0.5

Collgar Wind Farm layout

Dwellings

Project Area

Protected Areas



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

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Collgar Wind Farm - Existing

5% AEP - Flood Depth



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

0.50 - 1.0

1.00 - 2.0

Collgar Wind Farm layout

Wind Turbine Locations

Hardstands

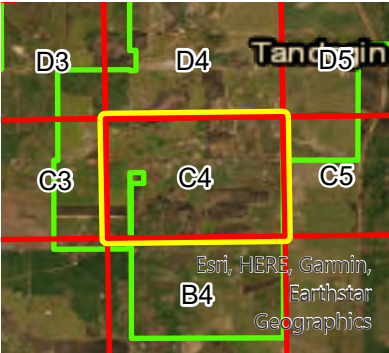
Access Road - Corridor

Access Road - Centreline

Project Area

Protected Areas

Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

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Collgar Wind Farm - Existing
5% AEP - Flood Depth



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

0.50 - 1.0

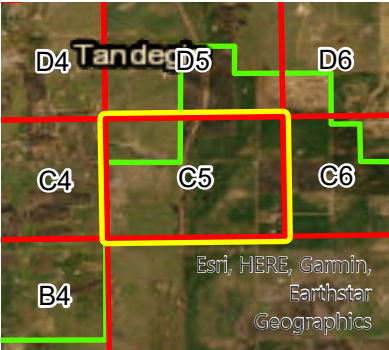
1.00 - 2.0

Collgar Wind Farm layout

Dwellings

Project Area

Existing Road Network



Esri, HERE, Garmin, Maxar

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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

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Collgar Wind Farm - Existing
5% AEP - Flood Depth



Legend

 Hydraulic Model Boundary

Flood Depth (m)

< 0.05

 0.05 - 0.10

 0.10 - 0.20

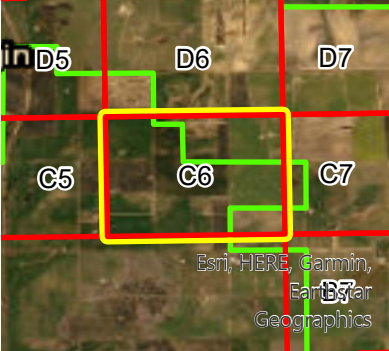
 0.20 - 0.5

 0.50 - 1.0

 1.00 - 2.0

Collgar Wind Farm layout

 Project Area



DRAFT

Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing

5% AEP - Flood Depth



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

0.50 - 1.0

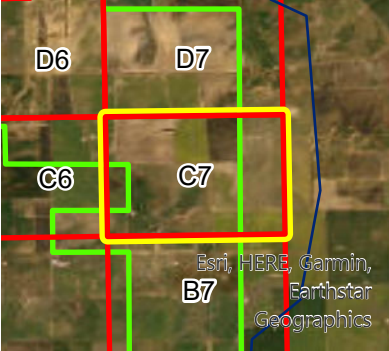
1.00 - 2.0

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Collgar Wind Farm layout

Project Area

Existing Road Network



Esri, HERE, Garmin, Maxar

DRAFT

Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

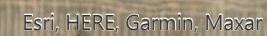
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Collgar Wind Farm - Existing

5% AEP - Flood Depth



Flood Depth (m)

 < 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

■ 0.50 - 1.0

■ 1.00 - 2.0

Collgar Wind Farm layout

 Wind Turbine Locations

■ Hardstands

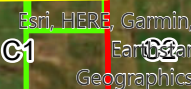
--- Access Road - Corridor

— Access Road - Centreline

 Project Area

 Protected Areas

— Existing Road Network



DRAFT

Rev A

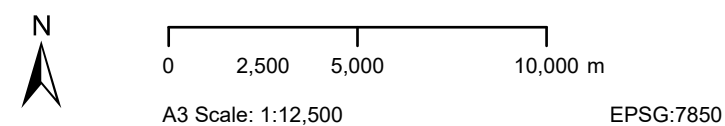
A horizontal number line with tick marks at 0, 2,500, 5,000, and 10,000 m.

A3 Scale: 1:12,500

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5% AEP - Flood Depth



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

0.50 - 1.0

1.00 - 2.0

Collgar Wind Farm layout

Wind Turbine Locations

Hardstands

Substation Location

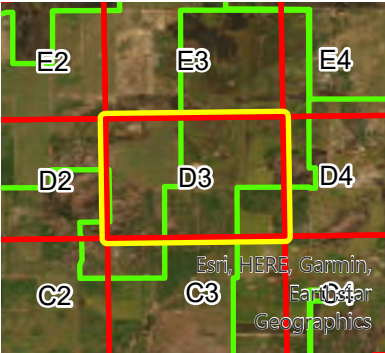
Access Road - Corridor

Access Road - Centreline

Project Area

Protected Areas

Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

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Collgar Wind Farm - Existing

5% AEP - Flood Depth



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

0.50 - 1.0

1.00 - 2.0

Collgar Wind Farm layout

Wind Turbine Locations

Hardstands

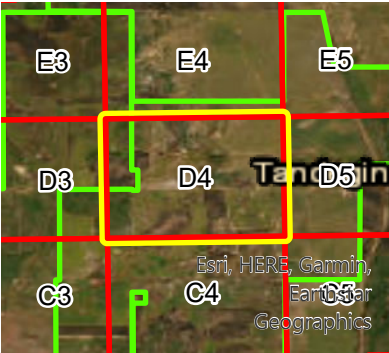
Access Road - Corridor

Access Road - Centreline

Project Area

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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

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Collgar Wind Farm - Existing
5% AEP - Flood Depth



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

0.50 - 1.0

1.00 - 2.0

> 2.0

Collgar Wind Farm layout

Wind Turbine Locations

Hardstands

Dwellings

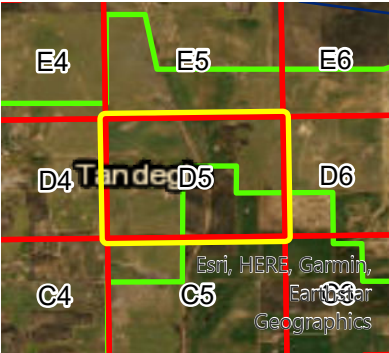
Access Road - Corridor

Access Road - Centreline

Project Area

Protected Areas

Existing Road Network



Esri, HERE, Garmin, Maxar

DRAFT

Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

**Collgar Wind Farm - Existing
5% AEP - Flood Depth**



Legend

 Hydraulic Model Boundary

Flood Depth (m)

< 0.05

 0.05 - 0.10

 0.10 - 0.20

 0.20 - 0.5

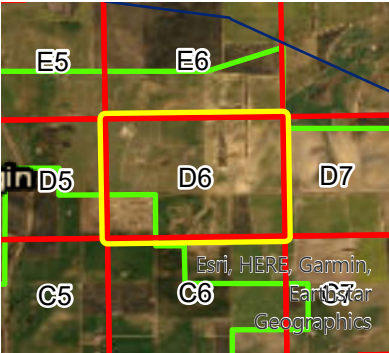
 0.50 - 1.0

Collgar Wind Farm layout

 Project Area

 Protected Areas

 Existing Road Network



DRAFT

Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing

5% AEP - Flood Depth



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

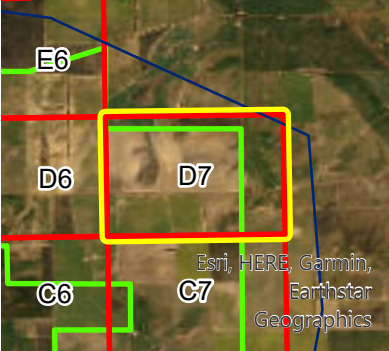
0.20 - 0.5

0.50 - 1.0

Collgar Wind Farm layout

Project Area

Existing Road Network



Esri, HERE, Garmin, Maxar

DRAFT

Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing

5% AEP - Flood Depth



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

0.50 - 1.0

1.00 - 2.0

> 2.0

Collgar Wind Farm layout

Wind Turbine Locations

Hardstands

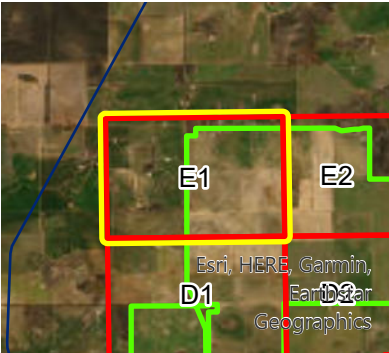
Dwellings

Access Road - Corridor

Access Road - Centreline

Project Area

Existing Road Network



DRAFT

Rev A



0 2,500 5,000 10,000 m

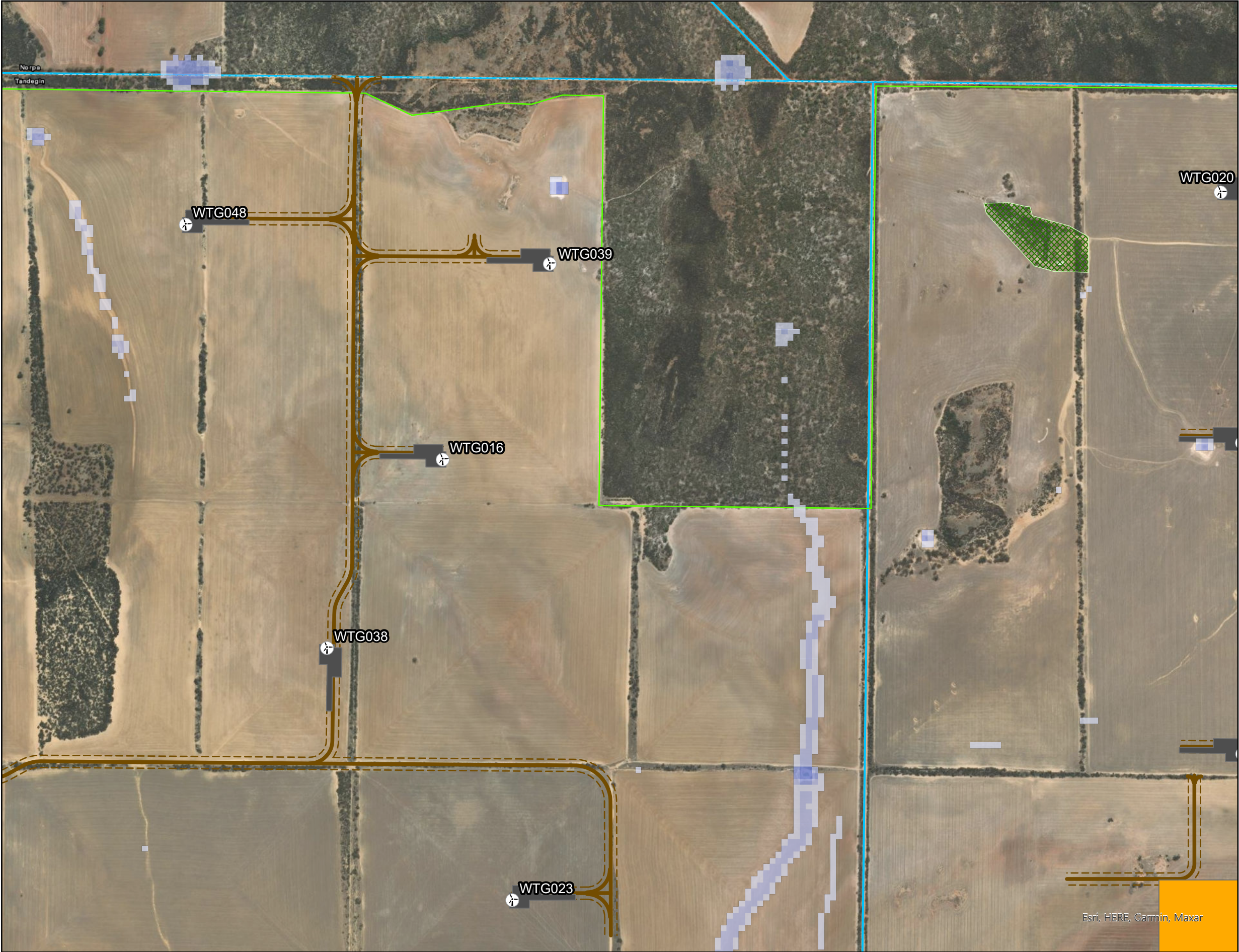
A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
5% AEP - Flood Depth



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

0.50 - 1.0

Collgar Wind Farm layout

Wind Turbine Locations

Hardstands

Substation Location

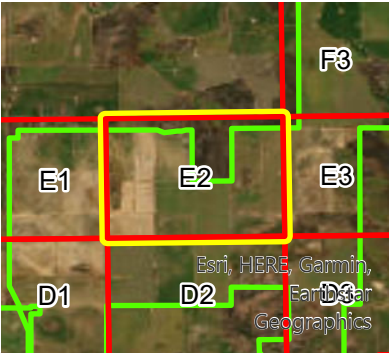
Access Road - Corridor

Access Road - Centreline

Project Area

Protected Areas

Existing Road Network



DRAFT

Rev A



0 2,500 5,000 10,000 m

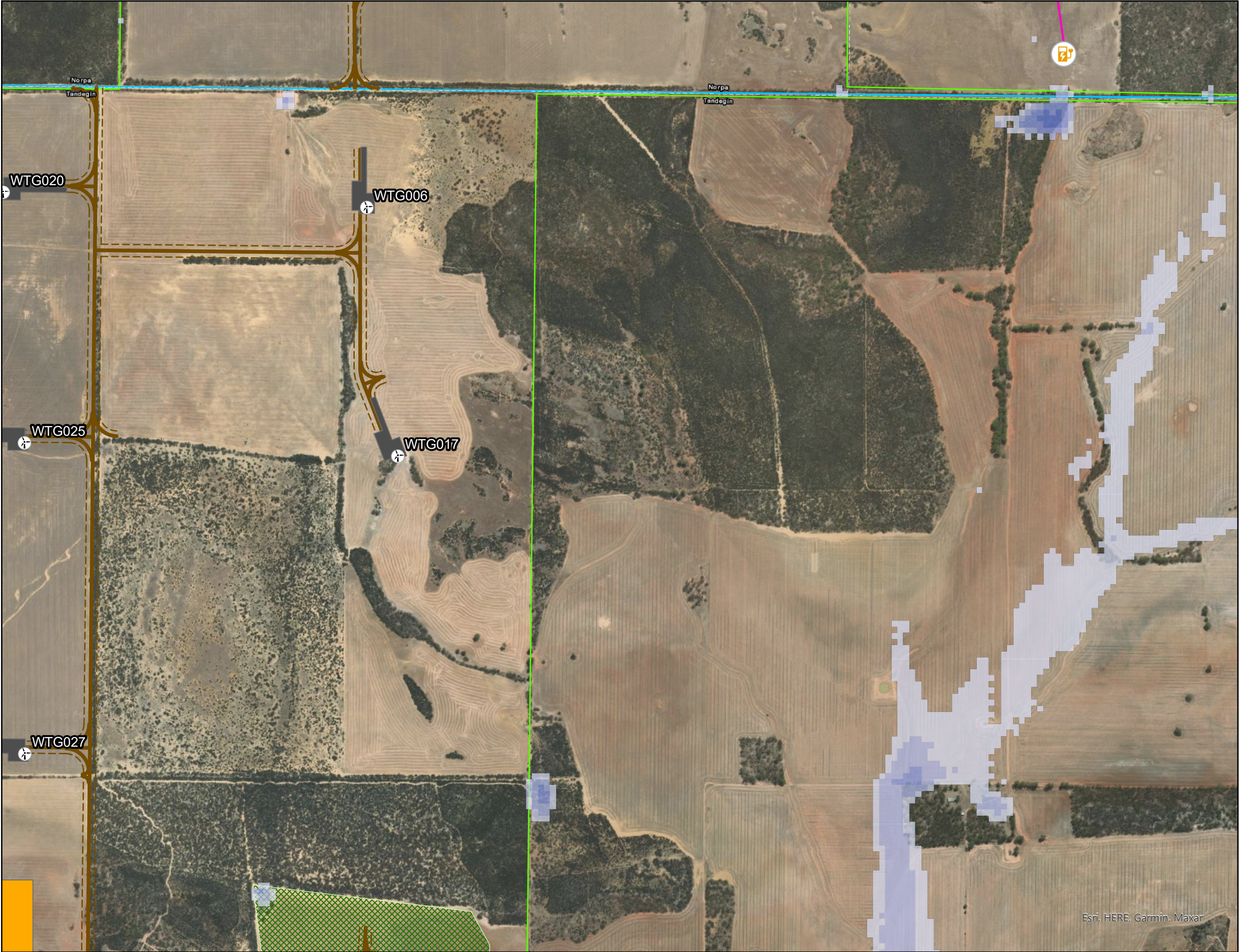
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EPSG:7850

27/8/2025

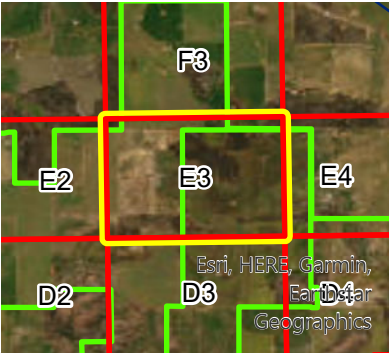
528866

Collgar Wind Farm - Existing
5% AEP - Flood Depth



Legend

- Hydraulic Model Boundary
- Flood Depth (m)
 - < 0.05
 - 0.05 - 0.10
 - 0.10 - 0.20
 - 0.20 - 0.5
 - 0.50 - 1.0
- Collgar Wind Farm layout
 - Wind Turbine Locations
 - Hardstands
 - Substation Location
 - Substation
 - OHTL 220kV
 - Access Road - Corridor
 - Access Road - Centreline
 - Project Area
 - Protected Areas
 - Existing Road Network



Esri, HERE, Garmin, Maxar

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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
5% AEP - Flood Depth



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

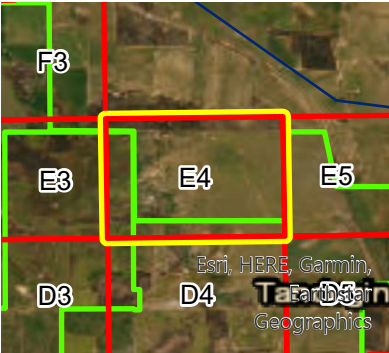
0.20 - 0.5

Collgar Wind Farm layout

Project Area

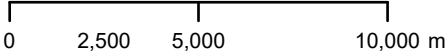
Protected Areas

Existing Road Network



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Rev A



A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

**Collgar Wind Farm - Existing
5% AEP - Flood Depth**



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

0.50 - 1.0

1.00 - 2.0

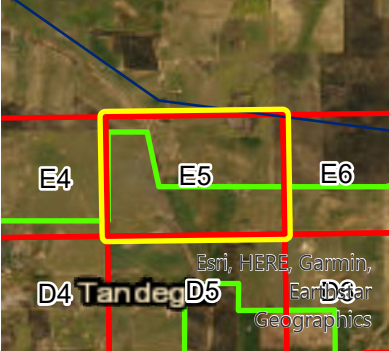
> 2.0

Collgar Wind Farm layout

Project Area

Protected Areas

Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing

5% AEP - Flood Depth



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

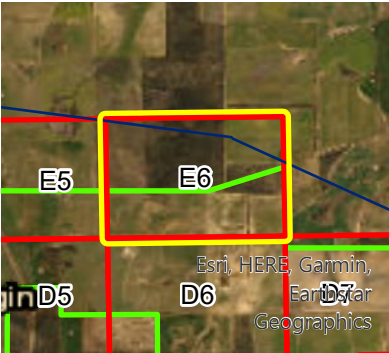
0.50 - 1.0

Collgar Wind Farm layout

Project Area

Protected Areas

Existing Road Network



Esri, HERE, Garmin, Maxar

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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing

5% AEP - Flood Depth



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

0.50 - 1.0

1.00 - 2.0

> 2.0

Collgar Wind Farm layout

Wind Turbine Locations

Hardstands

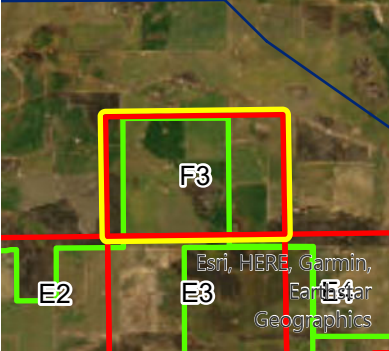
OHTL 220kV

Dwellings

Access Road - Corridor

Access Road - Centreline

Project Area



Esri, HERE, Garmin, Maxar

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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing

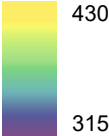
5% AEP - Flood Depth



Legend

Hydraulic Model Boundary

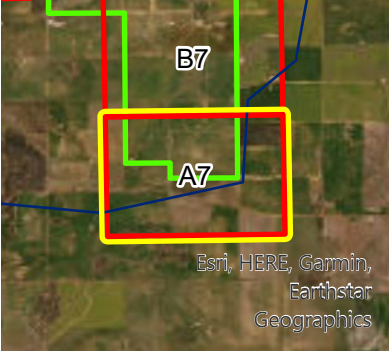
Water Level (m AHD)



Collgar Wind Farm layout

Project Area

Existing Road Network



Esri, HERE, Garmin, Maxar

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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

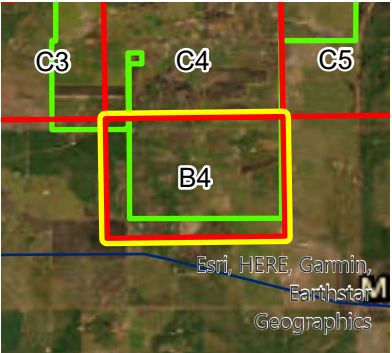
528866

Collgar Wind Farm - Existing
5% AEP - Flood Level



Legend

- Hydraulic Model Boundary
- Water Level (m AHD)
 - 430
 - 315
- Collgar Wind Farm layout
 - Wind Turbine Locations
 - Hardstands
 - Access Road - Corridor
 - Access Road - Centreline
 - Project Area
 - Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

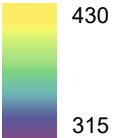
Collgar Wind Farm - Existing
5% AEP - Flood Level



Legend

Hydraulic Model Boundary

Water Level (m AHD)

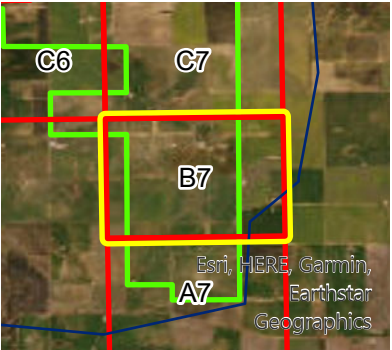


Collgar Wind Farm layout

Dwellings

Project Area

Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

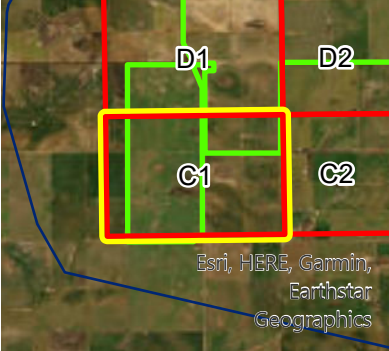
528866

Collgar Wind Farm - Existing
5% AEP - Flood Level



Legend

- Hydraulic Model Boundary
- Water Level (m AHD)**
 - 430
 - 315
- Collgar Wind Farm layout**
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 - Access Road - Centreline
 - Project Area
 - Existing Road Network



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Rev A



0 2,500 5,000 10,000 m
A3 Scale: 1:12,500 EPSG:7850

27/8/2025
528866

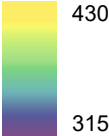
**Collgar Wind Farm - Existing
5% AEP - Flood Level**



Legend

Hydraulic Model Boundary

Water Level (m AHD)

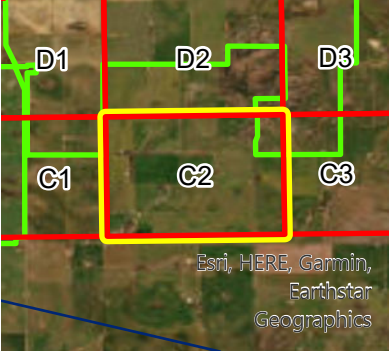


Collgar Wind Farm layout

Project Area

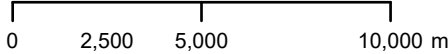
Existing Road Network

Protected Areas



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Rev A



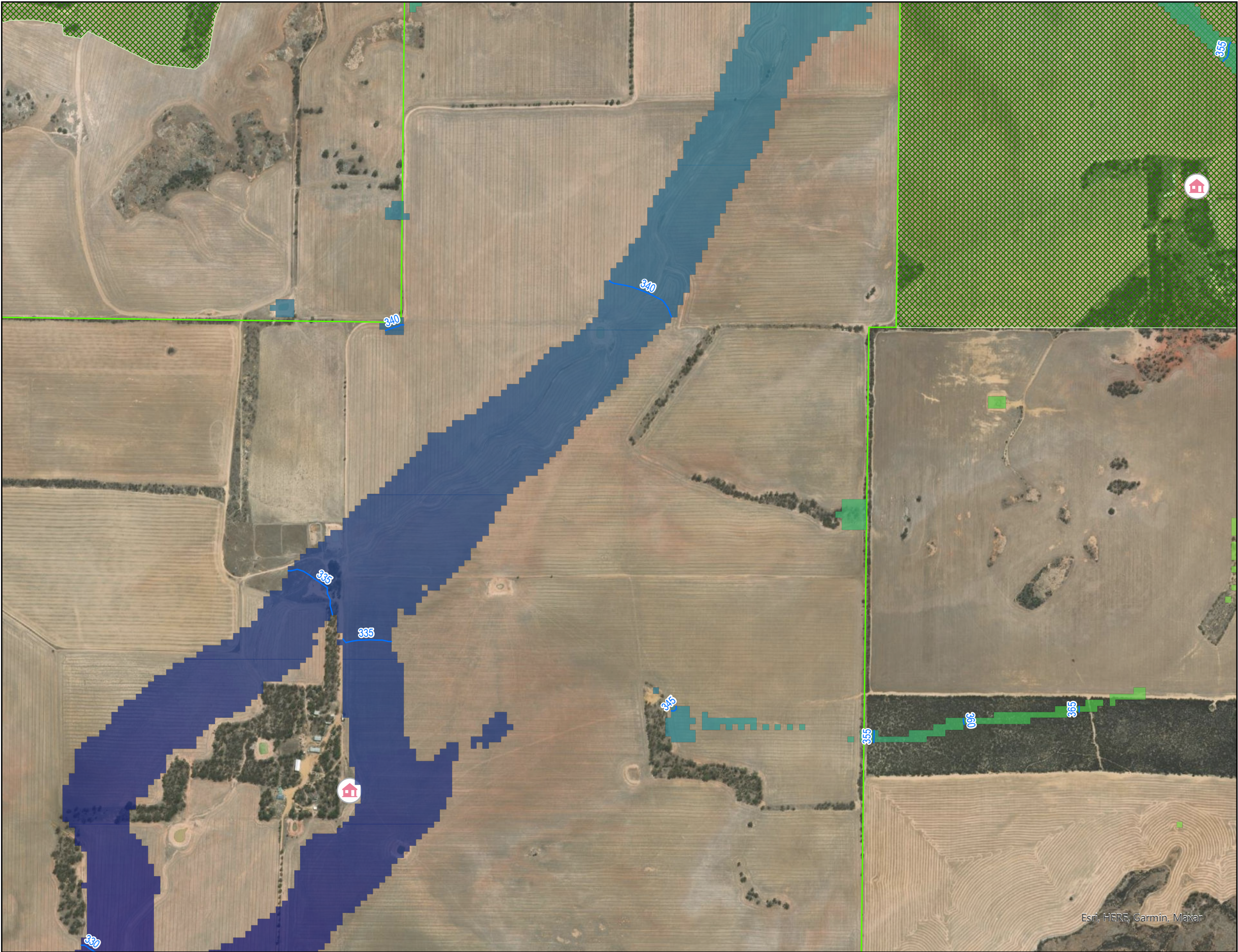
A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

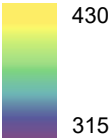
**Collgar Wind Farm - Existing
5% AEP - Flood Level**



Legend

 Hydraulic Model Boundary

Water Level (m AHD)

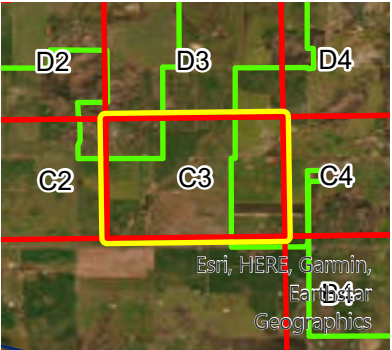


Collgar Wind Farm layout

 Dwellings

 Project Area

 Protected Areas



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

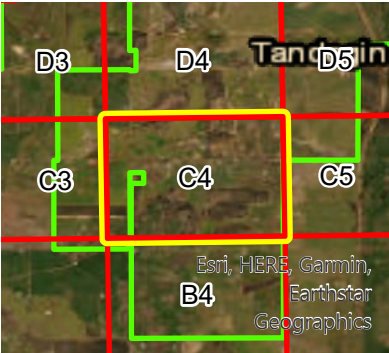
528866

**Collgar Wind Farm - Existing
5% AEP - Flood Level**



Legend

- Hydraulic Model Boundary
- Water Level (m AHD)
 - 430
 - 315
- Collgar Wind Farm layout
 - Wind Turbine Locations
 - Hardstands
 - Access Road - Corridor
 - Access Road - Centreline
 - Project Area
 - Existing Road Network
 - Protected Areas



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

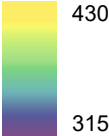
Collgar Wind Farm - Existing
5% AEP - Flood Level



Legend

Hydraulic Model Boundary

Water Level (m AHD)

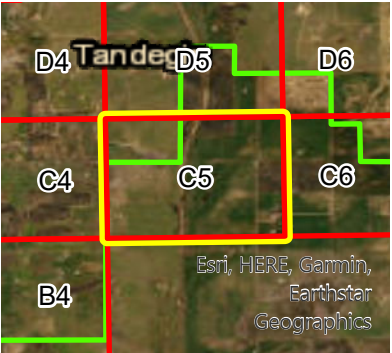


Collgar Wind Farm layout

Dwellings

Project Area

Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

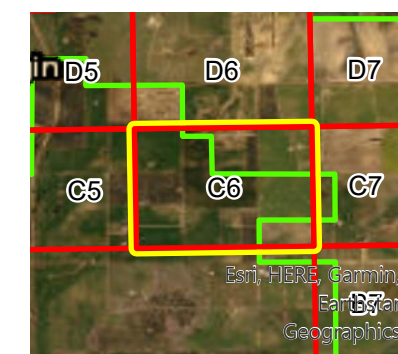
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EPSG:7850

27/8/2025

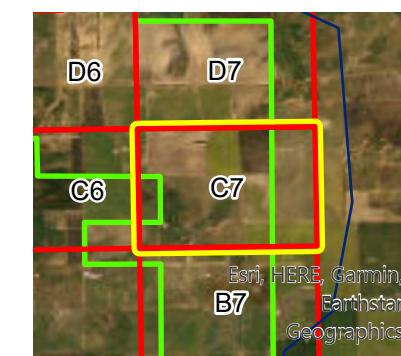
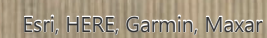
528866

Collgar Wind Farm - Existing
5% AEP - Flood Level



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Rev A



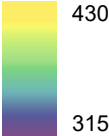
Rev A



Legend

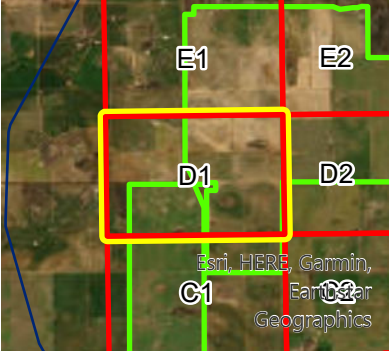
Hydraulic Model Boundary

Water Level (m AHD)



Collgar Wind Farm layout

- Wind Turbine Locations
- Hardstands
- Access Road - Corridor
- Access Road - Centreline
- Project Area
- Existing Road Network
- Protected Areas



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Rev A



0 2,500 5,000 10,000 m

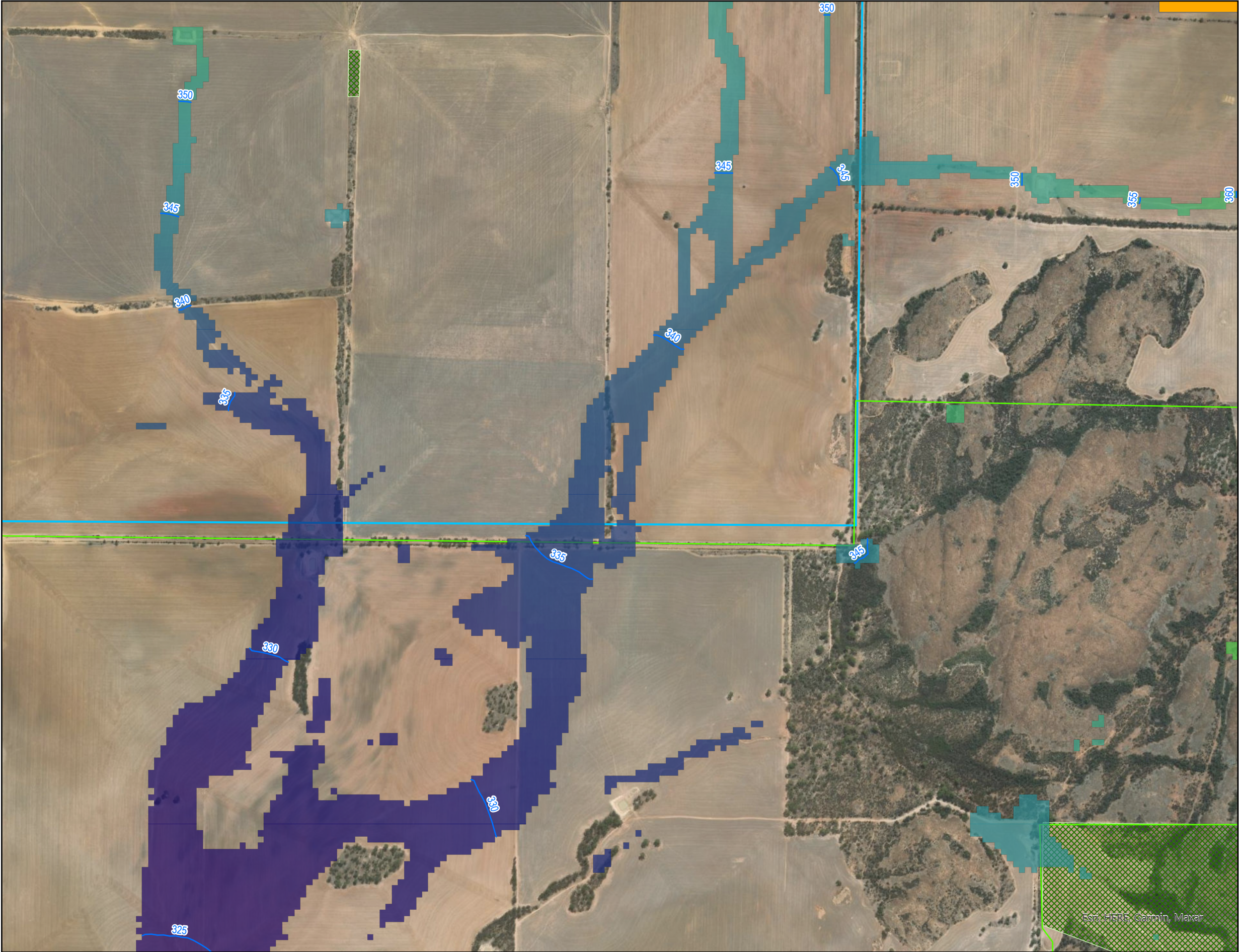
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EPSG:7850

27/8/2025

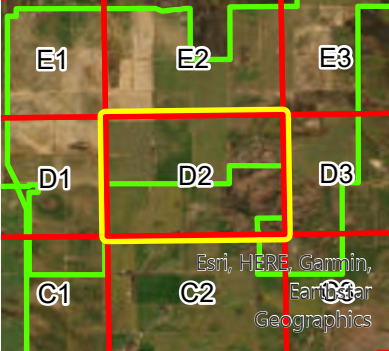
528866

Collgar Wind Farm - Existing
5% AEP - Flood Level



Legend

- Hydraulic Model Boundary
- Water Level (m AHD)
 - 430
 - 315
- Collgar Wind Farm layout
 - Hardstands
 - Substation Location
 - Project Area
 - Existing Road Network
 - Protected Areas



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

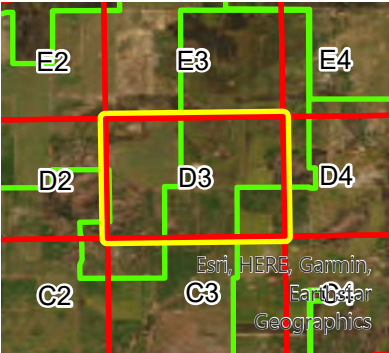
528866

Collgar Wind Farm - Existing
5% AEP - Flood Level



Legend

- Hydraulic Model Boundary
- Water Level (m AHD)
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 - 315
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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

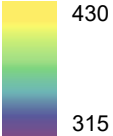
Collgar Wind Farm - Existing
5% AEP - Flood Level



Legend

Hydraulic Model Boundary

Water Level (m AHD)



Collgar Wind Farm layout

Wind Turbine Locations

Hardstands

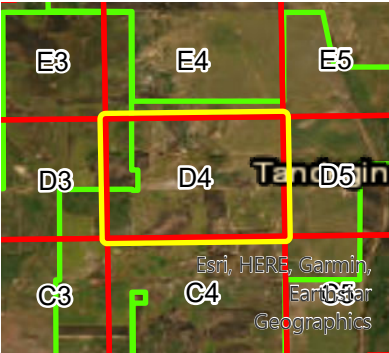
Access Road - Corridor

Access Road - Centreline

Project Area

Existing Road Network

Protected Areas



DRAFT

Rev A



0 2,500 5,000 10,000 m

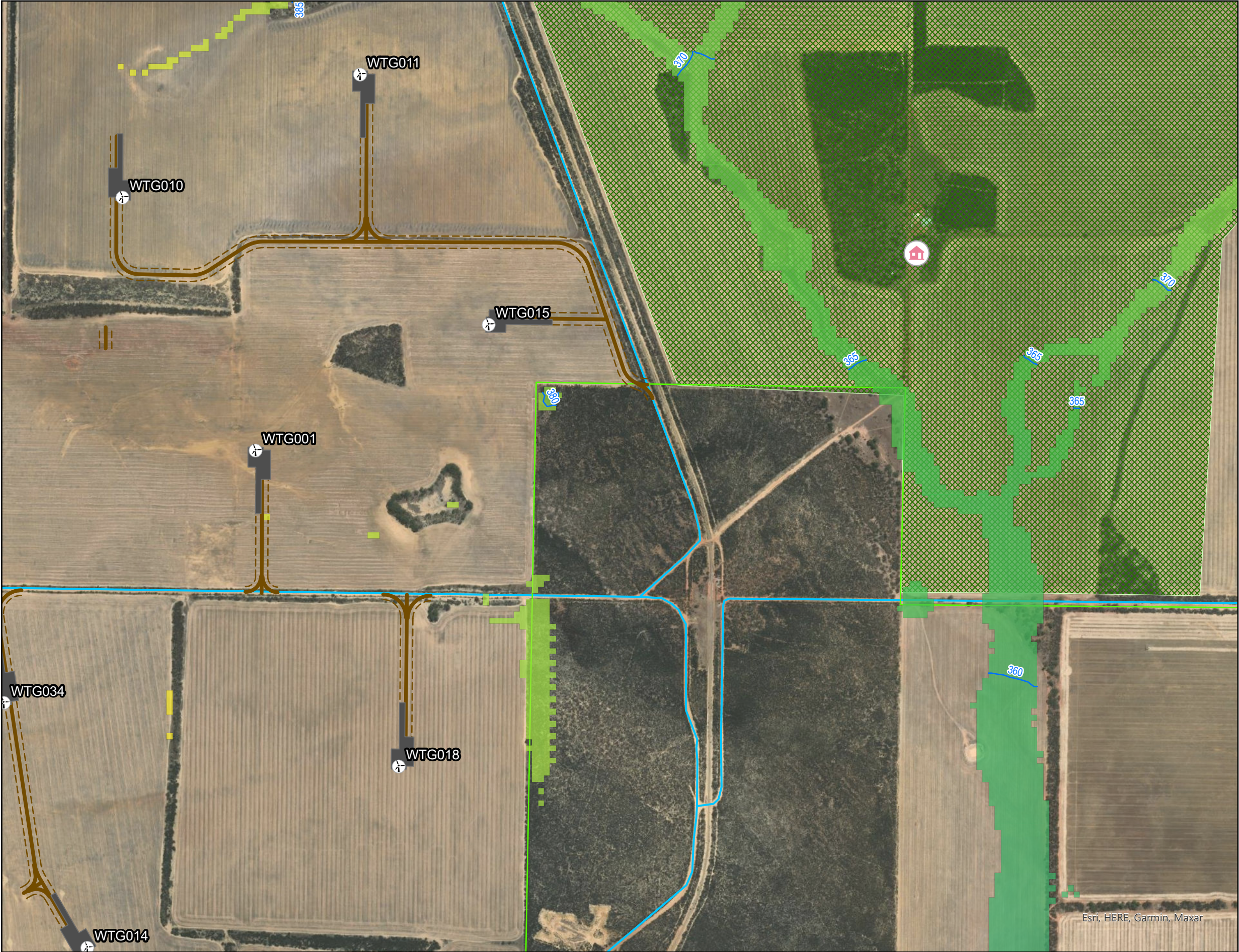
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EPSG:7850

27/8/2025

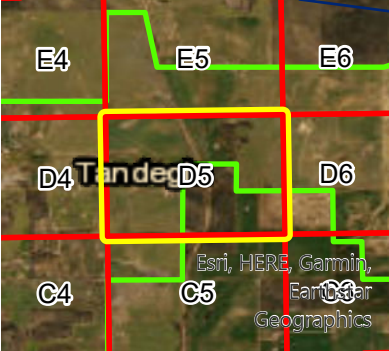
528866

Collgar Wind Farm - Existing
5% AEP - Flood Level



Legend

- Hydraulic Model Boundary
- Water Level (m AHD)
 - 430
 - 315
- Collgar Wind Farm layout
 - Wind Turbine Locations
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 - Dwellings
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 - Access Road - Centreline
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 - Existing Road Network
 - Protected Areas



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

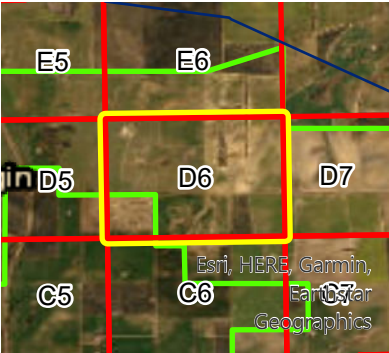
528866

Collgar Wind Farm - Existing
5% AEP - Flood Level



Legend

- Hydraulic Model Boundary
- Water Level (m AHD)**
 - 430
 - 315
- Collgar Wind Farm layout**
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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

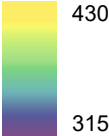
**Collgar Wind Farm - Existing
5% AEP - Flood Level**



Legend

Hydraulic Model Boundary

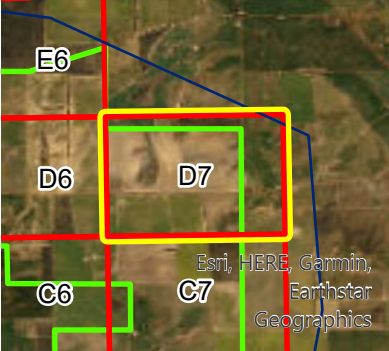
Water Level (m AHD)



Collgar Wind Farm layout

Project Area

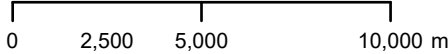
Existing Road Network



Esri, HERE, Garmin, Maxar

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Rev A



A3 Scale: 1:12,500

EPSG:7850

27/8/2025

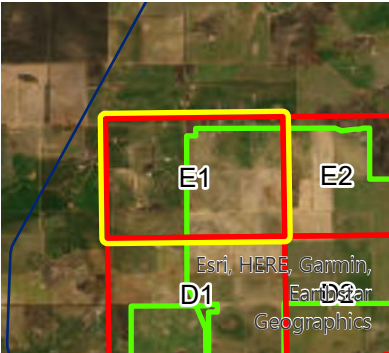
528866

Collgar Wind Farm - Existing
5% AEP - Flood Level



Legend

- Hydraulic Model Boundary
- Water Level (m AHD)
 - 430
 - 315
- Collgar Wind Farm layout
 - Wind Turbine Locations
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 - Access Road - Corridor
 - Access Road - Centreline
 - Project Area
 - Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

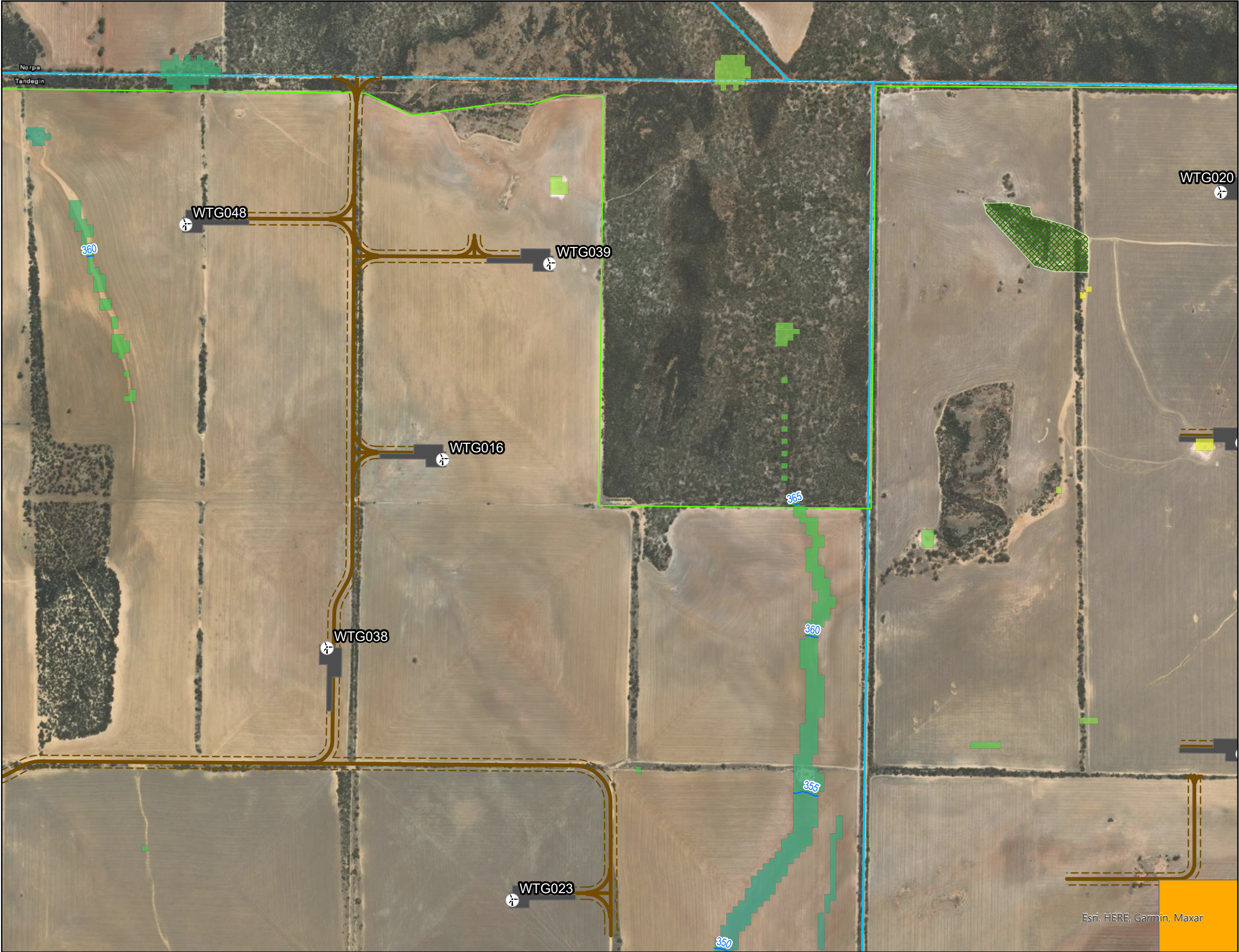
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EPSG:7850

27/8/2025

528866

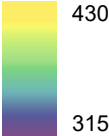
Collgar Wind Farm - Existing
5% AEP - Flood Level



Legend

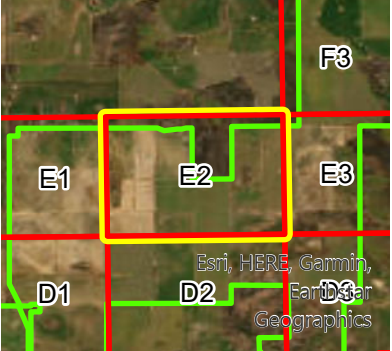
Hydraulic Model Boundary

Water Level (m AHD)



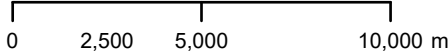
Collgar Wind Farm layout

- Wind Turbine Locations
- Hardstands
- Substation Location
- Access Road - Corridor
- Access Road - Centreline
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Rev A



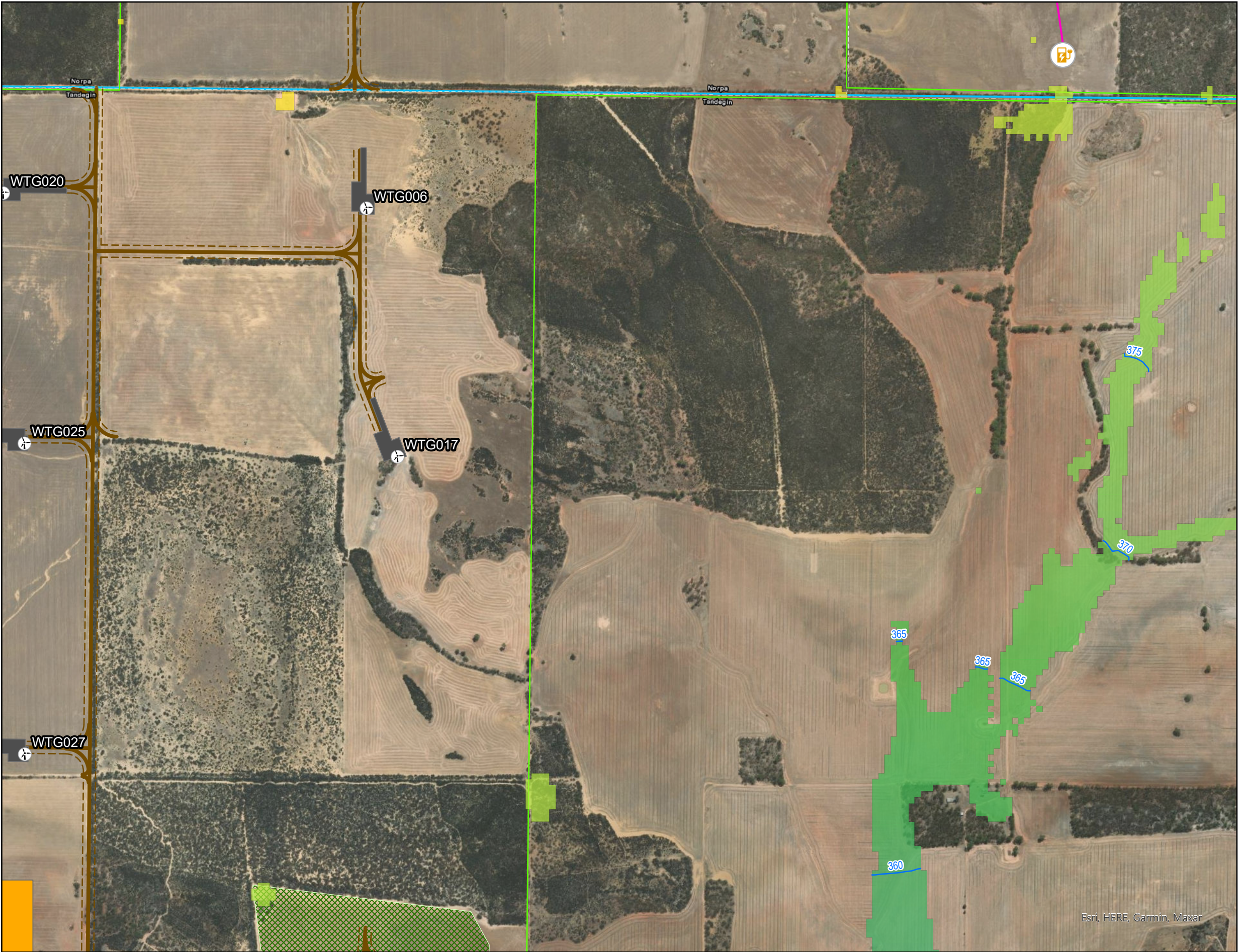
A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
5% AEP - Flood Level



Legend

Hydraulic Model Boundary

Water Level (m AHD)

430

315

Collgar Wind Farm layout

Wind Turbine Locations

Hardstands

Substation Location

Substation

OHTL 220kV

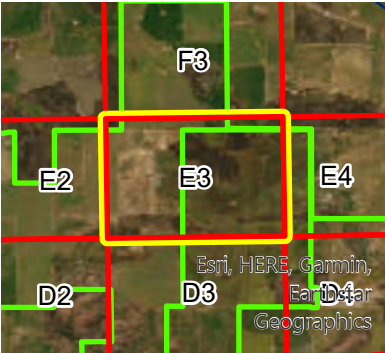
Access Road - Corridor

Access Road - Centreline

Project Area

Existing Road Network

Protected Areas



Esri, HERE, Garmin, Maxar

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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

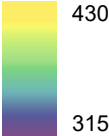
Collgar Wind Farm - Existing
5% AEP - Flood Level



Legend

Hydraulic Model Boundary

Water Level (m AHD)

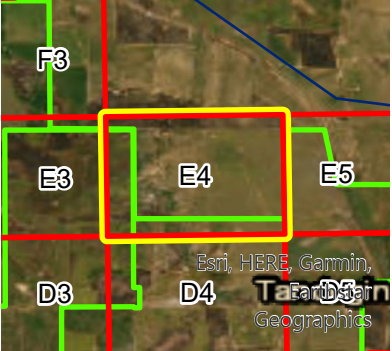


Collgar Wind Farm layout

Project Area

Existing Road Network

Protected Areas



DRAFT

Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

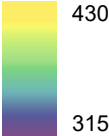
**Collgar Wind Farm - Existing
5% AEP - Flood Level**



Legend

Hydraulic Model Boundary

Water Level (m AHD)

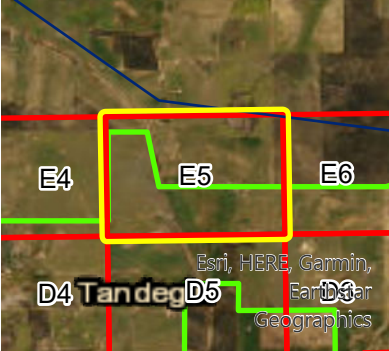


Collgar Wind Farm layout

Project Area

Existing Road Network

Protected Areas



DRAFT

Rev A



0 2,500 5,000 10,000 m

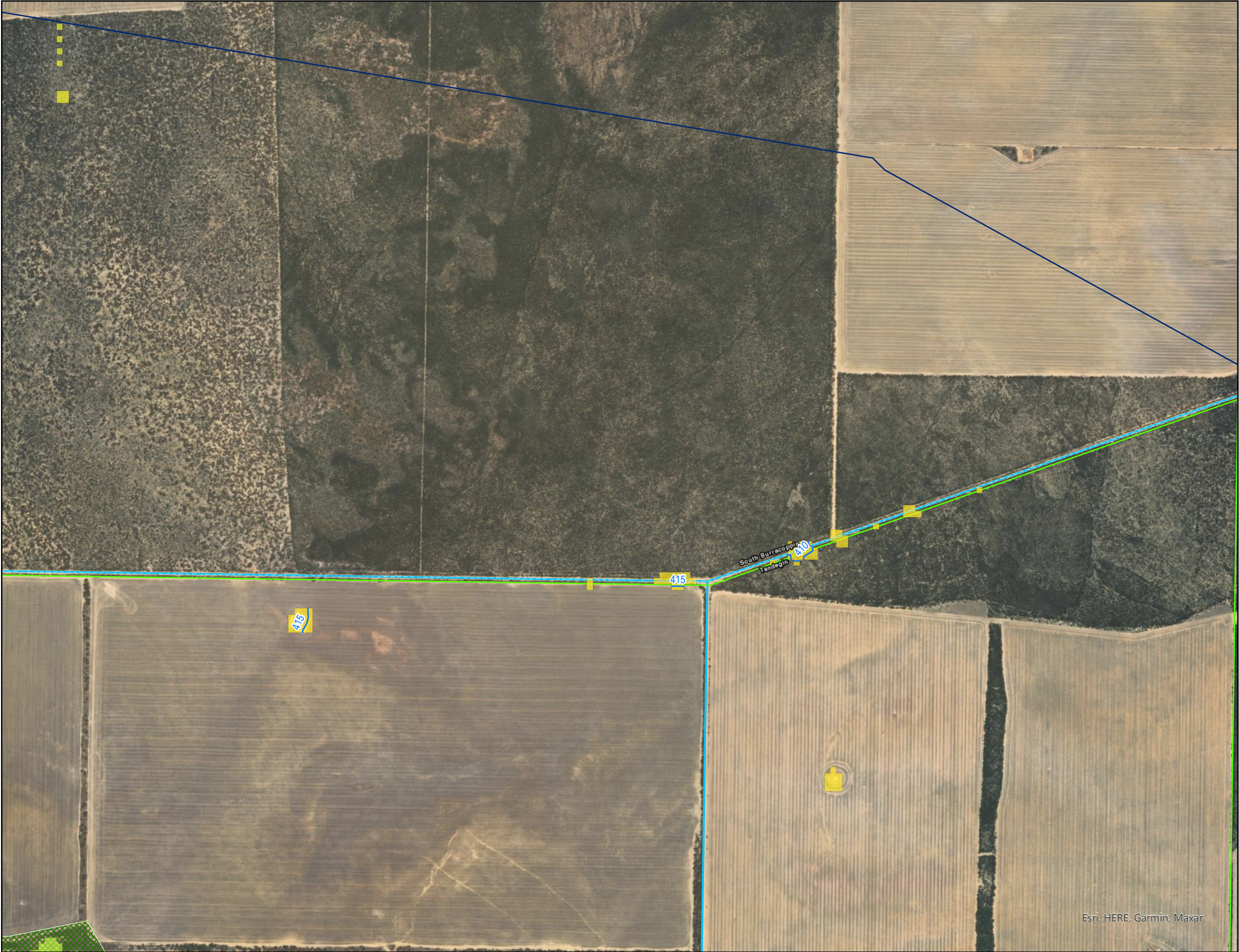
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27/8/2025

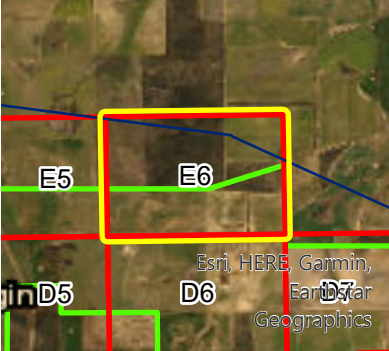
528866

Collgar Wind Farm - Existing
5% AEP - Flood Level



Legend

- Hydraulic Model Boundary
- Water Level (m AHD)
 - 430
 - 315
- Collgar Wind Farm layout
 - Project Area
 - Existing Road Network
 - Protected Areas



DRAFT

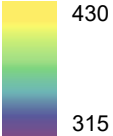
Rev A



Legend

Hydraulic Model Boundary

Water Level (m AHD)



Collgar Wind Farm layout

Wind Turbine Locations

Hardstands

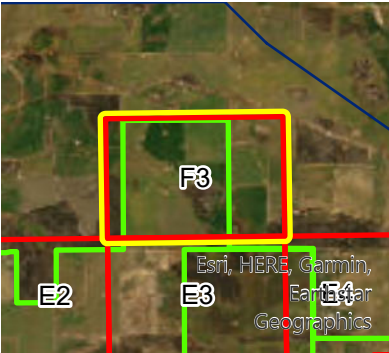
OHTL 220kV

Dwellings

Access Road - Corridor

Access Road - Centreline

Project Area



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
5% AEP - Flood Level



Legend

Hydraulic Model Boundary

Velocity (m/s)

< 0.3

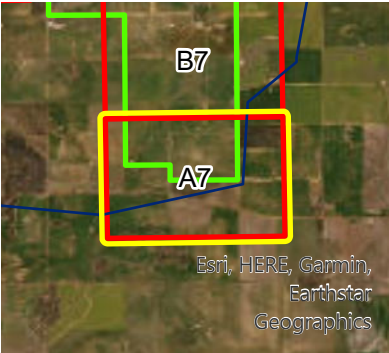
0.3 - 0.5

0.5 - 1.0

Collgar Wind Farm layout

Project Area

Existing Road Network



Esri, HERE, Garmin, Maxar

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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
5% AEP - Velocity



Legend

Hydraulic Model Boundary

Velocity (m/s)

< 0.3

0.3 - 0.5

Collgar Wind Farm layout

Wind Turbine Locations

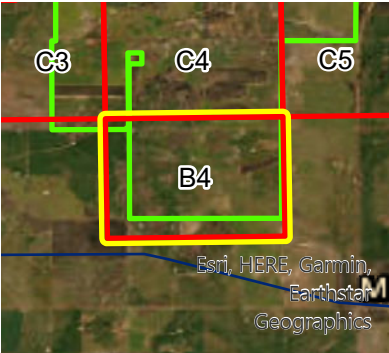
Hardstands

Access Road - Corridor

Access Road - Centreline

Project Area

Existing Road Network



DRAFT

Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
5% AEP - Velocity



Legend

Hydraulic Model Boundary

Velocity (m/s)

< 0.3

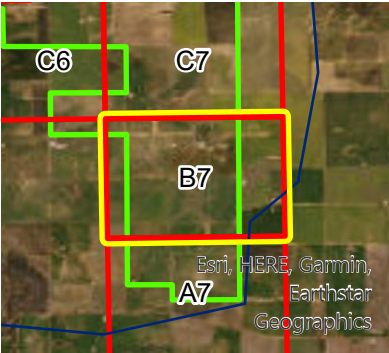
0.3 - 0.5

Collgar Wind Farm layout

Dwellings

Project Area

Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

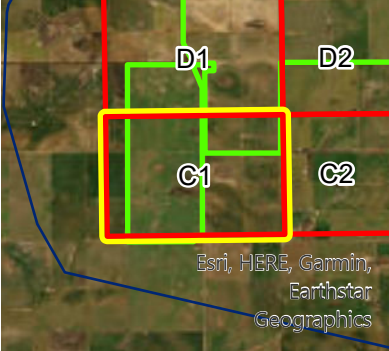
528866

Collgar Wind Farm - Existing
5% AEP - Velocity



Legend

- Hydraulic Model Boundary
- Velocity (m/s)
 - < 0.3
 - 0.3 - 0.5
- Collgar Wind Farm layout
 - Wind Turbine Locations
 - Hardstands
 - Access Road - Corridor
 - Access Road - Centreline
 - Project Area
 - Existing Road Network



Esri, HERE, Garmin, Maxar

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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
5% AEP - Velocity



Legend

Hydraulic Model Boundary

Velocity (m/s)

< 0.3

0.3 - 0.5

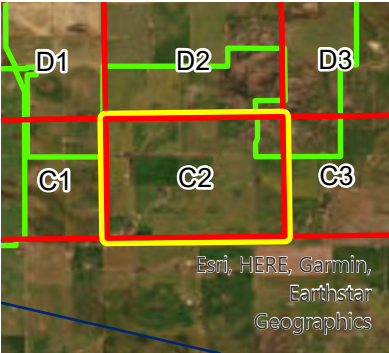
0.5 - 1.0

Collgar Wind Farm layout

Project Area

Protected Areas

Existing Road Network



Esri, HERE, Garmin, Maxar

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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

**Collgar Wind Farm - Existing
5% AEP - Velocity**



Legend

Hydraulic Model Boundary

Velocity (m/s)

< 0.3

0.3 - 0.5

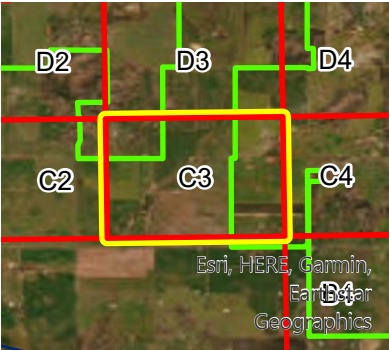
0.5 - 1.0

Collgar Wind Farm layout

Dwellings

Project Area

Protected Areas



DRAFT

Rev A



0 2,500 5,000 10,000 m

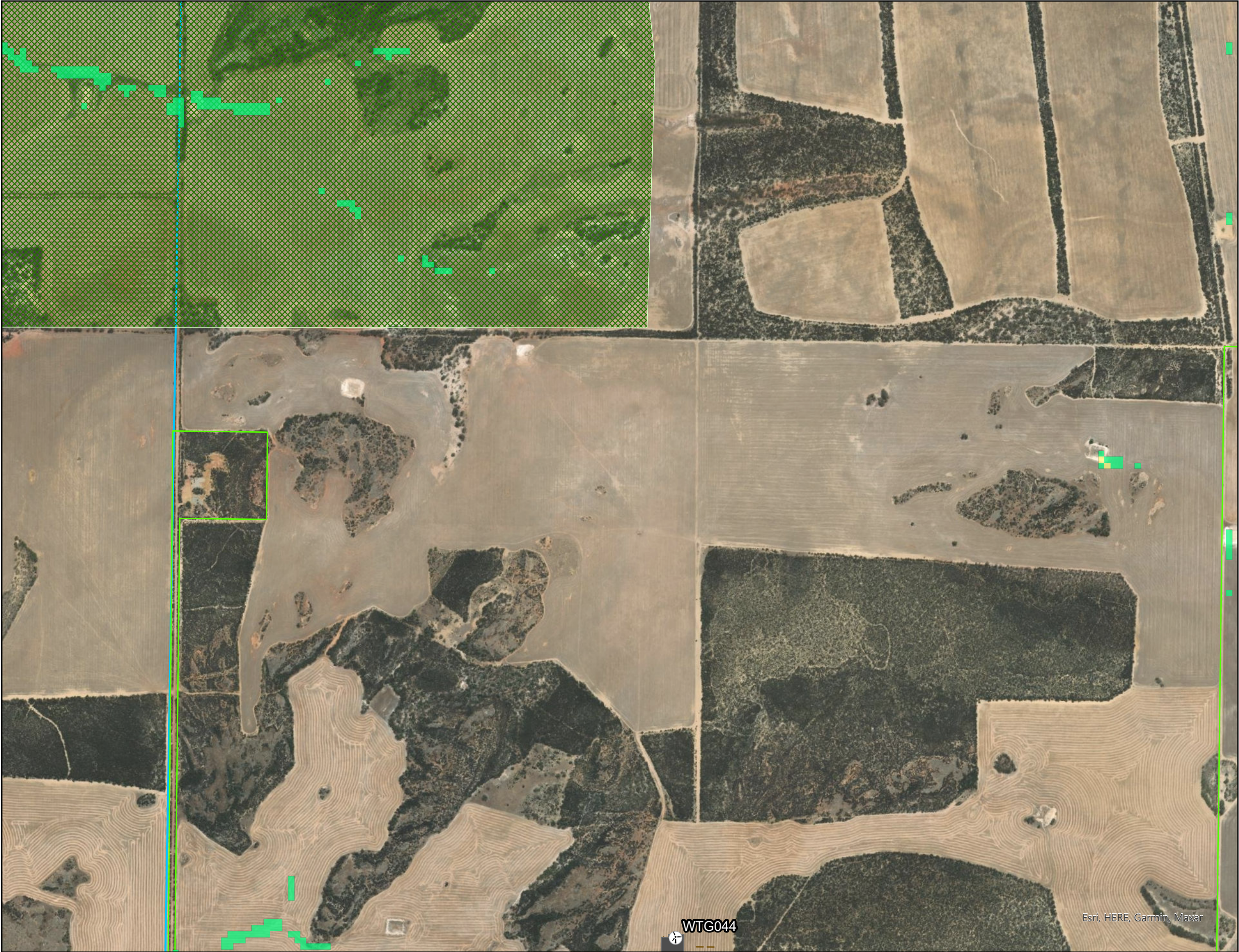
A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
5% AEP - Velocity



Legend

Hydraulic Model Boundary

Velocity (m/s)

< 0.3

0.3 - 0.5

0.5 - 1.0

Collgar Wind Farm layout

Wind Turbine Locations

Hardstands

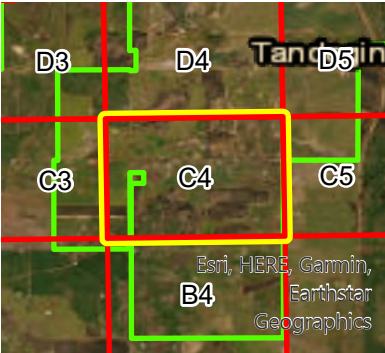
Access Road - Corridor

Access Road - Centreline

Project Area

Protected Areas

Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
5% AEP - Velocity



Legend

 Hydraulic Model Boundary

Velocity (m/s)

< 0.3

 0.3 - 0.5

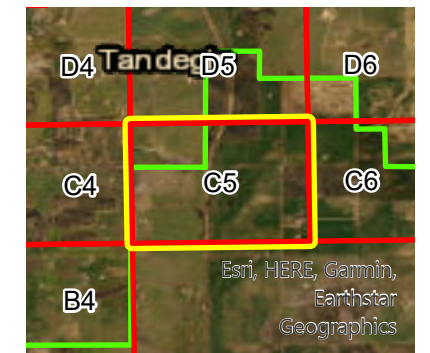
 0.5 - 1.0

Collgar Wind Farm layout

 Dwellings

 Project Area

 Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

**Collgar Wind Farm - Existing
5% AEP - Velocity**



Legend

 Hydraulic Model Boundary

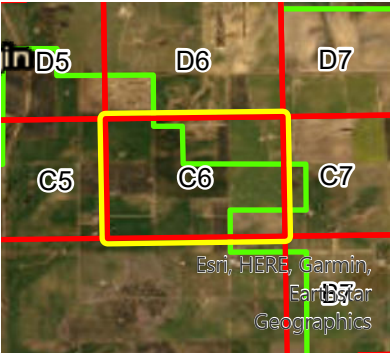
Velocity (m/s)

< 0.3

 0.3 - 0.5

Collgar Wind Farm layout

 Project Area



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

**Collgar Wind Farm - Existing
5% AEP - Velocity**



Legend

Hydraulic Model Boundary

Velocity (m/s)

< 0.3

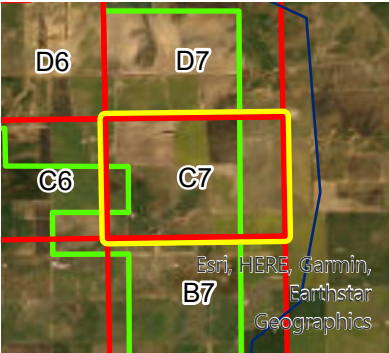
0.3 - 0.5

0.5 - 1.0

Collgar Wind Farm layout

Project Area

Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

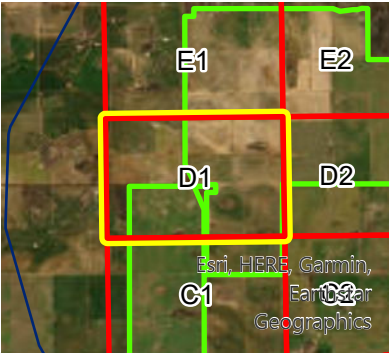
528866

**Collgar Wind Farm - Existing
5% AEP - Velocity**



Legend

- Hydraulic Model Boundary
- Velocity (m/s)
 - < 0.3
 - 0.3 - 0.5
- Collgar Wind Farm layout
 - Wind Turbine Locations
 - Hardstands
 - Access Road - Corridor
 - Access Road - Centreline
 - Project Area
 - Protected Areas
 - Existing Road Network



DRAFT

Rev A



0 2,500 5,000 10,000 m

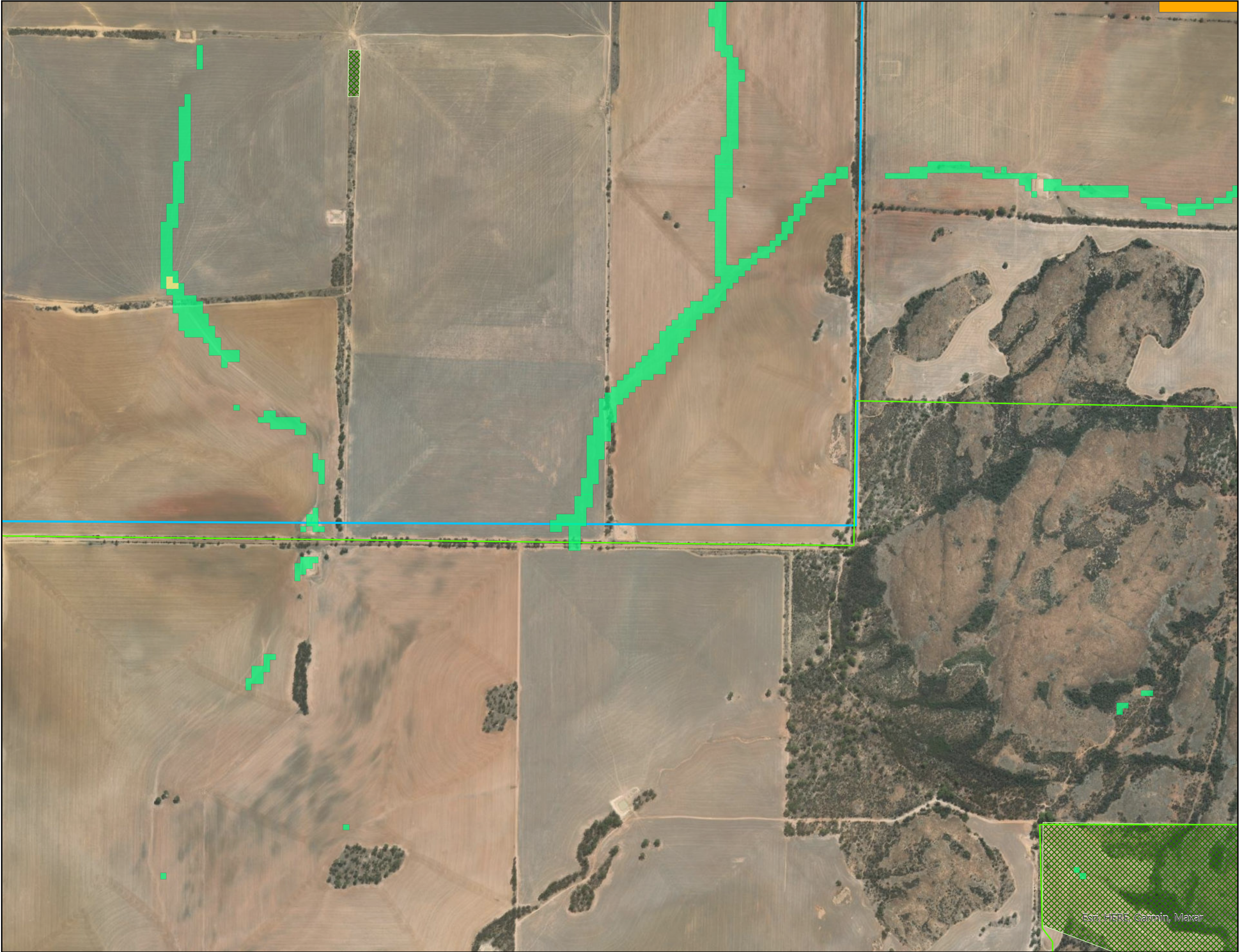
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EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
5% AEP - Velocity



Legend

Hydraulic Model Boundary

Velocity (m/s)

< 0.3

0.3 - 0.5

0.5 - 1.0

Collgar Wind Farm layout

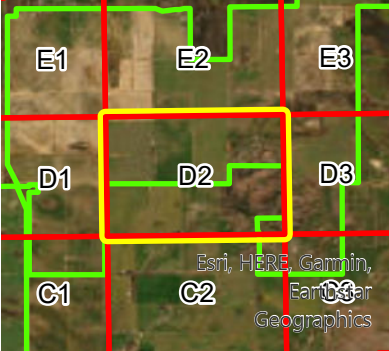
Hardstands

Substation Location

Project Area

Protected Areas

Existing Road Network



DRAFT

Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

**Collgar Wind Farm - Existing
5% AEP - Velocity**



Legend

Hydraulic Model Boundary

Velocity (m/s)

< 0.3

0.3 - 0.5

0.5 - 1.0

Collgar Wind Farm layout

Wind Turbine Locations

Hardstands

Substation Location

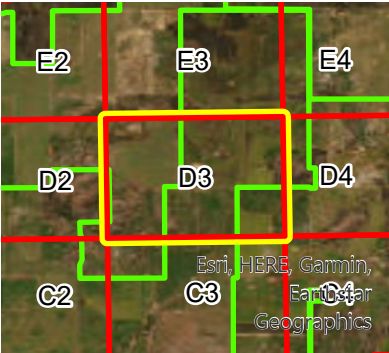
Access Road - Corridor

Access Road - Centreline

Project Area

Protected Areas

Existing Road Network



DRAFT

Rev A



0 2,500 5,000 10,000 m

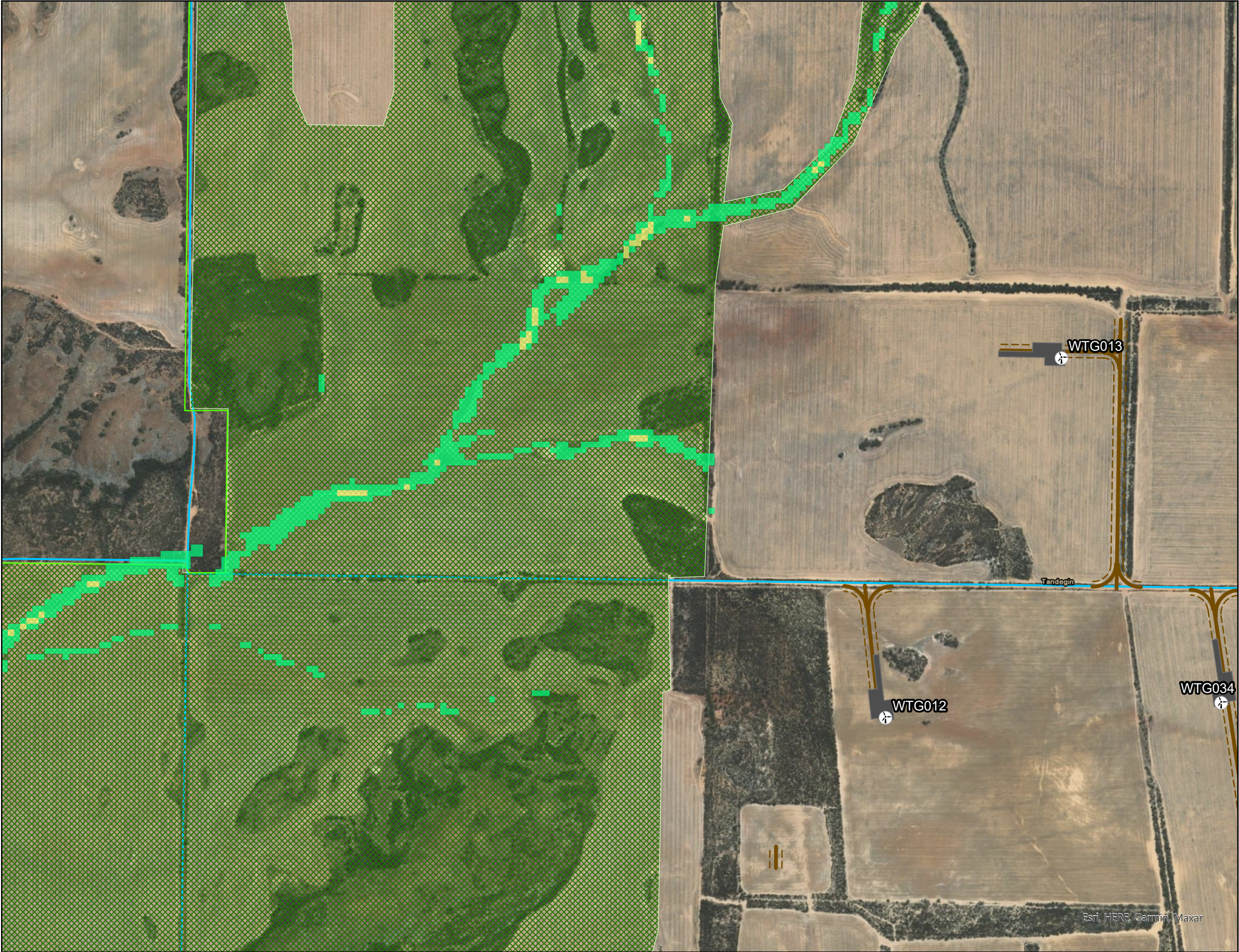
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EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
5% AEP - Velocity



Legend

Hydraulic Model Boundary

Velocity (m/s)

< 0.3

0.3 - 0.5

0.5 - 1.0

Collgar Wind Farm layout

Wind Turbine Locations

Hardstands

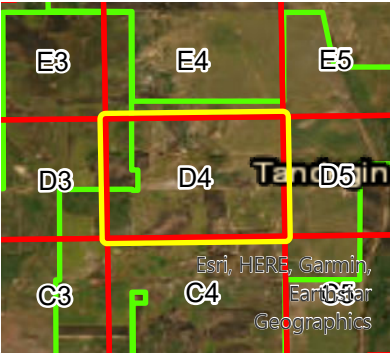
Access Road - Corridor

Access Road - Centreline

Project Area

Protected Areas

Existing Road Network



DRAFT

Rev A



0 2,500 5,000 10,000 m

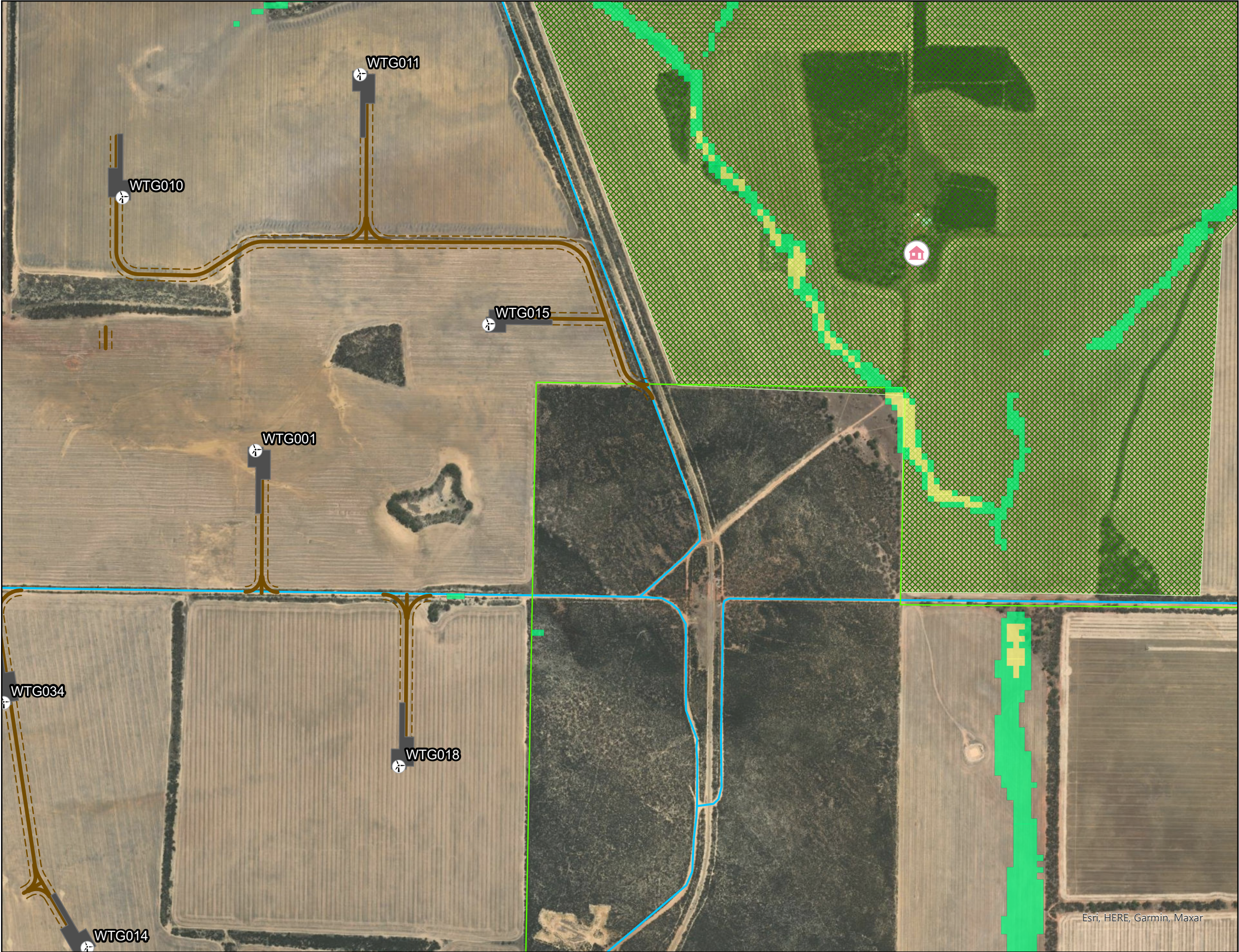
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27/8/2025

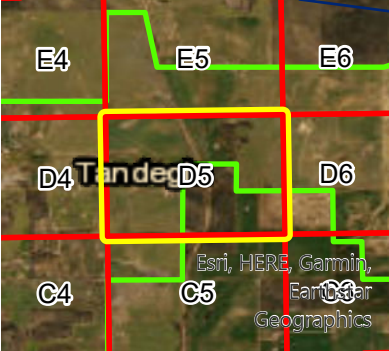
528866

**Collgar Wind Farm - Existing
5% AEP - Velocity**



Legend

- Hydraulic Model Boundary
- Velocity (m/s)
 - < 0.3
 - 0.3 - 0.5
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- Collgar Wind Farm layout
 - Wind Turbine Locations
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 - Dwellings
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DRAFT

Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
5% AEP - Velocity



Legend

Hydraulic Model Boundary

Velocity (m/s)

< 0.3

0.3 - 0.5

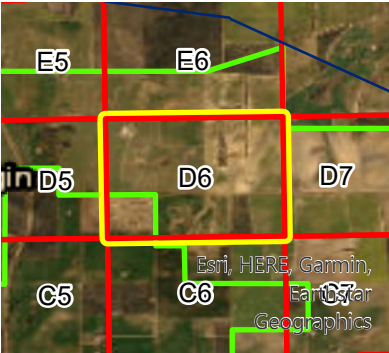
0.5 - 1.0

Collgar Wind Farm layout

Project Area

Protected Areas

Existing Road Network



DRAFT

Rev A



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A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
5% AEP - Velocity



Legend

 Hydraulic Model Boundary

Velocity (m/s)

< 0.3

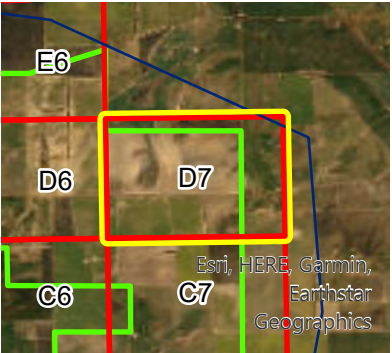
 0.3 - 0.5

 0.5 - 1.0

Collgar Wind Farm layout

 Project Area

 Existing Road Network



DRAFT

Rev A



0 2,500 5,000 10,000 m

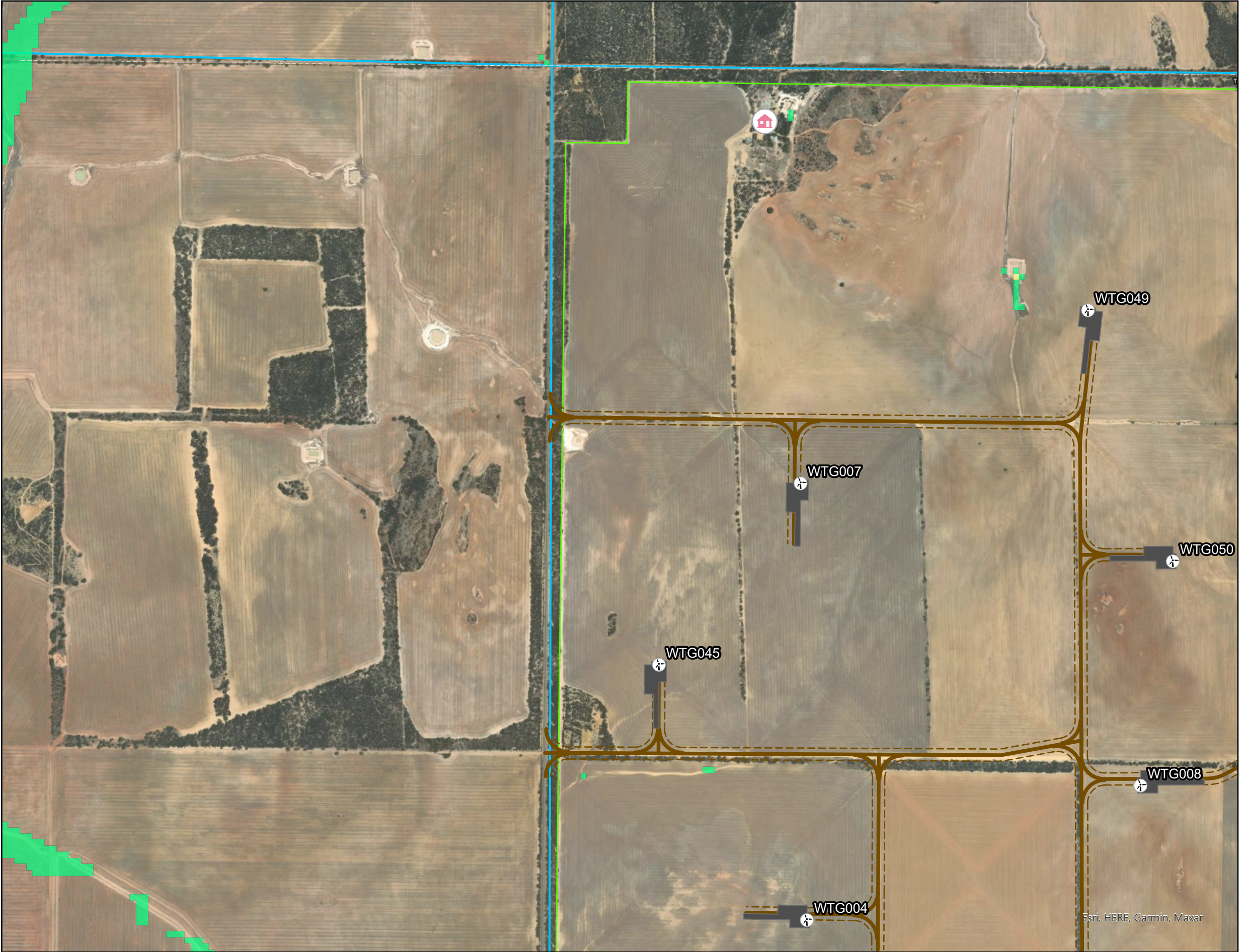
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27/8/2025

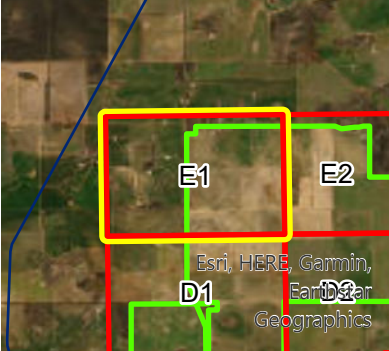
528866

**Collgar Wind Farm - Existing
5% AEP - Velocity**



Legend

- Hydraulic Model Boundary
- Velocity (m/s)
 - < 0.3
 - 0.3 - 0.5
 - 0.5 - 1.0
- Collgar Wind Farm layout
 - Wind Turbine Locations
 - Hardstands
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 - Access Road - Corridor
 - Access Road - Centreline
 - Project Area
 - Existing Road Network



DRAFT

Rev A



0 2,500 5,000 10,000 m

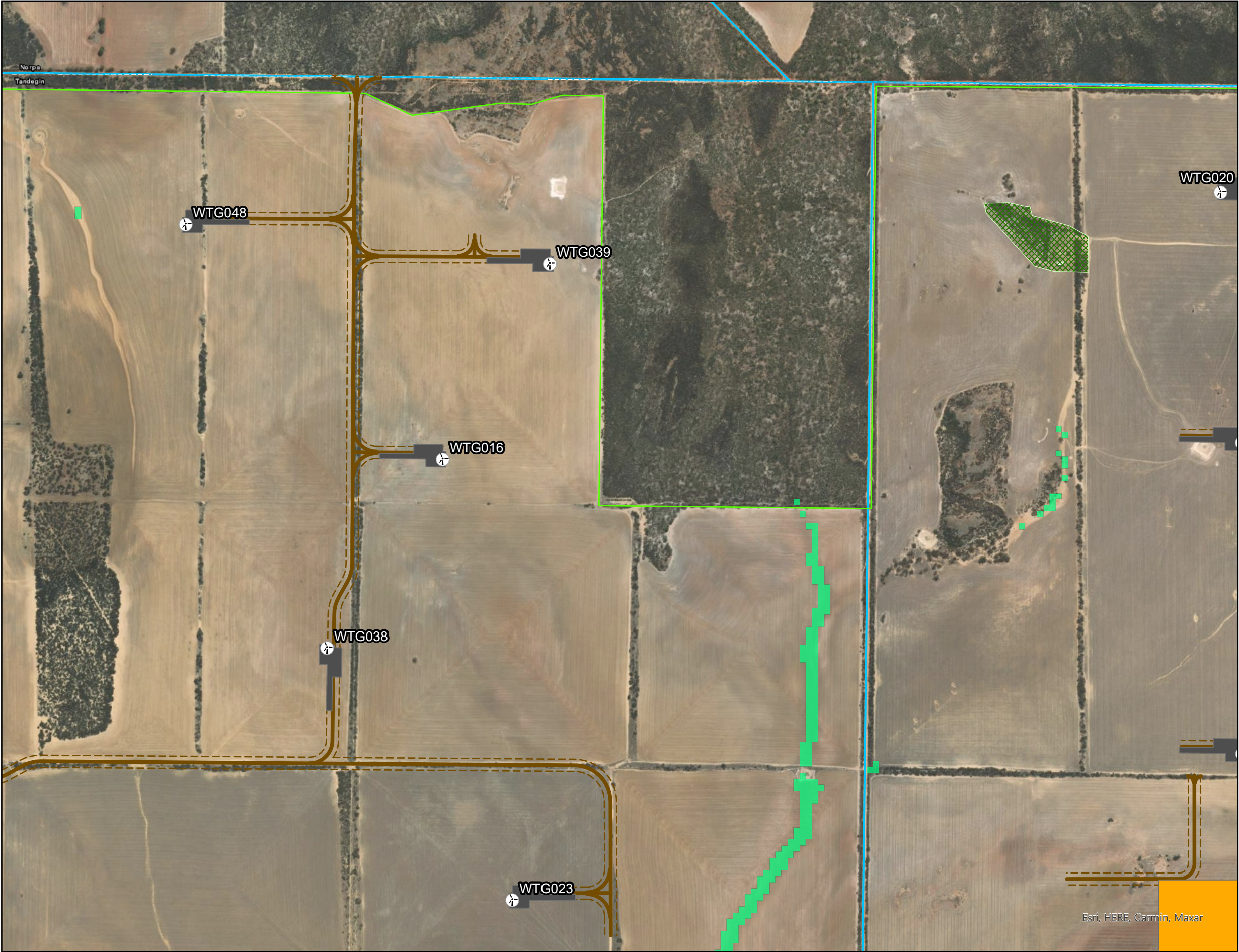
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EPSG:7850

27/8/2025

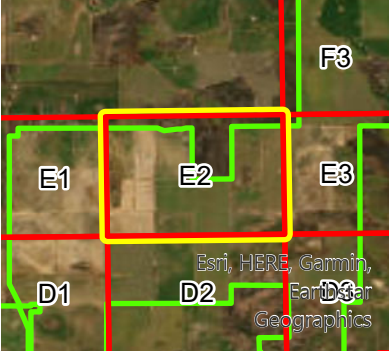
528866

Collgar Wind Farm - Existing
5% AEP - Velocity



Legend

- Hydraulic Model Boundary
- Velocity (m/s)
 - < 0.3
 - 0.3 - 0.5
- Collgar Wind Farm layout
 - Wind Turbine Locations
 - Hardstands
 - Substation Location
 - Access Road - Corridor
 - Access Road - Centreline
 - Project Area
 - Protected Areas
 - Existing Road Network



DRAFT

Rev A



0 2,500 5,000 10,000 m

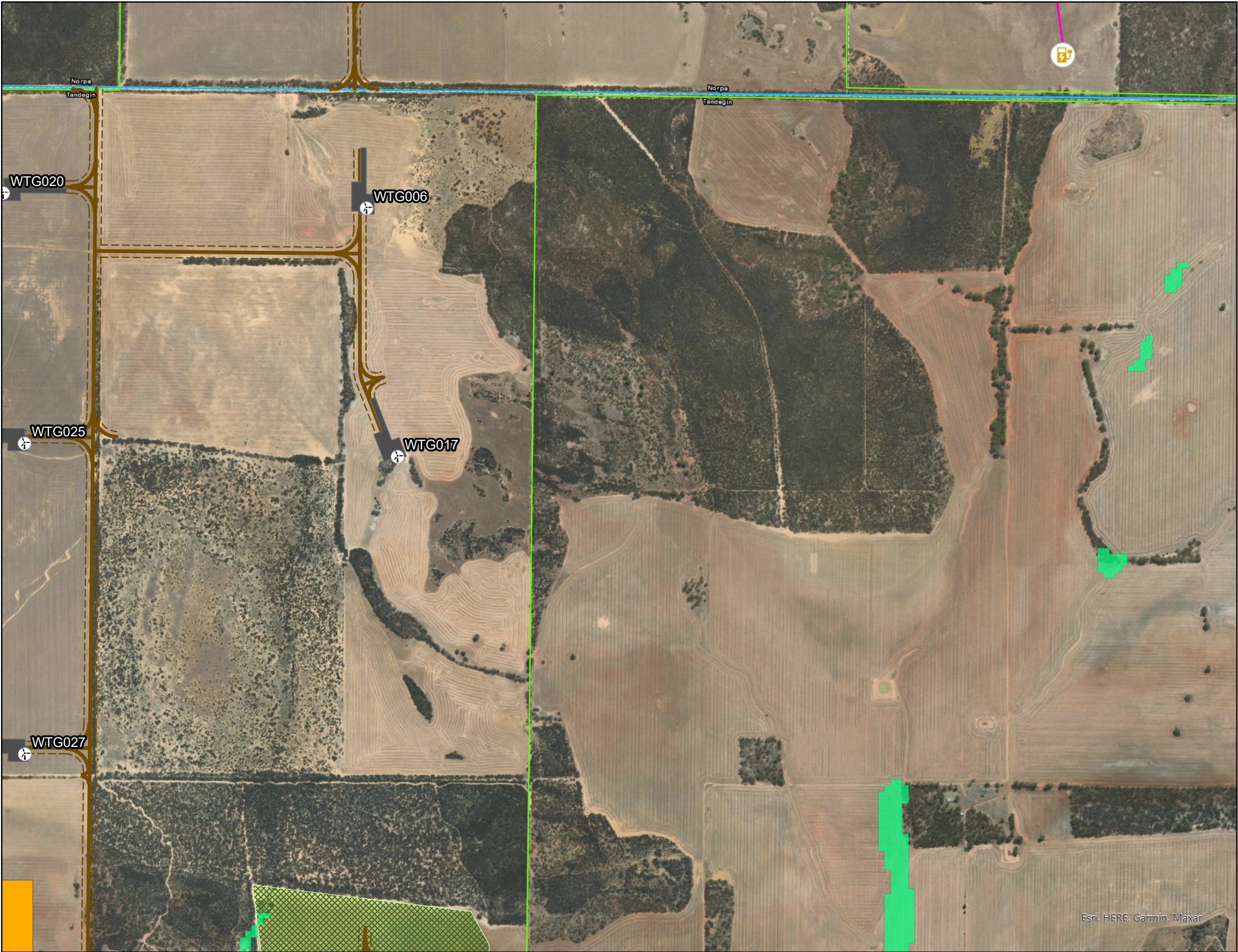
A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
5% AEP - Velocity



Legend

Hydraulic Model Boundary

Velocity (m/s)

< 0.3

0.3 - 0.5

Collgar Wind Farm layout

Wind Turbine Locations

Hardstands

Substation Location

Substation

OHTL 220kV

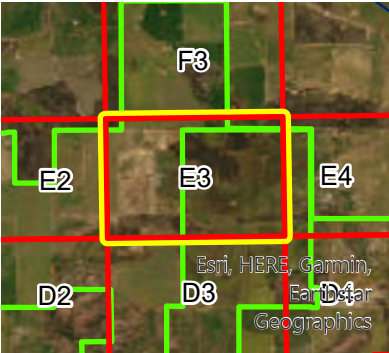
Access Road - Corridor

Access Road - Centreline

Project Area

Protected Areas

Existing Road Network



Esri, HERE, Garmin, Maxar

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Rev A



0 2,500 5,000 10,000 m

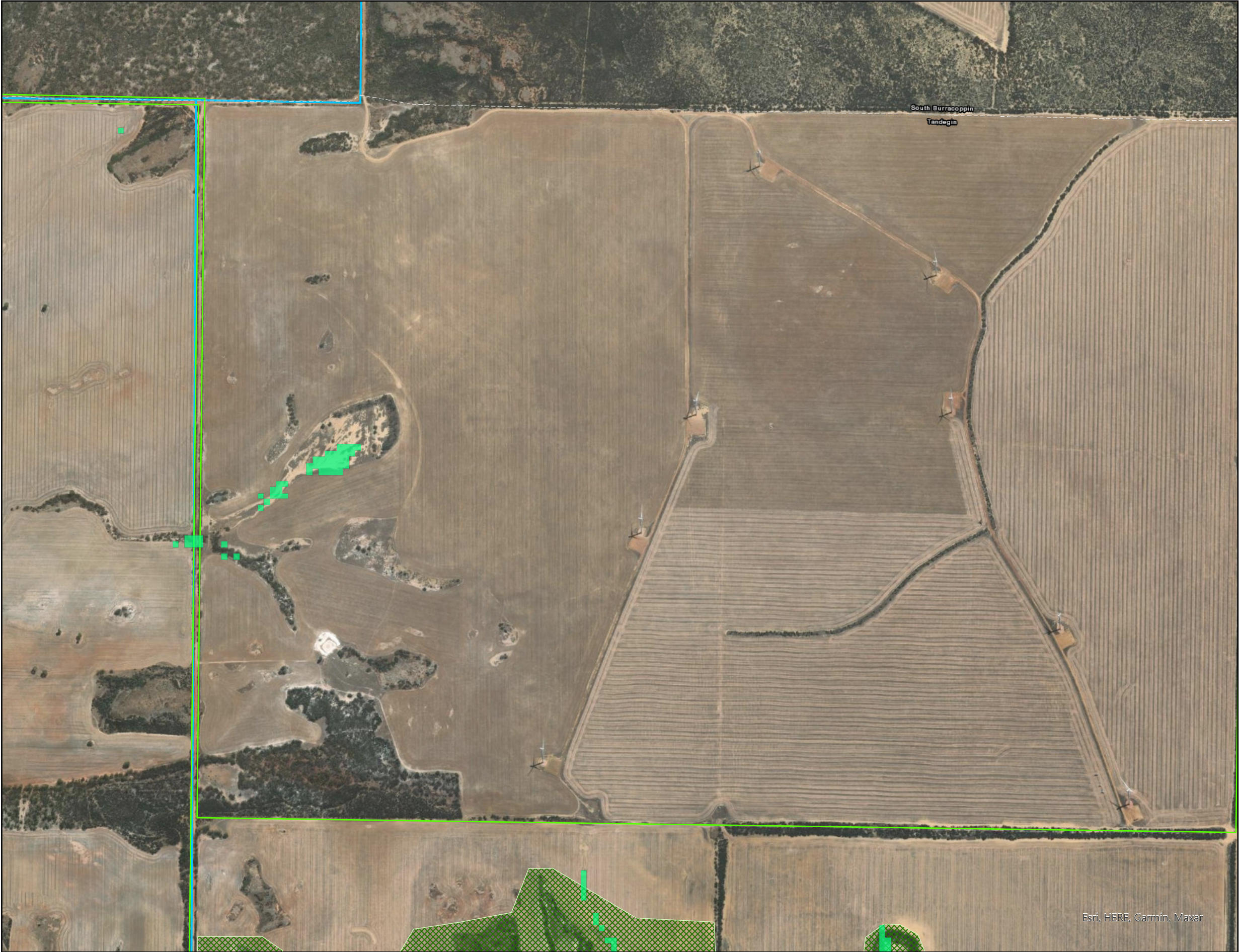
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EPSG:7850

27/8/2025

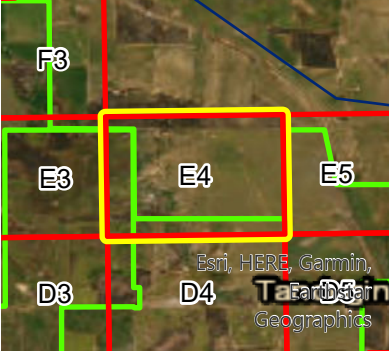
528866

Collgar Wind Farm - Existing
5% AEP - Velocity



Legend

- Hydraulic Model Boundary
- Velocity (m/s)
 - < 0.3
 - 0.3 - 0.5
- Collgar Wind Farm layout
 - Project Area
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 - Existing Road Network



DRAFT

Rev A



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A3 Scale: 1:12,500

EPSG:7850

27/8/2025

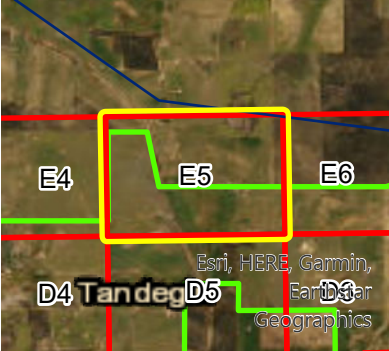
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Collgar Wind Farm - Existing
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A3 Scale: 1:12,500 EPSG:7850

27/8/2025
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Hydraulic Model Boundary

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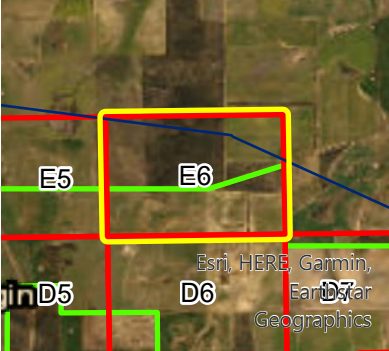
0.3 - 0.5

Collgar Wind Farm layout

Project Area

Protected Areas

Existing Road Network



DRAFT

Rev A



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A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
5% AEP - Velocity



Legend

Hydraulic Model Boundary

Velocity (m/s)

< 0.3

0.3 - 0.5

0.5 - 1.0

Collgar Wind Farm layout

Wind Turbine Locations

Hardstands

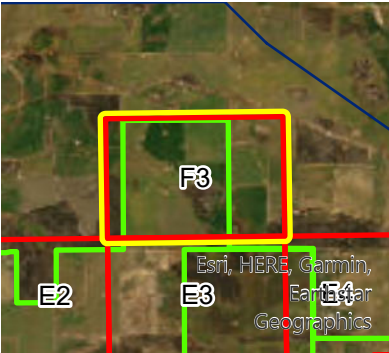
OHTL 220kV

Dwellings

Access Road - Corridor

Access Road - Centreline

Project Area



DRAFT

Rev A



0 2,500 5,000 10,000 m

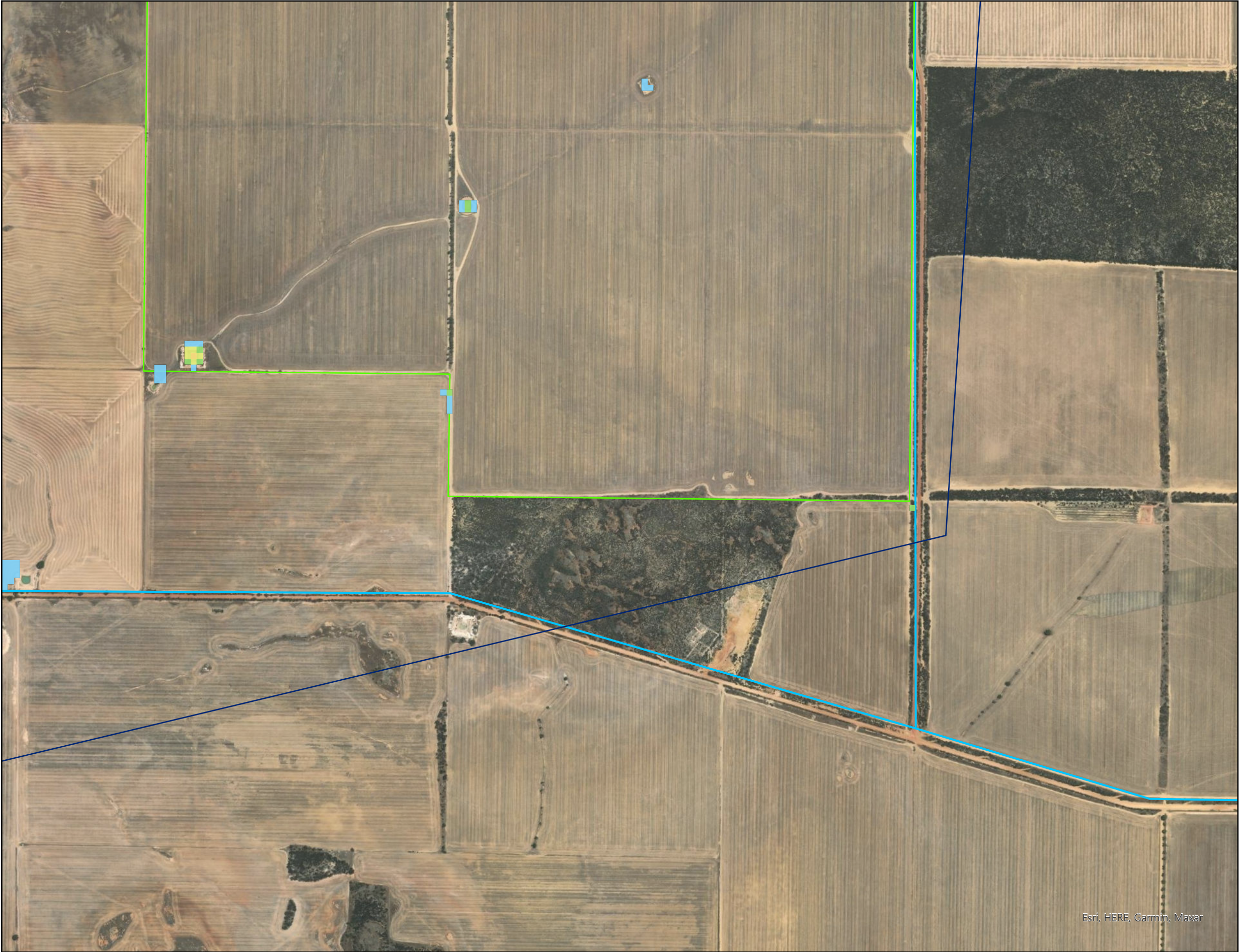
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EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
5% AEP - Velocity



Legend

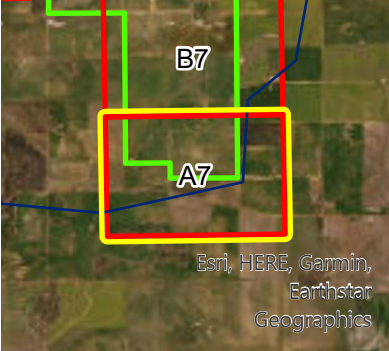
Hydraulic Model Boundary

Flood Hazard

- H1 - Generally safe for vehicles, people and buildings
- H2 - Unsafe for small vehicles
- H3 - Unsafe for vehicles, children and the elderly
- H4 - Unsafe for vehicles and people
- H5 - Unsafe for vehicles and people. All building types vulnerable to structural damage. Some less robust building types vulnerable to failure

Collgar Wind Farm layout

- Project Area
- Existing Road Network



Esri, HERE, Garmin, Maxar

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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

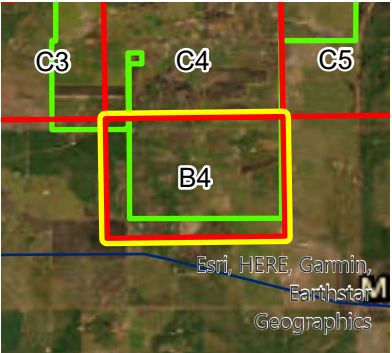
528866

Collgar Wind Farm - Existing
5% AEP - Flood Hazard



Legend

- Hydraulic Model Boundary
- Flood Hazard**
 - H1 - Generally safe for vehicles, people and buildings
 - H2 - Unsafe for small vehicles
 - H3 - Unsafe for vehicles, children and the elderly
- Collgar Wind Farm layout**
 - Wind Turbine Locations
 - Hardstands
 - Access Road - Corridor
 - Access Road - Centreline
 - Project Area
 - Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

**Collgar Wind Farm - Existing
5% AEP - Flood Hazard**



Legend

Hydraulic Model Boundary

Flood Hazard

H1 - Generally safe for vehicles, people and buildings

H2 - Unsafe for small vehicles

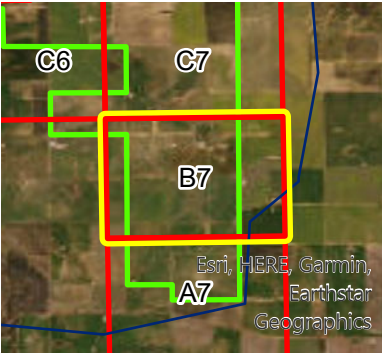
H3 - Unsafe for vehicles, children and the elderly

Collgar Wind Farm layout

Dwellings

Project Area

Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

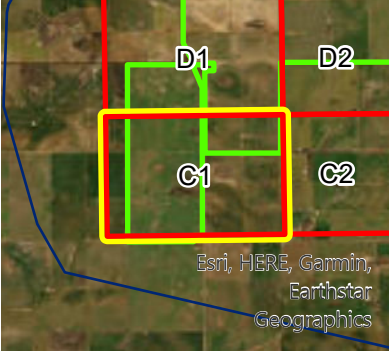
27/8/2025

528866

Collgar Wind Farm - Existing
5% AEP - Flood Hazard



- Legend**
- Hydraulic Model Boundary
- Flood Hazard**
- H1 - Generally safe for vehicles, people and buildings
 - H2 - Unsafe for small vehicles
 - H3 - Unsafe for vehicles, children and the elderly
 - H4 - Unsafe for vehicles and people
- Collgar Wind Farm layout**
- Wind Turbine Locations
 - Hardstands
 - Access Road - Corridor
 - Access Road - Centreline
 - Project Area
 - Existing Road Network



DRAFT

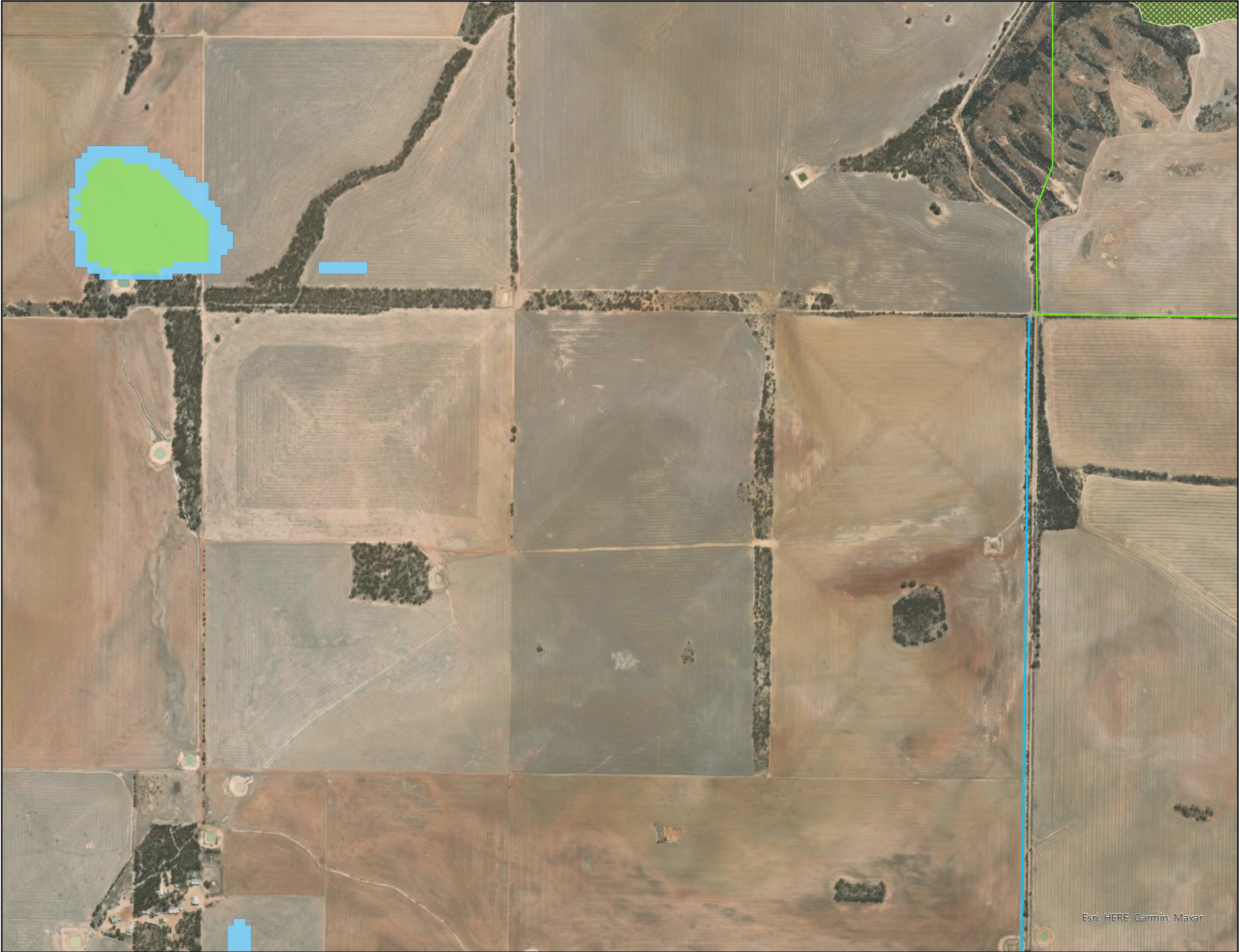
Rev A



0 2,500 5,000 10,000 m
A3 Scale: 1:12,500
EPSG:7850

27/8/2025
528866

**Collgar Wind Farm - Existing
5% AEP - Flood Hazard**



Legend

Hydraulic Model Boundary

Flood Hazard

H1 - Generally safe for vehicles, people and buildings

H2 - Unsafe for small vehicles

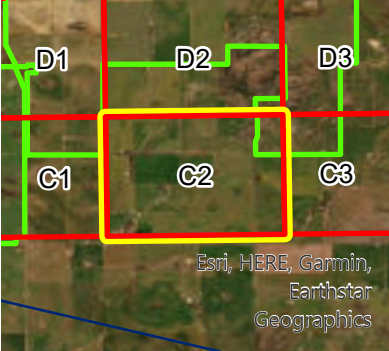
H3 - Unsafe for vehicles, children and the elderly

Collgar Wind Farm layout

Project Area

Existing Road Network

Protected Areas



DRAFT

Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

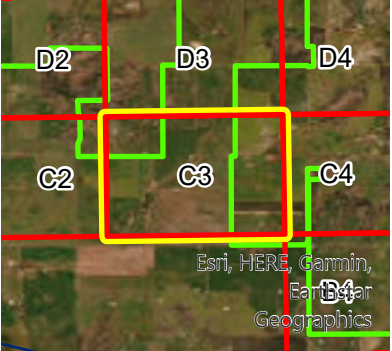
528866

Collgar Wind Farm - Existing
5% AEP - Flood Hazard



Legend

- Hydraulic Model Boundary
- Flood Hazard**
 - H1 - Generally safe for vehicles, people and buildings
 - H2 - Unsafe for small vehicles
- Collgar Wind Farm layout**
 - Dwellings
 - Project Area
 - Existing Road Network
 - Protected Areas



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

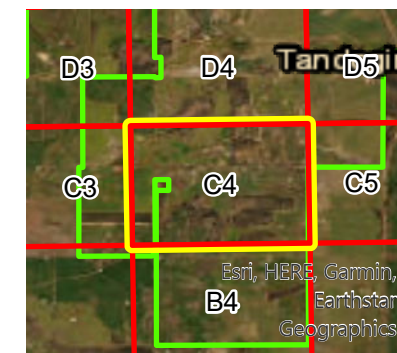
EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
5% AEP - Flood Hazard

-  Hydraulic Model Boundary
- Flood Hazard
-  H1 - Generally safe for vehicles, people and buildings
 -  H2 - Unsafe for small vehicles
 -  H3 - Unsafe for vehicles, children and the elderly
 -  H4 - Unsafe for vehicles and people
- Colgar Wind Farm layout**
-  Wind Turbine Locations
 -  Hardstands
 -  Access Road - Corridor
 -  Access Road - Centreline
 -  Project Area
 -  Existing Road Network
 -  Protected Areas



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Rev A



A horizontal number line with tick marks at 0, 2,500, 5,000, and 10,000 m.

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

WTG044

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Collgar Wind Farm - Existing
5% AEP - Flood Hazard



Legend

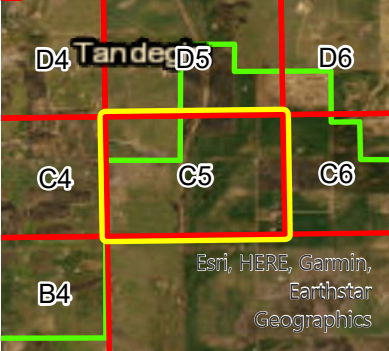
Hydraulic Model Boundary

Flood Hazard

- H1 - Generally safe for vehicles, people and buildings
- H2 - Unsafe for small vehicles
- H3 - Unsafe for vehicles, children and the elderly

Collgar Wind Farm layout

- Dwellings
- Project Area
- Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

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528866

Collgar Wind Farm - Existing
5% AEP - Flood Hazard



Legend

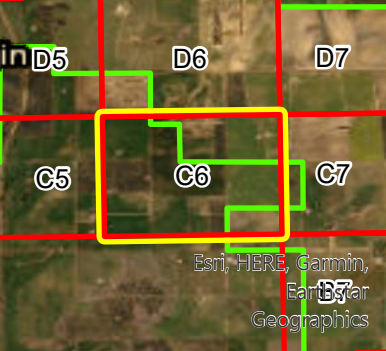
Hydraulic Model Boundary

Flood Hazard

- H1 - Generally safe for vehicles, people and buildings
- H2 - Unsafe for small vehicles
- H3 - Unsafe for vehicles, children and the elderly

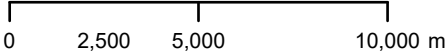
Collgar Wind Farm layout

- Project Area
- Existing Road Network



DRAFT

Rev A



A3 Scale: 1:12,500 EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
5% AEP - Flood Hazard



Legend

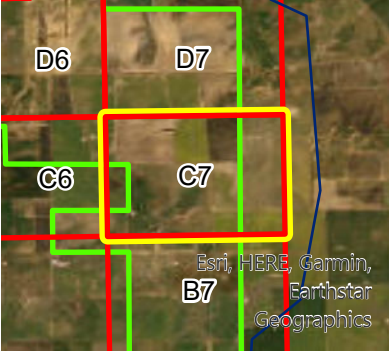
Hydraulic Model Boundary

Flood Hazard

- H1 - Generally safe for vehicles, people and buildings
- H2 - Unsafe for small vehicles
- H3 - Unsafe for vehicles, children and the elderly
- H4 - Unsafe for vehicles and people
- H5 - Unsafe for vehicles and people. All building types vulnerable to structural damage. Some less robust building types vulnerable to failure

Collgar Wind Farm layout

- Project Area
- Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500 EPSG:7850

27/8/2025

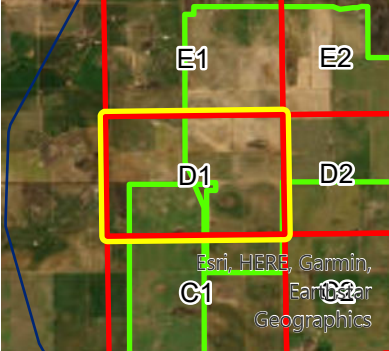
528866

Collgar Wind Farm - Existing
5% AEP - Flood Hazard



Legend

- Hydraulic Model Boundary
- Flood Hazard
 - H1 - Generally safe for vehicles, people and buildings
 - H2 - Unsafe for small vehicles
 - H3 - Unsafe for vehicles, children and the elderly
 - H4 - Unsafe for vehicles and people
- Collgar Wind Farm layout
 - Wind Turbine Locations
 - Hardstands
 - Access Road - Corridor
 - Access Road - Centreline
 - Project Area
 - Existing Road Network
 - Protected Areas



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Rev A



0 2,500 5,000 10,000 m
A3 Scale: 1:12,500 EPSG:7850

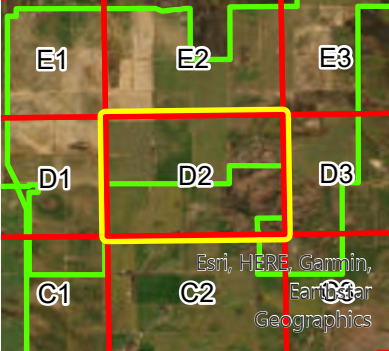
27/8/2025
528866

Collgar Wind Farm - Existing
5% AEP - Flood Hazard



Legend

- Hydraulic Model Boundary
- Flood Hazard
 - H1 - Generally safe for vehicles, people and buildings
 - H2 - Unsafe for small vehicles
 - H3 - Unsafe for vehicles, children and the elderly
 - H4 - Unsafe for vehicles and people
- Collgar Wind Farm layout
 - Hardstands
 - Substation Location
 - Project Area
 - Existing Road Network
 - Protected Areas



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

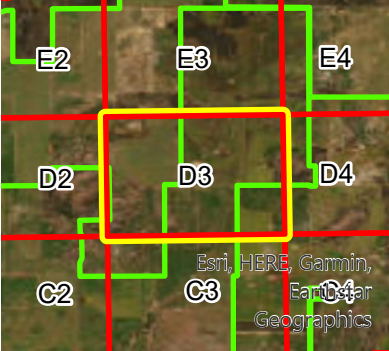
528866

Collgar Wind Farm - Existing
5% AEP - Flood Hazard



Legend

- Hydraulic Model Boundary
- Flood Hazard**
 - H1 - Generally safe for vehicles, people and buildings
 - H2 - Unsafe for small vehicles
 - H3 - Unsafe for vehicles, children and the elderly
 - H4 - Unsafe for vehicles and people
- Collgar Wind Farm layout**
 - Wind Turbine Locations
 - Hardstands
 - Substation Location
 - Access Road - Corridor
 - Access Road - Centreline
 - Project Area
 - Existing Road Network
 - Protected Areas



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

**Collgar Wind Farm - Existing
5% AEP - Flood Hazard**

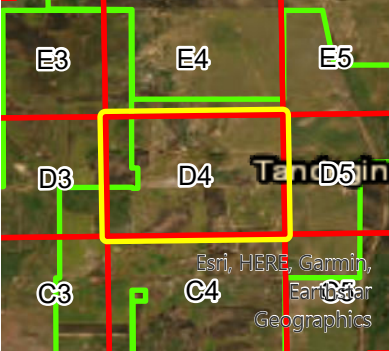


Legend

- Hydraulic Model Boundary
- Flood Hazard
 - H1 - Generally safe for vehicles, people and buildings
 - H2 - Unsafe for small vehicles
 - H3 - Unsafe for vehicles, children and the elderly
 - H4 - Unsafe for vehicles and people

Collgar Wind Farm layout

- Wind Turbine Locations
- Hardstands
- Access Road - Corridor
- Access Road - Centreline
- Project Area
- Existing Road Network
- Protected Areas



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Rev A



0 2,500 5,000 10,000 m

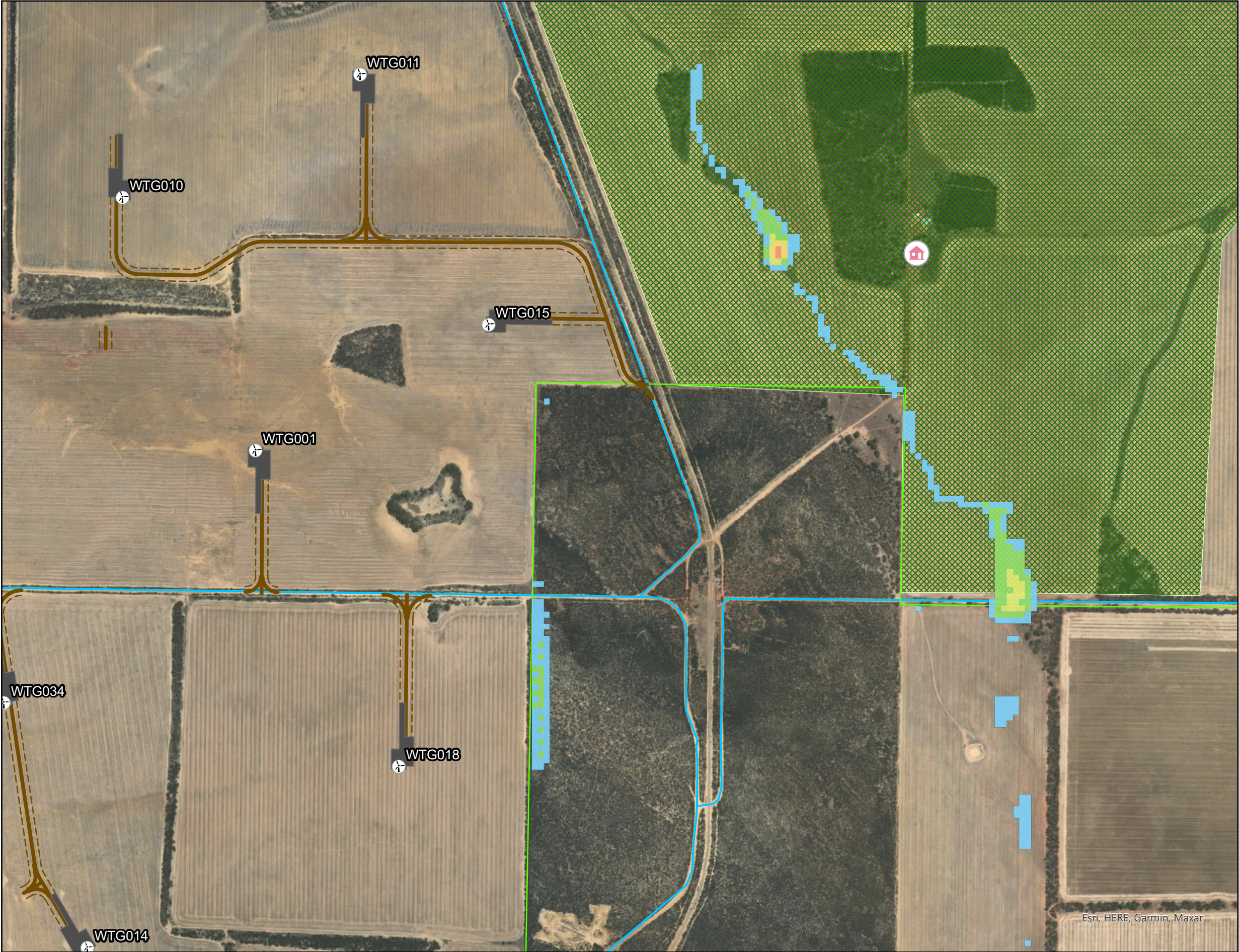
A3 Scale: 1:12,500

EPSG:7850

27/8/2025

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Collgar Wind Farm - Existing
5% AEP - Flood Hazard

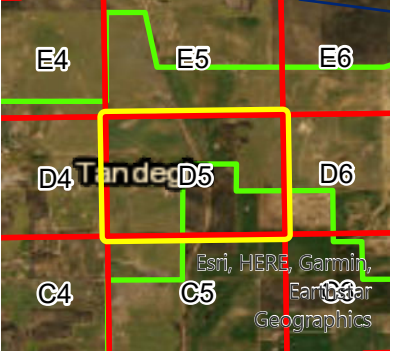


Legend

- Hydraulic Model Boundary
- Flood Hazard
- H1 - Generally safe for vehicles, people and buildings
 - H2 - Unsafe for small vehicles
 - H3 - Unsafe for vehicles, children and the elderly
 - H4 - Unsafe for vehicles and people
 - H5 - Unsafe for vehicles and people. All building types vulnerable to structural damage. Some less robust building types vulnerable to failure
 - H6 - Unsafe for vehicles and people. All building types vulnerable to structural damage. All building types considered vulnerable to failure

Collgar Wind Farm layout

- Wind Turbine Locations
- Hardstands
- Dwellings
- Access Road - Corridor
- Access Road - Centreline
- Project Area
- Existing Road Network
- Protected Areas



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

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Legend

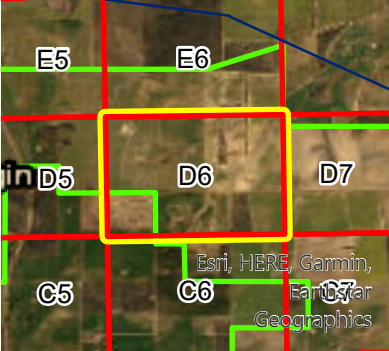
Hydraulic Model Boundary

Flood Hazard

- H1 - Generally safe for vehicles, people and buildings
- H2 - Unsafe for small vehicles
- H3 - Unsafe for vehicles, children and the elderly

Collgar Wind Farm layout

- Project Area
- Existing Road Network
- Protected Areas



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

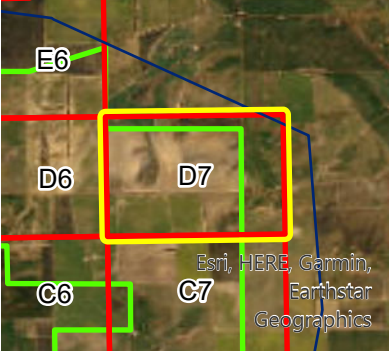
27/8/2025

528866

Collgar Wind Farm - Existing
5% AEP - Flood Hazard



- Legend**
- Hydraulic Model Boundary
- Flood Hazard**
- H1 - Generally safe for vehicles, people and buildings
 - H2 - Unsafe for small vehicles
 - H3 - Unsafe for vehicles, children and the elderly
- Collgar Wind Farm layout**
- Project Area
 - Existing Road Network



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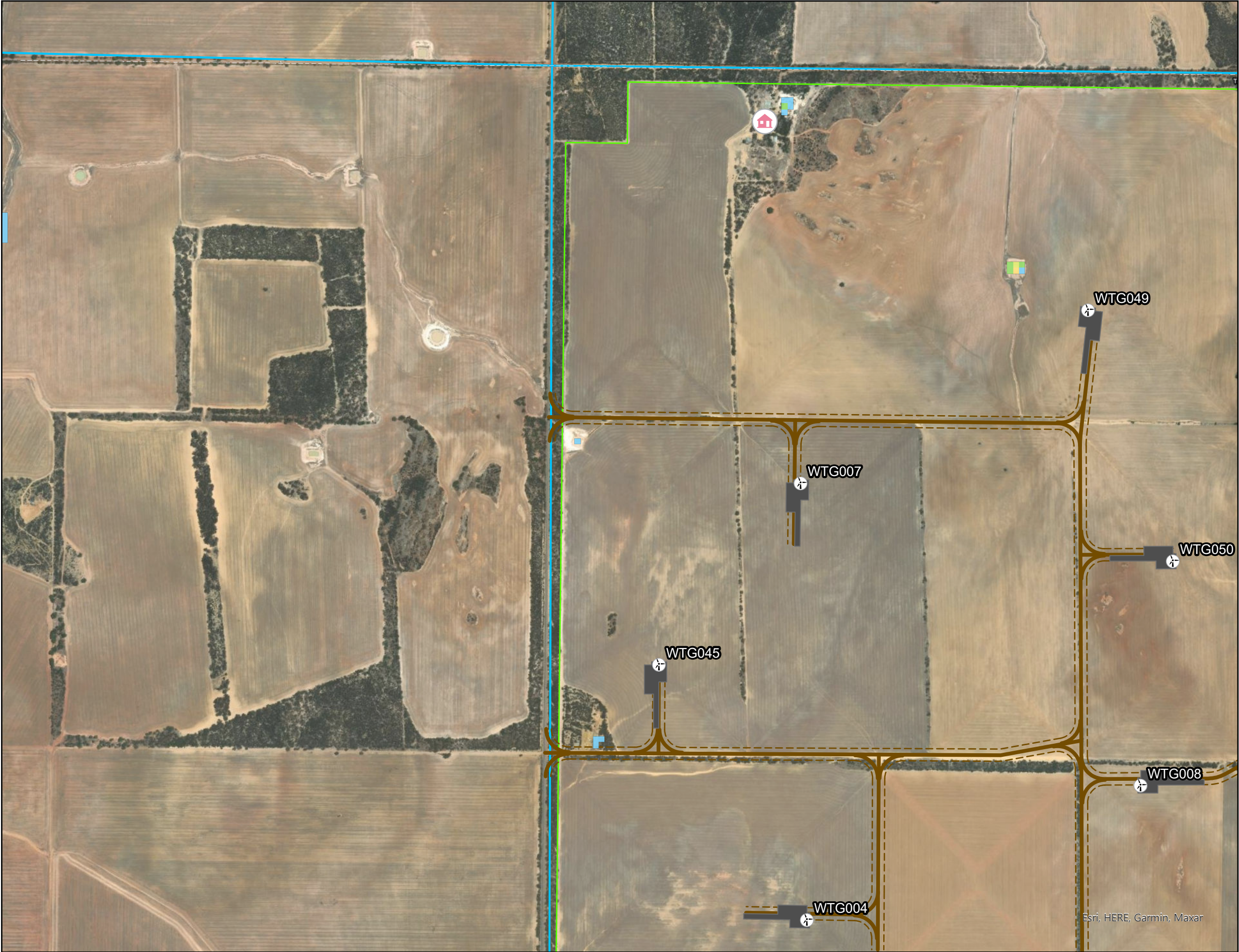
Rev A



0 2,500 5,000 10,000 m
A3 Scale: 1:12,500 EPSG:7850

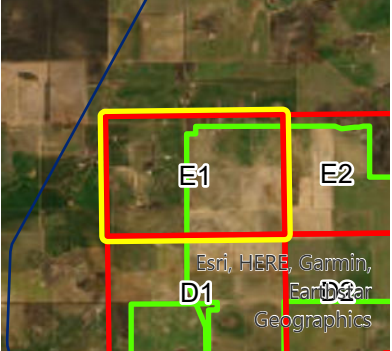
27/8/2025
528866

**Collgar Wind Farm - Existing
5% AEP - Flood Hazard**



Legend

- Hydraulic Model Boundary
- Flood Hazard
 - H1 - Generally safe for vehicles, people and buildings
 - H2 - Unsafe for small vehicles
 - H3 - Unsafe for vehicles, children and the elderly
 - H4 - Unsafe for vehicles and people
 - H5 - Unsafe for vehicles and people. All building types vulnerable to structural damage. Some less robust building types vulnerable to failure
- Collgar Wind Farm layout
 - Wind Turbine Locations
 - Hardstands
 - Dwellings
 - Access Road - Corridor
 - Access Road - Centreline
 - Project Area
 - Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

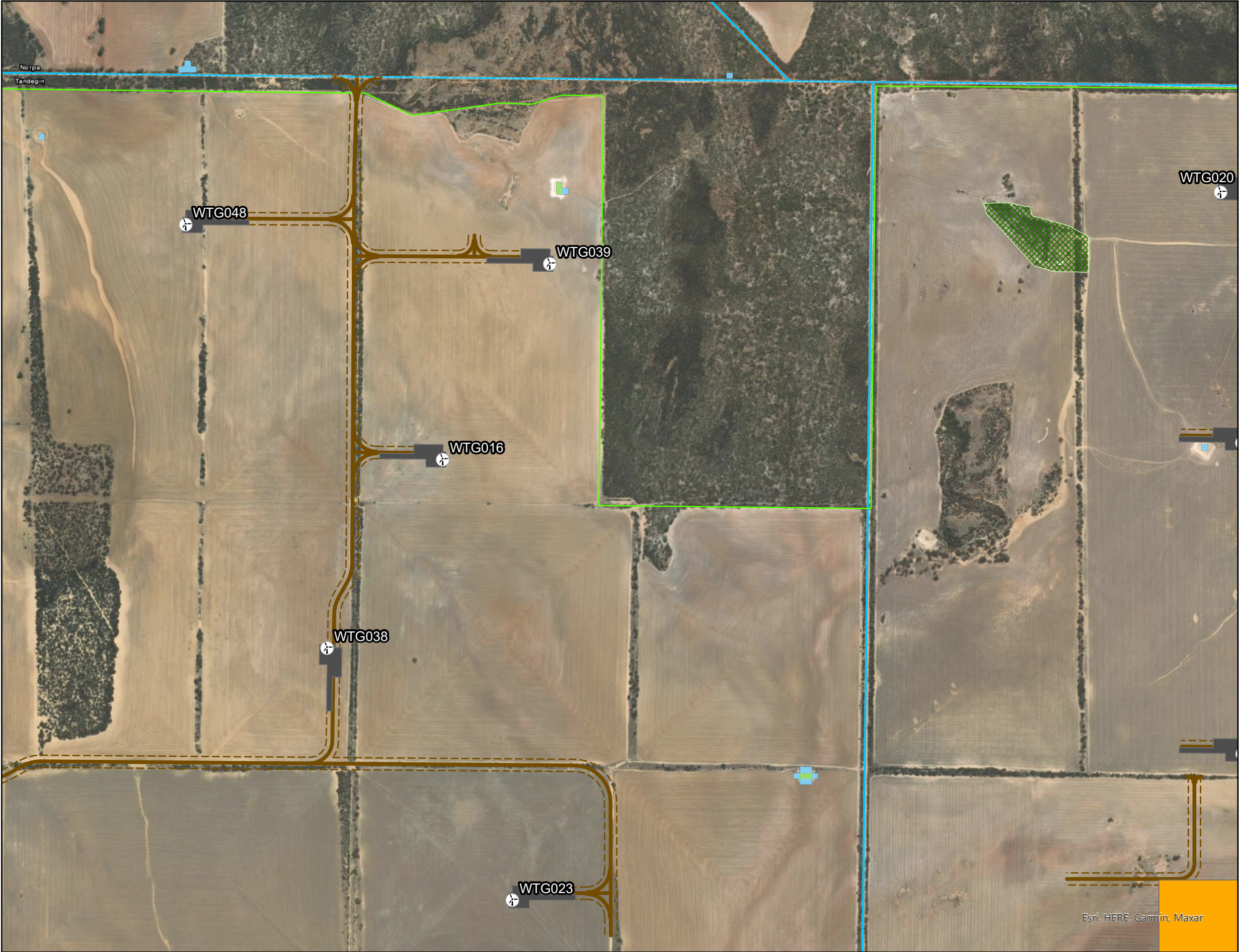
A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
5% AEP - Flood Hazard

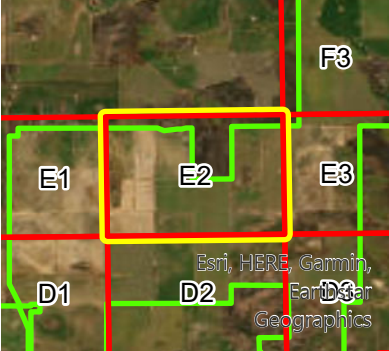


Legend

- Hydraulic Model Boundary
- Flood Hazard
 - H1 - Generally safe for vehicles, people and buildings
 - H2 - Unsafe for small vehicles
 - H3 - Unsafe for vehicles, children and the elderly

Collgar Wind Farm layout

- Wind Turbine Locations
- Hardstands
- Substation Location
- Access Road - Corridor
- Access Road - Centreline
- Project Area
- Existing Road Network
- Protected Areas



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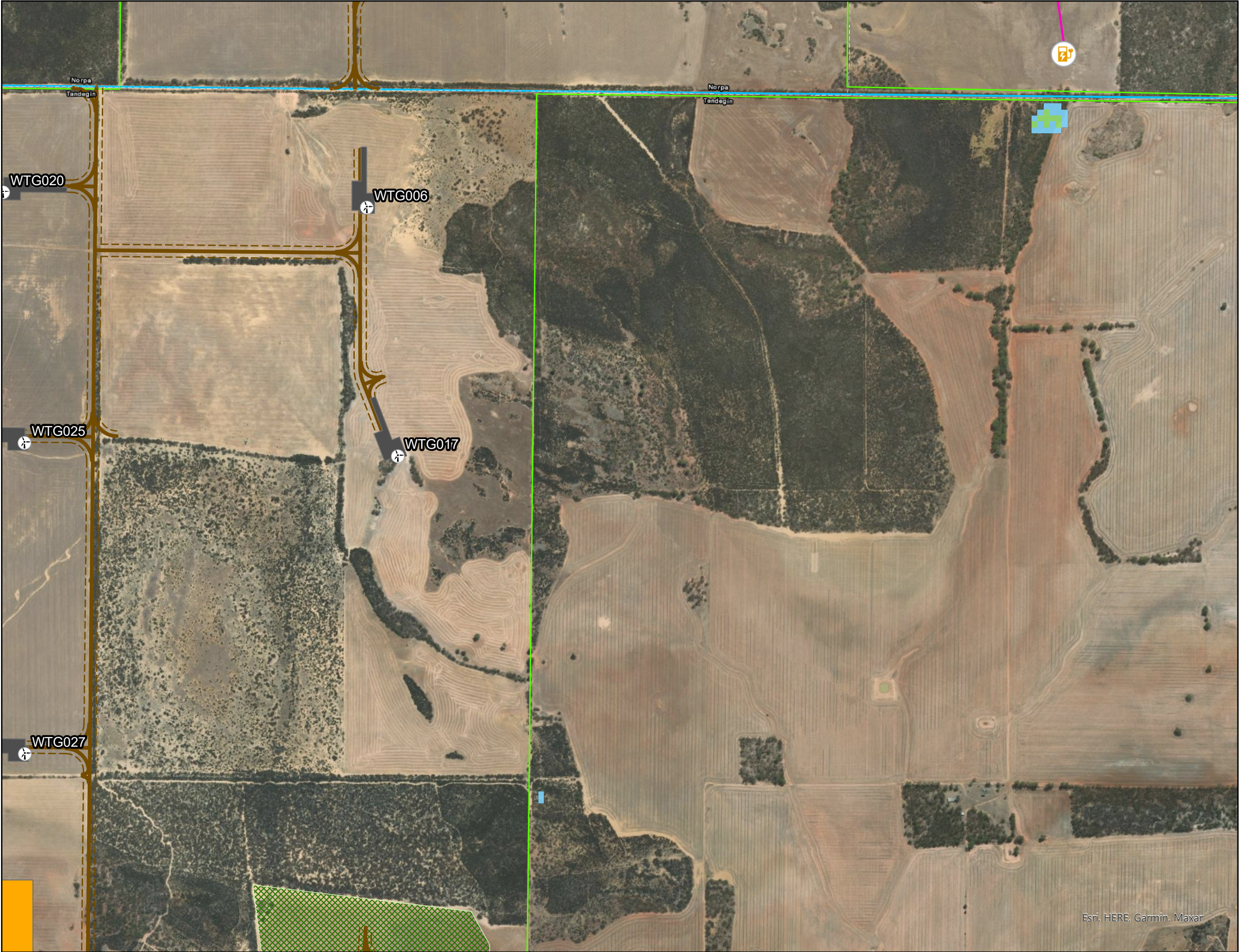
Rev A



0 2,500 5,000 10,000 m
A3 Scale: 1:12,500 EPSG:7850

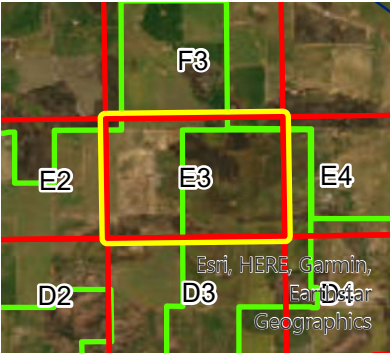
27/8/2025
528866

Collgar Wind Farm - Existing
5% AEP - Flood Hazard



Legend

- Hydraulic Model Boundary
- Flood Hazard
 - H1 - Generally safe for vehicles, people and buildings
 - H2 - Unsafe for small vehicles
 - H3 - Unsafe for vehicles, children and the elderly
- Collgar Wind Farm layout
 - Wind Turbine Locations
 - Hardstands
 - Substation Location
 - Substation
 - OHTL 220kV
 - Access Road - Corridor
 - Access Road - Centreline
 - Project Area
 - Existing Road Network
 - Protected Areas



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
5% AEP - Flood Hazard



Legend

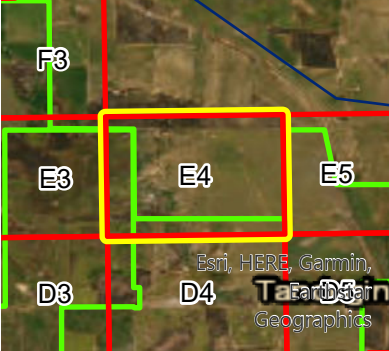
Hydraulic Model Boundary

Flood Hazard

- H1 - Generally safe for vehicles, people and buildings
- H2 - Unsafe for small vehicles
- H3 - Unsafe for vehicles, children and the elderly

Collgar Wind Farm layout

- Project Area
- Existing Road Network
- Protected Areas



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Rev A



0 2,500 5,000 10,000 m

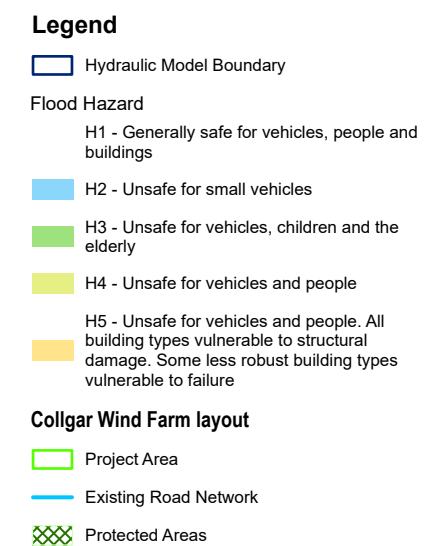
A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
5% AEP - Flood Hazard



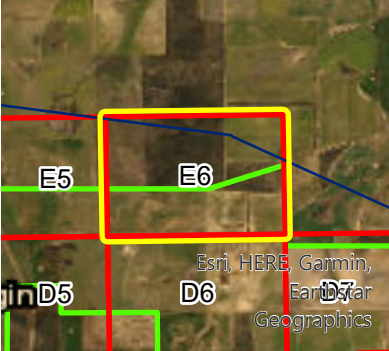
DRAFT

Rev A



Legend

- Hydraulic Model Boundary
- Flood Hazard
 - H1 - Generally safe for vehicles, people and buildings
 - H2 - Unsafe for small vehicles
 - H3 - Unsafe for vehicles, children and the elderly
- Collgar Wind Farm layout
 - Project Area
 - Existing Road Network
 - Protected Areas



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

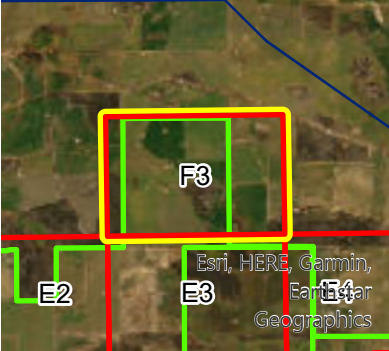
528866

Collgar Wind Farm - Existing
5% AEP - Flood Hazard



Legend

- Hydraulic Model Boundary
- Flood Hazard
 - H1 - Generally safe for vehicles, people and buildings
 - H2 - Unsafe for small vehicles
 - H3 - Unsafe for vehicles, children and the elderly
 - H4 - Unsafe for vehicles and people
 - H5 - Unsafe for vehicles and people. All building types vulnerable to structural damage. Some less robust building types vulnerable to failure
- Collgar Wind Farm layout
 - Wind Turbine Locations
 - Hardstands
 - OHTL 220kV
 - Dwellings
 - Access Road - Corridor
 - Access Road - Centreline
 - Project Area
 - Existing Road Network



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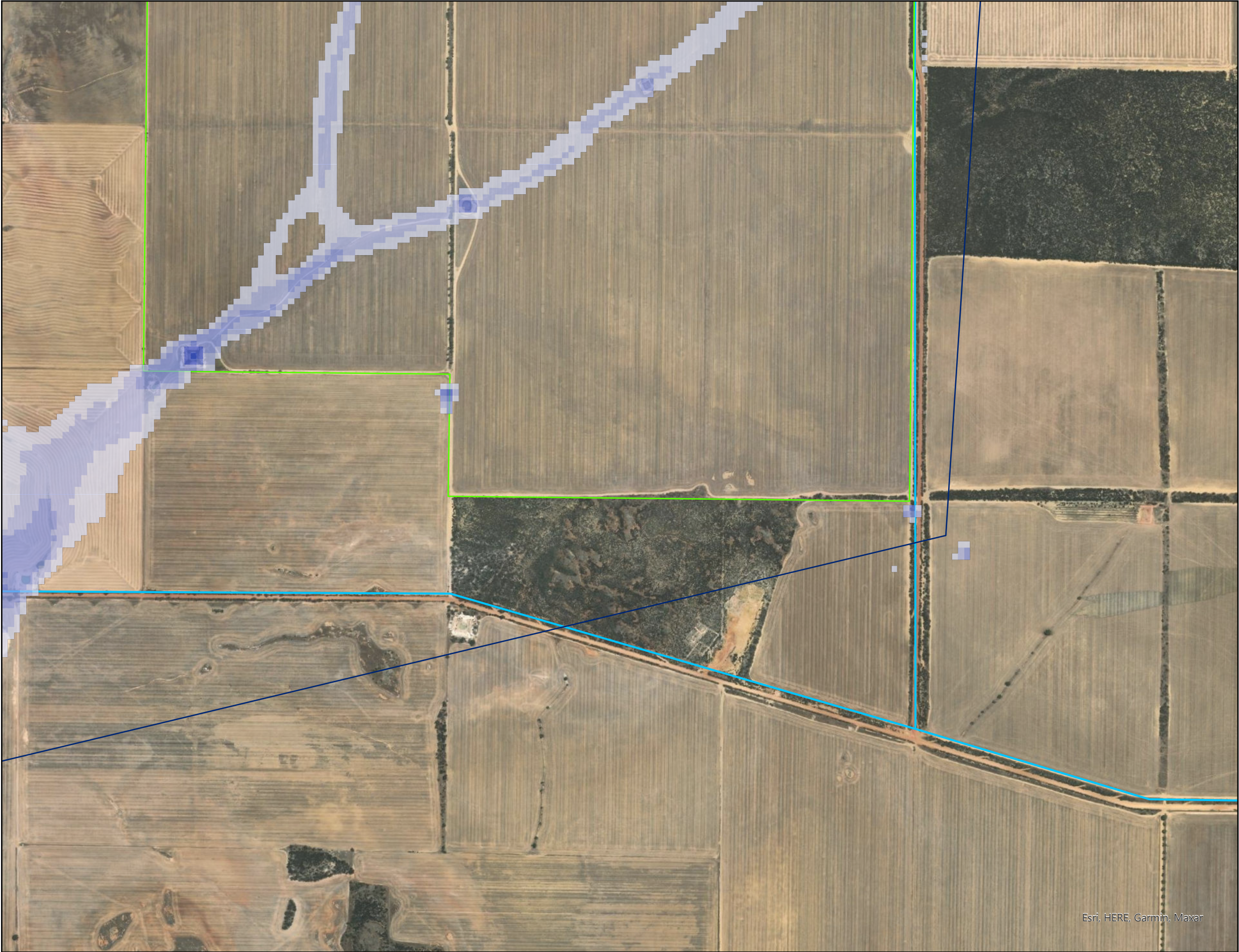


0 2,500 5,000 10,000 m
A3 Scale: 1:12,500 EPSG:7850

27/8/2025
528866

Collgar Wind Farm - Existing
5% AEP - Flood Hazard

Appendix C – 2% AEP Flood Maps



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

0.50 - 1.0

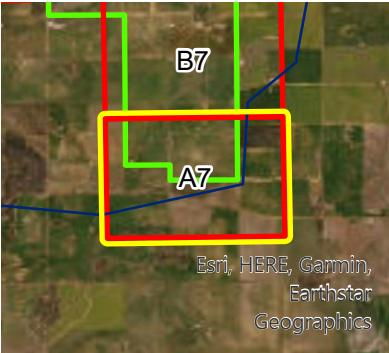
1.00 - 2.0

> 2.0

Collgar Wind Farm layout

Project Area

Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

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Collgar Wind Farm - Existing
2% AEP - Flood Depth



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

0.50 - 1.0

1.00 - 2.0

Collgar Wind Farm layout

Wind Turbine Locations

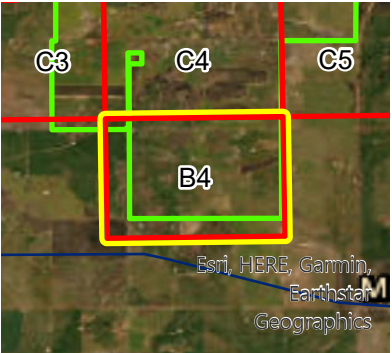
Hardstands

Access Road - Corridor

Access Road - Centreline

Project Area

Existing Road Network



Esri, HERE, Garmin, Maxar

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0 2,500 5,000 10,000 m

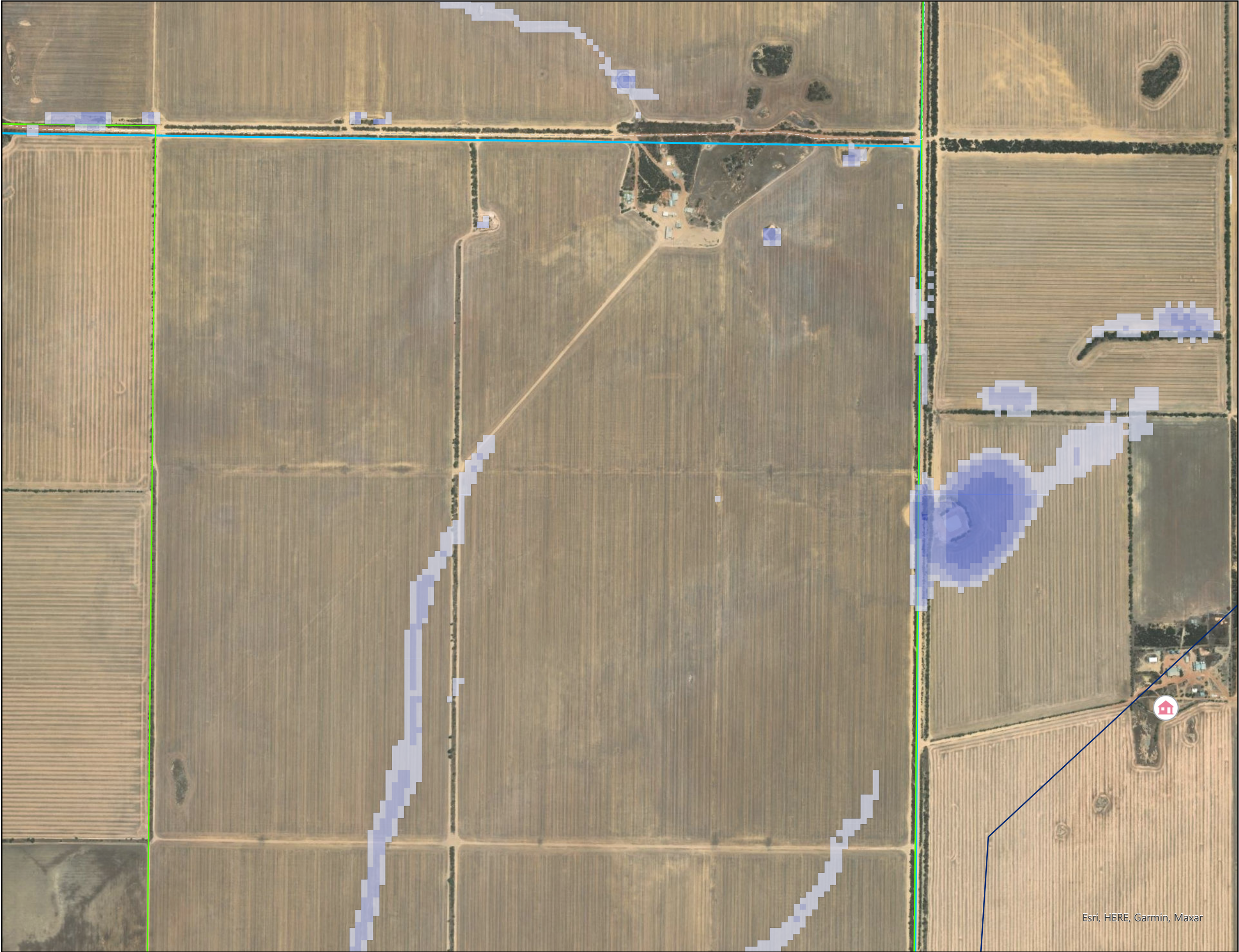
A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

**Collgar Wind Farm - Existing
2% AEP - Flood Depth**



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

0.50 - 1.0

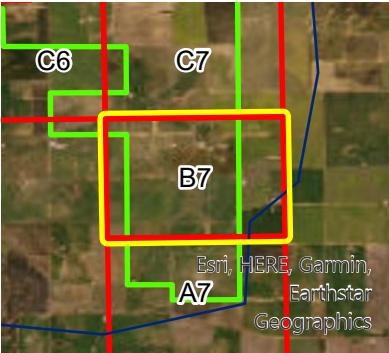
1.00 - 2.0

Collgar Wind Farm layout

Dwellings

Project Area

Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing

2% AEP - Flood Depth



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

0.50 - 1.0

1.00 - 2.0

> 2.0

Collgar Wind Farm layout

Wind Turbine Locations

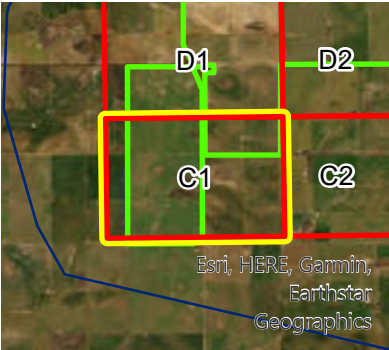
Hardstands

Access Road - Corridor

Access Road - Centreline

Project Area

Existing Road Network



Esri, HERE, Garmin, Maxar

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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
2% AEP - Flood Depth



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

0.50 - 1.0

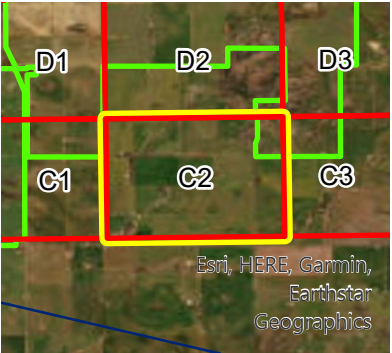
1.00 - 2.0

Collgar Wind Farm layout

Project Area

Protected Areas

Existing Road Network



Esri, HERE, Garmin, Maxar

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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
2% AEP - Flood Depth



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

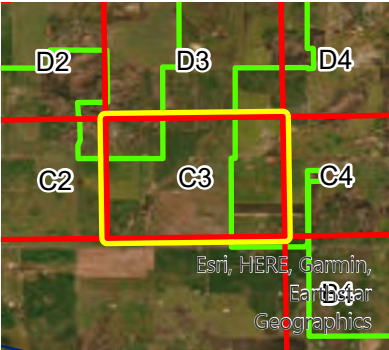
0.50 - 1.0

Collgar Wind Farm layout

Dwellings

Project Area

Protected Areas



DRAFT

Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
2% AEP - Flood Depth



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

0.50 - 1.0

1.00 - 2.0

Collgar Wind Farm layout

Wind Turbine Locations

Hardstands

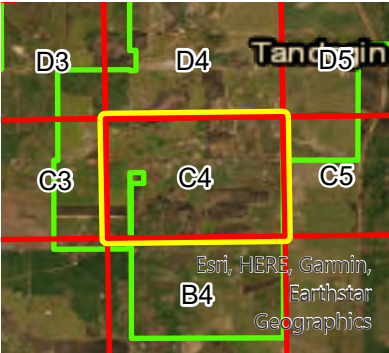
Access Road - Corridor

Access Road - Centreline

Project Area

Protected Areas

Existing Road Network



DRAFT

Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

WTG044

Esri, HERE, Garmin, Maxar

Collgar Wind Farm - Existing
2% AEP - Flood Depth



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

0.50 - 1.0

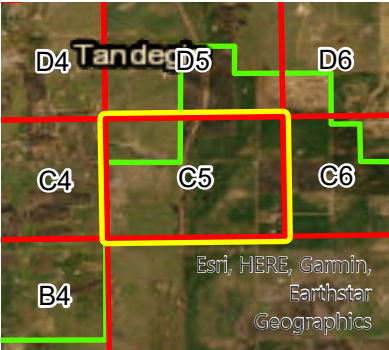
1.00 - 2.0

Collgar Wind Farm layout

Dwellings

Project Area

Existing Road Network



DRAFT

Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

**Collgar Wind Farm - Existing
2% AEP - Flood Depth**



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

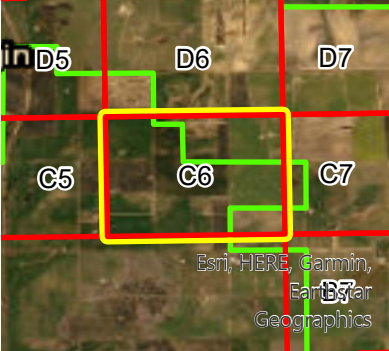
0.20 - 0.5

0.50 - 1.0

1.00 - 2.0

Collgar Wind Farm layout

Project Area



DRAFT

Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
2% AEP - Flood Depth



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

0.50 - 1.0

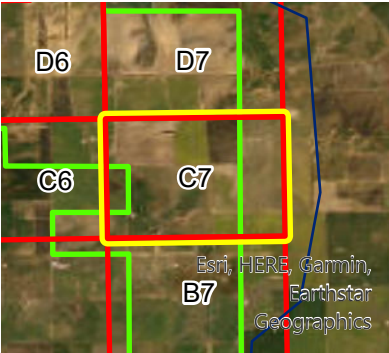
1.00 - 2.0

> 2.0

Collgar Wind Farm layout

Project Area

Existing Road Network



DRAFT

Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
2% AEP - Flood Depth



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

0.50 - 1.0

1.00 - 2.0

Collgar Wind Farm layout

Wind Turbine Locations

Hardstands

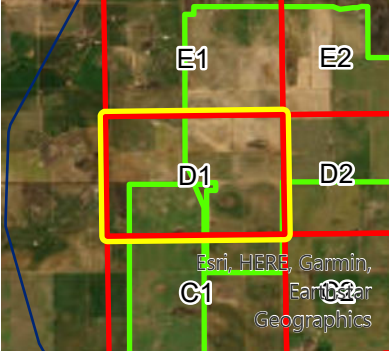
Access Road - Corridor

Access Road - Centreline

Project Area

Protected Areas

Existing Road Network



DRAFT

Rev A



0 2,500 5,000 10,000 m

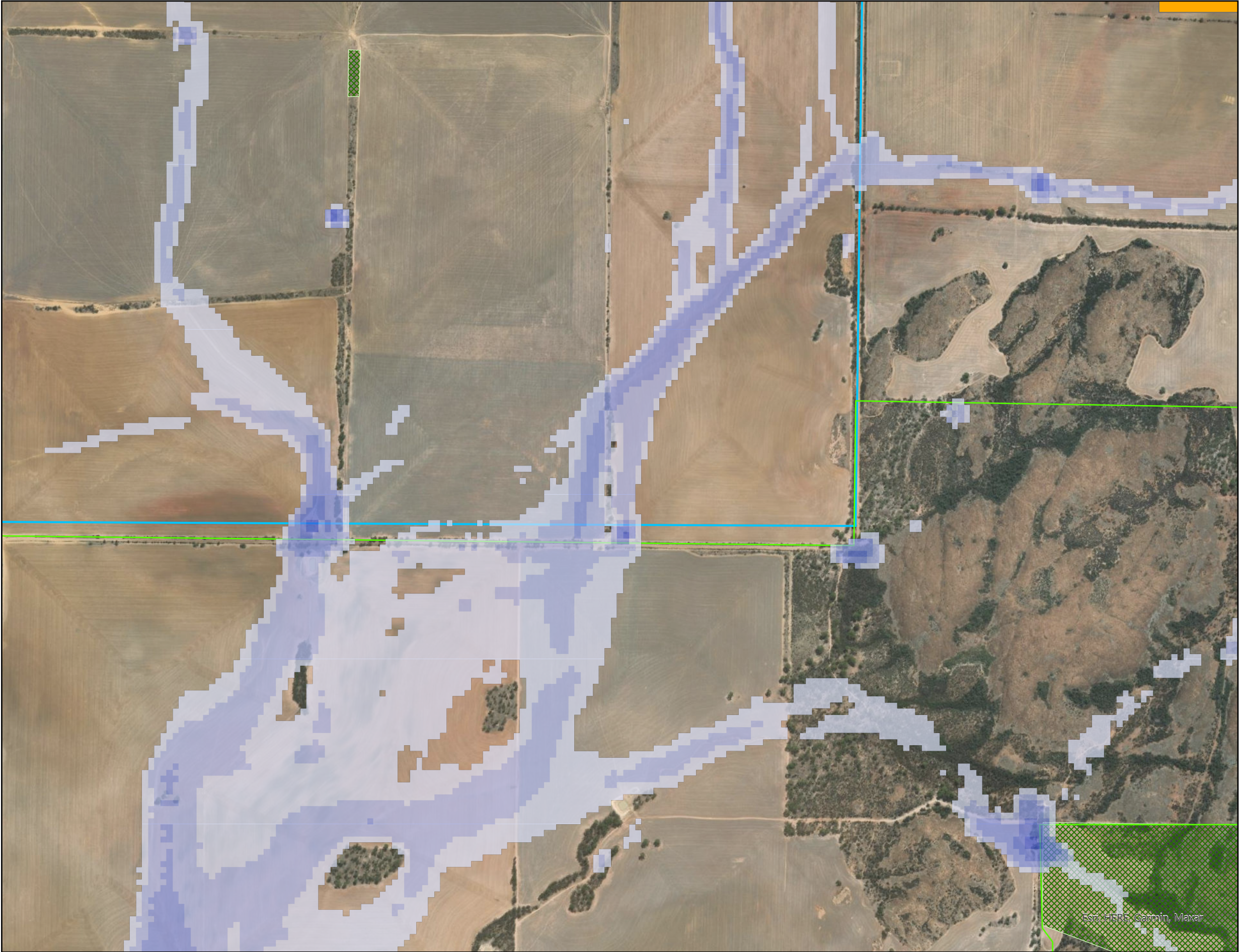
A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
2% AEP - Flood Depth



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

0.50 - 1.0

1.00 - 2.0

Collgar Wind Farm layout

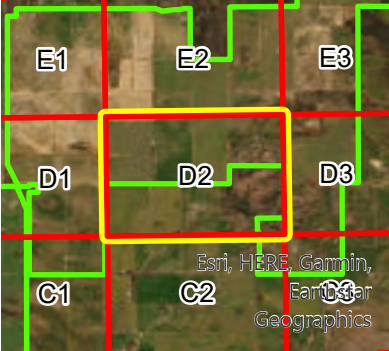
Hardstands

Substation Location

Project Area

Protected Areas

Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
2% AEP - Flood Depth



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

0.50 - 1.0

1.00 - 2.0

Collgar Wind Farm layout

Wind Turbine Locations

Hardstands

Substation Location

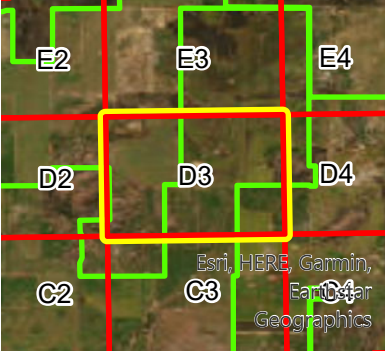
Access Road - Corridor

Access Road - Centreline

Project Area

Protected Areas

Existing Road Network



DRAFT

Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
2% AEP - Flood Depth



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

0.50 - 1.0

1.00 - 2.0

Collgar Wind Farm layout

Wind Turbine Locations

Hardstands

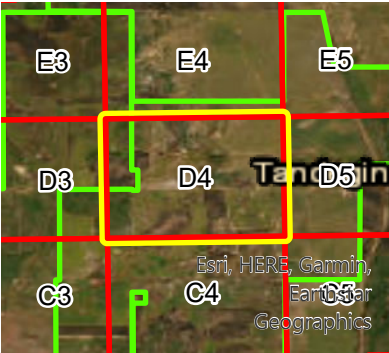
Access Road - Corridor

Access Road - Centreline

Project Area

Protected Areas

Existing Road Network



DRAFT

Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
2% AEP - Flood Depth



 Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

0.50 - 1.0

1.00 - 2.0

■ > 2.0

Collgar Wind Farm layout

 Wind Turbine Locations

■ Hardstands

 Dwellings

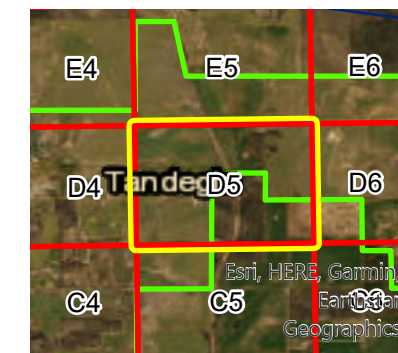
— — — Access Road - Corridor

— Access Road - Centreline

 Project Area

 Protected Areas

— Existing Road Network



Esri, HERE, Garmin, Maxar

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Rev A



A horizontal number line with tick marks at 0, 2,500, 5,000, and 10,000 m.

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing

2% AEP - Flood Depth



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

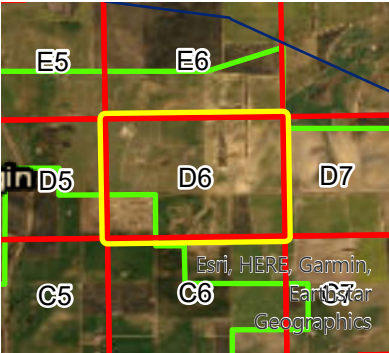
0.50 - 1.0

Collgar Wind Farm layout

Project Area

Protected Areas

Existing Road Network



Esri, HERE, Garmin, Maxar

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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
2% AEP - Flood Depth



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

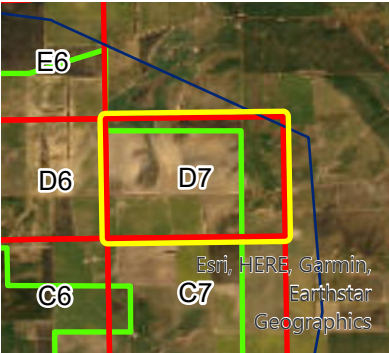
0.20 - 0.5

0.50 - 1.0

Collgar Wind Farm layout

Project Area

Existing Road Network



Esri, HERE, Garmin, Maxar

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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
2% AEP - Flood Depth



Legend

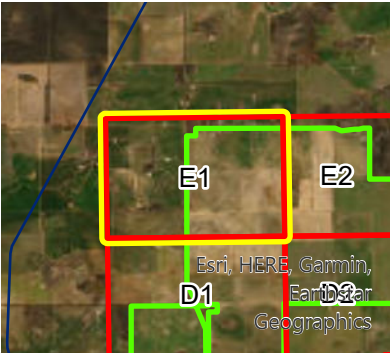
Hydraulic Model Boundary

Flood Depth (m)

- < 0.05
- 0.05 - 0.10
- 0.10 - 0.20
- 0.20 - 0.5
- 0.50 - 1.0
- 1.00 - 2.0
- > 2.0

Collgar Wind Farm layout

- Wind Turbine Locations
- Hardstands
- Dwellings
- Access Road - Corridor
- Access Road - Centreline
- Project Area
- Existing Road Network



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Rev A



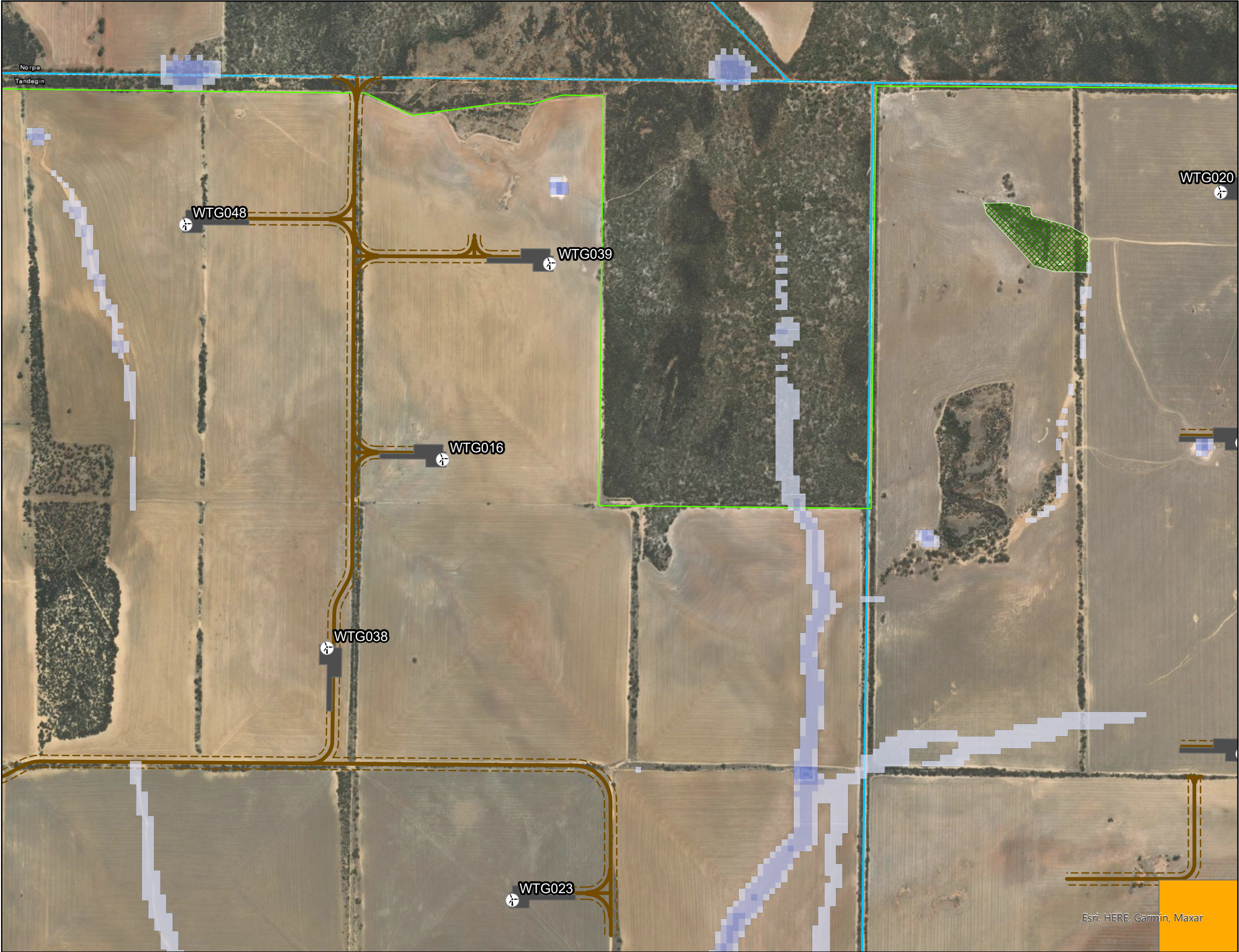
0 2,500 5,000 10,000 m

A3 Scale: 1:12,500 EPSG:7850

27/8/2025

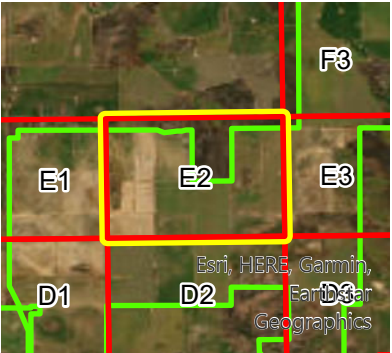
528866

**Collgar Wind Farm - Existing
2% AEP - Flood Depth**



Legend

- Hydraulic Model Boundary
- Flood Depth (m)
 - < 0.05
 - 0.05 - 0.10
 - 0.10 - 0.20
 - 0.20 - 0.5
 - 0.50 - 1.0
- Collgar Wind Farm layout
 - Wind Turbine Locations
 - Hardstands
 - Substation Location
 - Access Road - Corridor
 - Access Road - Centreline
 - Project Area
 - Protected Areas
 - Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

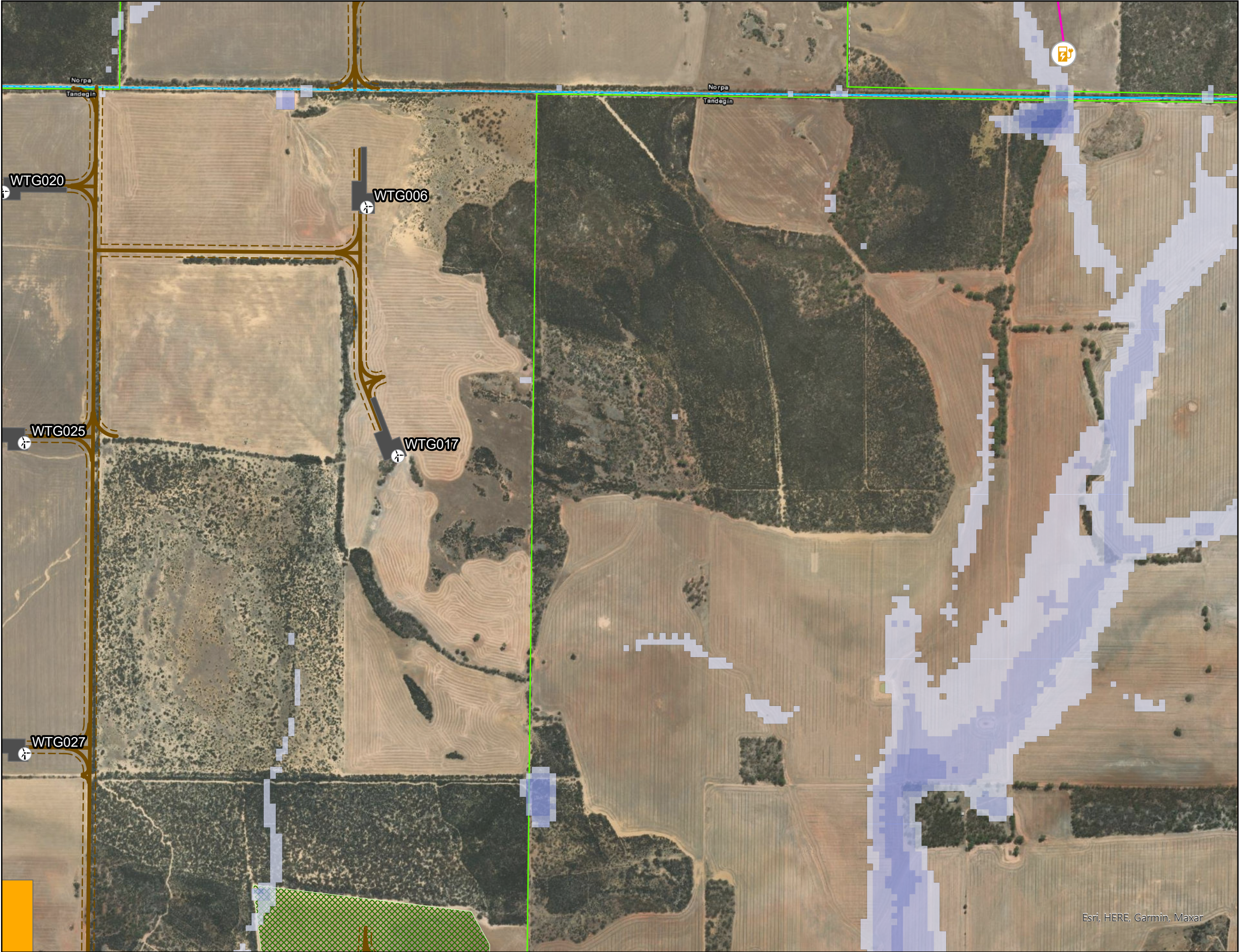
A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
2% AEP - Flood Depth



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

0.50 - 1.0

Collgar Wind Farm layout

Wind Turbine Locations

Hardstands

Substation Location

Substation

OHTL 220kV

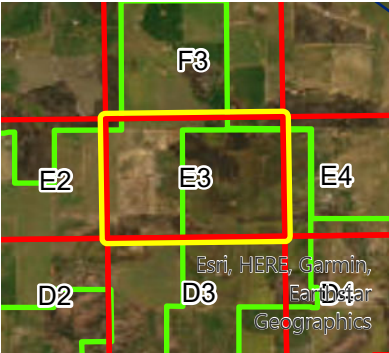
Access Road - Corridor

Access Road - Centreline

Project Area

Protected Areas

Existing Road Network



Esri, HERE, Garmin, Maxar

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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
2% AEP - Flood Depth



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

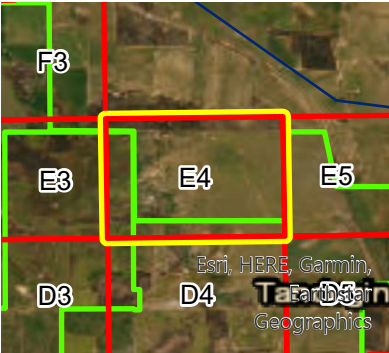
0.20 - 0.5

Collgar Wind Farm layout

Project Area

Protected Areas

Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
2% AEP - Flood Depth



Legend

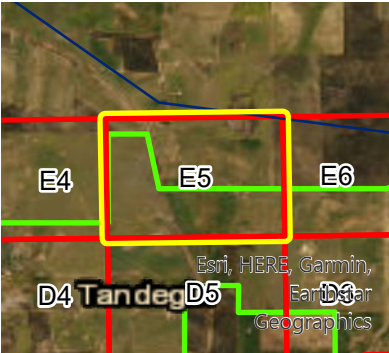
Hydraulic Model Boundary

Flood Depth (m)

- < 0.05
- 0.05 - 0.10
- 0.10 - 0.20
- 0.20 - 0.5
- 0.50 - 1.0
- 1.00 - 2.0
- > 2.0

Collgar Wind Farm layout

- Project Area
- Protected Areas
- Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

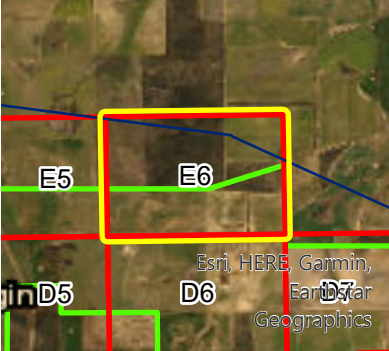
528866

Collgar Wind Farm - Existing
2% AEP - Flood Depth



Legend

- Hydraulic Model Boundary
- Flood Depth (m)
 - < 0.05
 - 0.05 - 0.10
 - 0.10 - 0.20
 - 0.20 - 0.5
 - 0.50 - 1.0
 - 1.00 - 2.0
- Collgar Wind Farm layout
 - Project Area
 - Protected Areas
 - Existing Road Network



DRAFT

Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
2% AEP - Flood Depth



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

0.50 - 1.0

1.00 - 2.0

> 2.0

Collgar Wind Farm layout

Wind Turbine Locations

Hardstands

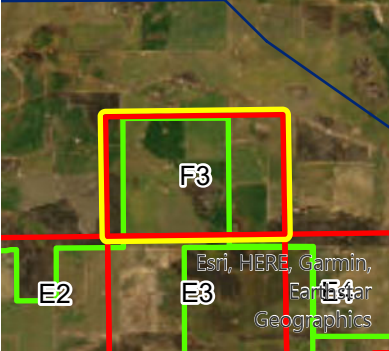
OHTL 220kV

Dwellings

Access Road - Corridor

Access Road - Centreline

Project Area



DRAFT

Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

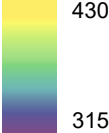
Collgar Wind Farm - Existing
2% AEP - Flood Depth



Legend

Hydraulic Model Boundary

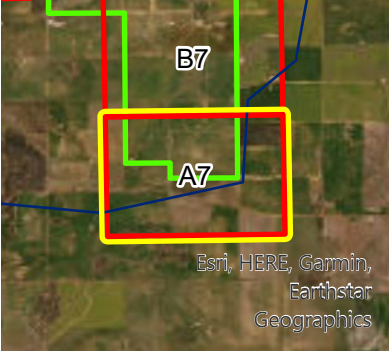
Water Level (m AHD)



Collgar Wind Farm layout

Project Area

Existing Road Network



Esri, HERE, Garmin, Maxar

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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

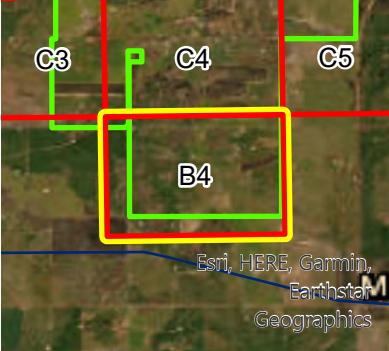
528866

Collgar Wind Farm - Existing
2% AEP - Flood Level



Legend

- Hydraulic Model Boundary
- Water Level (m AHD)
 - 430
 - 315
- Collgar Wind Farm layout
 - Wind Turbine Locations
 - Hardstands
 - Access Road - Corridor
 - Access Road - Centreline
 - Project Area
 - Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

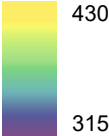
Collgar Wind Farm - Existing
2% AEP - Flood Level



Legend

Hydraulic Model Boundary

Water Level (m AHD)

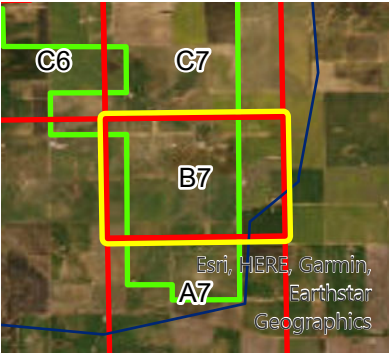


Collgar Wind Farm layout

Dwellings

Project Area

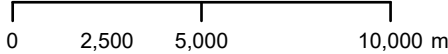
Existing Road Network



Esri, HERE, Garmin, Maxar

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Rev A



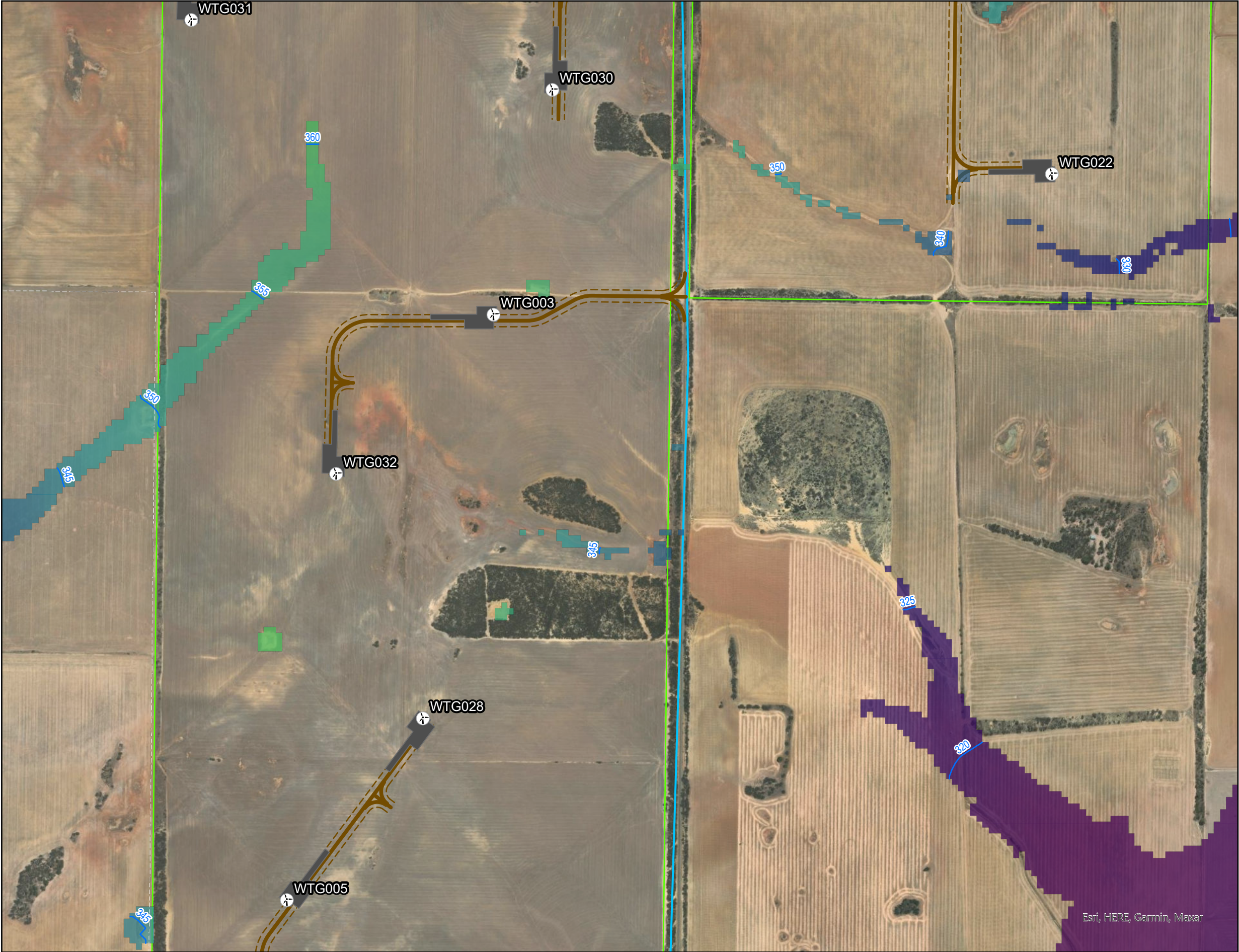
A3 Scale: 1:12,500

EPSG:7850

27/8/2025

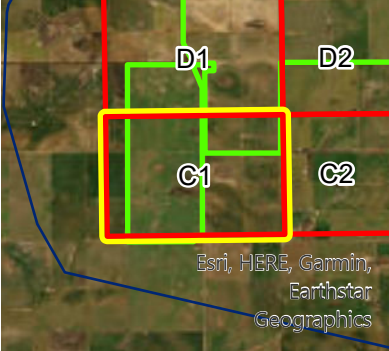
528866

Collgar Wind Farm - Existing
2% AEP - Flood Level



Legend

- Hydraulic Model Boundary
- Water Level (m AHD)
 - 430
 - 315
- Collgar Wind Farm layout
 - Wind Turbine Locations
 - Hardstands
 - Access Road - Corridor
 - Access Road - Centreline
 - Project Area
 - Existing Road Network



DRAFT

Rev A



0 2,500 5,000 10,000 m
A3 Scale: 1:12,500 EPSG:7850

27/8/2025
528866

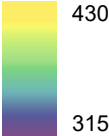
Collgar Wind Farm - Existing
2% AEP - Flood Level



Legend

Hydraulic Model Boundary

Water Level (m AHD)

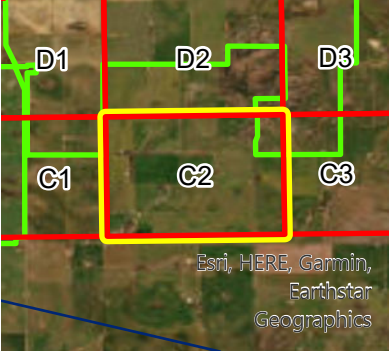


Collgar Wind Farm layout

Project Area

Existing Road Network

Protected Areas



DRAFT

Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

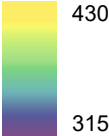
**Collgar Wind Farm - Existing
2% AEP - Flood Level**



Legend

Hydraulic Model Boundary

Water Level (m AHD)

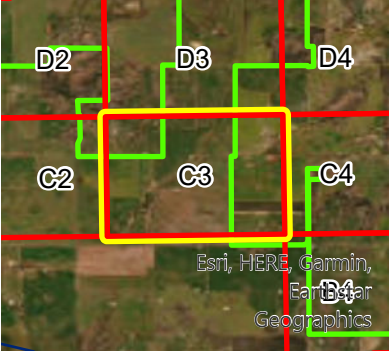


Collgar Wind Farm layout

Dwellings

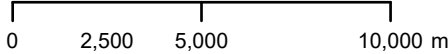
Project Area

Protected Areas



DRAFT

Rev A



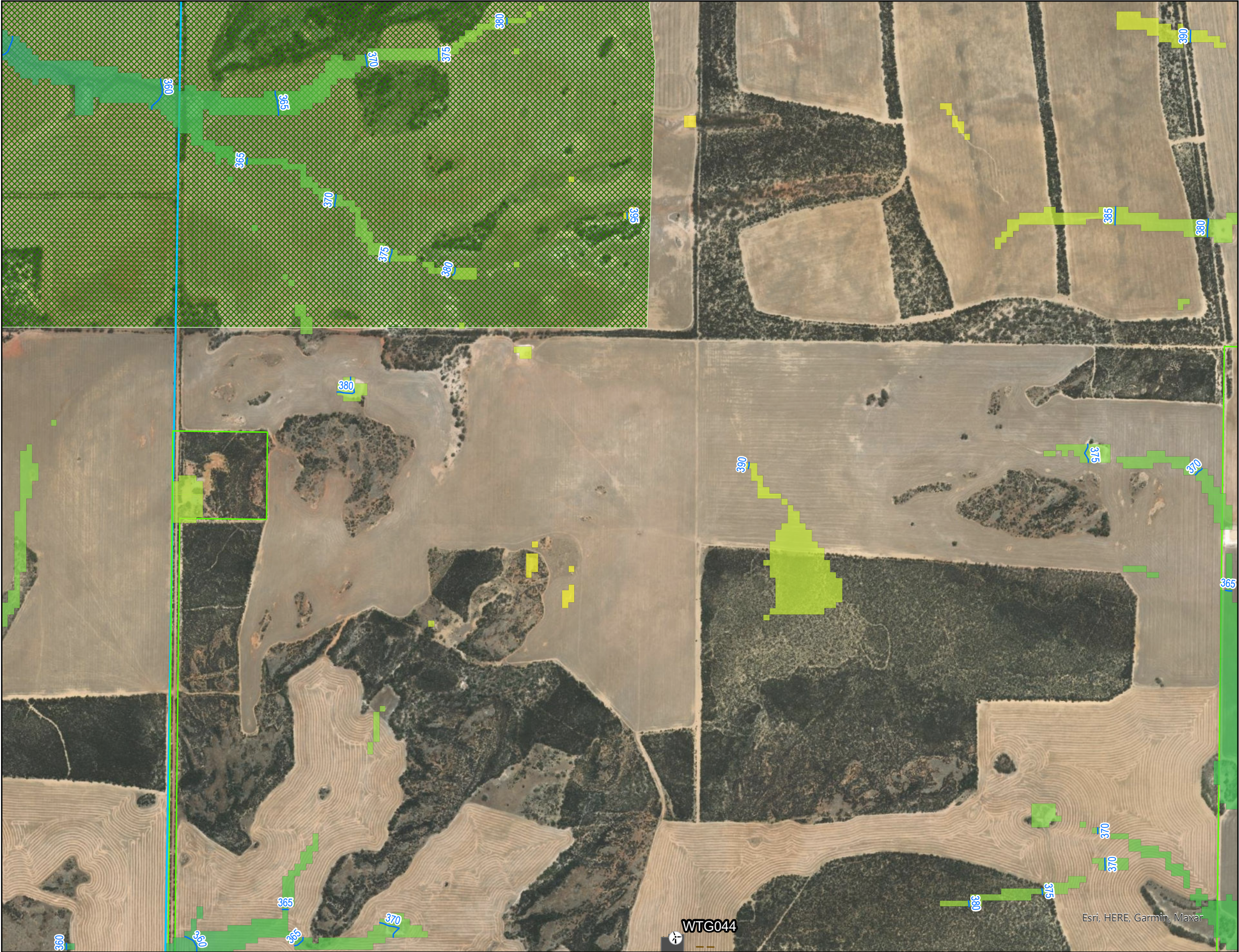
A3 Scale: 1:12,500

EPSG:7850

27/8/2025

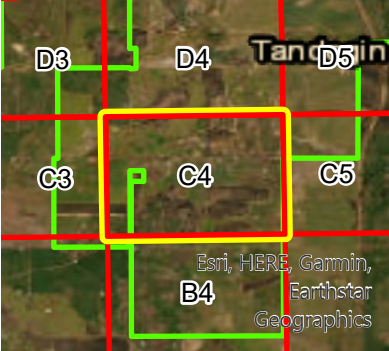
528866

Collgar Wind Farm - Existing
2% AEP - Flood Level



Legend

- Hydraulic Model Boundary
- Water Level (m AHD)
 - 430
 - 315
- Collgar Wind Farm layout
 - Wind Turbine Locations
 - Hardstands
 - Access Road - Corridor
 - Access Road - Centreline
 - Project Area
 - Existing Road Network
 - Protected Areas



DRAFT

Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

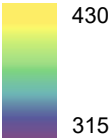
Collgar Wind Farm - Existing
2% AEP - Flood Level



Legend

Hydraulic Model Boundary

Water Level (m AHD)

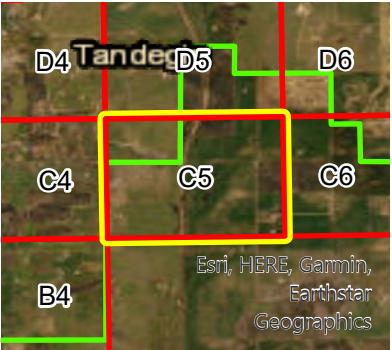


Collgar Wind Farm layout

Dwellings

Project Area

Existing Road Network



Esri, HERE, Garmin, Maxar

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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

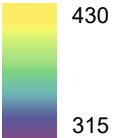
Collgar Wind Farm - Existing
2% AEP - Flood Level



Legend

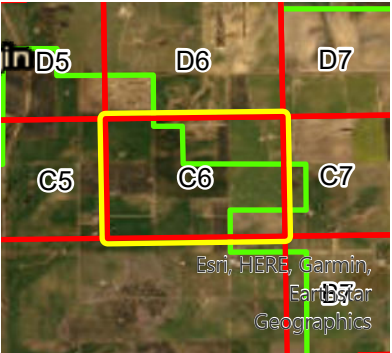
Hydraulic Model Boundary

Water Level (m AHD)



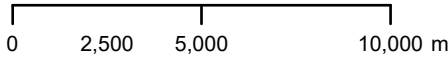
Collgar Wind Farm layout

Project Area



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Rev A



A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

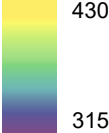
Collgar Wind Farm - Existing
2% AEP - Flood Level



Legend

Hydraulic Model Boundary

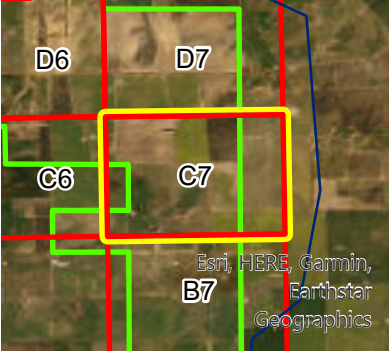
Water Level (m AHD)



Collgar Wind Farm layout

Project Area

Existing Road Network



Esri, HERE, Garmin, Maxar

DRAFT

Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

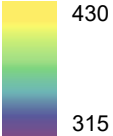
Collgar Wind Farm - Existing
2% AEP - Flood Level



Legend

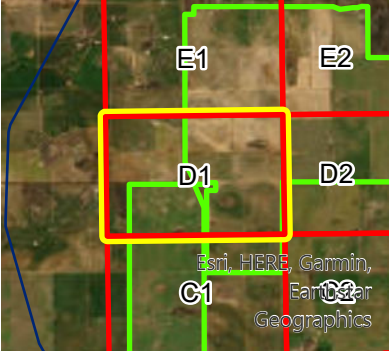
Hydraulic Model Boundary

Water Level (m AHD)



Collgar Wind Farm layout

- Wind Turbine Locations
- Hardstands
- Access Road - Corridor
- Access Road - Centreline
- Project Area
- Existing Road Network
- Protected Areas



DRAFT

Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

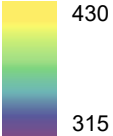
Collgar Wind Farm - Existing
2% AEP - Flood Level



Legend

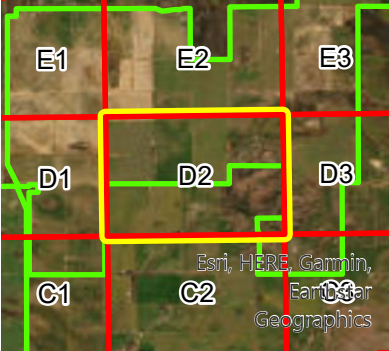
Hydraulic Model Boundary

Water Level (m AHD)



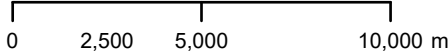
Collgar Wind Farm layout

- Hardstands
- Substation Location
- Project Area
- Existing Road Network
- Protected Areas



DRAFT

Rev A



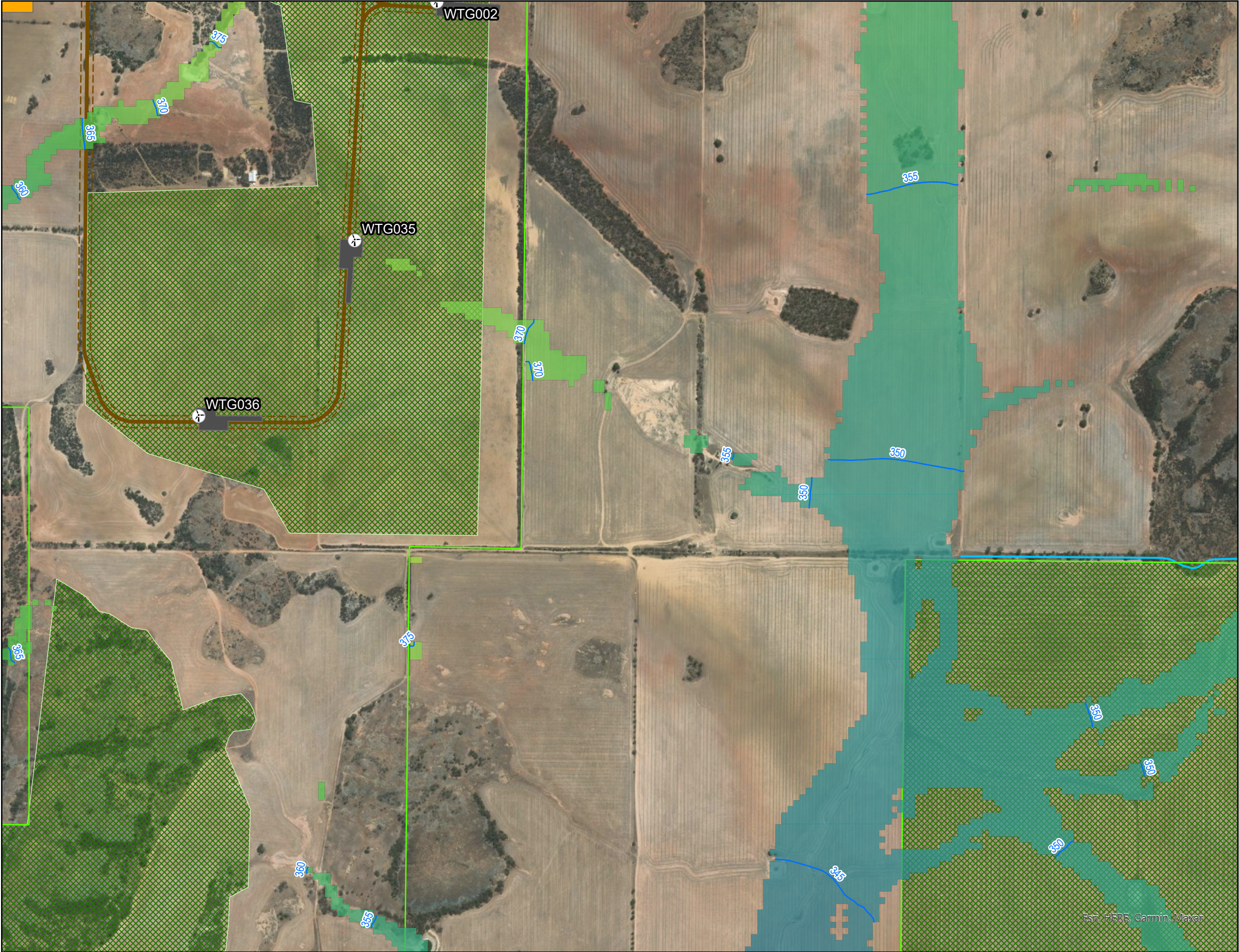
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EPSG:7850

27/8/2025

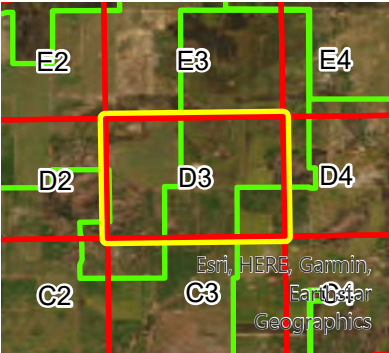
528866

Collgar Wind Farm - Existing
2% AEP - Flood Level



Legend

- Hydraulic Model Boundary
- Water Level (m AHD)
 - 430
 - 315
- Collgar Wind Farm layout
 - Wind Turbine Locations
 - Hardstands
 - Substation Location
 - Access Road - Corridor
 - Access Road - Centreline
 - Project Area
 - Existing Road Network
 - Protected Areas



DRAFT

Rev A



0 2,500 5,000 10,000 m

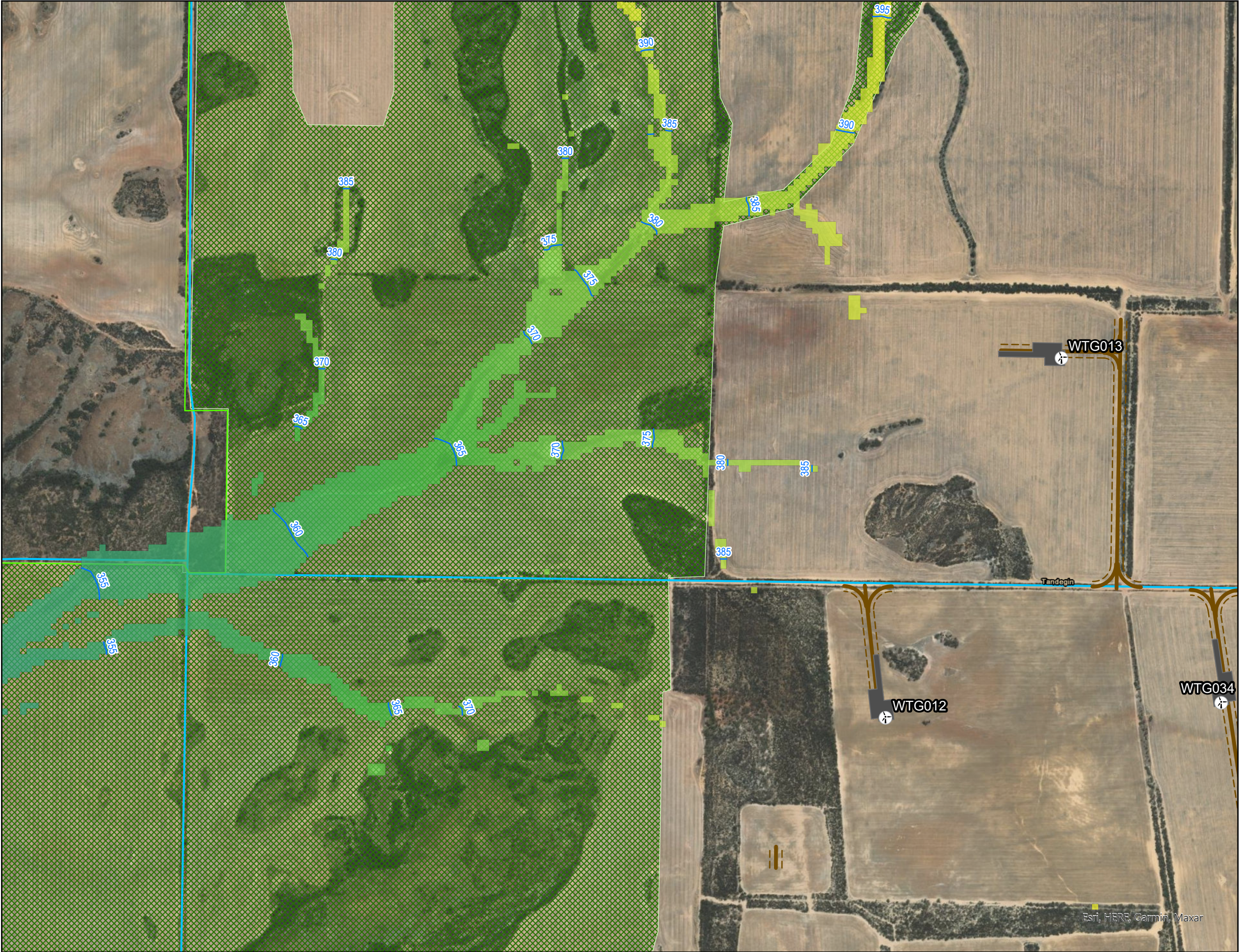
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EPSG:7850

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528866

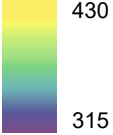
Collgar Wind Farm - Existing
2% AEP - Flood Level



Legend

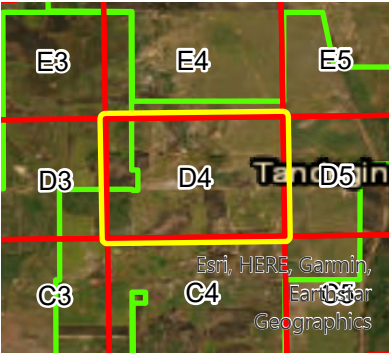
Hydraulic Model Boundary

Water Level (m AHD)



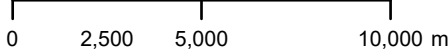
Collgar Wind Farm layout

- Wind Turbine Locations
- Hardstands
- Access Road - Corridor
- Access Road - Centreline
- Project Area
- Existing Road Network
- Protected Areas



DRAFT

Rev A



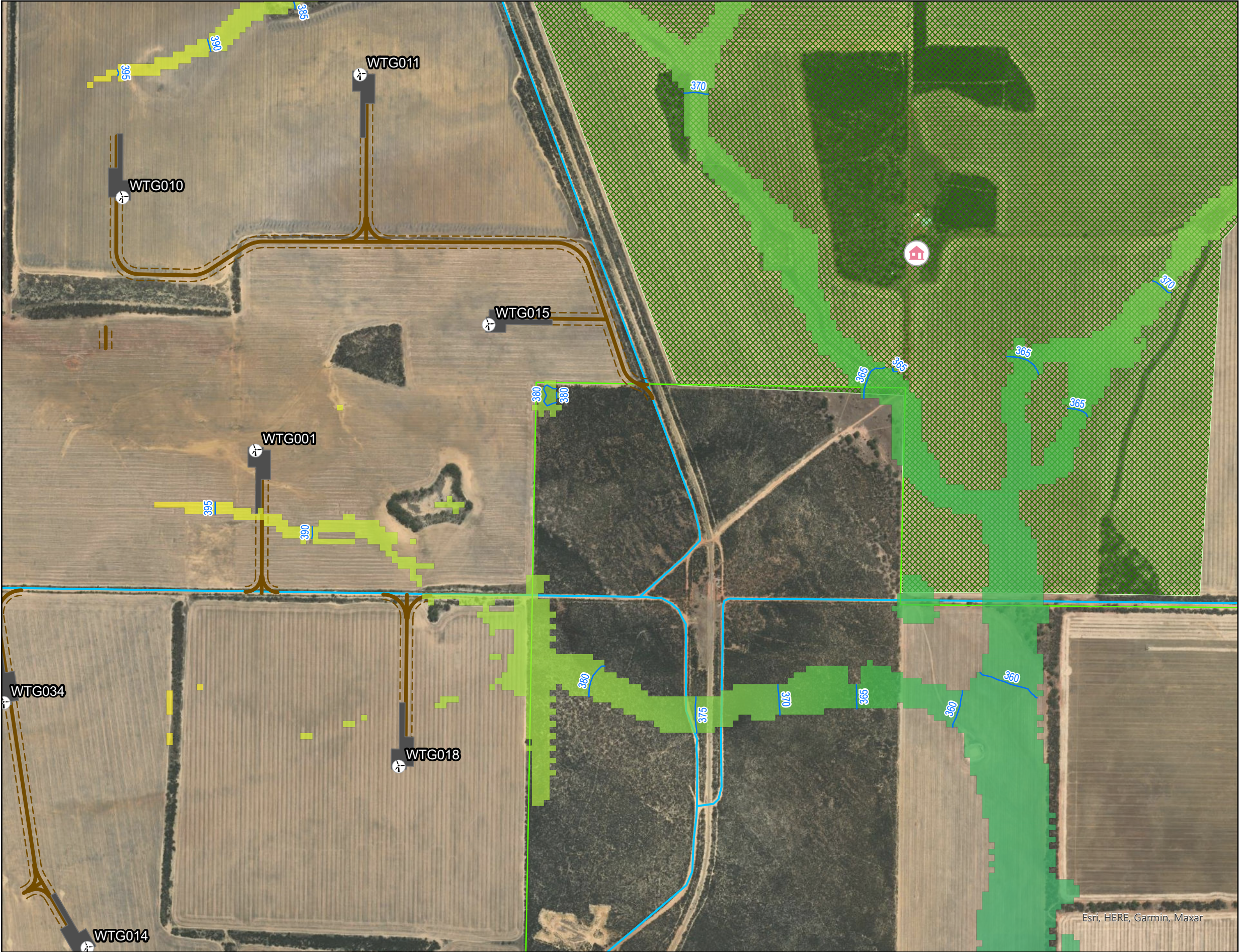
A3 Scale: 1:12,500

EPSG:7850

27/8/2025

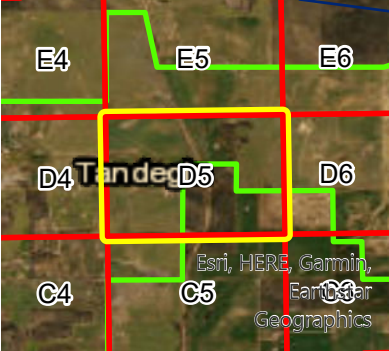
528866

Collgar Wind Farm - Existing
2% AEP - Flood Level



Legend

- Hydraulic Model Boundary
- Water Level (m AHD)
 - 430
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- Collgar Wind Farm layout
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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

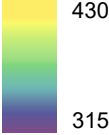
Collgar Wind Farm - Existing
2% AEP - Flood Level



Legend

Hydraulic Model Boundary

Water Level (m AHD)

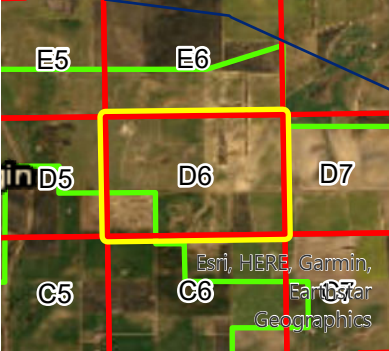


Collgar Wind Farm layout

Project Area

Existing Road Network

Protected Areas



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

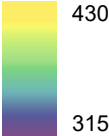
**Collgar Wind Farm - Existing
2% AEP - Flood Level**



Legend

Hydraulic Model Boundary

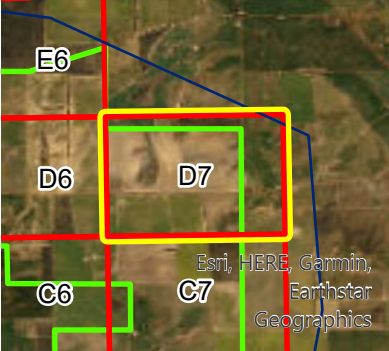
Water Level (m AHD)



Collgar Wind Farm layout

Project Area

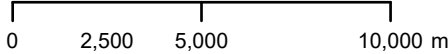
Existing Road Network



Esri, HERE, Garmin, Maxar

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Rev A



A3 Scale: 1:12,500

EPSG:7850

27/8/2025

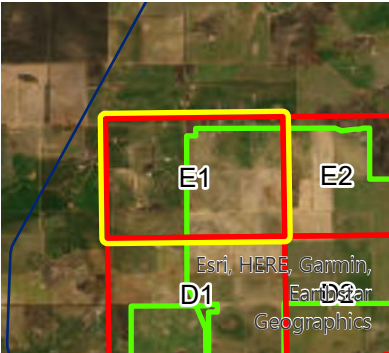
528866

Collgar Wind Farm - Existing
2% AEP - Flood Level



Legend

- Hydraulic Model Boundary
- Water Level (m AHD)
 - 430
 - 315
- Collgar Wind Farm layout
 - Wind Turbine Locations
 - Hardstands
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 - Access Road - Corridor
 - Access Road - Centreline
 - Project Area
 - Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

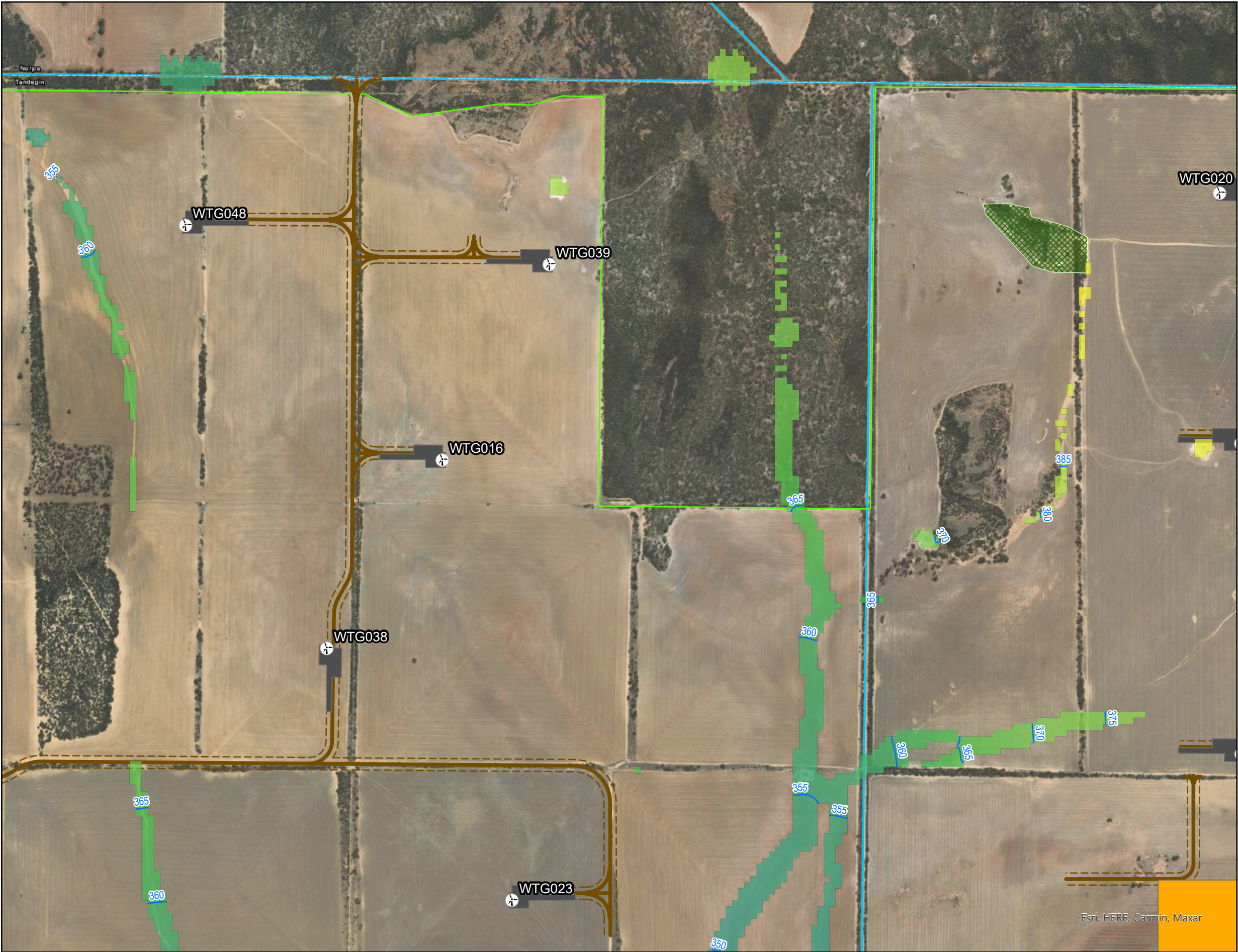
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EPSG:7850

27/8/2025

528866

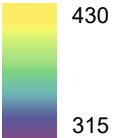
Collgar Wind Farm - Existing
2% AEP - Flood Level



Legend

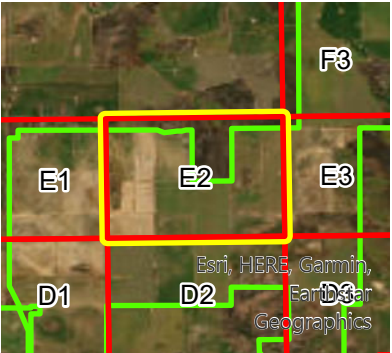
Hydraulic Model Boundary

Water Level (m AHD)



Collgar Wind Farm layout

- Wind Turbine Locations
- Hardstands
- Substation Location
- Access Road - Corridor
- Access Road - Centreline
- Project Area
- Existing Road Network
- Protected Areas



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Rev A



0 2,500 5,000 10,000 m

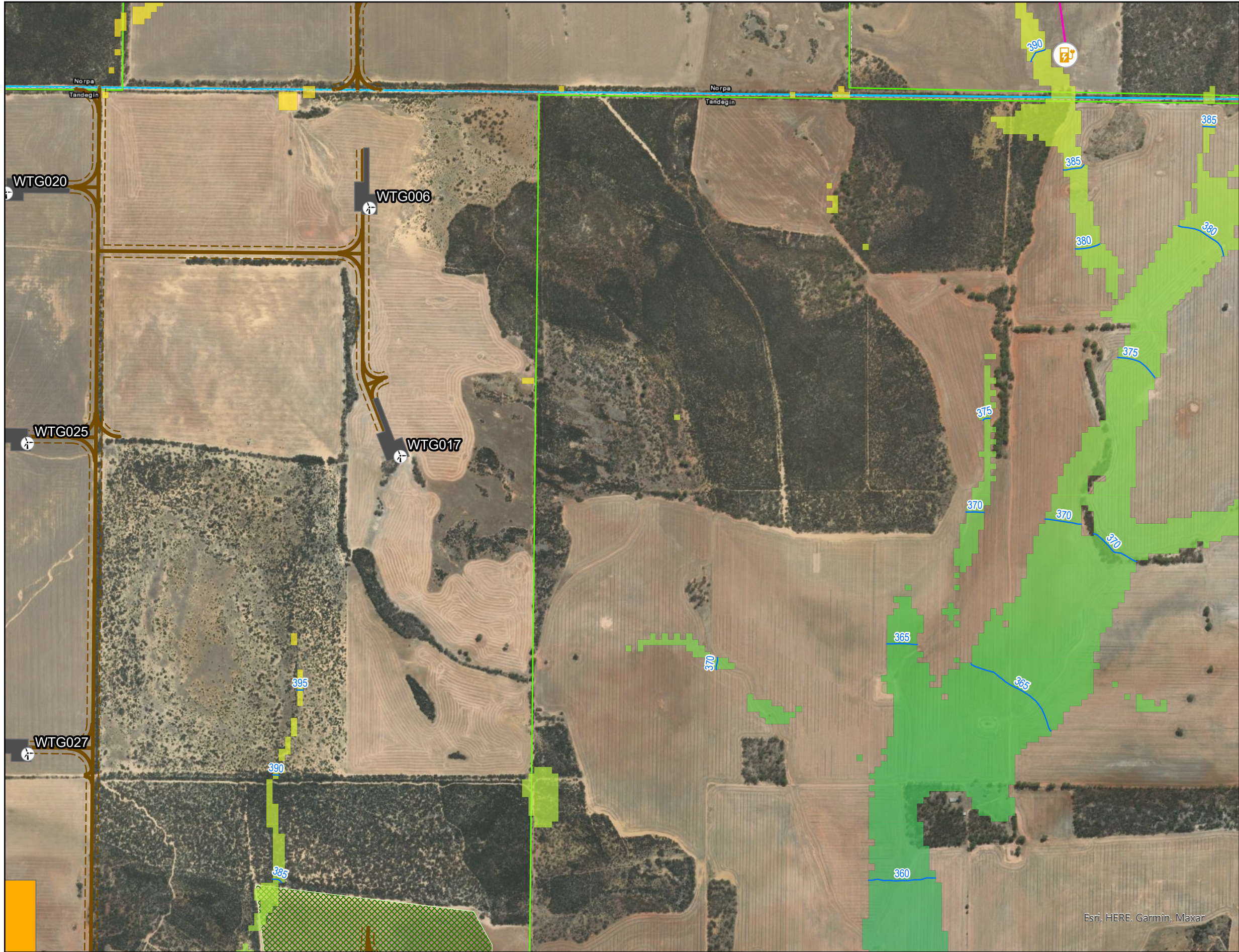
A3 Scale: 1:12,500

EPSG:7850

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Collgar Wind Farm - Existing
2% AEP - Flood Level



Legend

Hydraulic Model Boundary

Water Level (m AHD)

430

315

Collgar Wind Farm layout

Wind Turbine Locations

Hardstands

Substation Location

Substation

OHTL 220kV

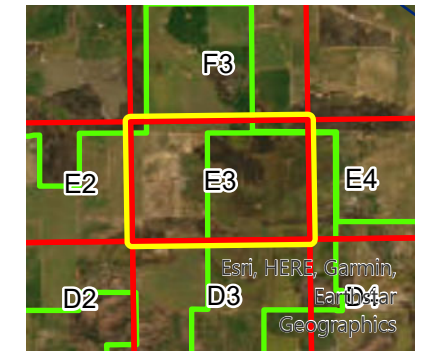
Access Road - Corridor

Access Road - Centreline

Project Area

Existing Road Network

Protected Areas



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

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Collgar Wind Farm - Existing

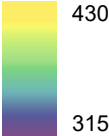
2% AEP - Flood Level



Legend

Hydraulic Model Boundary

Water Level (m AHD)

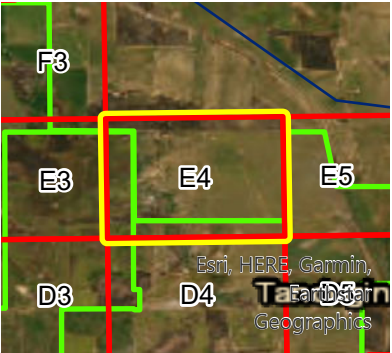


Collgar Wind Farm layout

Project Area

Existing Road Network

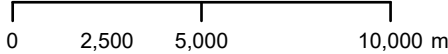
Protected Areas



Esri, HERE, Garmin, Maxar

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Rev A



A3 Scale: 1:12,500

EPSG:7850

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528866

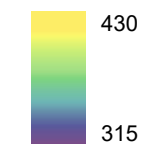
Collgar Wind Farm - Existing
2% AEP - Flood Level



Legend

 Hydraulic Model Boundary

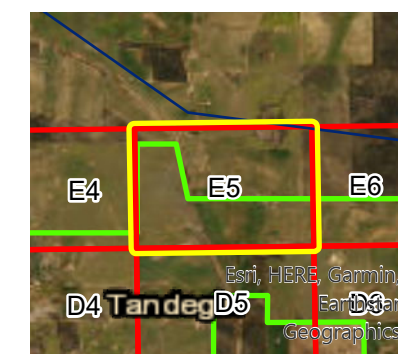
Water Level (m AHD)



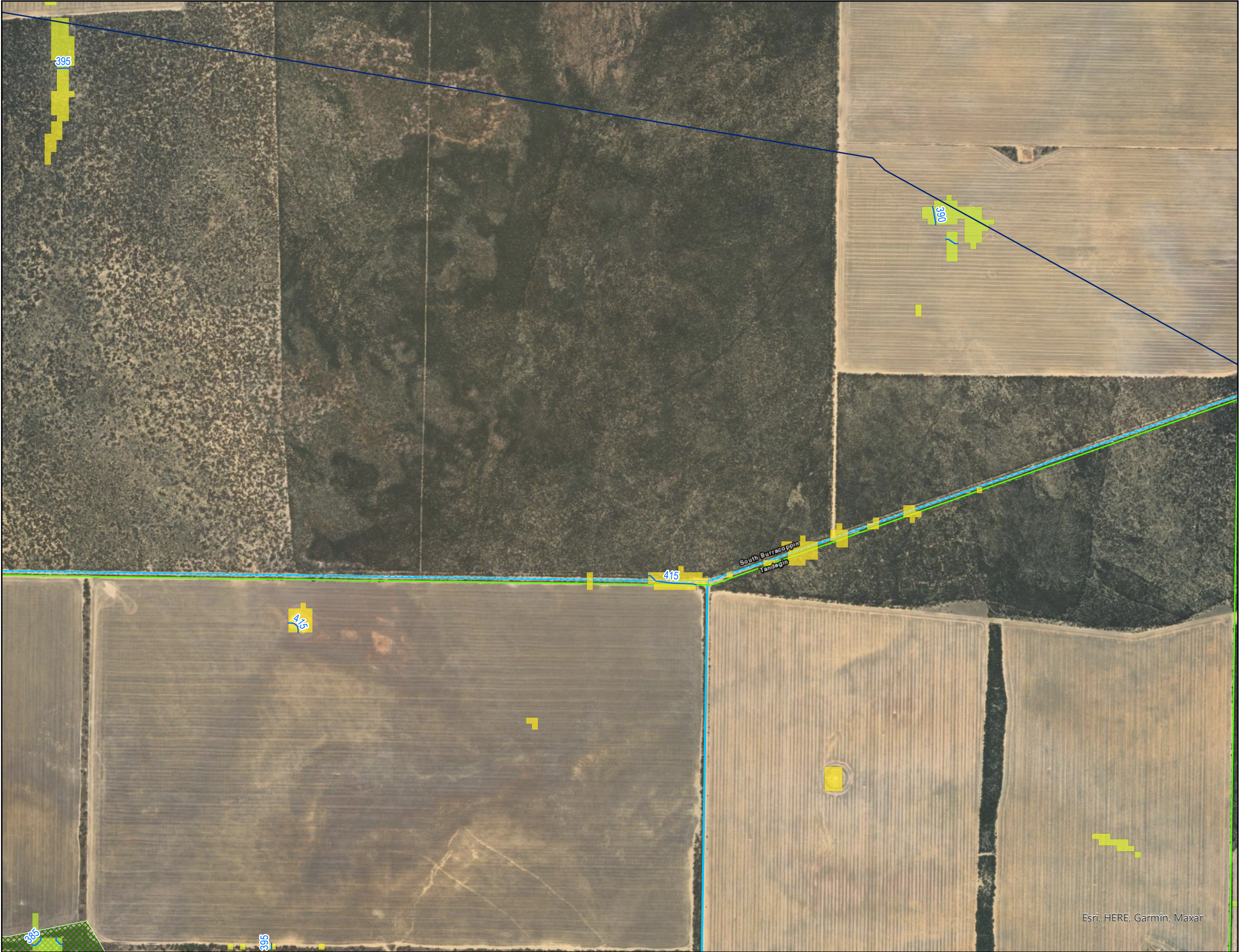
Collgar Wind Farm layout

 Project Area

— Existing Road Network

 Protected Areas

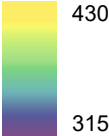
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Legend

Hydraulic Model Boundary

Water Level (m AHD)

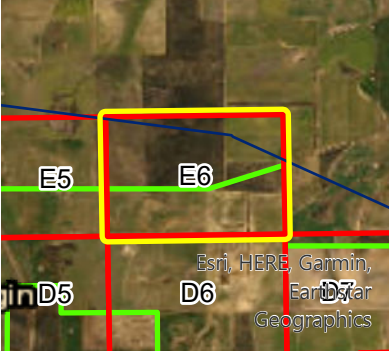


Collgar Wind Farm layout

Project Area

Existing Road Network

Protected Areas



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Rev A



0 2,500 5,000 10,000 m

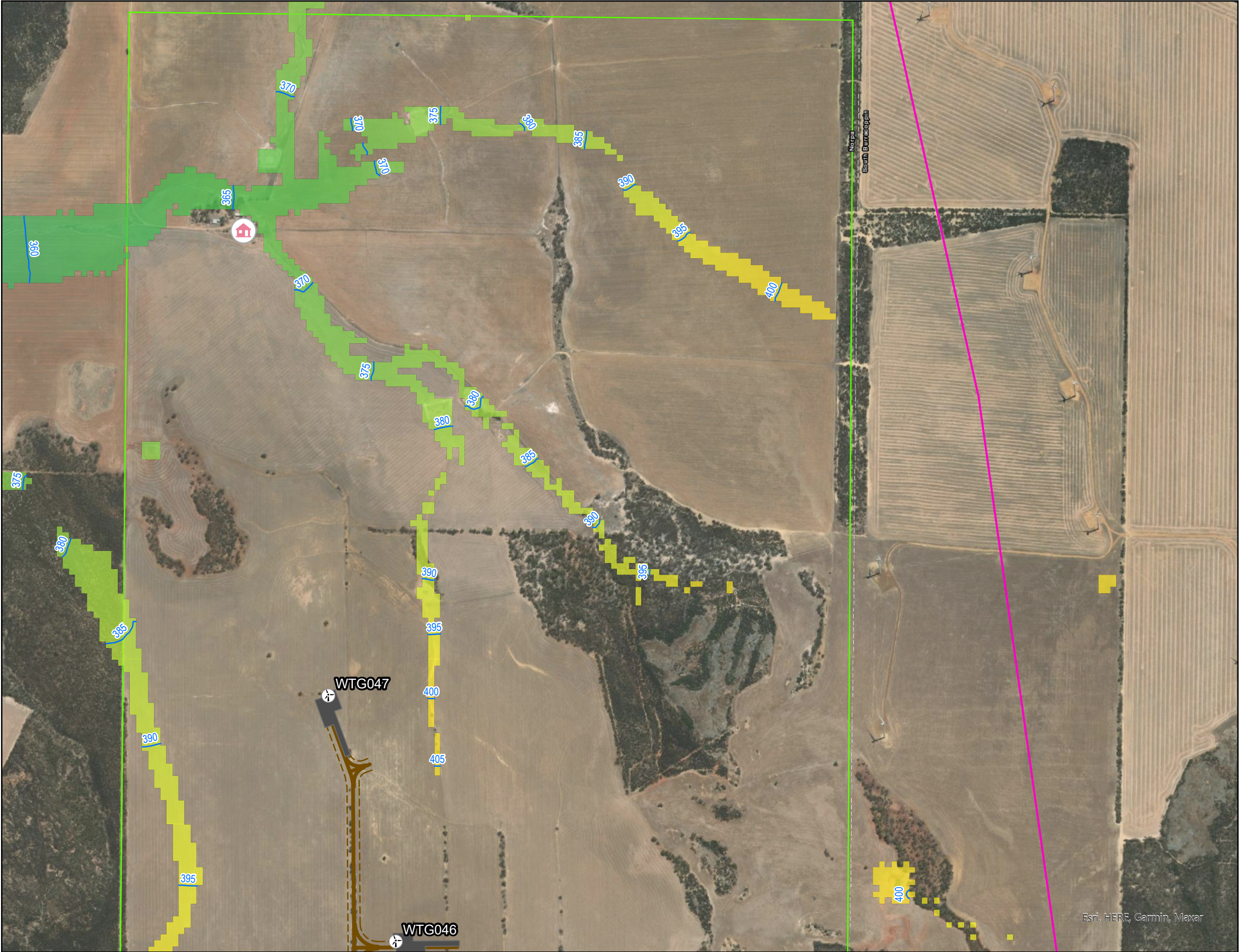
A3 Scale: 1:12,500

EPSG:7850

27/8/2025

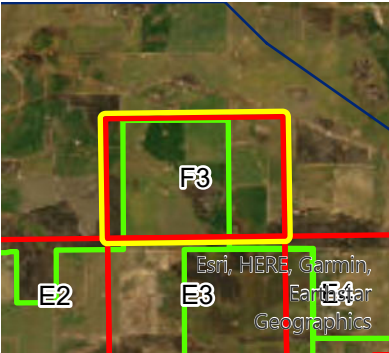
528866

Collgar Wind Farm - Existing
2% AEP - Flood Level



Legend

- Hydraulic Model Boundary
- Water Level (m AHD)
 - 430
 - 315
- Collgar Wind Farm layout
 - Wind Turbine Locations
 - Hardstands
 - OHTL 220kV
 - Dwellings
 - Access Road - Corridor
 - Access Road - Centreline
 - Project Area



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

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528866

Collgar Wind Farm - Existing
2% AEP - Flood Level



Legend

Hydraulic Model Boundary

Velocity (m/s)

< 0.3

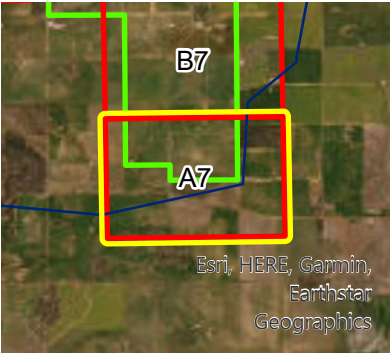
0.3 - 0.5

0.5 - 1.0

Collgar Wind Farm layout

Project Area

Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

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**Collgar Wind Farm - Existing
2% AEP - Velocity**



Legend

Hydraulic Model Boundary

Velocity (m/s)

< 0.3

0.3 - 0.5

0.5 - 1.0

Collgar Wind Farm layout

Wind Turbine Locations

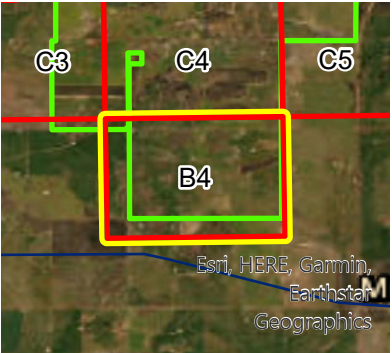
Hardstands

Access Road - Corridor

Access Road - Centreline

Project Area

Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

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**Collgar Wind Farm - Existing
2% AEP - Velocity**



Legend

Hydraulic Model Boundary

Velocity (m/s)

< 0.3

0.3 - 0.5

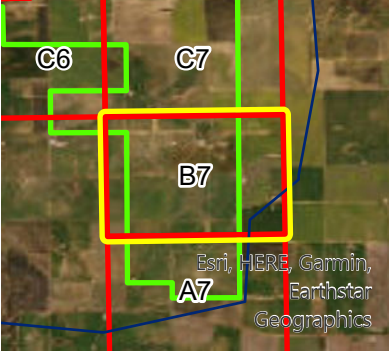
0.5 - 1.0

Collgar Wind Farm layout

Dwellings

Project Area

Existing Road Network



Esri, HERE, Garmin, Maxar

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Rev A



0 2,500 5,000 10,000 m

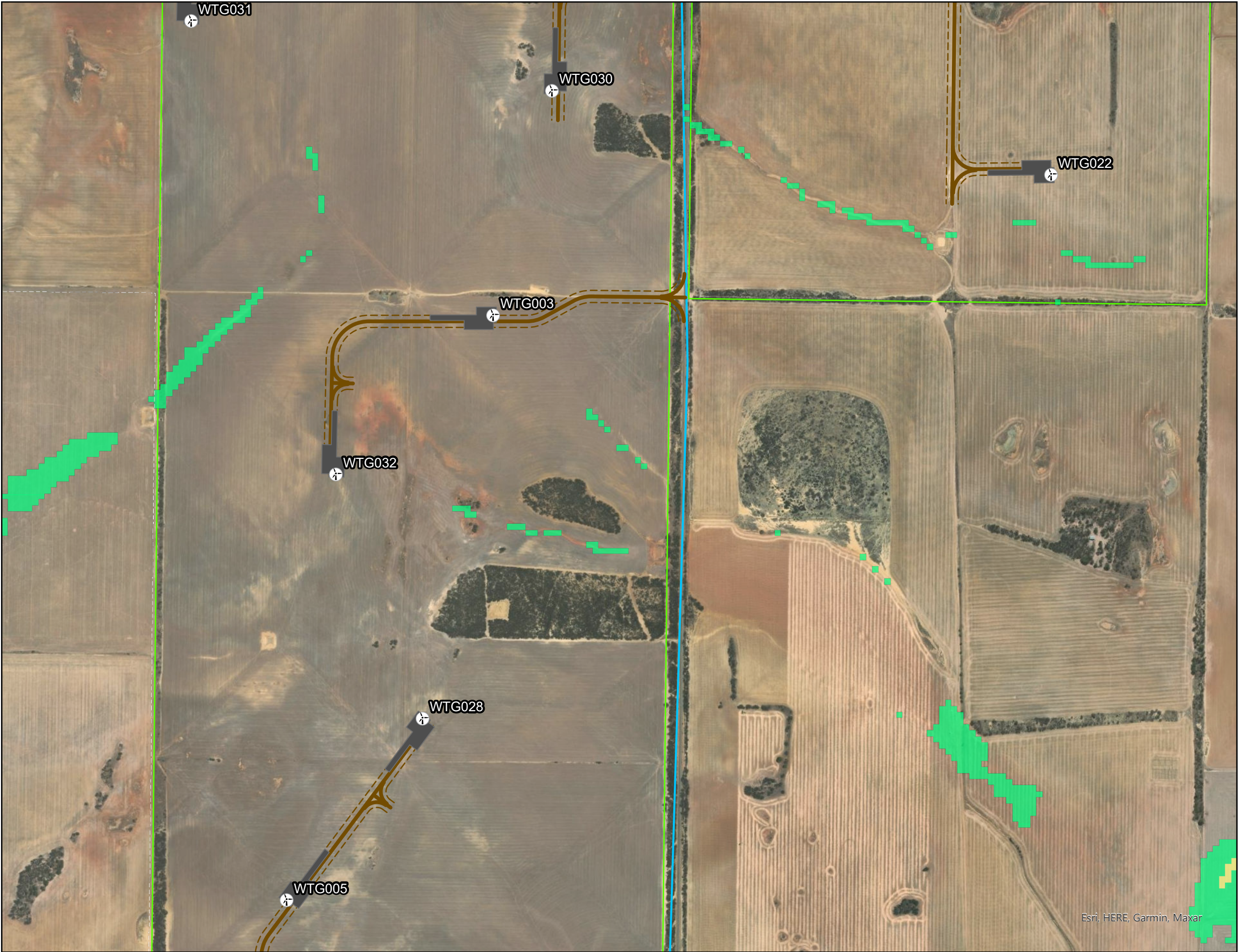
A3 Scale: 1:12,500

EPSG:7850

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Collgar Wind Farm - Existing
2% AEP - Velocity



Legend

Hydraulic Model Boundary

Velocity (m/s)

< 0.3

0.3 - 0.5

0.5 - 1.0

Collgar Wind Farm layout

Wind Turbine Locations

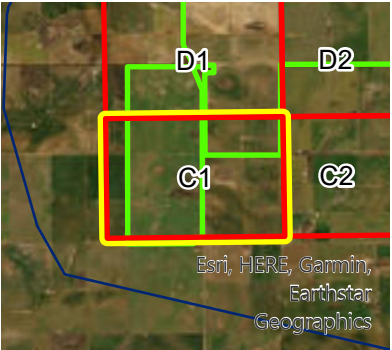
Hardstands

Access Road - Corridor

Access Road - Centreline

Project Area

Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

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Collgar Wind Farm - Existing
2% AEP - Velocity



Legend

 Hydraulic Model Boundary

Velocity (m/s)

< 0.3

 0.3 - 0.5

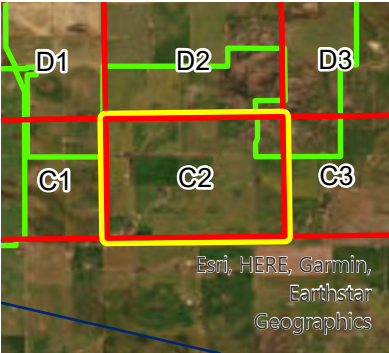
 0.5 - 1.0

Collgar Wind Farm layout

 Project Area

 Protected Areas

 Existing Road Network



Esri, HERE, Garmin, Maxar

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Rev A



0 2,500 5,000 10,000 m

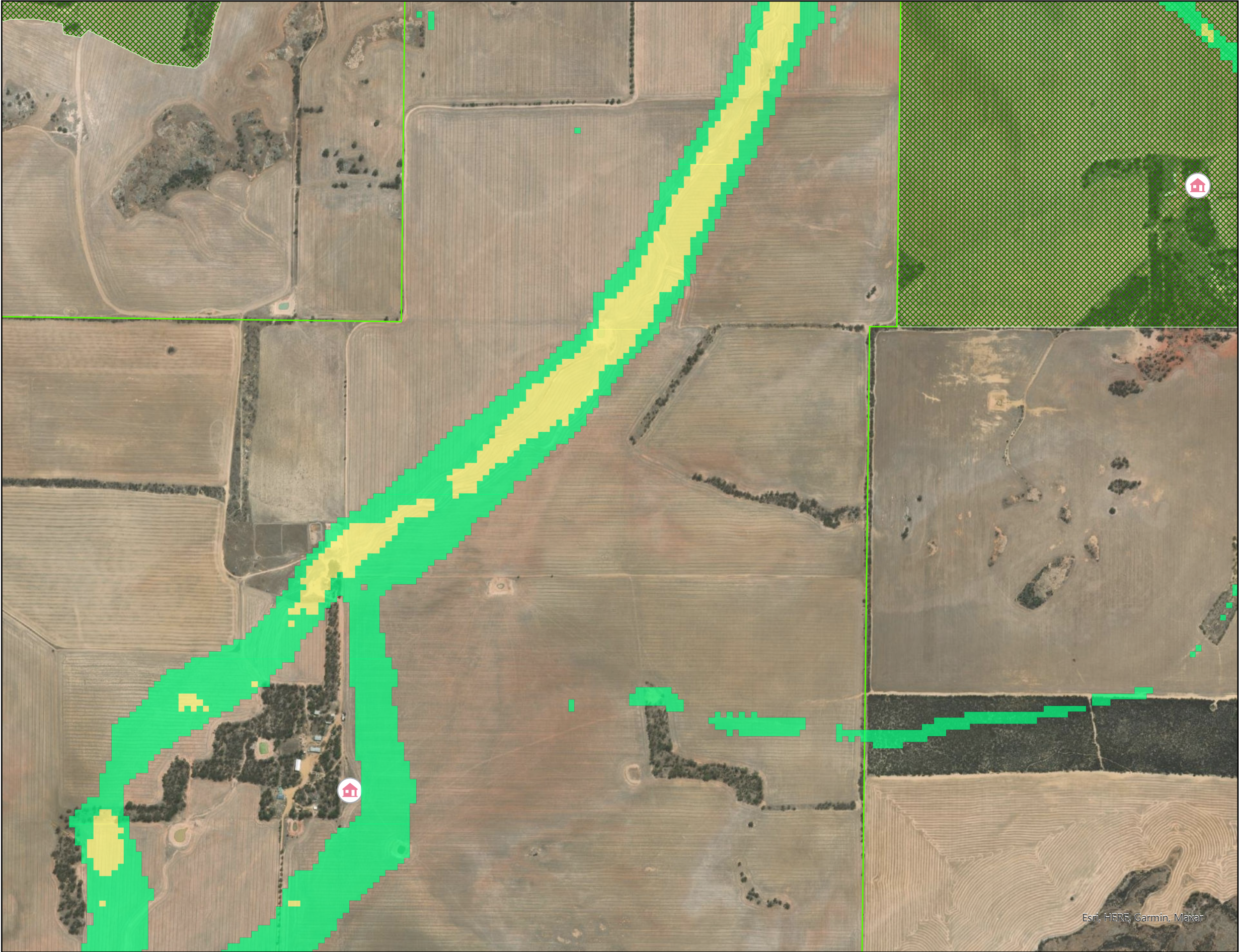
A3 Scale: 1:12,500

EPSG:7850

27/8/2025

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**Collgar Wind Farm - Existing
2% AEP - Velocity**



Legend

Hydraulic Model Boundary

Velocity (m/s)

< 0.3

0.3 - 0.5

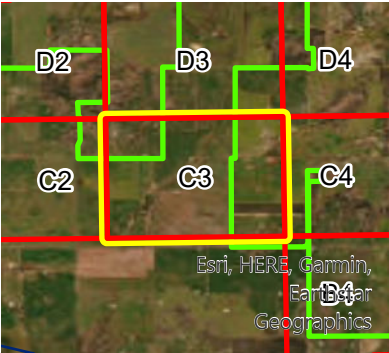
0.5 - 1.0

Collgar Wind Farm layout

Dwellings

Project Area

Protected Areas



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Rev A



0 2,500 5,000 10,000 m

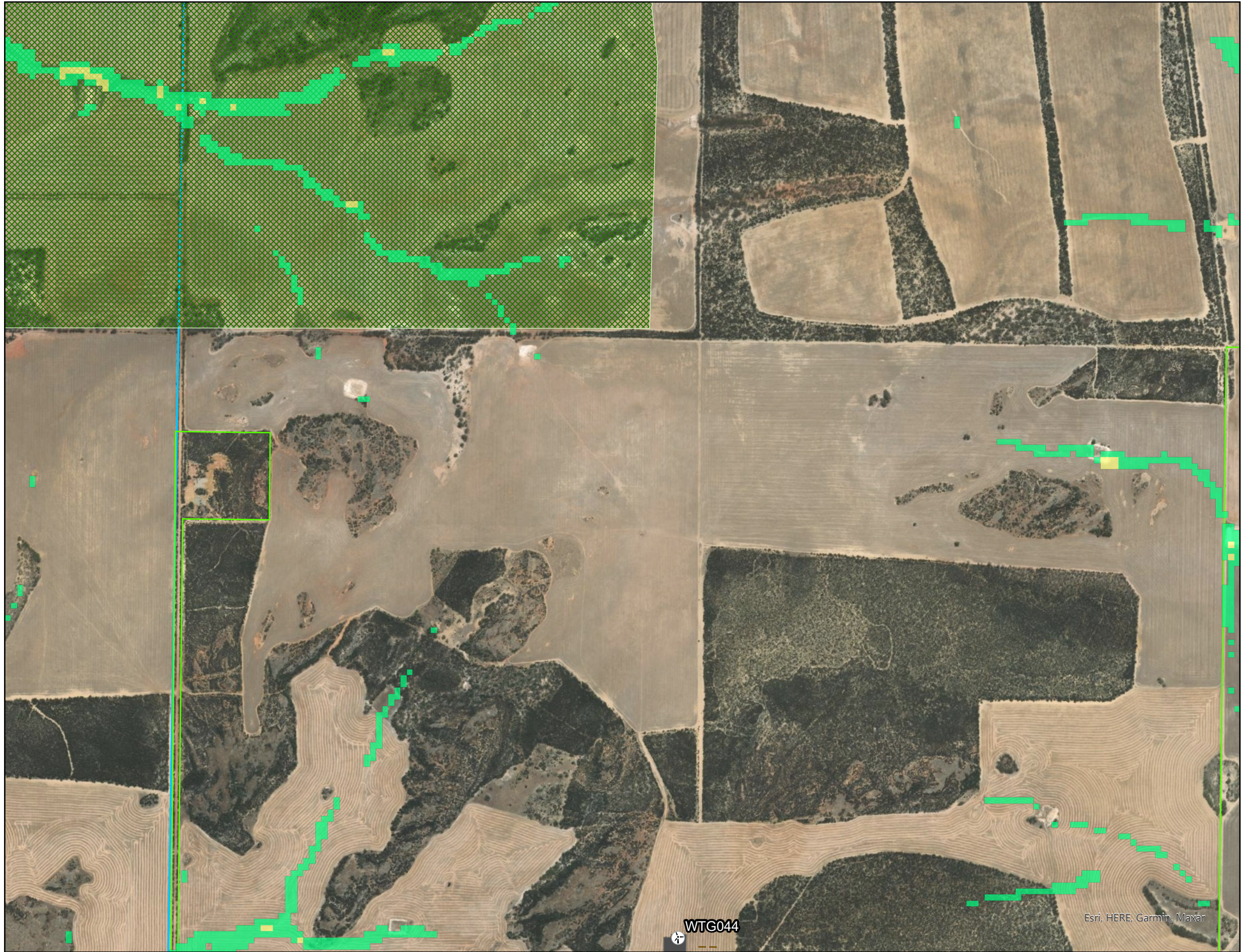
A3 Scale: 1:12,500

EPSG:7850

27/8/2025

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Collgar Wind Farm - Existing
2% AEP - Velocity



Legend

Hydraulic Model Boundary

Velocity (m/s)

< 0.3

0.3 - 0.5

0.5 - 1.0

Collgar Wind Farm layout

Wind Turbine Locations

Hardstands

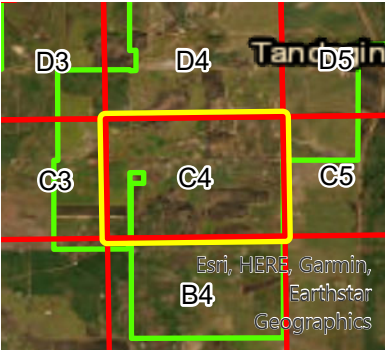
Access Road - Corridor

Access Road - Centreline

Project Area

Protected Areas

Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

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WTG044

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Collgar Wind Farm - Existing
2% AEP - Velocity



Legend

Hydraulic Model Boundary

Velocity (m/s)

< 0.3

0.3 - 0.5

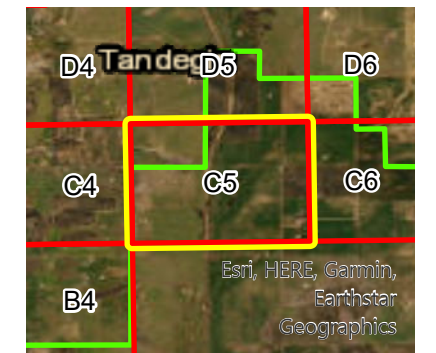
0.5 - 1.0

Collgar Wind Farm layout

Dwellings

Project Area

Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

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Collgar Wind Farm - Existing
2% AEP - Velocity



Legend

Hydraulic Model Boundary

Velocity (m/s)

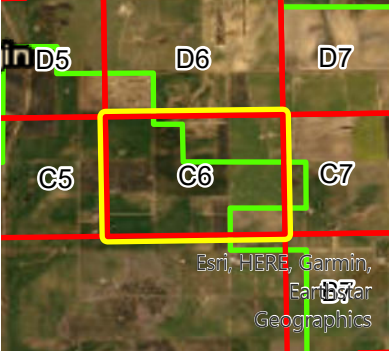
< 0.3

0.3 - 0.5

0.5 - 1.0

Collgar Wind Farm layout

Project Area



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

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528866

Collgar Wind Farm - Existing
2% AEP - Velocity



Legend

Hydraulic Model Boundary

Velocity (m/s)

< 0.3

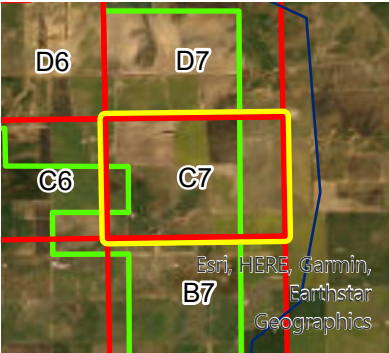
0.3 - 0.5

0.5 - 1.0

Collgar Wind Farm layout

Project Area

Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

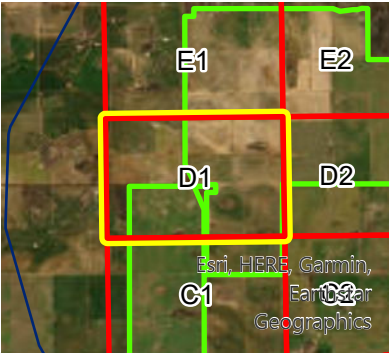
528866

Collgar Wind Farm - Existing
2% AEP - Velocity



Legend

- Hydraulic Model Boundary
- Velocity (m/s)
 - < 0.3
 - 0.3 - 0.5
 - 0.5 - 1.0
- Collgar Wind Farm layout
 - Wind Turbine Locations
 - Hardstands
 - Access Road - Corridor
 - Access Road - Centreline
 - Project Area
 - Protected Areas
 - Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

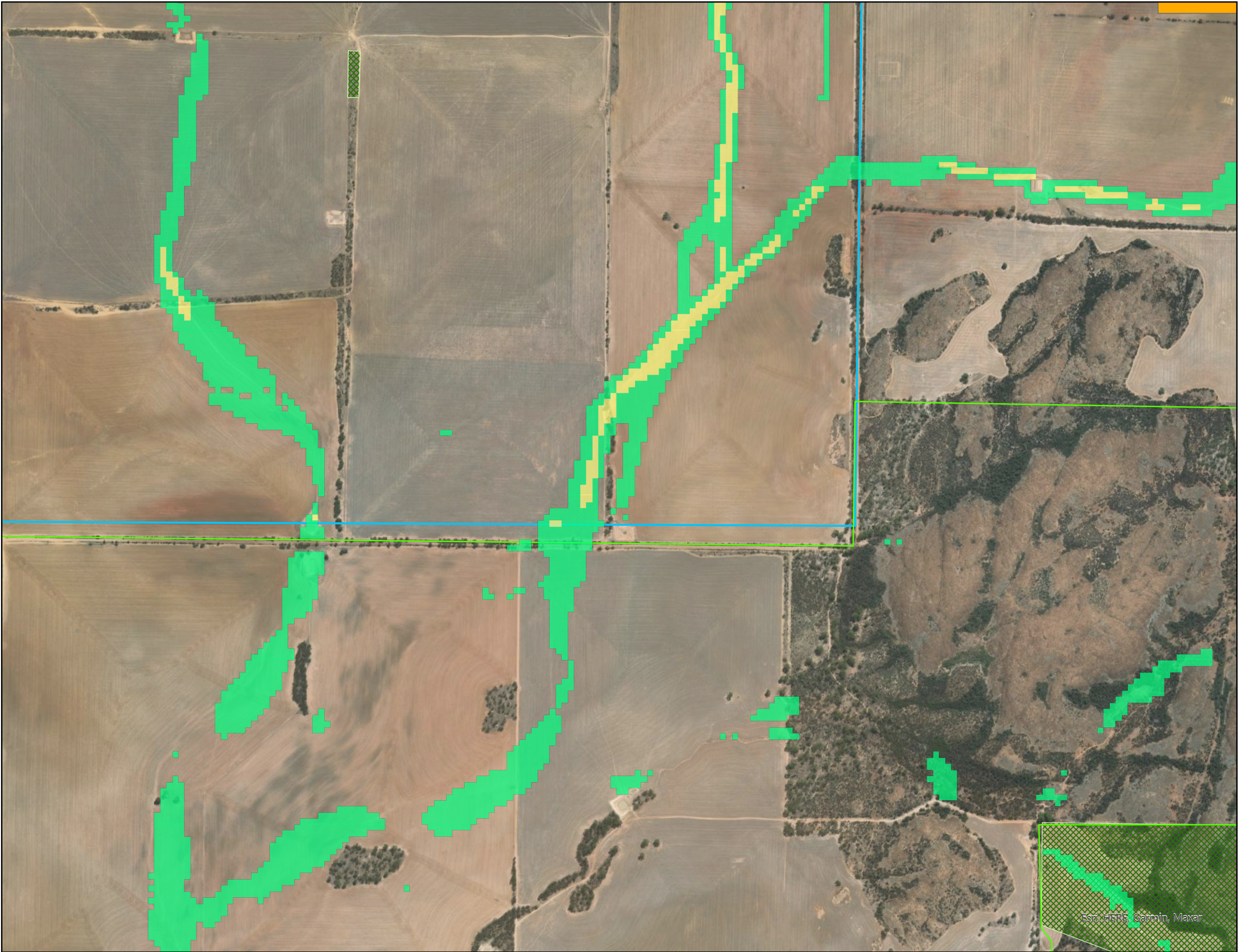
A3 Scale: 1:12,500

EPSG:7850

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Collgar Wind Farm - Existing
2% AEP - Velocity



Legend

Hydraulic Model Boundary

Velocity (m/s)

< 0.3

0.3 - 0.5

0.5 - 1.0

Collgar Wind Farm layout

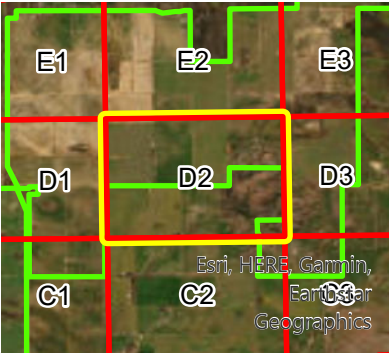
Hardstands

Substation Location

Project Area

Protected Areas

Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
2% AEP - Velocity



Legend

Hydraulic Model Boundary

Velocity (m/s)

< 0.3

0.3 - 0.5

0.5 - 1.0

Collgar Wind Farm layout

Wind Turbine Locations

Hardstands

Substation Location

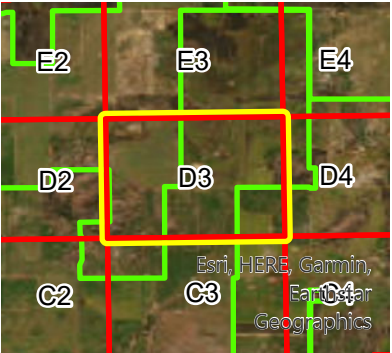
Access Road - Corridor

Access Road - Centreline

Project Area

Protected Areas

Existing Road Network



DRAFT

Rev A



0 2,500 5,000 10,000 m

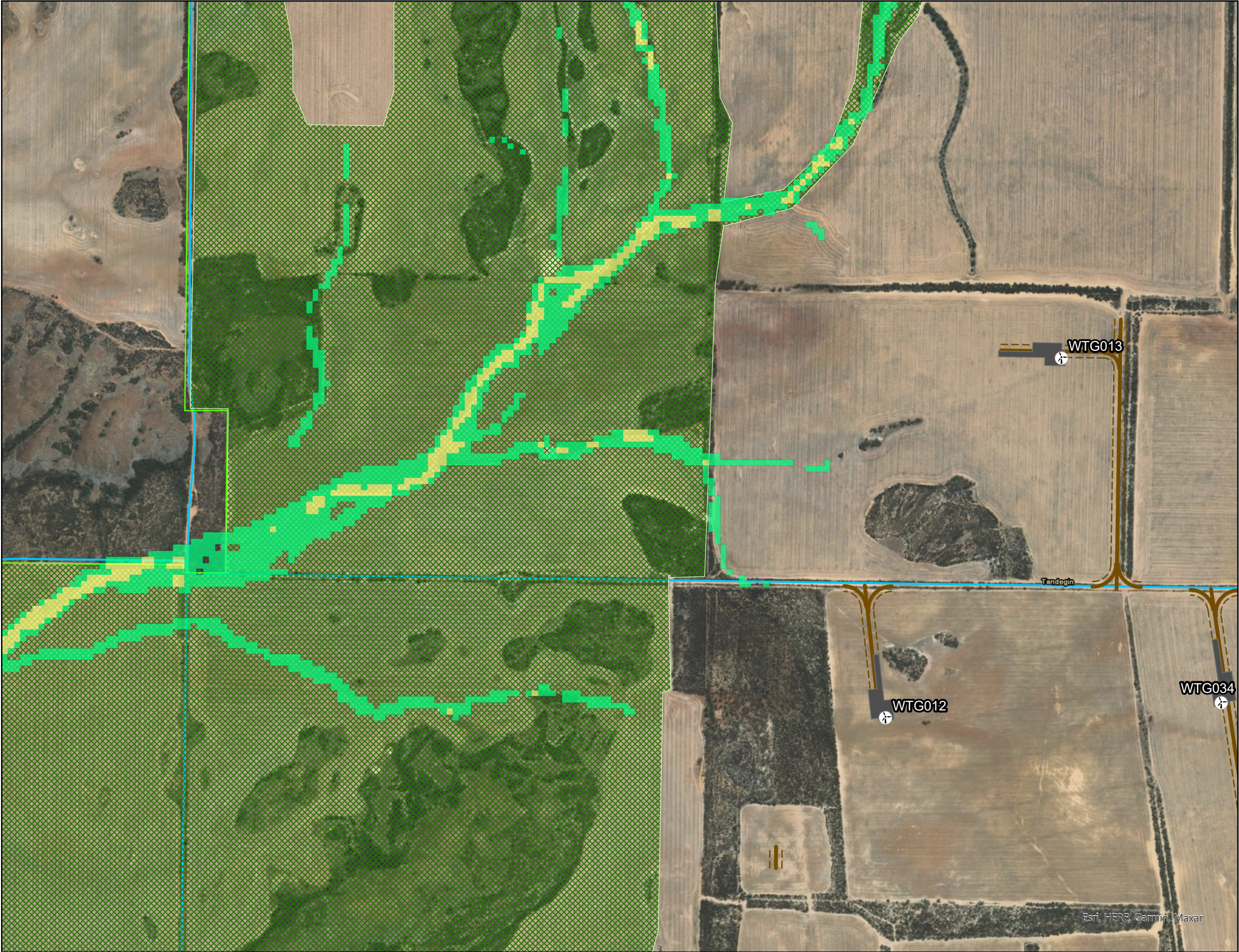
A3 Scale: 1:12,500

EPSG:7850

27/8/2025

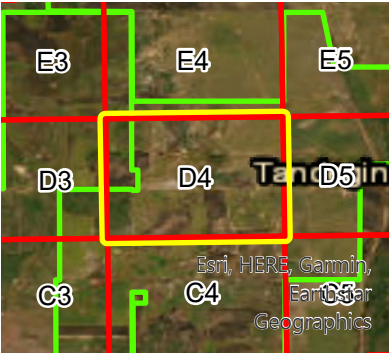
528866

Collgar Wind Farm - Existing
2% AEP - Velocity



Legend

- Hydraulic Model Boundary
- Velocity (m/s)
 - < 0.3
 - 0.3 - 0.5
 - 0.5 - 1.0
- Collgar Wind Farm layout
 - Wind Turbine Locations
 - Hardstands
 - Access Road - Corridor
 - Access Road - Centreline
 - Project Area
 - Protected Areas
 - Existing Road Network



DRAFT

Rev A



0 2,500 5,000 10,000 m

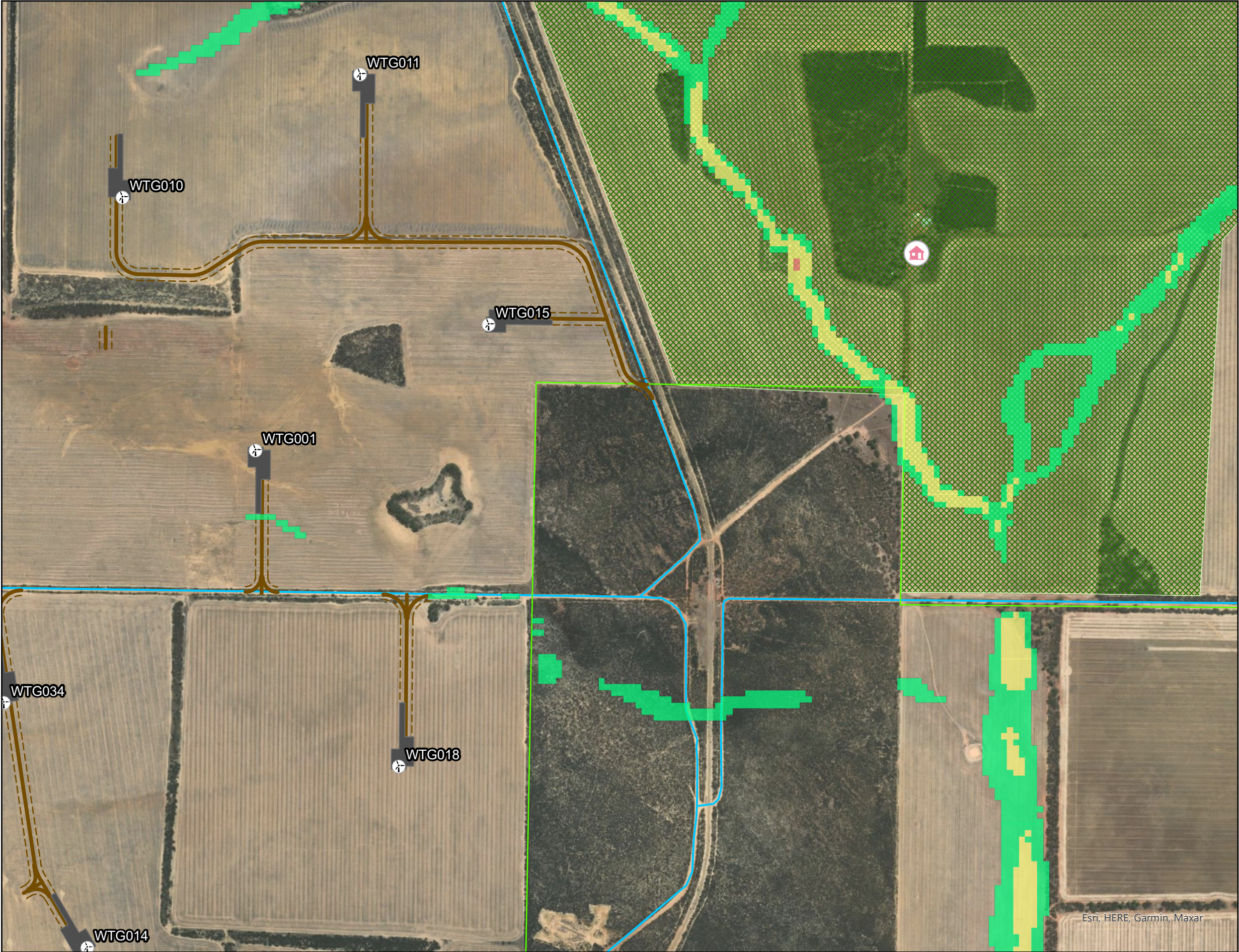
A3 Scale: 1:12,500

EPSG:7850

27/8/2025

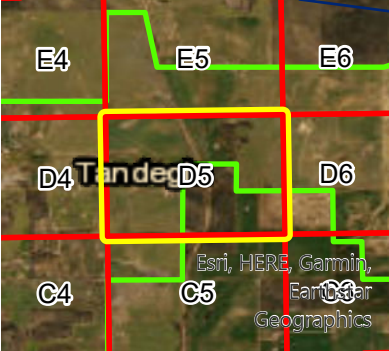
528866

**Collgar Wind Farm - Existing
2% AEP - Velocity**



Legend

- Hydraulic Model Boundary
- Velocity (m/s)
 - < 0.3
 - 0.3 - 0.5
 - 0.5 - 1.0
 - 1.0 - 1.5
- Collgar Wind Farm layout
 - Wind Turbine Locations
 - Hardstands
 - Dwellings
 - Access Road - Corridor
 - Access Road - Centreline
 - Project Area
 - Protected Areas
 - Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
2% AEP - Velocity



Legend

Hydraulic Model Boundary

Velocity (m/s)

< 0.3

0.3 - 0.5

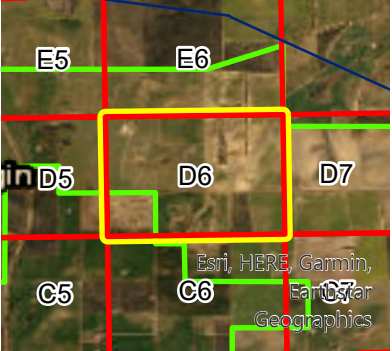
0.5 - 1.0

Collgar Wind Farm layout

Project Area

Protected Areas

Existing Road Network



Esri, HERE, Garmin, Maxar

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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
2% AEP - Velocity



Legend

Hydraulic Model Boundary

Velocity (m/s)

< 0.3

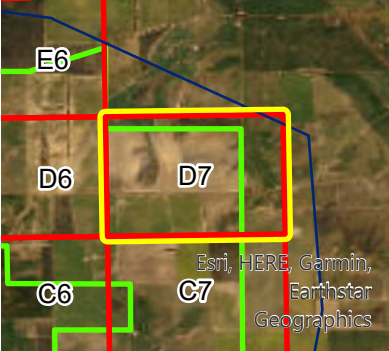
0.3 - 0.5

0.5 - 1.0

Collgar Wind Farm layout

Project Area

Existing Road Network



Esri, HERE, Garmin, Maxar

DRAFT

Rev A



0 2,500 5,000 10,000 m

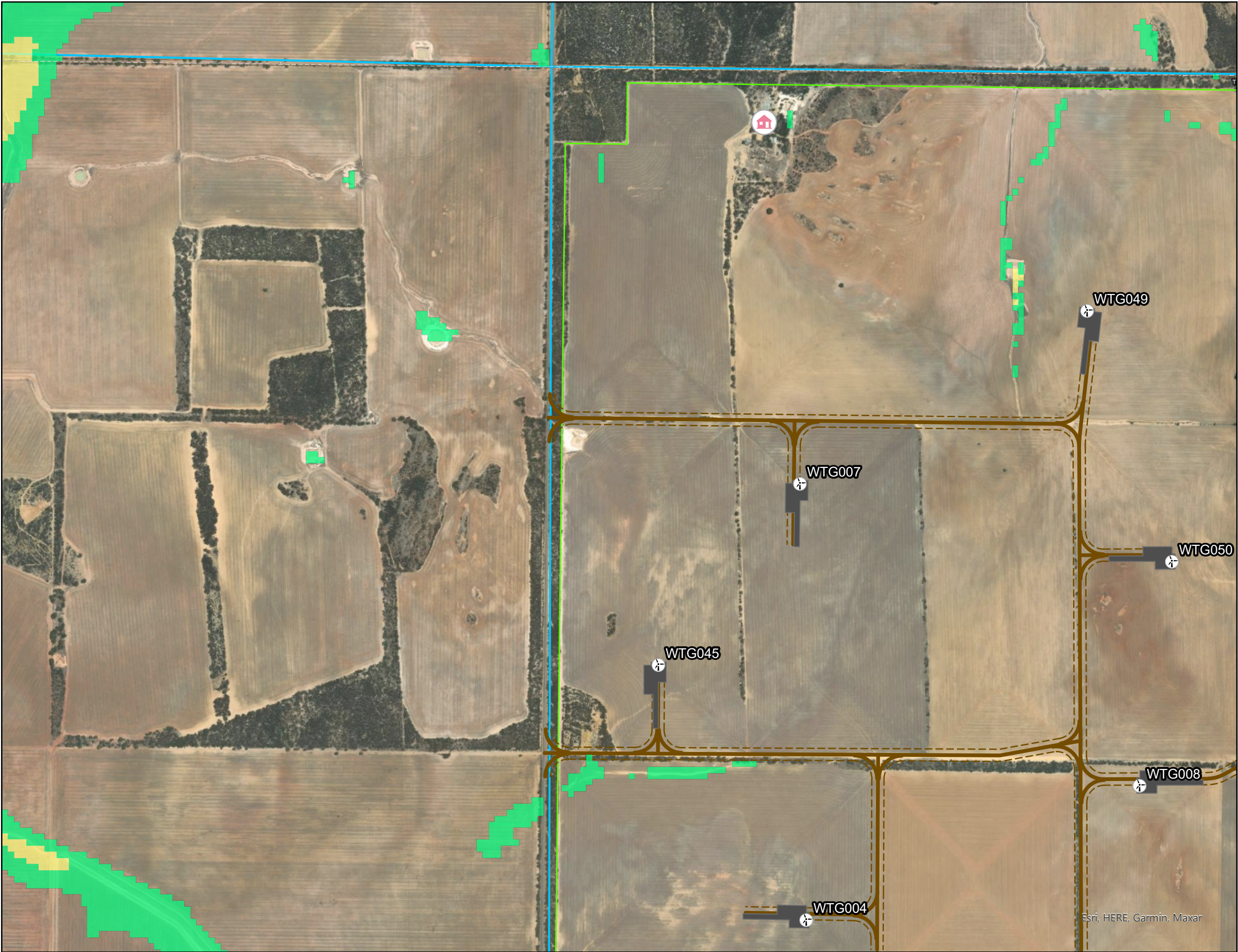
A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
2% AEP - Velocity



Legend

Hydraulic Model Boundary

Velocity (m/s)

< 0.3

0.3 - 0.5

0.5 - 1.0

Collgar Wind Farm layout

Wind Turbine Locations

Hardstands

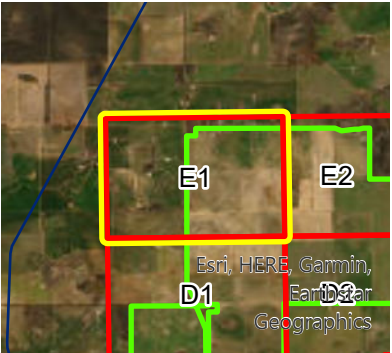
Dwellings

Access Road - Corridor

Access Road - Centreline

Project Area

Existing Road Network



DRAFT

Rev A



0 2,500 5,000 10,000 m

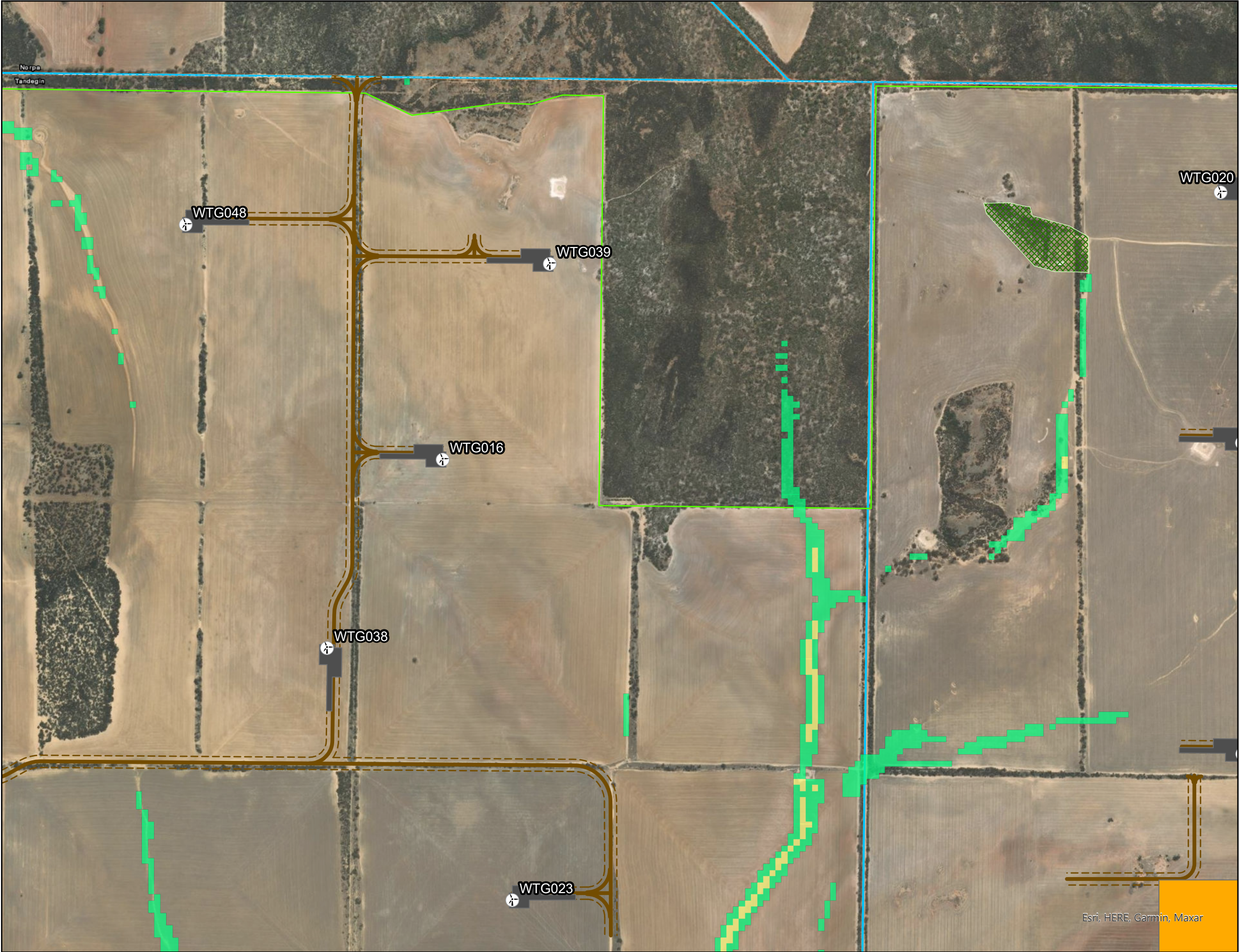
A3 Scale: 1:12,500

EPSG:7850

27/8/2025

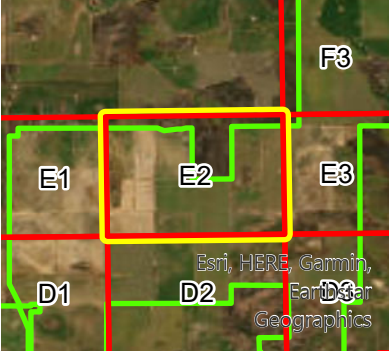
528866

Collgar Wind Farm - Existing
2% AEP - Velocity



Legend

- Hydraulic Model Boundary
- Velocity (m/s)
 - < 0.3
 - 0.3 - 0.5
 - 0.5 - 1.0
- Collgar Wind Farm layout
 - Wind Turbine Locations
 - Hardstands
 - Substation Location
 - Access Road - Corridor
 - Access Road - Centreline
 - Project Area
 - Protected Areas
 - Existing Road Network



DRAFT

Rev A



0 2,500 5,000 10,000 m

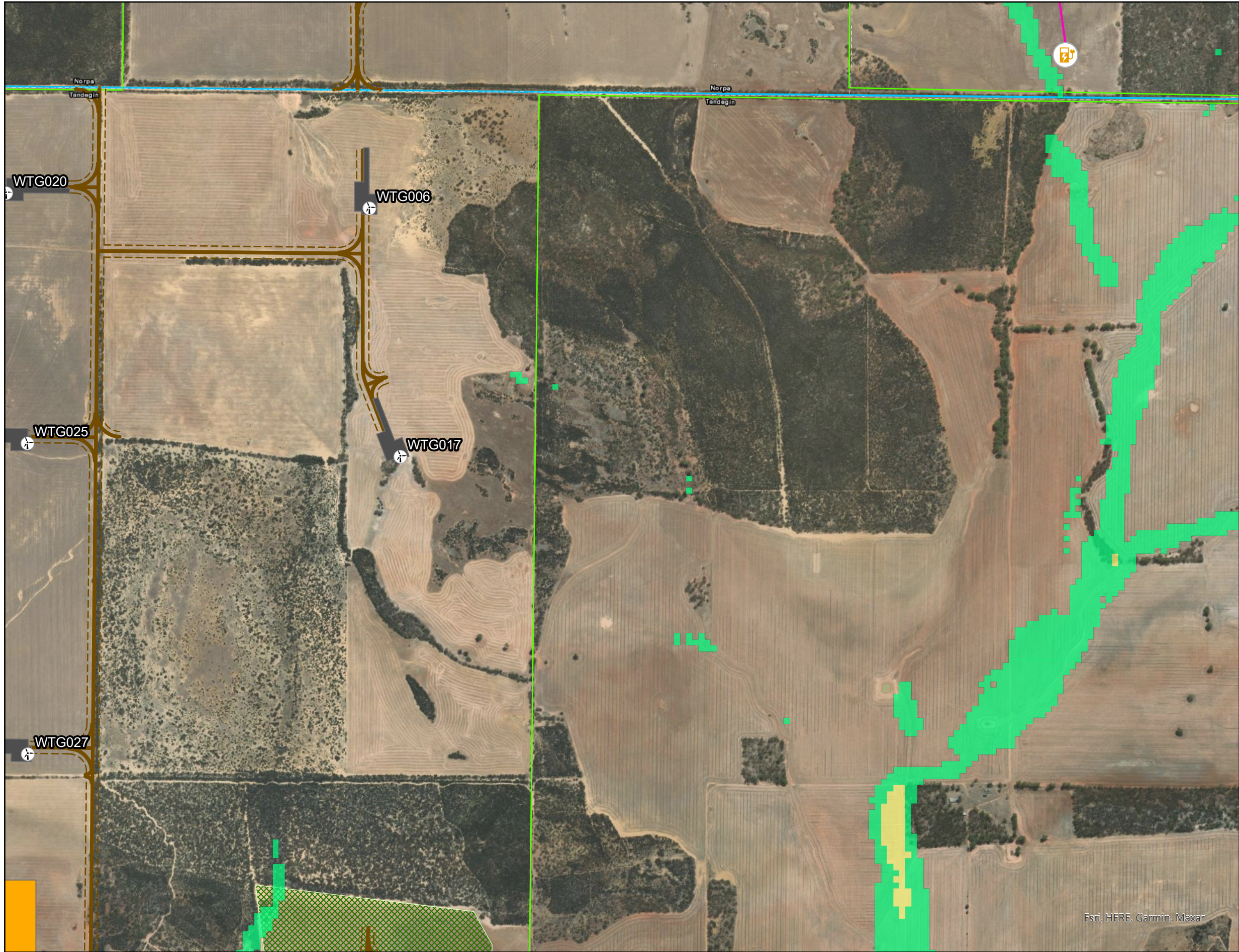
A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
2% AEP - Velocity



Legend

Hydraulic Model Boundary

Velocity (m/s)

< 0.3

0.3 - 0.5

0.5 - 1.0

Collgar Wind Farm layout

Wind Turbine Locations

Hardstands

Substation Location

Substation

OHTL 220kV

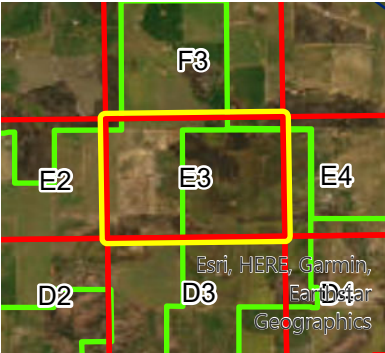
Access Road - Corridor

Access Road - Centreline

Project Area

Protected Areas

Existing Road Network



Esri, HERE, Garmin, Maxar

DRAFT

Rev A



0 2,500 5,000 10,000 m

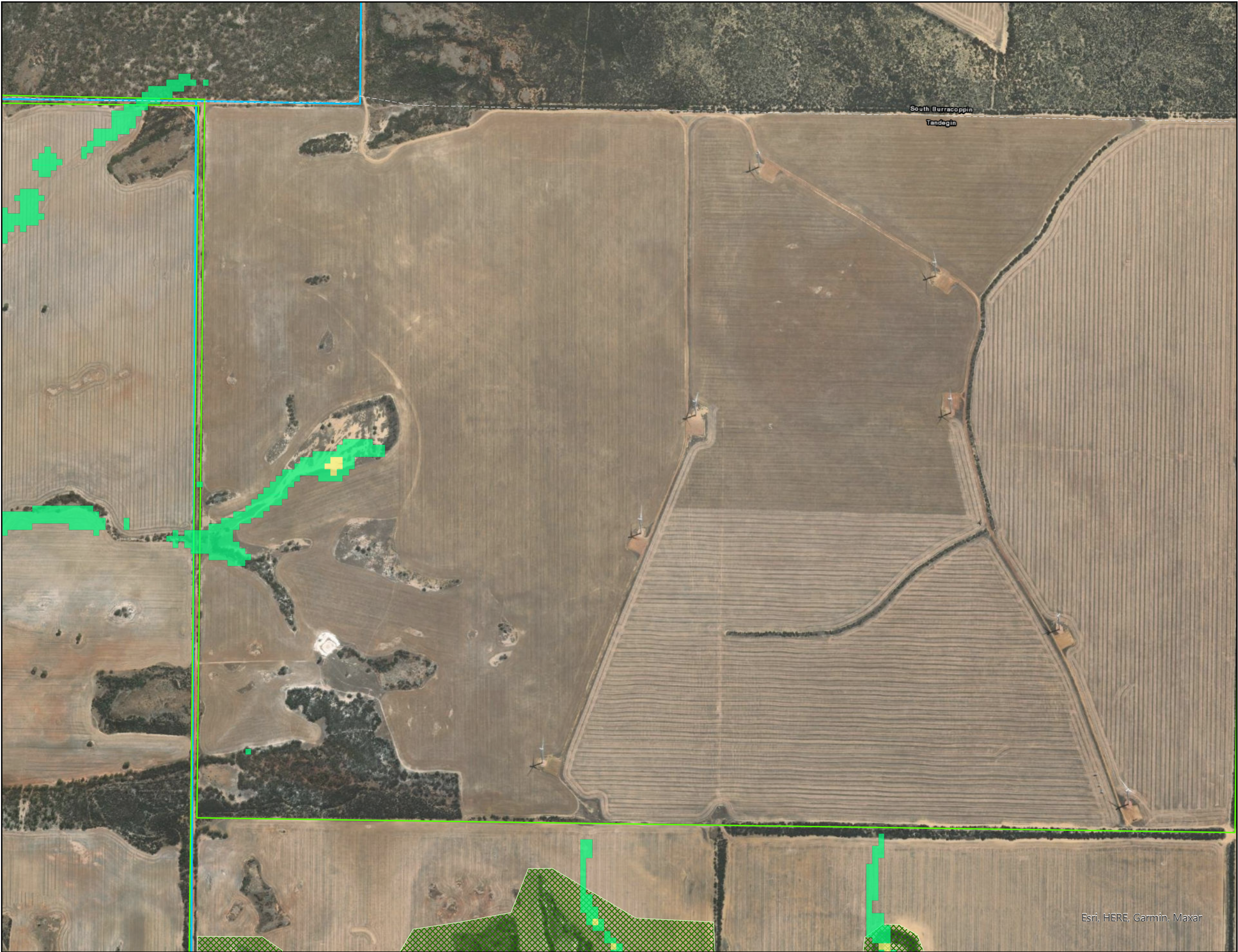
A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
2% AEP - Velocity



Legend

Hydraulic Model Boundary

Velocity (m/s)

< 0.3

0.3 - 0.5

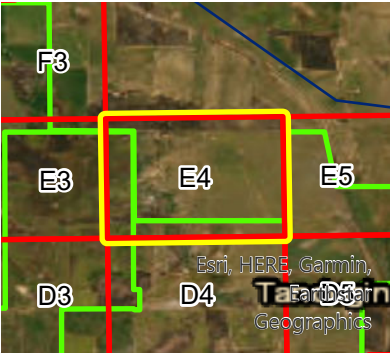
0.5 - 1.0

Collgar Wind Farm layout

Project Area

Protected Areas

Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

**Collgar Wind Farm - Existing
2% AEP - Velocity**



Legend

 Hydraulic Model Boundary

Velocity (m/s)

 < 0.3

0.3 - 0.5

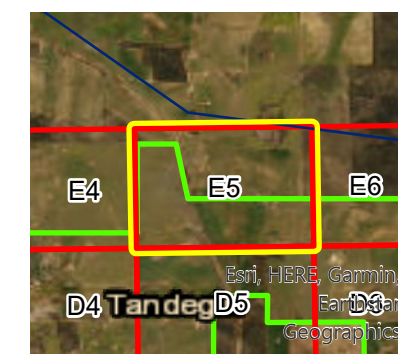
0.5 - 1.0

Collgar Wind Farm layout

 Project Area

 Protected Areas

— Existing Road Network



DRAFT

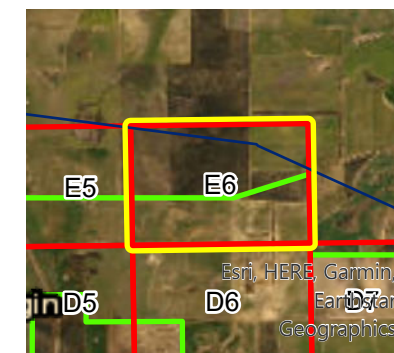
Rev.



Velocity (m/s)
< 0.3

Collgar Wind Farm layout

 Project Area
 Protected Areas
 Existing Road Network



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Rev A



A horizontal number line with tick marks at 0, 2,500, 5,000, and 10,000 m.

A3 Scale: 1:12,500

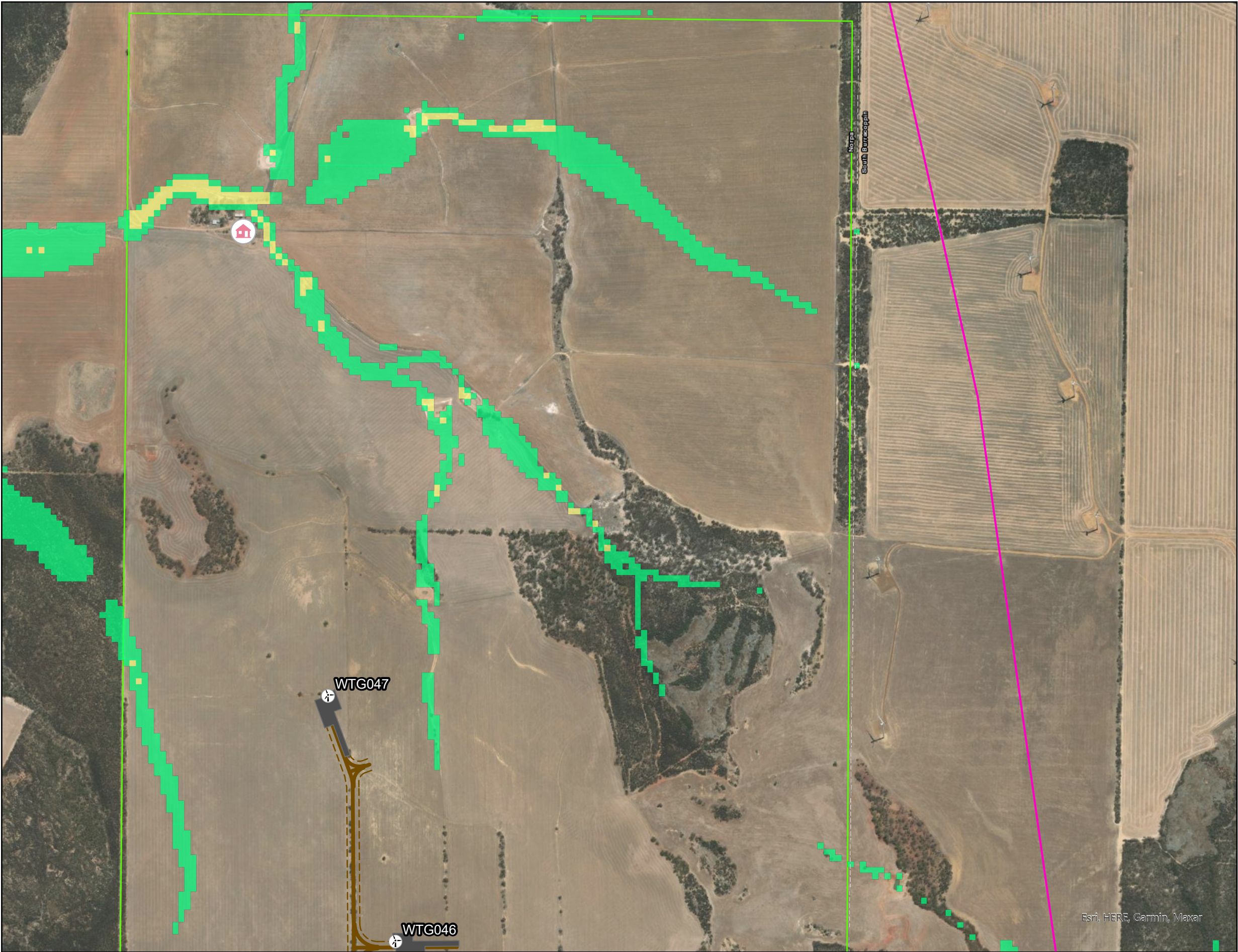
EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing

2% AEP - Velocity



Legend

Hydraulic Model Boundary

Velocity (m/s)

< 0.3

0.3 - 0.5

0.5 - 1.0

Collgar Wind Farm layout

Wind Turbine Locations

Hardstands

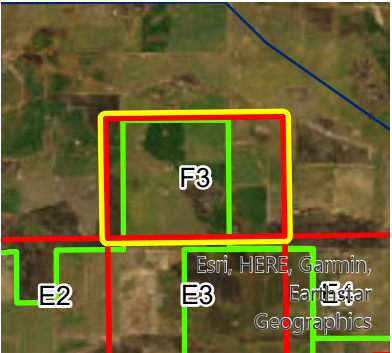
OHTL 220kV

Dwellings

Access Road - Corridor

Access Road - Centreline

Project Area



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
2% AEP - Velocity



Legend

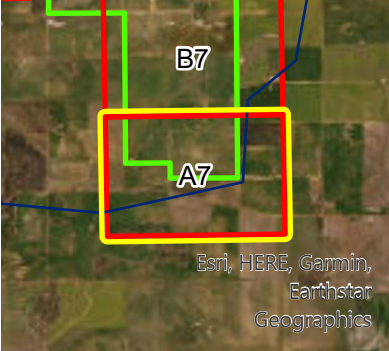
Hydraulic Model Boundary

Flood Hazard

- H1 - Generally safe for vehicles, people and buildings
- H2 - Unsafe for small vehicles
- H3 - Unsafe for vehicles, children and the elderly
- H4 - Unsafe for vehicles and people
- H5 - Unsafe for vehicles and people. All building types vulnerable to structural damage. Some less robust building types vulnerable to failure

Collgar Wind Farm layout

- Project Area
- Existing Road Network



Esri, HERE, Garmin, Maxar

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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500 EPSG:7850

27/8/2025

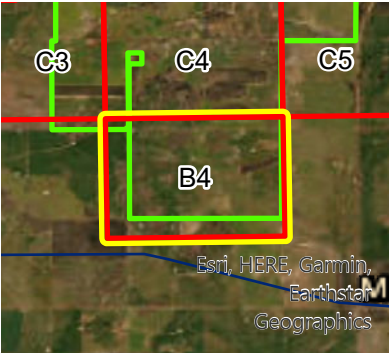
528866

Collgar Wind Farm - Existing
2% AEP - Flood Hazard



Legend

- Hydraulic Model Boundary
- Flood Hazard
 - H1 - Generally safe for vehicles, people and buildings
 - H2 - Unsafe for small vehicles
 - H3 - Unsafe for vehicles, children and the elderly
 - H4 - Unsafe for vehicles and people
- Collgar Wind Farm layout
 - Wind Turbine Locations
 - Hardstands
 - Access Road - Corridor
 - Access Road - Centreline
 - Project Area
 - Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

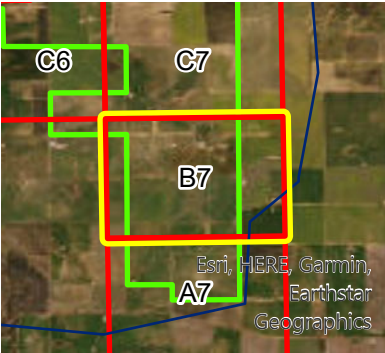
528866

Collgar Wind Farm - Existing
2% AEP - Flood Hazard



Legend

- Hydraulic Model Boundary
- Flood Hazard
 - H1 - Generally safe for vehicles, people and buildings
 - H2 - Unsafe for small vehicles
 - H3 - Unsafe for vehicles, children and the elderly
- Collgar Wind Farm layout
 - Dwellings
 - Project Area
 - Existing Road Network



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Rev A



0 2,500 5,000 10,000 m
A3 Scale: 1:12,500
EPSG:7850

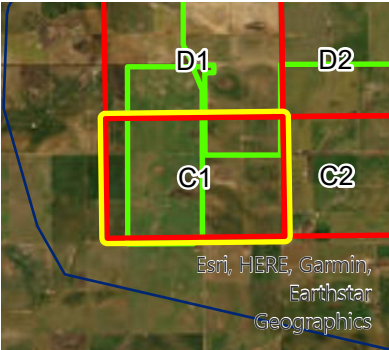
27/8/2025
528866

Collgar Wind Farm - Existing
2% AEP - Flood Hazard



Legend

- Hydraulic Model Boundary
- Flood Hazard
 - H1 - Generally safe for vehicles, people and buildings
 - H2 - Unsafe for small vehicles
 - H3 - Unsafe for vehicles, children and the elderly
 - H4 - Unsafe for vehicles and people
- Collgar Wind Farm layout
 - Wind Turbine Locations
 - Hardstands
 - Access Road - Corridor
 - Access Road - Centreline
 - Project Area
 - Existing Road Network



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Rev A



0 2,500 5,000 10,000 m
A3 Scale: 1:12,500 EPSG:7850

27/8/2025
528866

Collgar Wind Farm - Existing
2% AEP - Flood Hazard



Legend

Hydraulic Model Boundary

Flood Hazard

H1 - Generally safe for vehicles, people and buildings

H2 - Unsafe for small vehicles

H3 - Unsafe for vehicles, children and the elderly

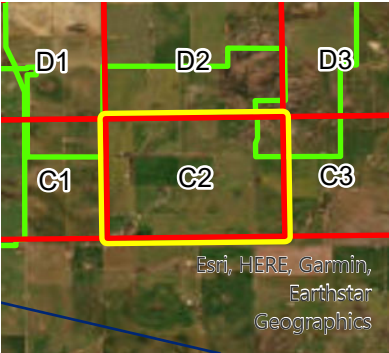
H4 - Unsafe for vehicles and people

Collgar Wind Farm layout

Project Area

Existing Road Network

Protected Areas



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
2% AEP - Flood Hazard

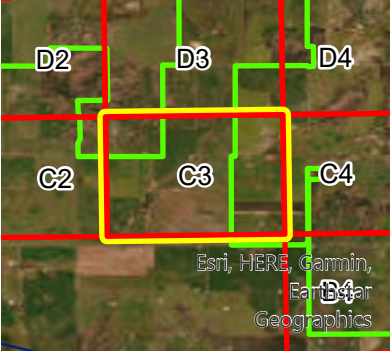


Legend

- Hydraulic Model Boundary
- Flood Hazard
 - H1 - Generally safe for vehicles, people and buildings
 - H2 - Unsafe for small vehicles
 - H3 - Unsafe for vehicles, children and the elderly

Collgar Wind Farm layout

- Dwellings
- Project Area
- Existing Road Network
- Protected Areas



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Rev A



0 2,500 5,000 10,000 m

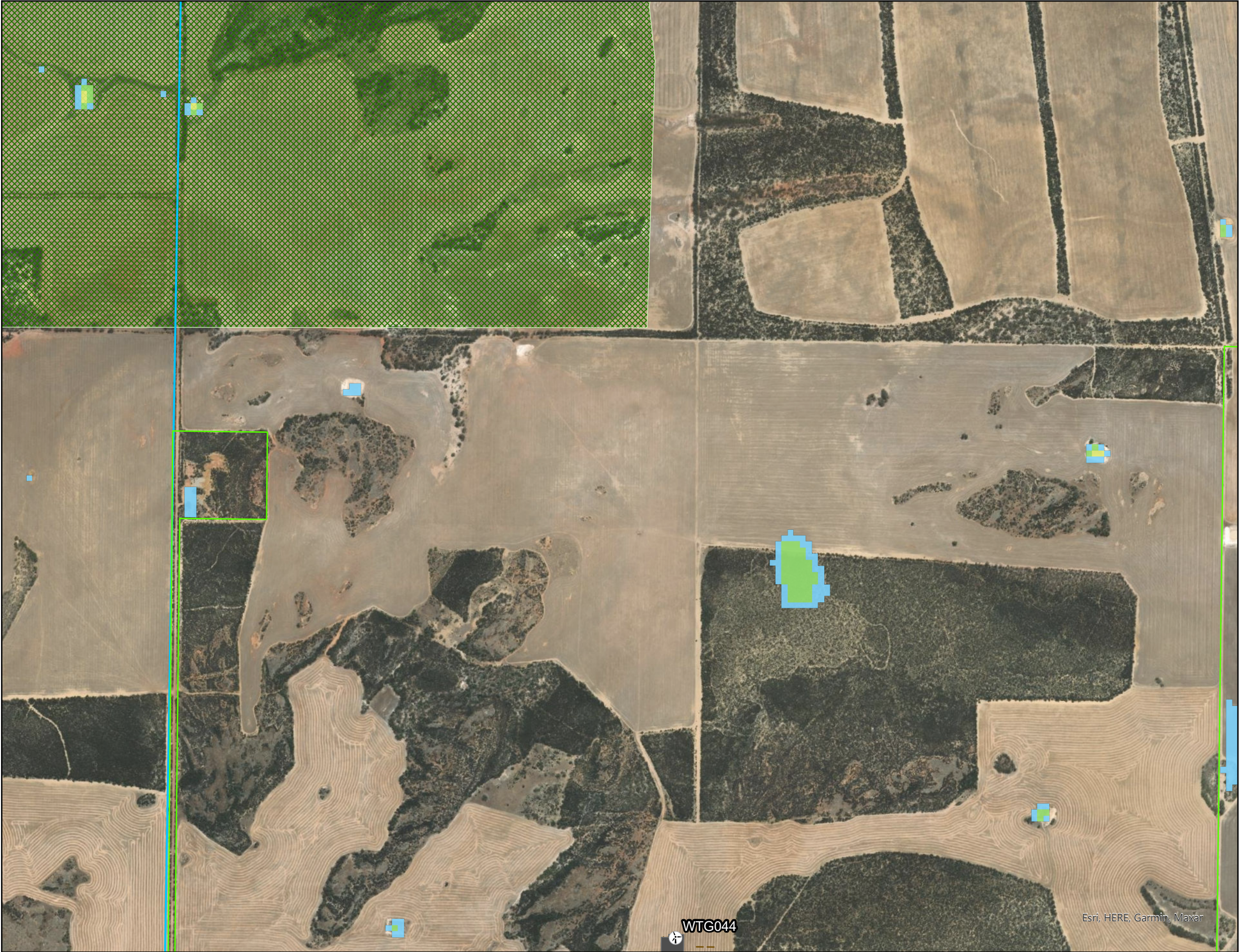
A3 Scale: 1:12,500

EPSG:7850

27/8/2025

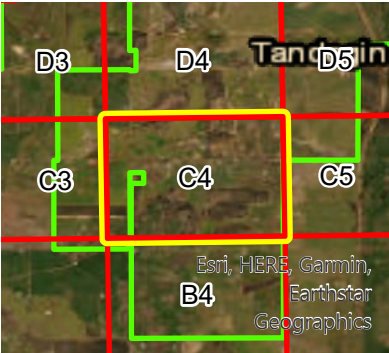
528866

**Collgar Wind Farm - Existing
2% AEP - Flood Hazard**



Legend

- Hydraulic Model Boundary
- Flood Hazard
 - H1 - Generally safe for vehicles, people and buildings
 - H2 - Unsafe for small vehicles
 - H3 - Unsafe for vehicles, children and the elderly
 - H4 - Unsafe for vehicles and people
- Collgar Wind Farm layout
 - Wind Turbine Locations
 - Hardstands
 - Access Road - Corridor
 - Access Road - Centreline
 - Project Area
 - Existing Road Network
 - Protected Areas



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
2% AEP - Flood Hazard

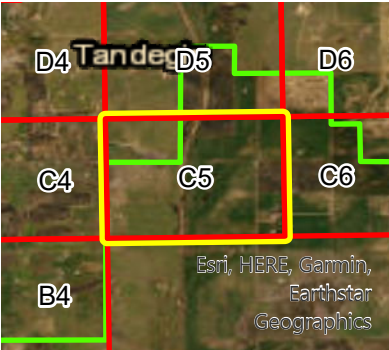


Legend

- Hydraulic Model Boundary
- Flood Hazard
- H1 - Generally safe for vehicles, people and buildings
 - H2 - Unsafe for small vehicles
 - H3 - Unsafe for vehicles, children and the elderly
 - H4 - Unsafe for vehicles and people

Collgar Wind Farm layout

- Dwellings
- Project Area
- Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

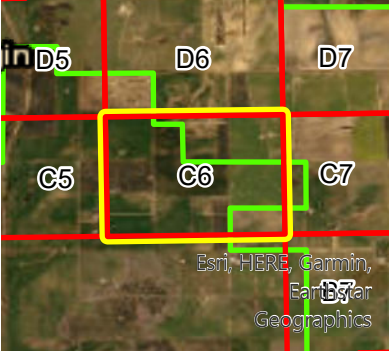
528866

Collgar Wind Farm - Existing
2% AEP - Flood Hazard



Legend

- Hydraulic Model Boundary
- Flood Hazard
 - H1 - Generally safe for vehicles, people and buildings
 - H2 - Unsafe for small vehicles
 - H3 - Unsafe for vehicles, children and the elderly
 - H4 - Unsafe for vehicles and people
- Collgar Wind Farm layout
 - Project Area
 - Existing Road Network



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Rev A



0 2,500 5,000 10,000 m
A3 Scale: 1:12,500 EPSG:7850

27/8/2025
528866

Collgar Wind Farm - Existing
2% AEP - Flood Hazard



Legend

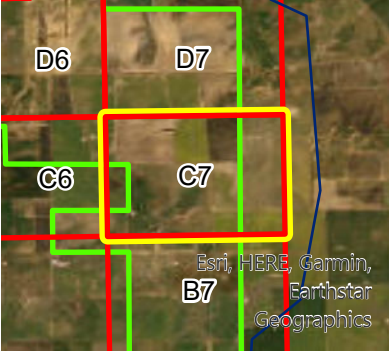
Hydraulic Model Boundary

Flood Hazard

- H1 - Generally safe for vehicles, people and buildings
- H2 - Unsafe for small vehicles
- H3 - Unsafe for vehicles, children and the elderly
- H4 - Unsafe for vehicles and people
- H5 - Unsafe for vehicles and people. All building types vulnerable to structural damage. Some less robust building types vulnerable to failure

Collgar Wind Farm layout

- Project Area
- Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

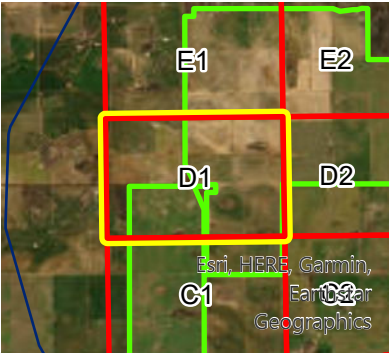
528866

**Collgar Wind Farm - Existing
2% AEP - Flood Hazard**



Legend

- Hydraulic Model Boundary
- Flood Hazard
 - H1 - Generally safe for vehicles, people and buildings
 - H2 - Unsafe for small vehicles
 - H3 - Unsafe for vehicles, children and the elderly
 - H4 - Unsafe for vehicles and people
- Collgar Wind Farm layout
 - Wind Turbine Locations
 - Hardstands
 - Access Road - Corridor
 - Access Road - Centreline
 - Project Area
 - Existing Road Network
 - Protected Areas



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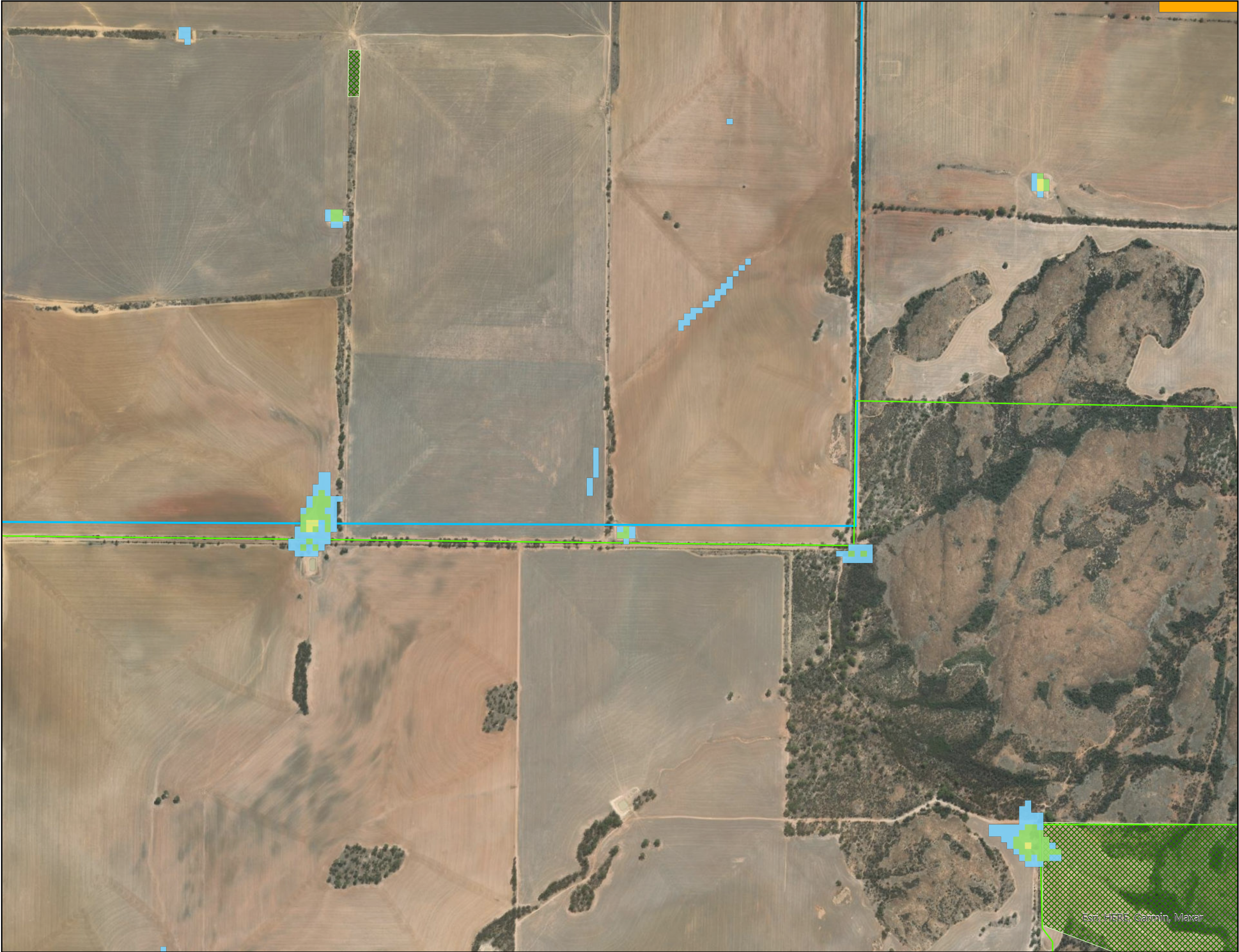
Rev A



0 2,500 5,000 10,000 m
A3 Scale: 1:12,500
EPSG:7850

27/8/2025
528866

Collgar Wind Farm - Existing
2% AEP - Flood Hazard



Legend

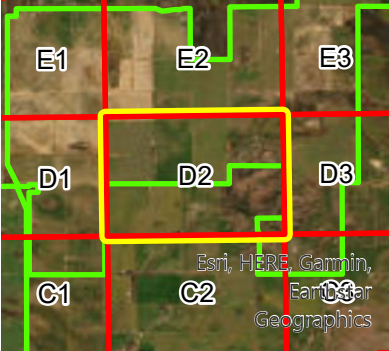
Hydraulic Model Boundary

Flood Hazard

- H1 - Generally safe for vehicles, people and buildings
- H2 - Unsafe for small vehicles
- H3 - Unsafe for vehicles, children and the elderly
- H4 - Unsafe for vehicles and people

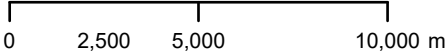
Collgar Wind Farm layout

- Hardstands
- Substation Location
- Project Area
- Existing Road Network
- Protected Areas



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Rev A



A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
2% AEP - Flood Hazard

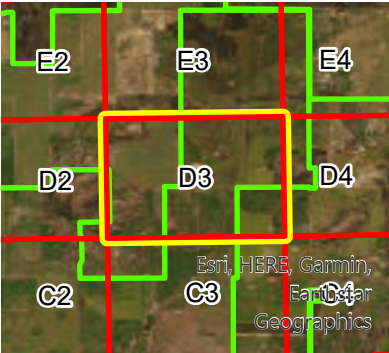


Legend

- Hydraulic Model Boundary
- Flood Hazard
 - H1 - Generally safe for vehicles, people and buildings
 - H2 - Unsafe for small vehicles
 - H3 - Unsafe for vehicles, children and the elderly
 - H4 - Unsafe for vehicles and people

Collgar Wind Farm layout

- Wind Turbine Locations
- Hardstands
- Substation Location
- Access Road - Corridor
- Access Road - Centreline
- Project Area
- Existing Road Network
- Protected Areas



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

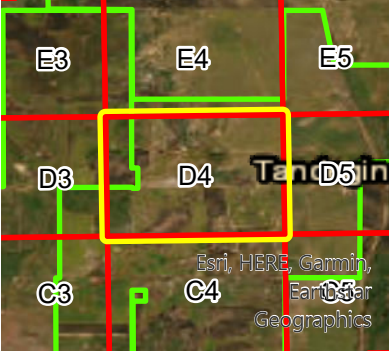
528866

Collgar Wind Farm - Existing
2% AEP - Flood Hazard



Legend

- Hydraulic Model Boundary
- Flood Hazard
 - H1 - Generally safe for vehicles, people and buildings
 - H2 - Unsafe for small vehicles
 - H3 - Unsafe for vehicles, children and the elderly
 - H4 - Unsafe for vehicles and people
- Collgar Wind Farm layout
 - Wind Turbine Locations
 - Hardstands
 - Access Road - Corridor
 - Access Road - Centreline
 - Project Area
 - Existing Road Network
 - Protected Areas



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Rev A



0 2,500 5,000 10,000 m

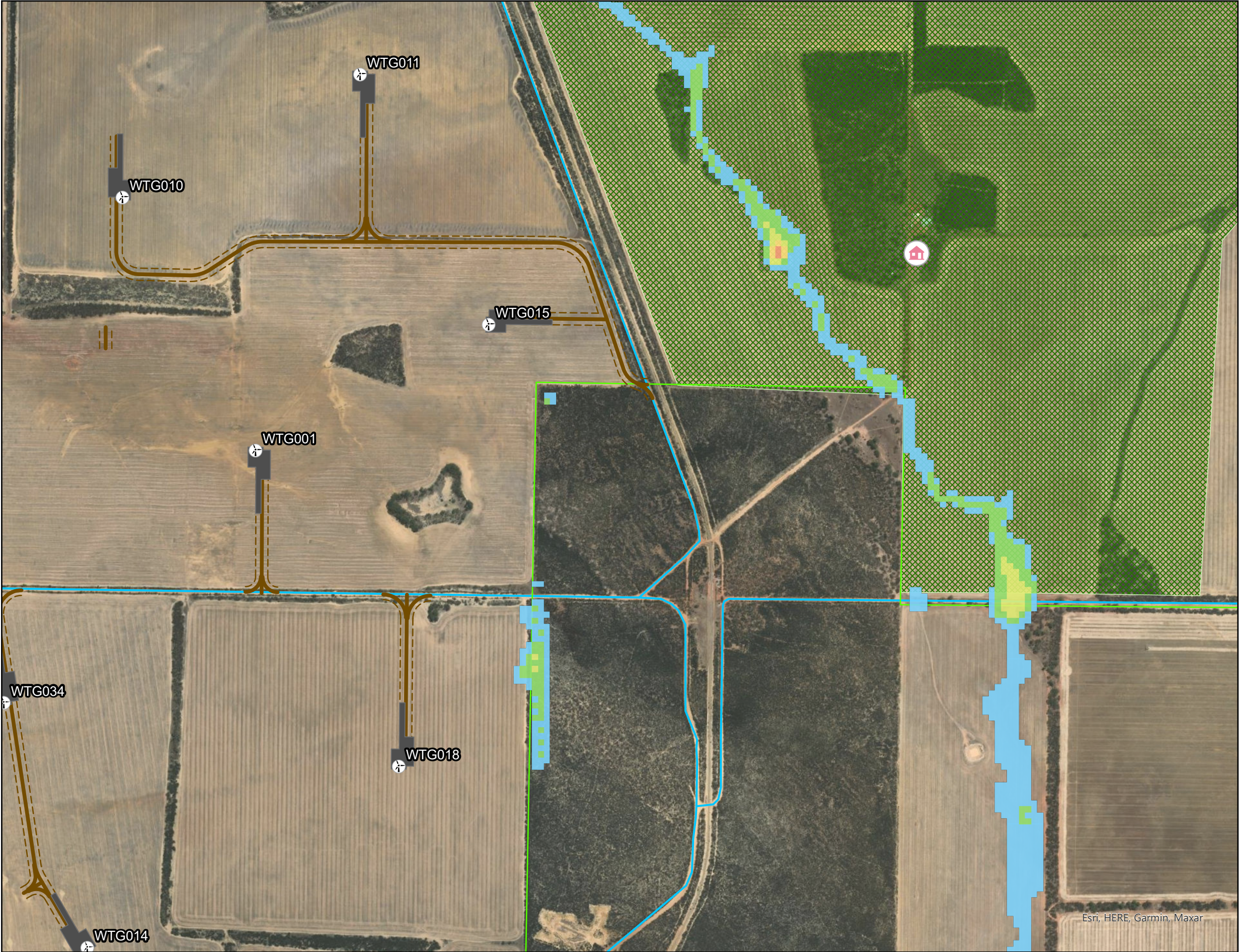
A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
2% AEP - Flood Hazard

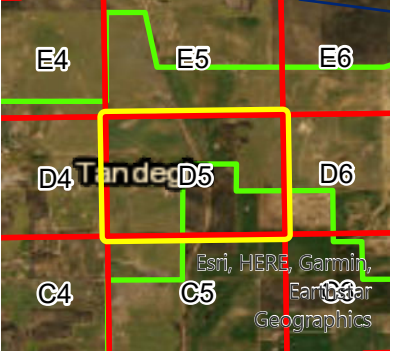


Legend

- Hydraulic Model Boundary
- Flood Hazard
- H1 - Generally safe for vehicles, people and buildings
 - H2 - Unsafe for small vehicles
 - H3 - Unsafe for vehicles, children and the elderly
 - H4 - Unsafe for vehicles and people
 - H5 - Unsafe for vehicles and people. All building types vulnerable to structural damage. Some less robust building types vulnerable to failure
 - H6 - Unsafe for vehicles and people. All building types vulnerable to structural damage. All building types considered vulnerable to failure

Collgar Wind Farm layout

- Wind Turbine Locations
- Hardstands
- Dwellings
- Access Road - Corridor
- Access Road - Centreline
- Project Area
- Existing Road Network
- Protected Areas



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866



Legend

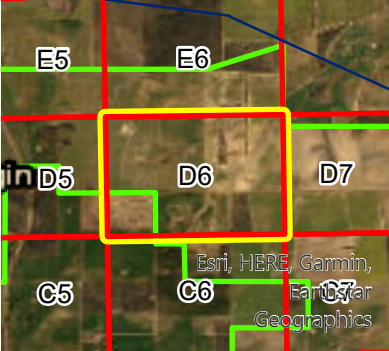
Hydraulic Model Boundary

Flood Hazard

- H1 - Generally safe for vehicles, people and buildings
- H2 - Unsafe for small vehicles
- H3 - Unsafe for vehicles, children and the elderly

Collgar Wind Farm layout

- Project Area
- Existing Road Network
- Protected Areas



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
2% AEP - Flood Hazard



Legend

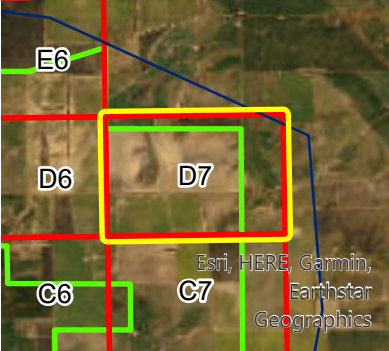
Hydraulic Model Boundary

Flood Hazard

- H1 - Generally safe for vehicles, people and buildings
- H2 - Unsafe for small vehicles
- H3 - Unsafe for vehicles, children and the elderly

Collgar Wind Farm layout

- Project Area
- Existing Road Network



DRAFT

Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

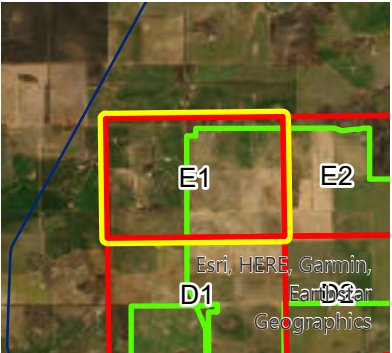
528866

**Collgar Wind Farm - Existing
2% AEP - Flood Hazard**



Legend

- Hydraulic Model Boundary
- Flood Hazard**
 - H1 - Generally safe for vehicles, people and buildings
 - H2 - Unsafe for small vehicles
 - H3 - Unsafe for vehicles, children and the elderly
 - H4 - Unsafe for vehicles and people
 - H5 - Unsafe for vehicles and people. All building types vulnerable to structural damage. Some less robust building types vulnerable to failure
- Collgar Wind Farm layout**
 - Wind Turbine Locations
 - Hardstands
 - Dwellings
 - Access Road - Corridor
 - Access Road - Centreline
 - Project Area
 - Existing Road Network



DRAFT

Rev A



0 2,500 5,000 10,000 m

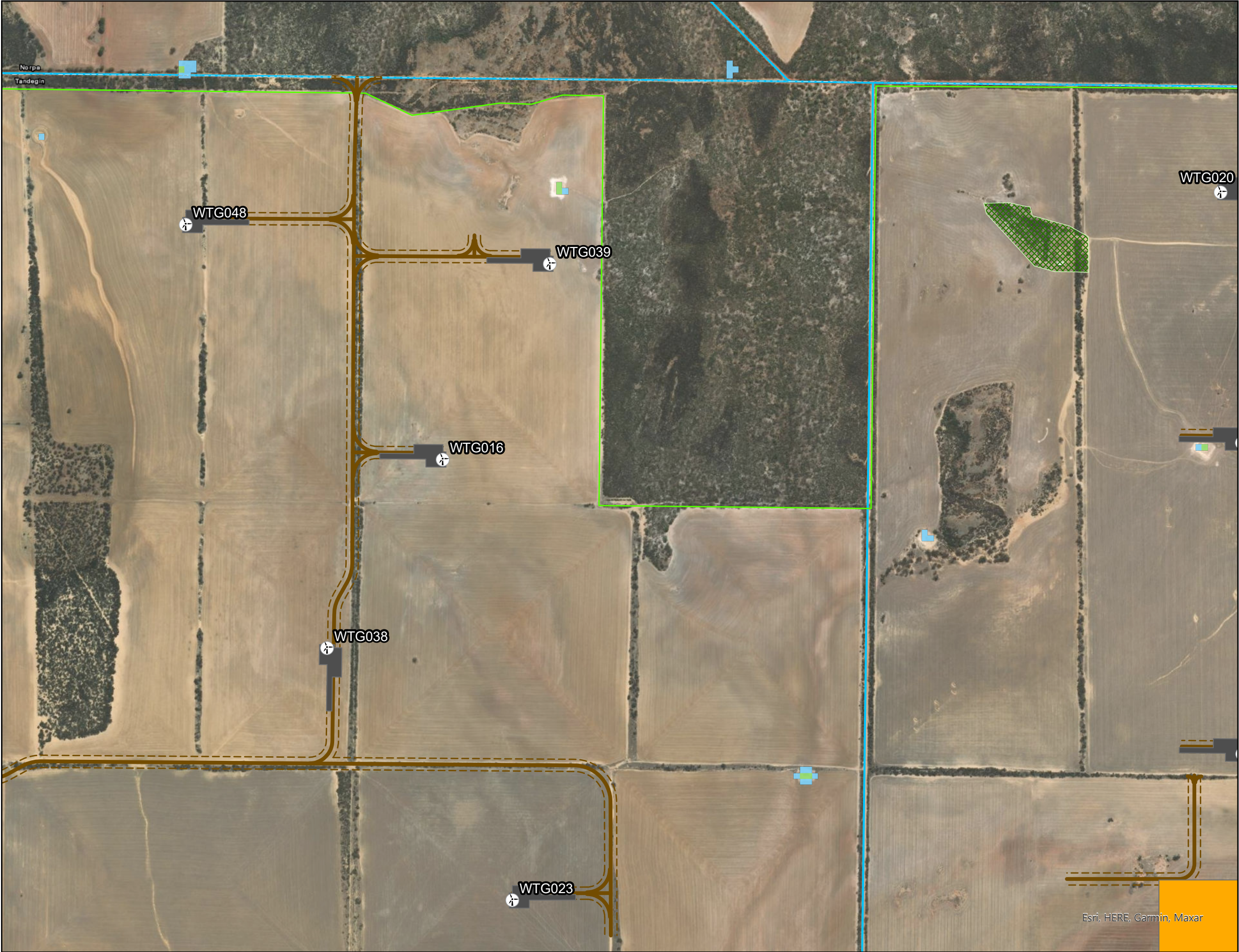
A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

**Collgar Wind Farm - Existing
2% AEP - Flood Hazard**



Legend

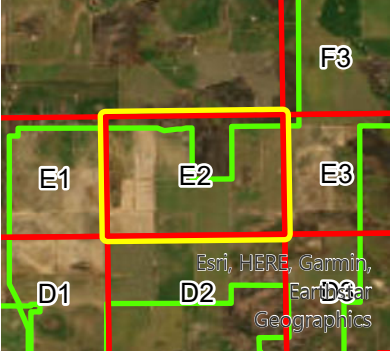
- Hydraulic Model Boundary

Flood Hazard

- H1 - Generally safe for vehicles, people and buildings
- H2 - Unsafe for small vehicles
- H3 - Unsafe for vehicles, children and the elderly

Collgar Wind Farm layout

- Wind Turbine Locations
- Hardstands
- Substation Location
- Access Road - Corridor
- Access Road - Centreline
- Project Area
- Existing Road Network
- Protected Areas



DRAFT

Rev A



0 2,500 5,000 10,000 m

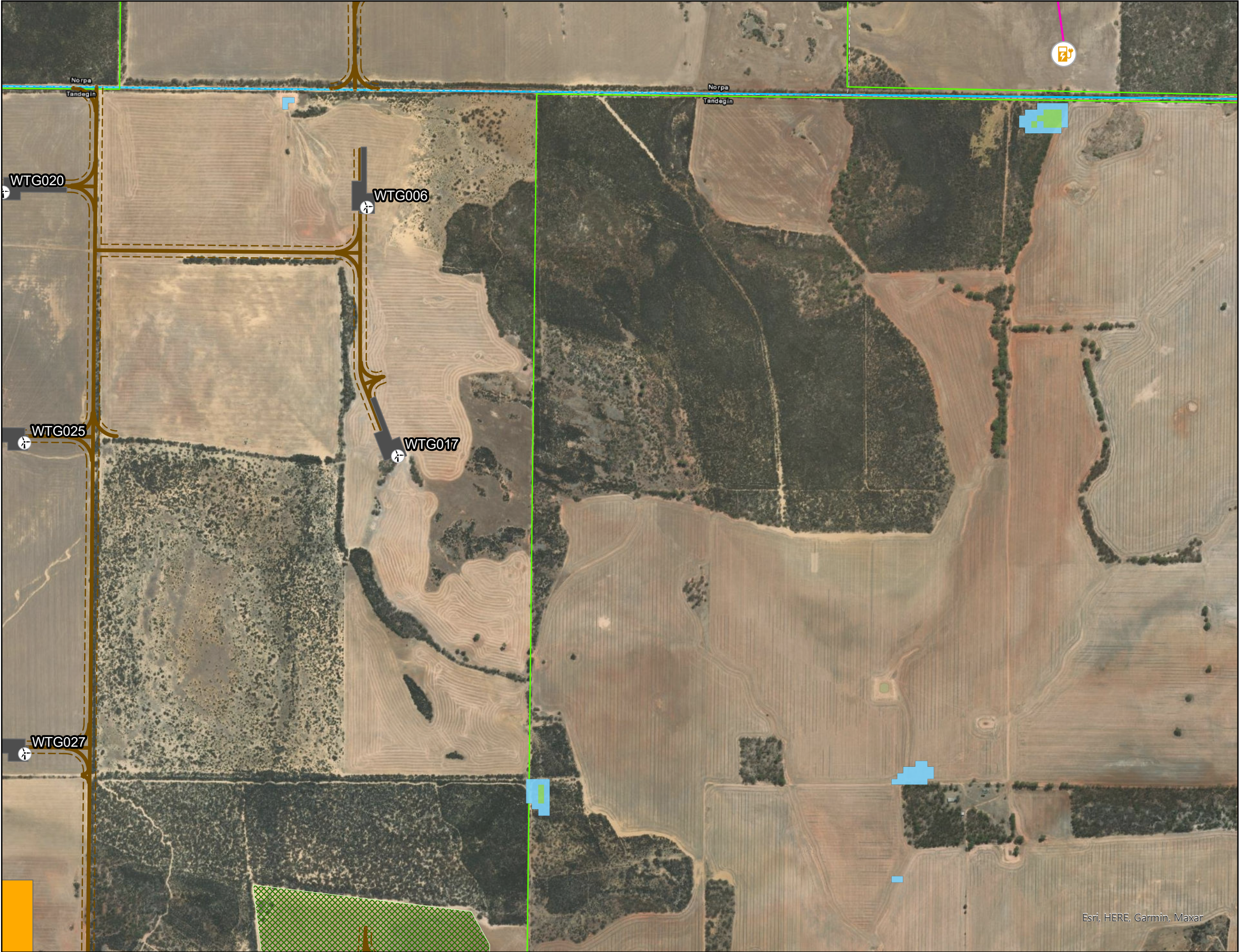
A3 Scale: 1:12,500

EPSG:7850

27/8/2025

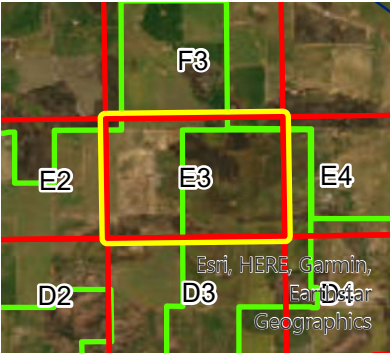
528866

Collgar Wind Farm - Existing
2% AEP - Flood Hazard



Legend

- Hydraulic Model Boundary
- Flood Hazard
 - H1 - Generally safe for vehicles, people and buildings
 - H2 - Unsafe for small vehicles
 - H3 - Unsafe for vehicles, children and the elderly
- Collgar Wind Farm layout
 - Wind Turbine Locations
 - Hardstands
 - Substation Location
 - Substation
 - OHTL 220kV
 - Access Road - Corridor
 - Access Road - Centreline
 - Project Area
 - Existing Road Network
 - Protected Areas



DRAFT

Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
2% AEP - Flood Hazard



Legend

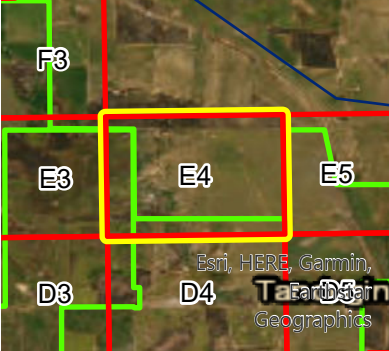
Hydraulic Model Boundary

Flood Hazard

- H1 - Generally safe for vehicles, people and buildings
- H2 - Unsafe for small vehicles
- H3 - Unsafe for vehicles, children and the elderly

Collgar Wind Farm layout

- Project Area
- Existing Road Network
- Protected Areas



Esri, HERE, Garmin, Maxar

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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

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Collgar Wind Farm - Existing
2% AEP - Flood Hazard



Legend

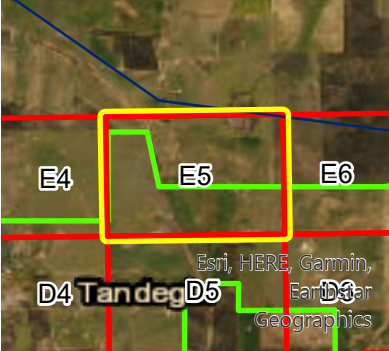
Hydraulic Model Boundary

Flood Hazard

- H1 - Generally safe for vehicles, people and buildings
- H2 - Unsafe for small vehicles
- H3 - Unsafe for vehicles, children and the elderly
- H4 - Unsafe for vehicles and people
- H5 - Unsafe for vehicles and people. All building types vulnerable to structural damage. Some less robust building types vulnerable to failure

Collgar Wind Farm layout

- Project Area
- Existing Road Network
- Protected Areas



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

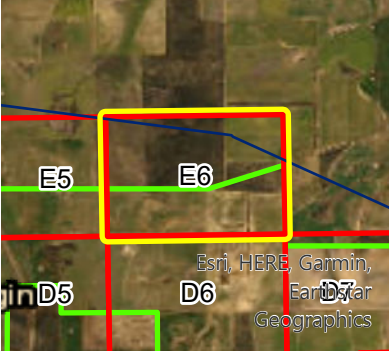
27/8/2025

528866

Collgar Wind Farm - Existing
2% AEP - Flood Hazard



- Legend**
- Hydraulic Model Boundary
- Flood Hazard**
- H1 - Generally safe for vehicles, people and buildings
 - H2 - Unsafe for small vehicles
 - H3 - Unsafe for vehicles, children and the elderly
 - H4 - Unsafe for vehicles and people
- Collgar Wind Farm layout**
- Project Area
 - Existing Road Network
 - Protected Areas



DRAFT

Rev A



0 2,500 5,000 10,000 m
A3 Scale: 1:12,500 EPSG:7850

27/8/2025
528866

**Collgar Wind Farm - Existing
2% AEP - Flood Hazard**

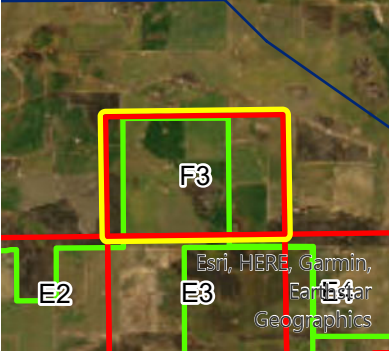


Legend

- Hydraulic Model Boundary
- Flood Hazard
 - H1 - Generally safe for vehicles, people and buildings
 - H2 - Unsafe for small vehicles
 - H3 - Unsafe for vehicles, children and the elderly
 - H4 - Unsafe for vehicles and people
 - H5 - Unsafe for vehicles and people. All building types vulnerable to structural damage. Some less robust building types vulnerable to failure

Collgar Wind Farm layout

- Wind Turbine Locations
- Hardstands
- OHTL 220kV
- Dwellings
- Access Road - Corridor
- Access Road - Centreline
- Project Area
- Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

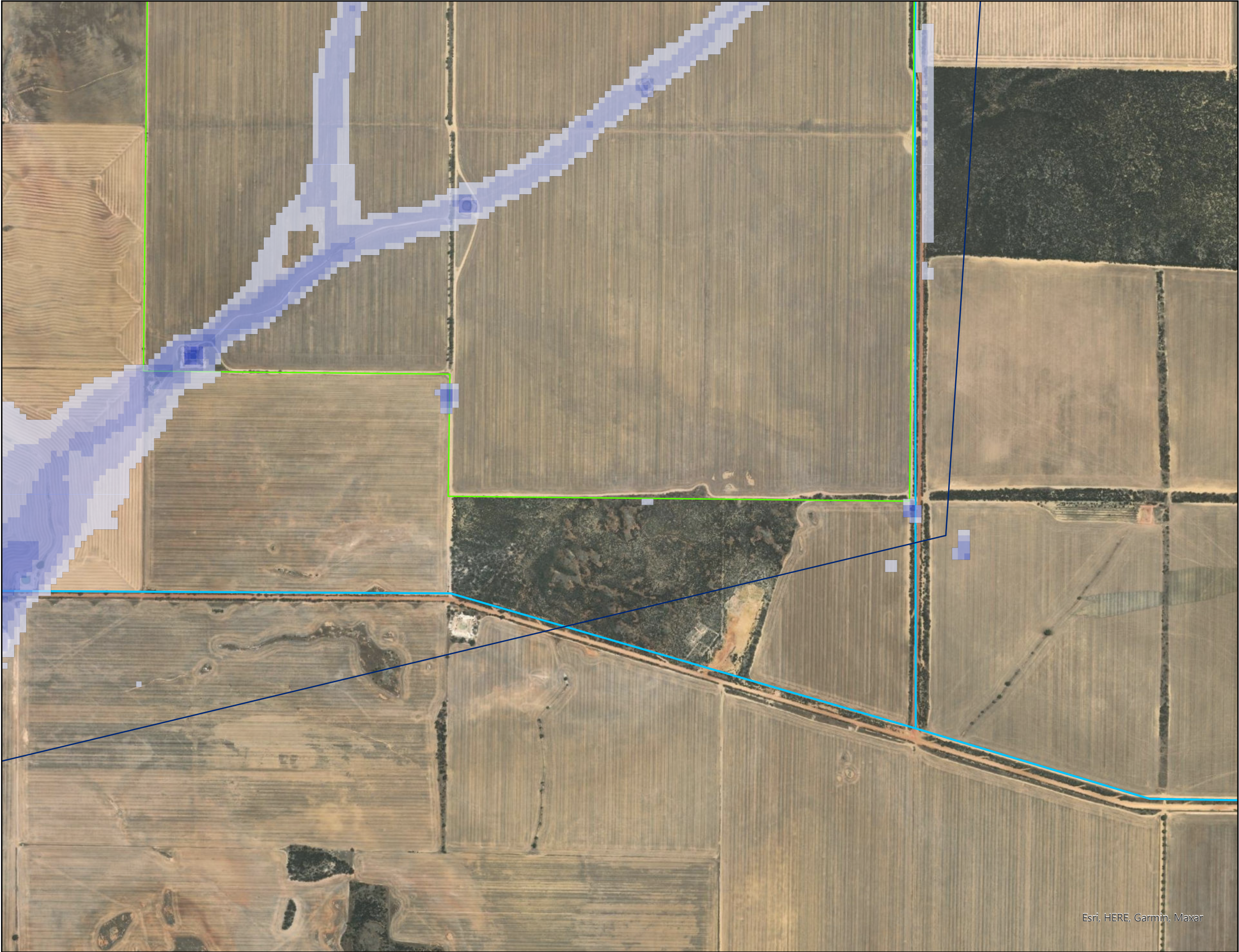
EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
2% AEP - Flood Hazard

Appendix D – 1% AEP Flood Maps



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

0.50 - 1.0

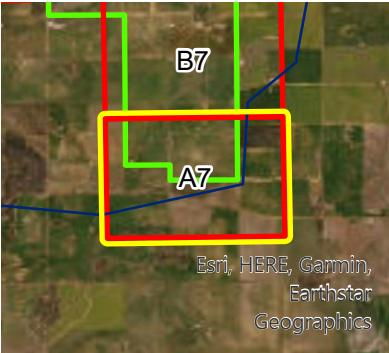
1.00 - 2.0

> 2.0

Collgar Wind Farm layout

Project Area

Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
1% AEP - Flood Depth



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

0.50 - 1.0

1.00 - 2.0

Collgar Wind Farm layout

Wind Turbine Locations

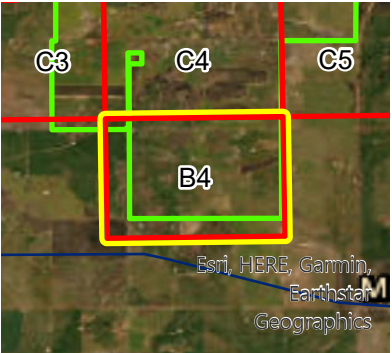
Hardstands

Access Road - Corridor

Access Road - Centreline

Project Area

Existing Road Network



Esri, HERE, Garmin, Maxar



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

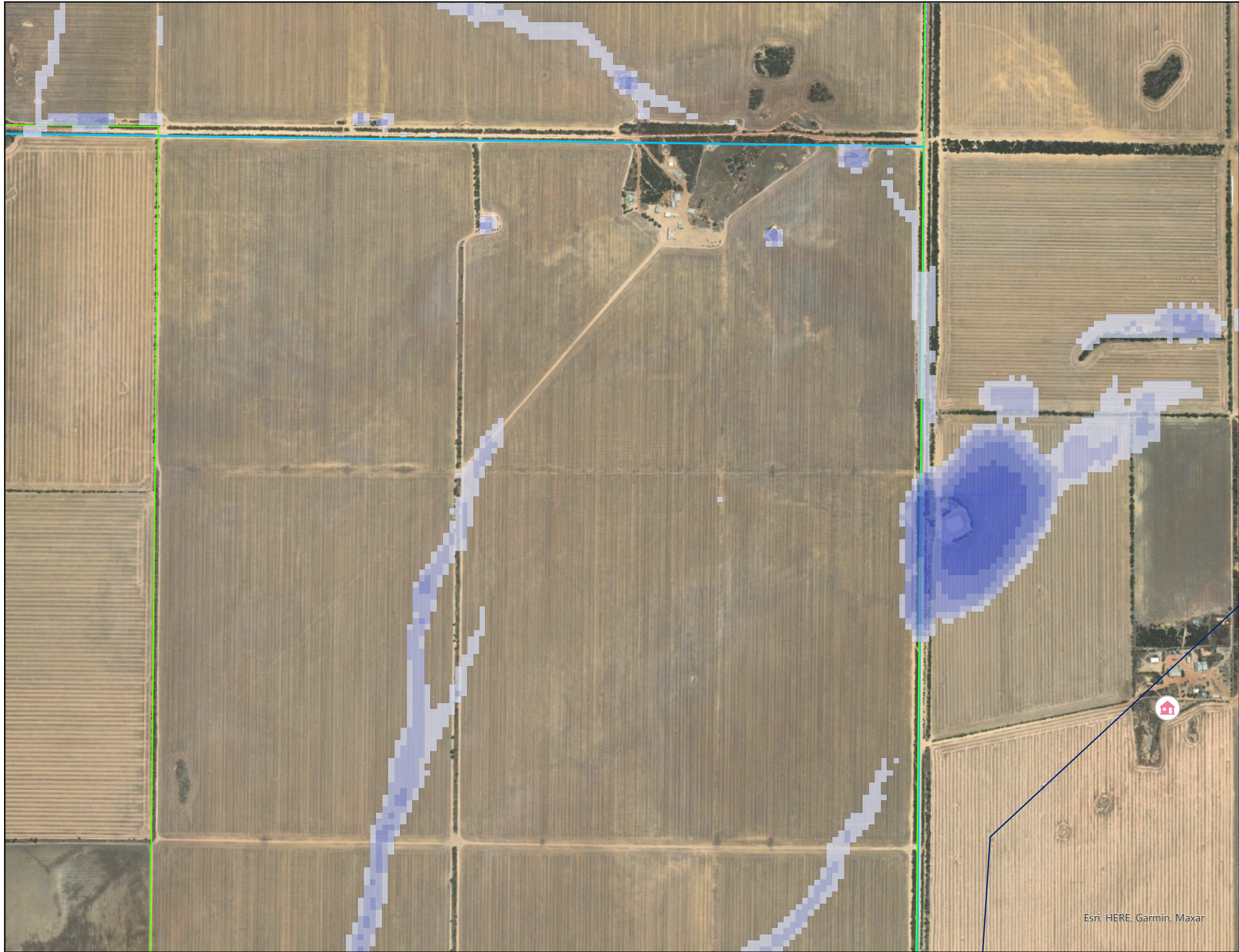
27/8/2025

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Collgar Wind Farm - Existing
1% AEP - Flood Depth

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Rev A



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

0.50 - 1.0

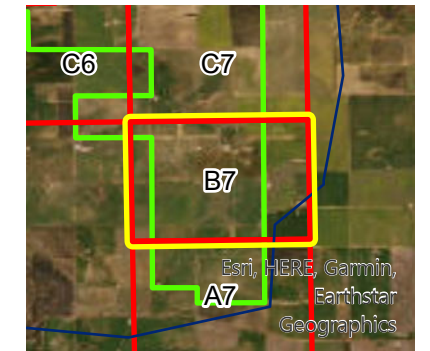
1.00 - 2.0

Collgar Wind Farm layout

Dwellings

Project Area

Existing Road Network



Esri, HERE, Garmin, Maxar

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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

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528866

Collgar Wind Farm - Existing

1% AEP - Flood Depth



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

0.50 - 1.0

1.00 - 2.0

> 2.0

Collgar Wind Farm layout

Wind Turbine Locations

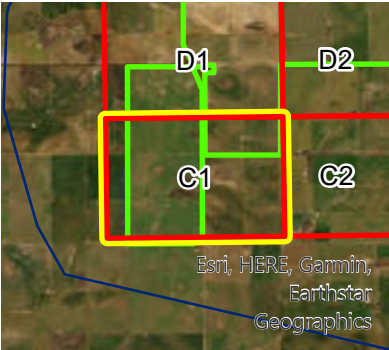
Hardstands

Access Road - Corridor

Access Road - Centreline

Project Area

Existing Road Network



Esri, HERE, Garmin, Maxar

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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

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**Collgar Wind Farm - Existing
1% AEP - Flood Depth**



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

0.50 - 1.0

1.00 - 2.0

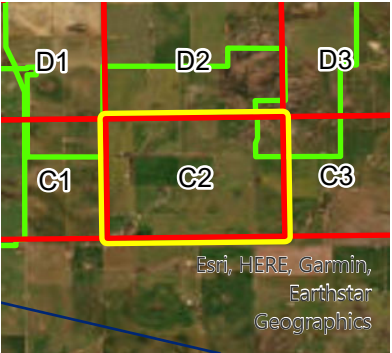
> 2.0

Collgar Wind Farm layout

Project Area

Protected Areas

Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

**Collgar Wind Farm - Existing
1% AEP - Flood Depth**



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

0.50 - 1.0

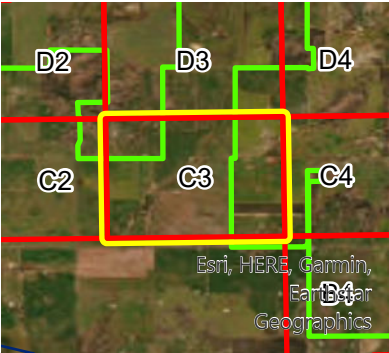
1.00 - 2.0

Collgar Wind Farm layout

Dwellings

Project Area

Protected Areas



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
1% AEP - Flood Depth



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

0.50 - 1.0

1.00 - 2.0

Collgar Wind Farm layout

Wind Turbine Locations

Hardstands

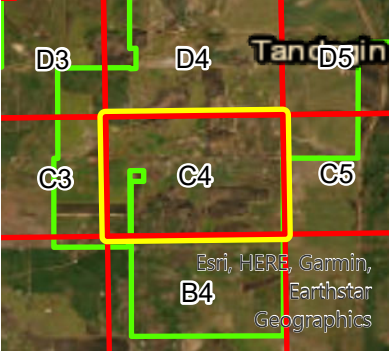
Access Road - Corridor

Access Road - Centreline

Project Area

Protected Areas

Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

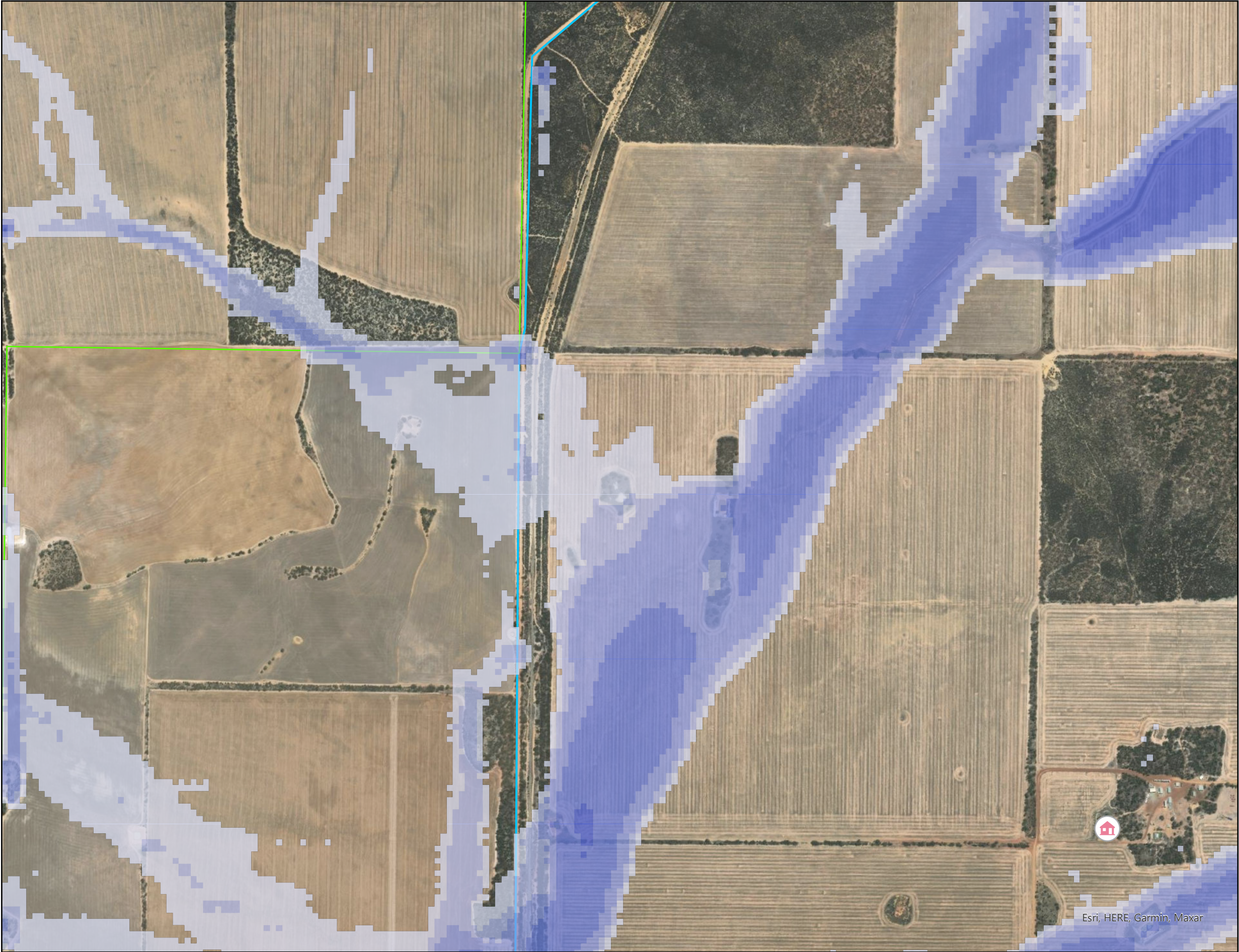
27/8/2025

528866

WTG044

Esri, HERE, Garmin, Maxar

Collgar Wind Farm - Existing
1% AEP - Flood Depth



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

0.50 - 1.0

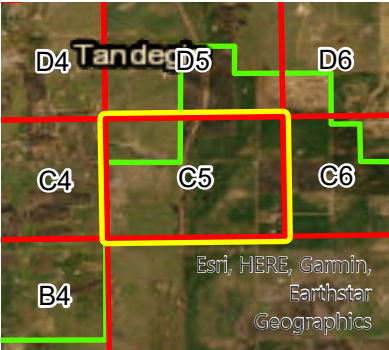
1.00 - 2.0

Collgar Wind Farm layout

Dwellings

Project Area

Existing Road Network



DRAFT

Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
1% AEP - Flood Depth



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

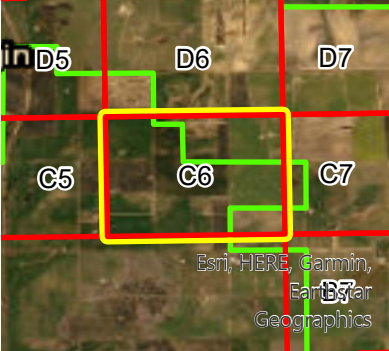
0.20 - 0.5

0.50 - 1.0

1.00 - 2.0

Collgar Wind Farm layout

Project Area



Esri, HERE, Garmin, Maxar

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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
1% AEP - Flood Depth



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

0.50 - 1.0

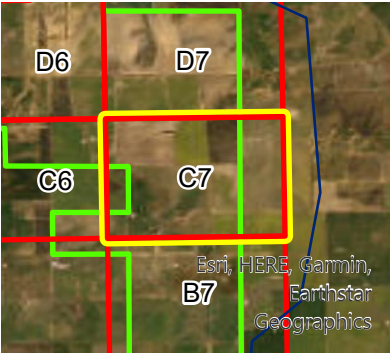
1.00 - 2.0

> 2.0

Collgar Wind Farm layout

Project Area

Existing Road Network



Esri, HERE, Garmin, Maxar

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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
1% AEP - Flood Depth



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

0.50 - 1.0

1.00 - 2.0

Collgar Wind Farm layout

Wind Turbine Locations

Hardstands

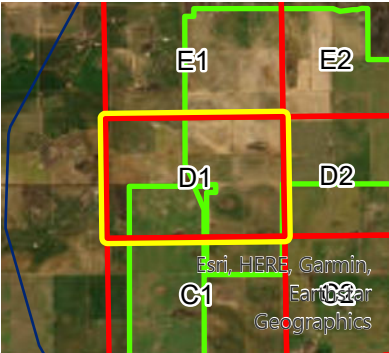
Access Road - Corridor

Access Road - Centreline

Project Area

Protected Areas

Existing Road Network



DRAFT

Rev A



0 2,500 5,000 10,000 m

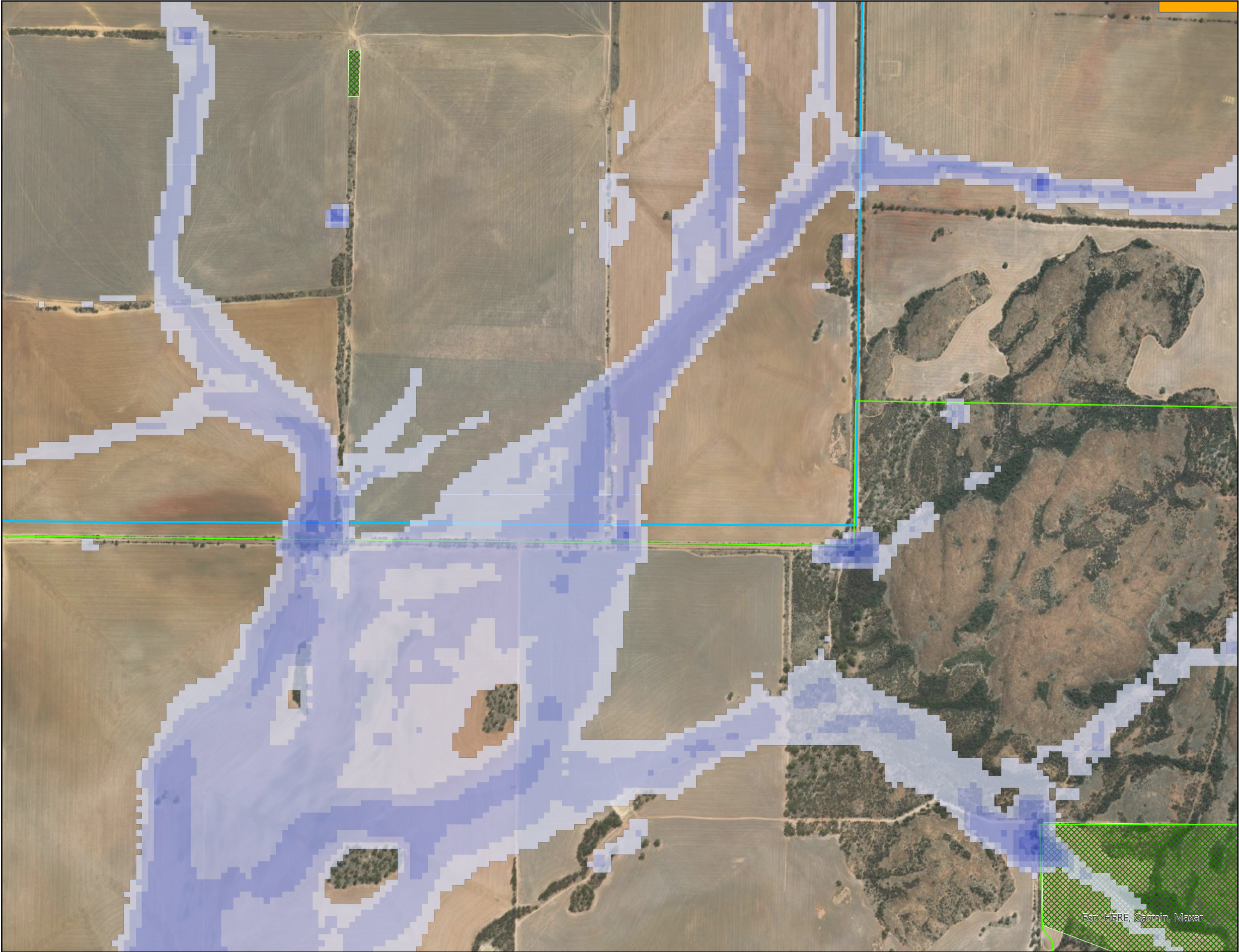
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EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
1% AEP - Flood Depth



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

0.50 - 1.0

1.00 - 2.0

> 2.0

Collgar Wind Farm layout

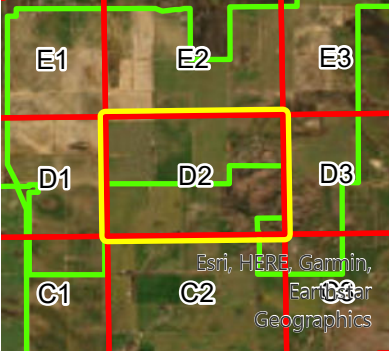
Hardstands

Substation Location

Project Area

Protected Areas

Existing Road Network



DRAFT

Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
1% AEP - Flood Depth



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

0.50 - 1.0

1.00 - 2.0

> 2.0

Collgar Wind Farm layout

Wind Turbine Locations

Hardstands

Substation Location

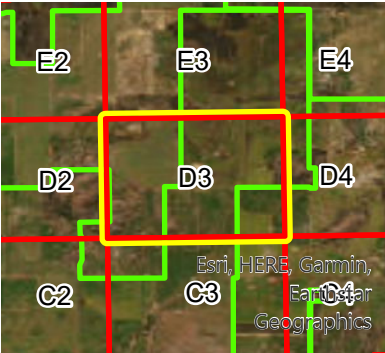
Access Road - Corridor

Access Road - Centreline

Project Area

Protected Areas

Existing Road Network



DRAFT

Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
1% AEP - Flood Depth



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

0.50 - 1.0

1.00 - 2.0

Collgar Wind Farm layout

Wind Turbine Locations

Hardstands

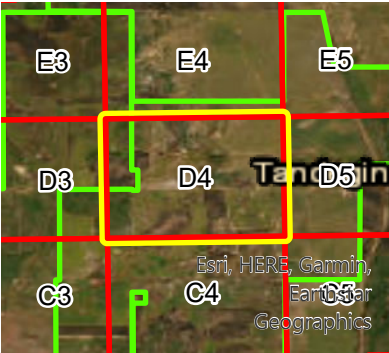
Access Road - Corridor

Access Road - Centreline

Project Area

Protected Areas

Existing Road Network



DRAFT

Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
1% AEP - Flood Depth



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

0.50 - 1.0

1.00 - 2.0

> 2.0

Collgar Wind Farm layout

Wind Turbine Locations

Hardstands

Dwellings

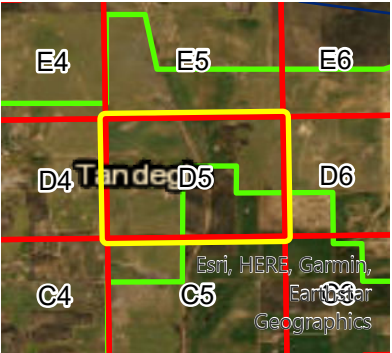
Access Road - Corridor

Access Road - Centreline

Project Area

Protected Areas

Existing Road Network



DRAFT

Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
1% AEP - Flood Depth



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

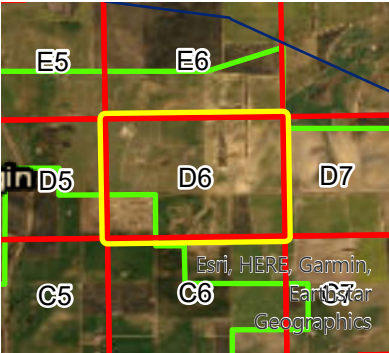
0.50 - 1.0

Collgar Wind Farm layout

Project Area

Protected Areas

Existing Road Network



DRAFT

Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
1% AEP - Flood Depth



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

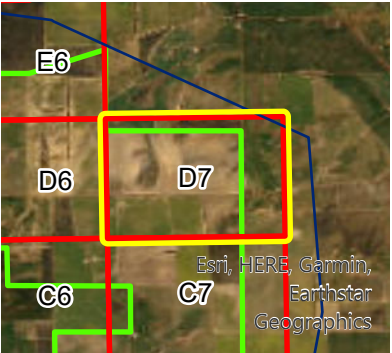
0.20 - 0.5

0.50 - 1.0

Collgar Wind Farm layout

Project Area

Existing Road Network



Esri, HERE, Garmin, Maxar

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Rev A



0 2,500 5,000 10,000 m

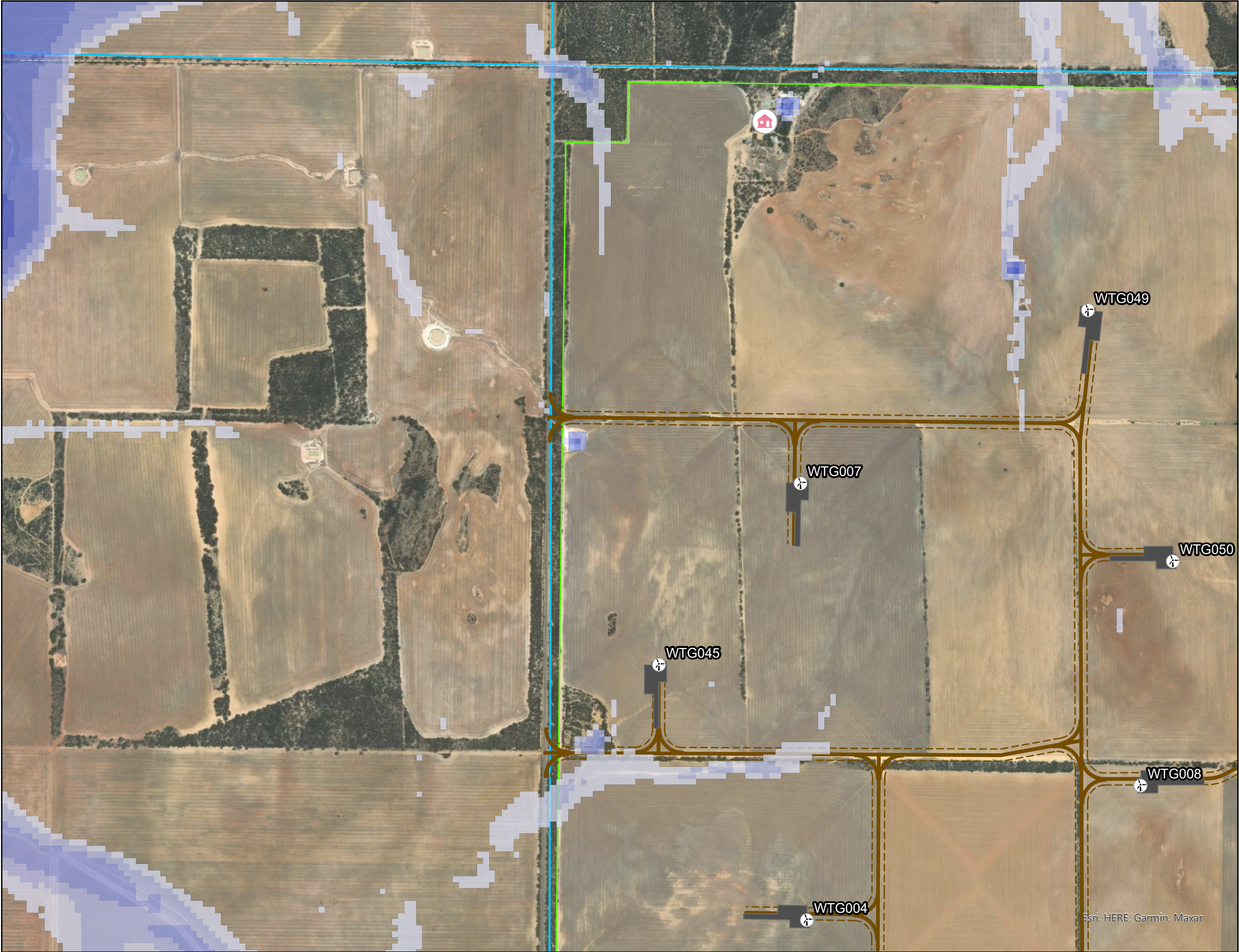
A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
1% AEP - Flood Depth



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

0.50 - 1.0

1.00 - 2.0

> 2.0

Collgar Wind Farm layout

Wind Turbine Locations

Hardstands

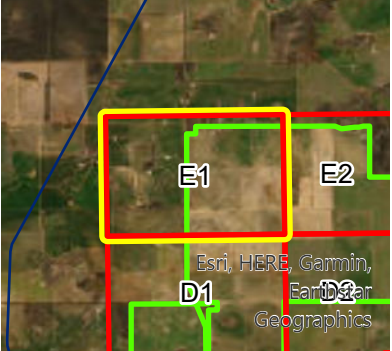
Dwellings

Access Road - Corridor

Access Road - Centreline

Project Area

Existing Road Network



DRAFT

Rev A



0 2,500 5,000 10,000 m

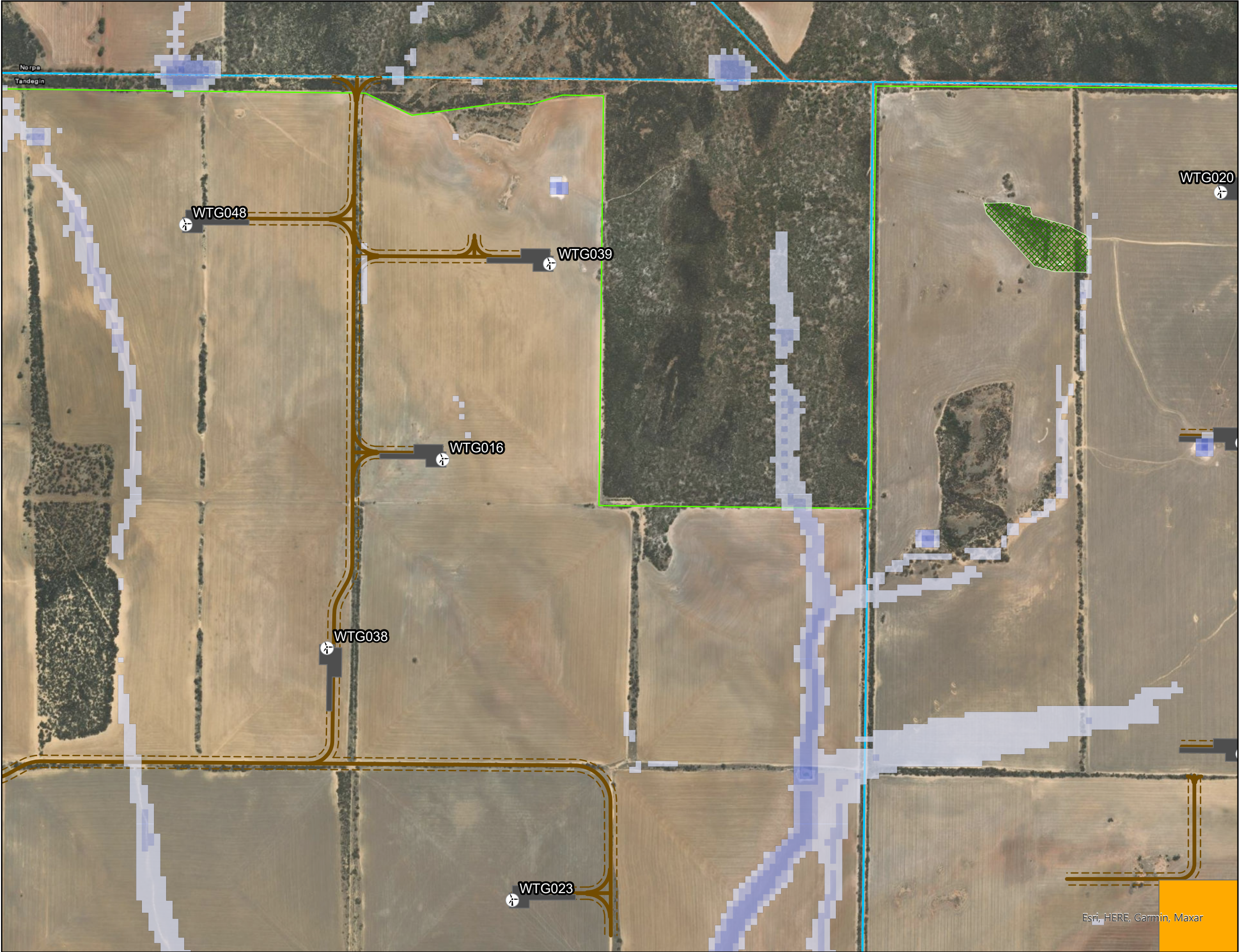
A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

**Collgar Wind Farm - Existing
1% AEP - Flood Depth**



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

0.50 - 1.0

1.00 - 2.0

Collgar Wind Farm layout

Wind Turbine Locations

Hardstands

Substation Location

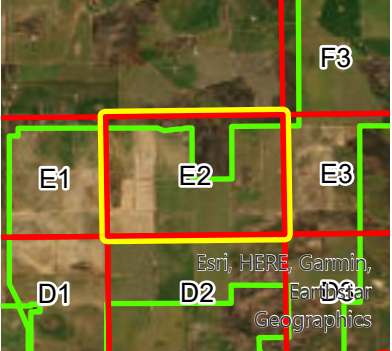
Access Road - Corridor

Access Road - Centreline

Project Area

Protected Areas

Existing Road Network



Esri, HERE, Garmin, Maxar

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Rev A



0 2,500 5,000 10,000 m

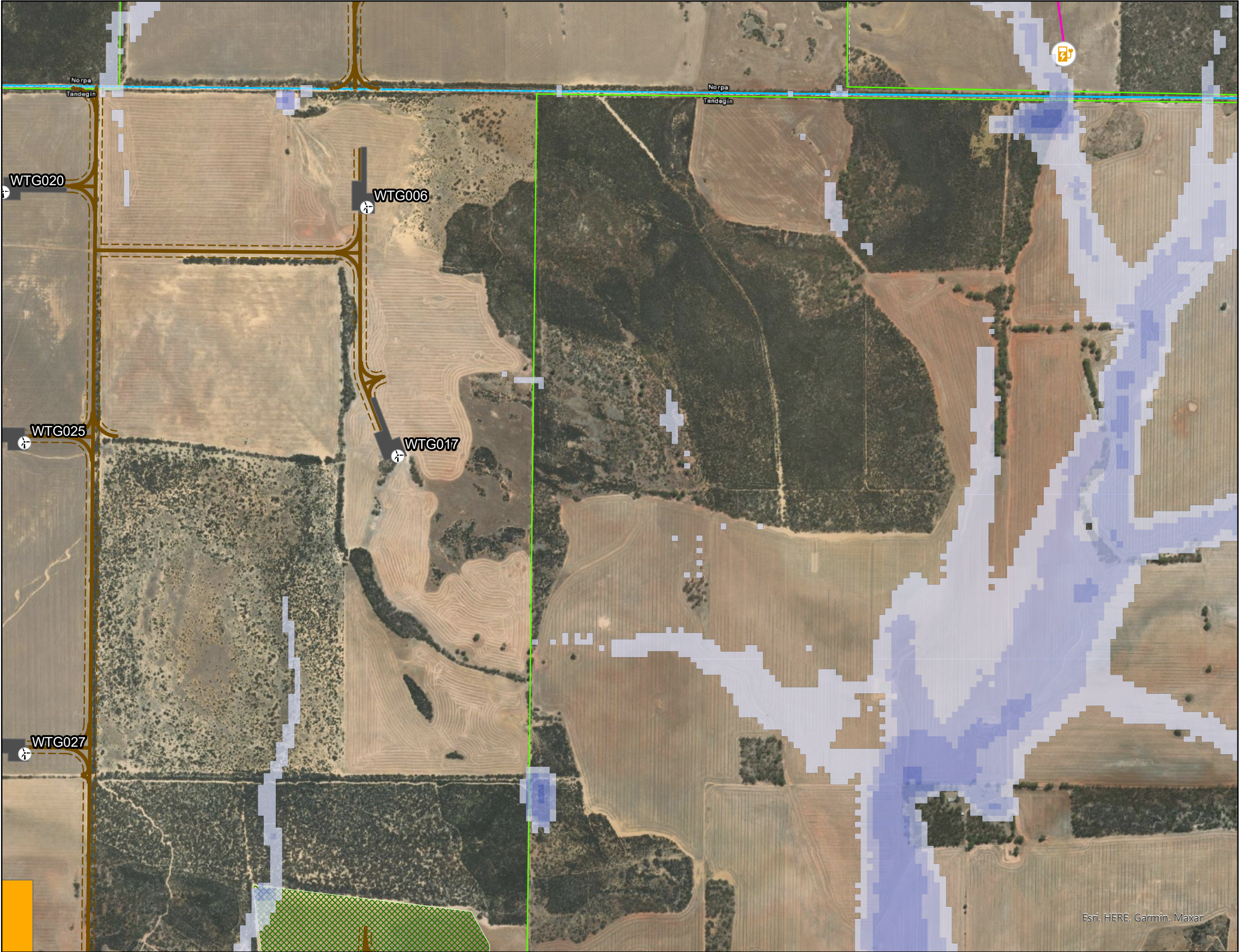
A3 Scale: 1:12,500

EPSG:7850

27/8/2025

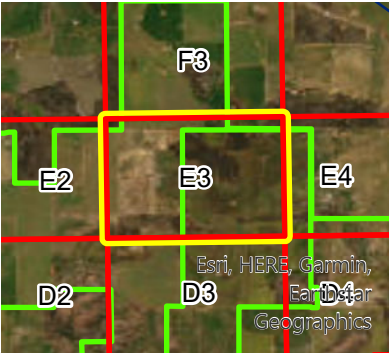
528866

Collgar Wind Farm - Existing
1% AEP - Flood Depth



Legend

- Hydraulic Model Boundary
- Flood Depth (m)
 - < 0.05
 - 0.05 - 0.10
 - 0.10 - 0.20
 - 0.20 - 0.5
 - 0.50 - 1.0
- Collgar Wind Farm layout
 - Wind Turbine Locations
 - Hardstands
 - Substation Location
 - Substation
 - OHTL 220kV
 - Access Road - Corridor
 - Access Road - Centreline
 - Project Area
 - Protected Areas
 - Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

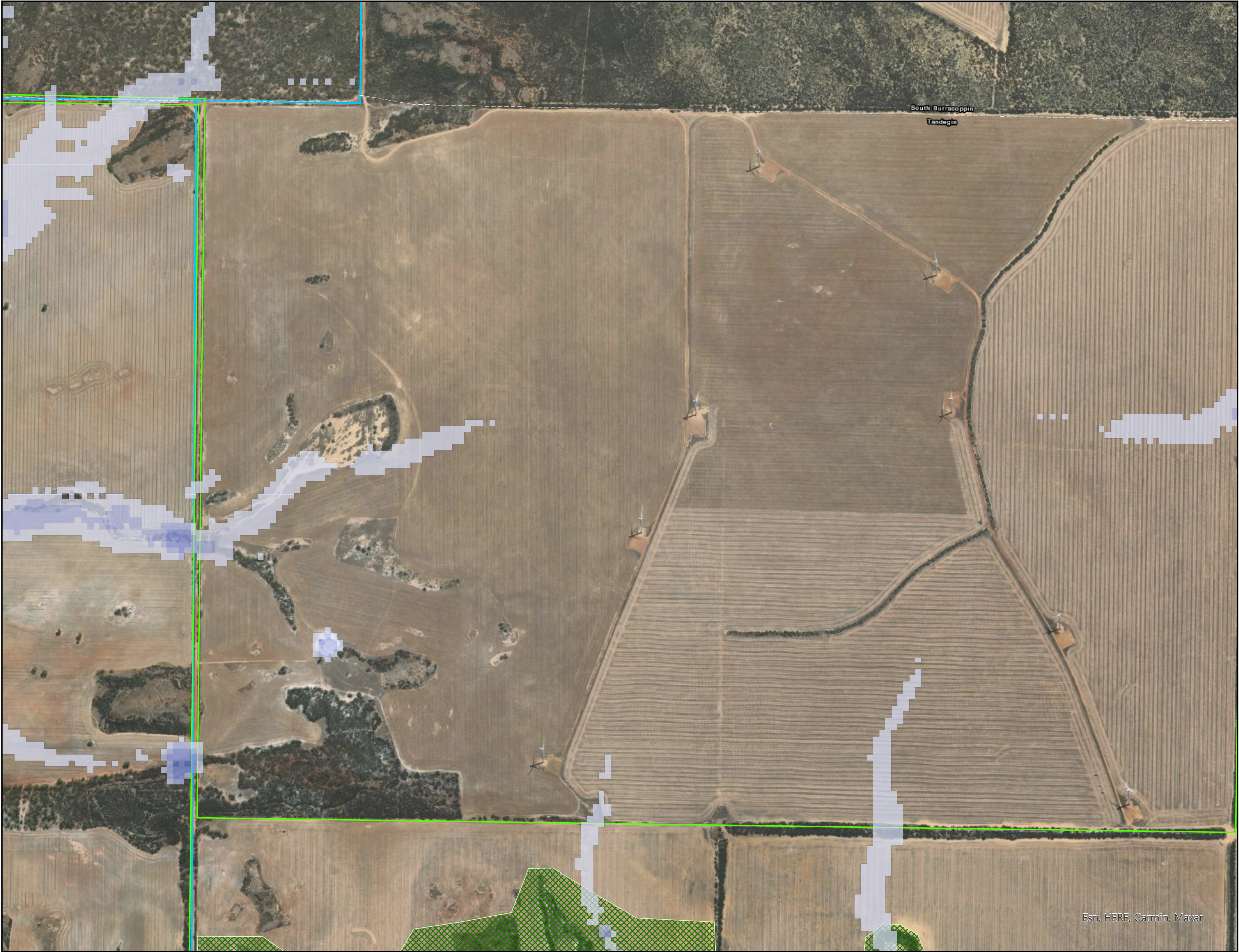
A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
1% AEP - Flood Depth



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

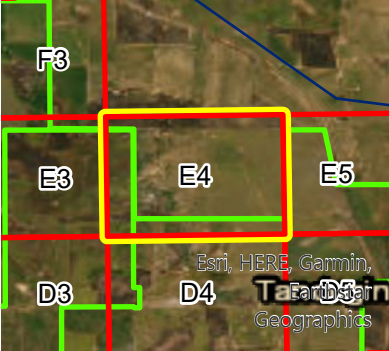
0.50 - 1.0

Collgar Wind Farm layout

Project Area

Protected Areas

Existing Road Network



Esri, HERE, Garmin, Maxar

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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
1% AEP - Flood Depth



Legend

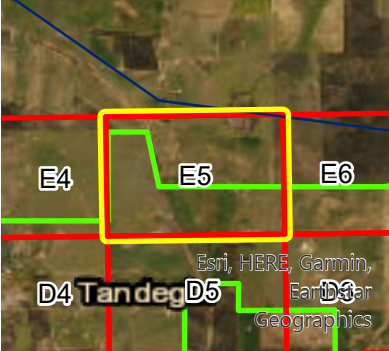
Hydraulic Model Boundary

Flood Depth (m)

- < 0.05
- 0.05 - 0.10
- 0.10 - 0.20
- 0.20 - 0.5
- 0.50 - 1.0
- 1.00 - 2.0
- > 2.0

Collgar Wind Farm layout

- Project Area
- Protected Areas
- Existing Road Network



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

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Collgar Wind Farm - Existing
1% AEP - Flood Depth

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Rev A



Legend

Hydraulic Model Boundary

Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

0.50 - 1.0

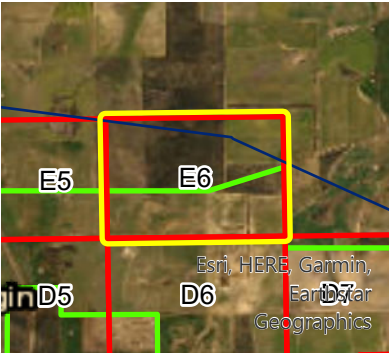
1.00 - 2.0

Collgar Wind Farm layout

Project Area

Protected Areas

Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

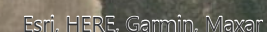
A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

**Collgar Wind Farm - Existing
1% AEP - Flood Depth**



Flood Depth (m)

< 0.05

0.05 - 0.10

0.10 - 0.20

0.20 - 0.5

0.50 - 1.0

■ 1.00 - 2.0

■ ≥ 20

Collgar Wind Farm layout

 Wind Turbine Locations

 Hardstands

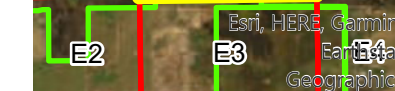
— OHTL 220kV

 Dwellings

--- Access Road - Corridor

— Access Road - Centreline

 Project Area



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Rev A

A horizontal number line with tick marks at 0, 2,500, 5,000, and 10,000 m.

A3 Scale: 1:12,500

EPSG:7850

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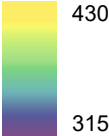
528866



Legend

Hydraulic Model Boundary

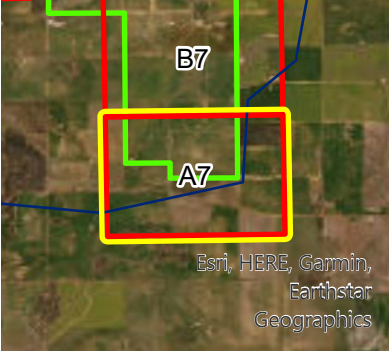
Water Level (m AHD)



Collgar Wind Farm layout

Project Area

Existing Road Network



Esri, HERE, Garmin, Maxar

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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

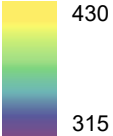
Collgar Wind Farm - Existing
1% AEP - Flood Level



Legend

Hydraulic Model Boundary

Water Level (m AHD)



Collgar Wind Farm layout

Wind Turbine Locations

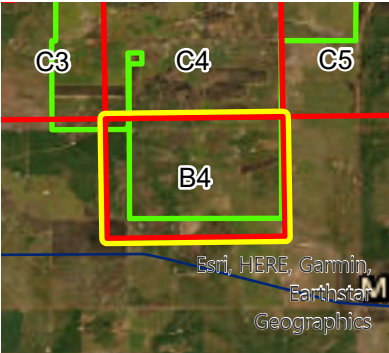
Hardstands

Access Road - Corridor

Access Road - Centreline

Project Area

Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

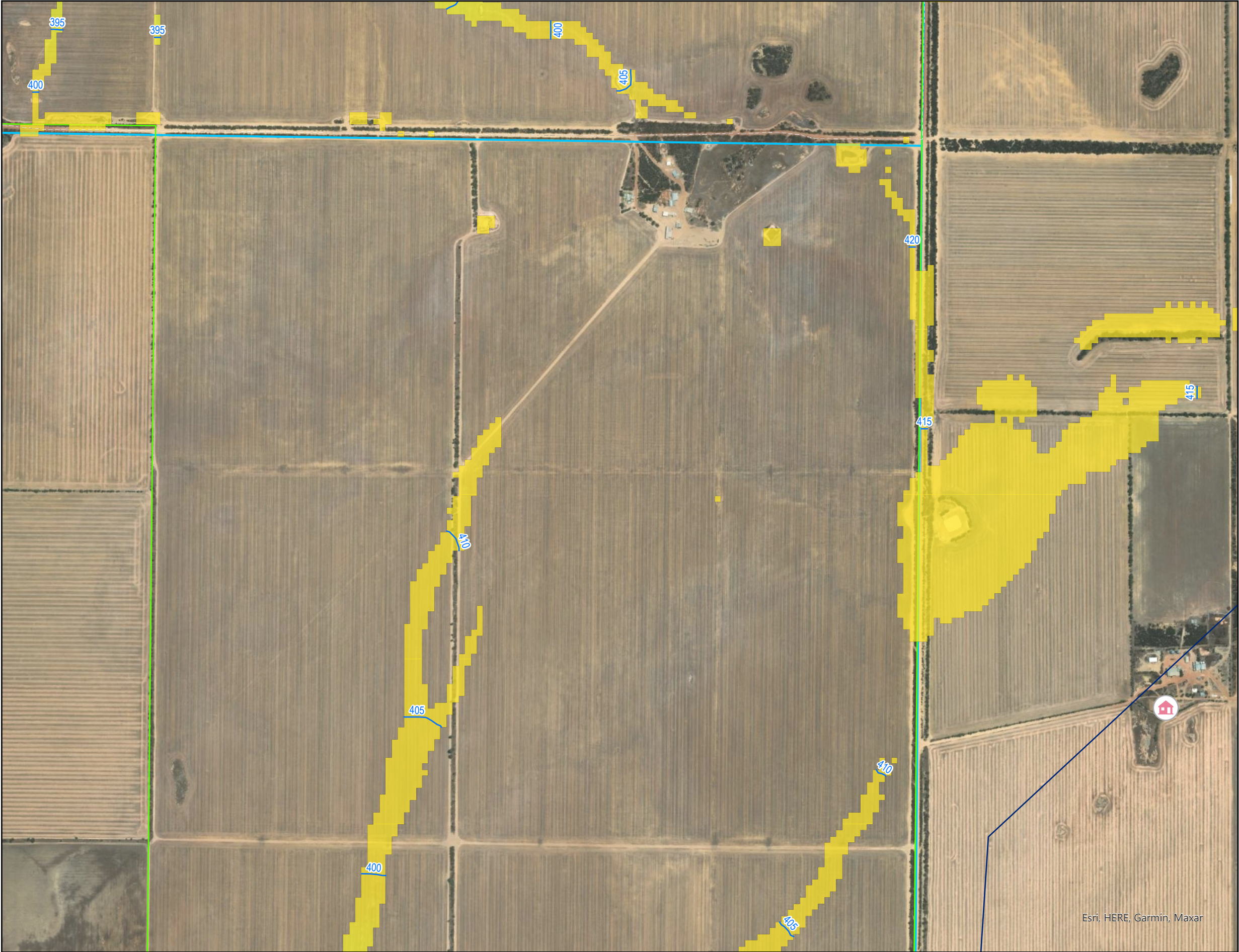
A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

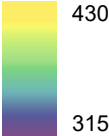
Collgar Wind Farm - Existing
1% AEP - Flood Level



Legend

Hydraulic Model Boundary

Water Level (m AHD)

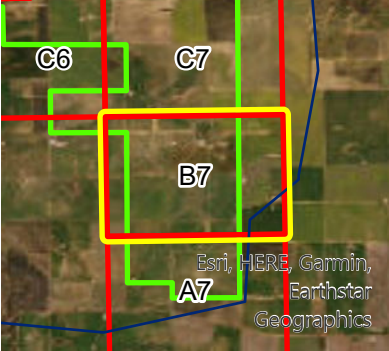


Collgar Wind Farm layout

Dwellings

Project Area

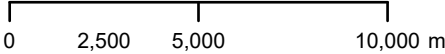
Existing Road Network



Esri, HERE, Garmin, Maxar

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Rev A



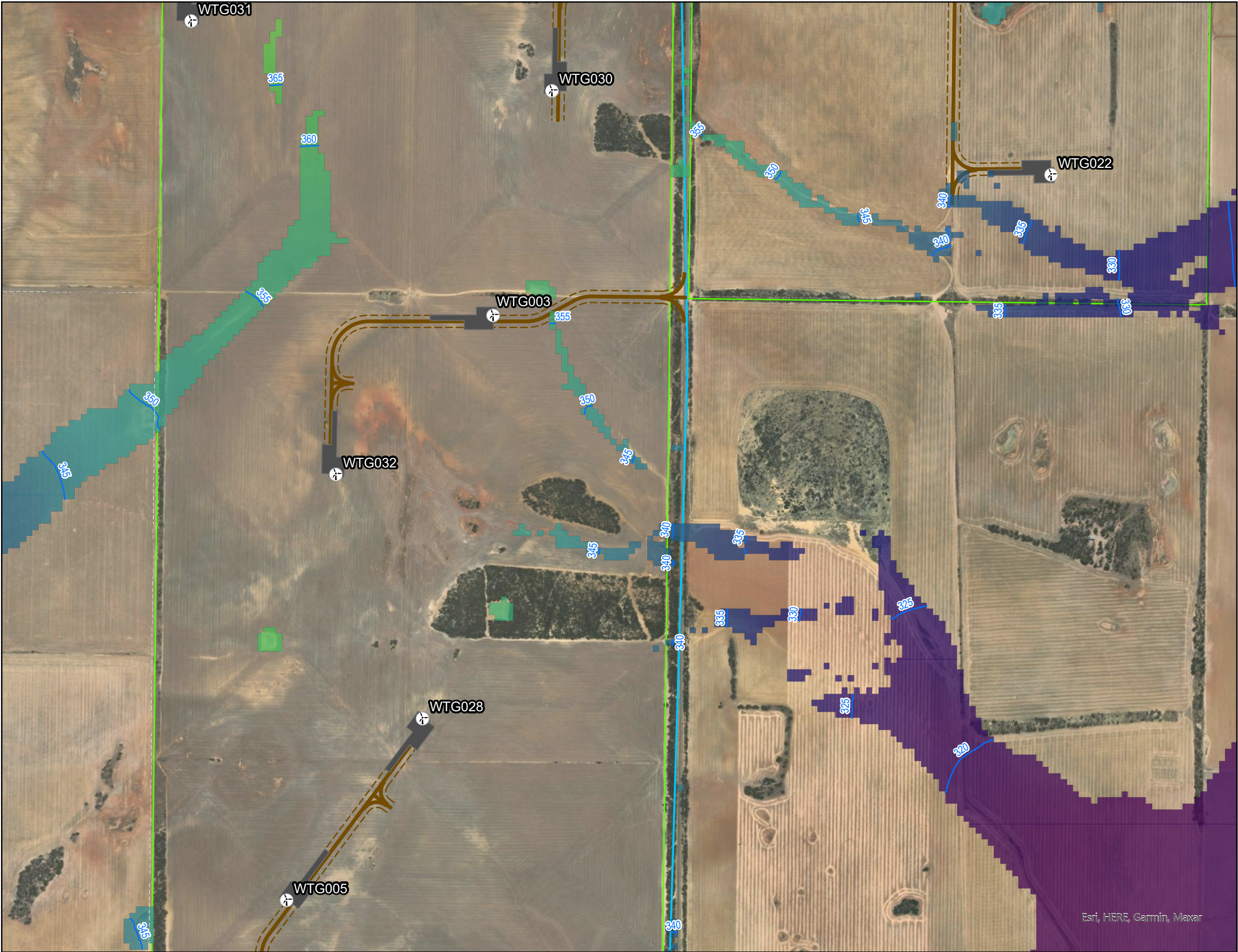
A3 Scale: 1:12,500

EPSG:7850

27/8/2025

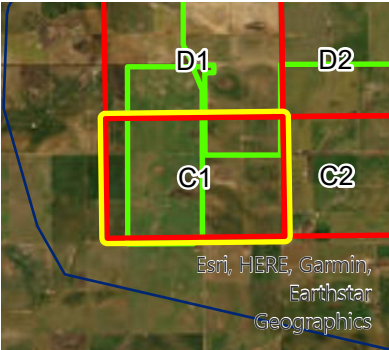
528866

Collgar Wind Farm - Existing
1% AEP - Flood Level



Legend

- Hydraulic Model Boundary
- Water Level (m AHD)
 - 430
 - 315
- Collgar Wind Farm layout
 - Wind Turbine Locations
 - Hardstands
 - Access Road - Corridor
 - Access Road - Centreline
 - Project Area
 - Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

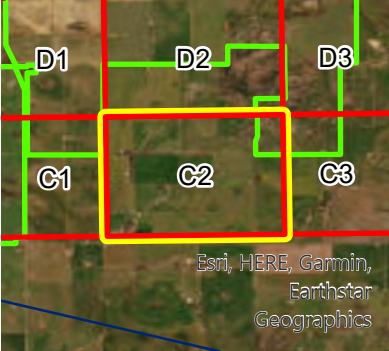
528866

Collgar Wind Farm - Existing
1% AEP - Flood Level



Legend

- Hydraulic Model Boundary
- Water Level (m AHD)
 - 430
 - 315
- Collgar Wind Farm layout
 - Project Area
 - Protected Areas
 - Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

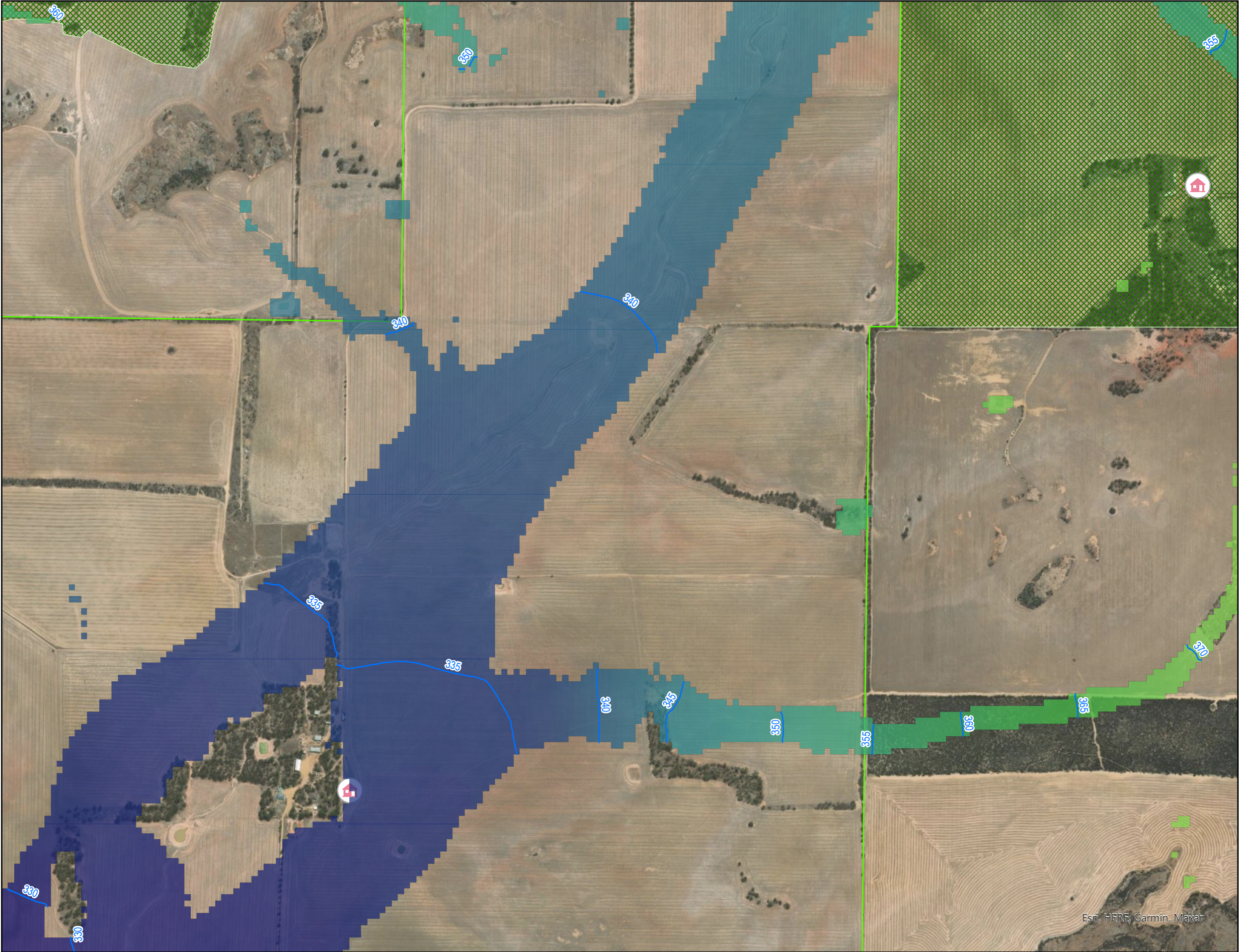
A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

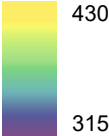
Collgar Wind Farm - Existing
1% AEP - Flood Level



Legend

Hydraulic Model Boundary

Water Level (m AHD)

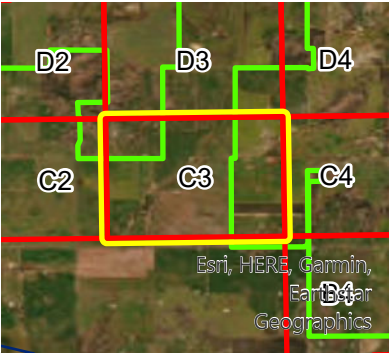


Collgar Wind Farm layout

Dwellings

Project Area

Protected Areas



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Rev A



0 2,500 5,000 10,000 m

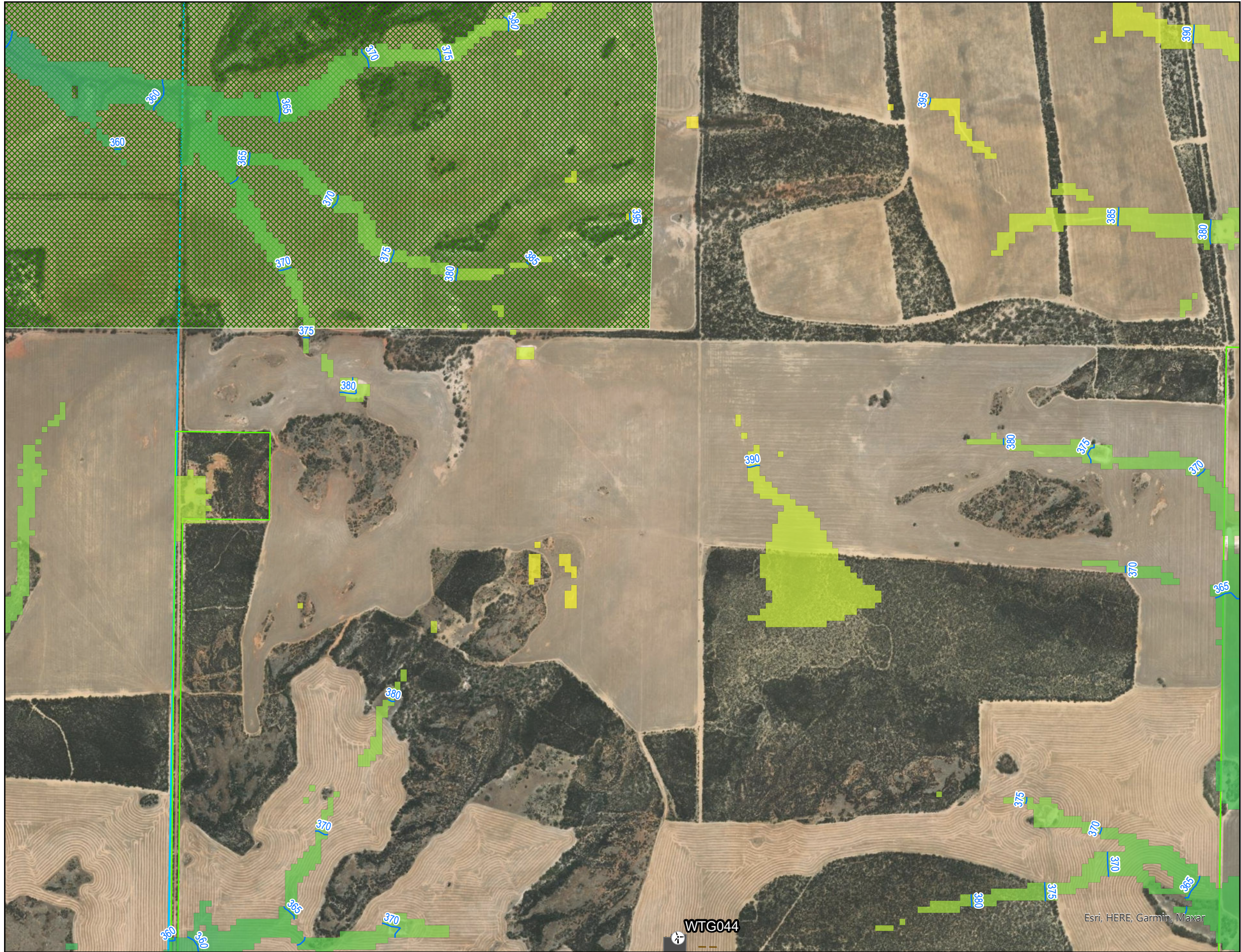
A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

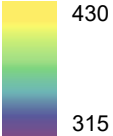
Collgar Wind Farm - Existing
1% AEP - Flood Level



Legend

Hydraulic Model Boundary

Water Level (m AHD)



Collgar Wind Farm layout

Wind Turbine Locations

Hardstands

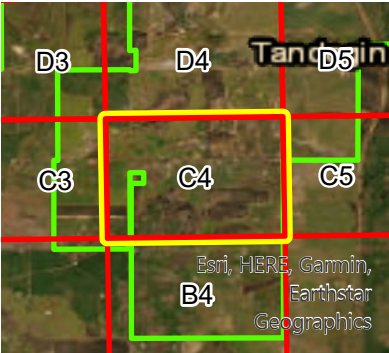
Access Road - Corridor

Access Road - Centreline

Project Area

Protected Areas

Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

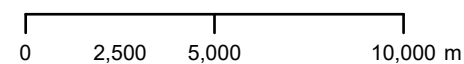
A3 Scale: 1:12,500

EPSG:7850

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Collgar Wind Farm - Existing
1% AEP - Flood Level



A3 Scale: 1:12,500

EPSG:7850

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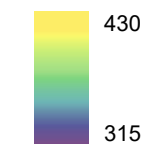
528866



Legend

 Hydraulic Model Boundary

Water Level (m AHD)

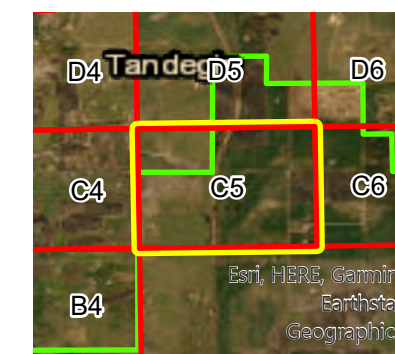


Collgar Wind Farm layout

 Dwellings

 Project Area

— Existing Road Network



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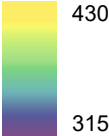
Rev A



Legend

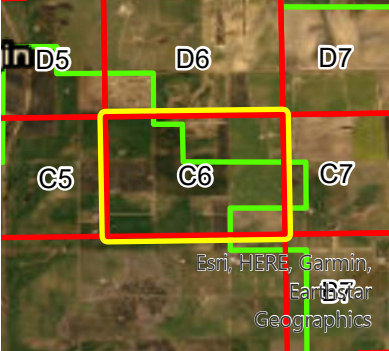
Hydraulic Model Boundary

Water Level (m AHD)



Collgar Wind Farm layout

Project Area



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

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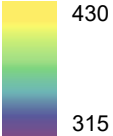
Collgar Wind Farm - Existing
1% AEP - Flood Level



Legend

Hydraulic Model Boundary

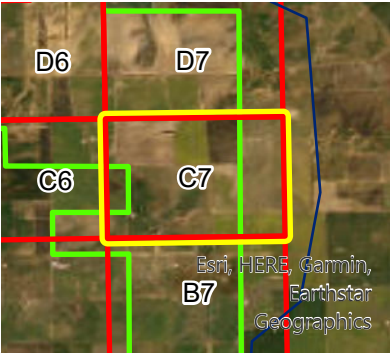
Water Level (m AHD)



Collgar Wind Farm layout

Project Area

Existing Road Network



Esri, HERE, Garmin, Maxar

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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

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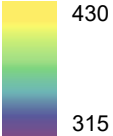
**Collgar Wind Farm - Existing
1% AEP - Flood Level**



Legend

Hydraulic Model Boundary

Water Level (m AHD)



Collgar Wind Farm layout

Wind Turbine Locations

Hardstands

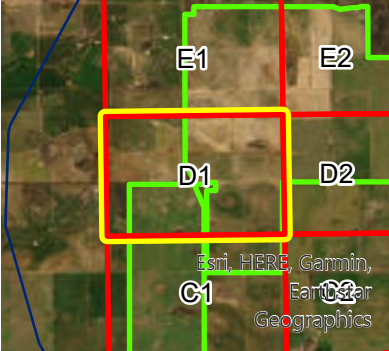
Access Road - Corridor

Access Road - Centreline

Project Area

Protected Areas

Existing Road Network



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Rev A

27/8/2025

528866

Collgar Wind Farm - Existing
1% AEP - Flood Level

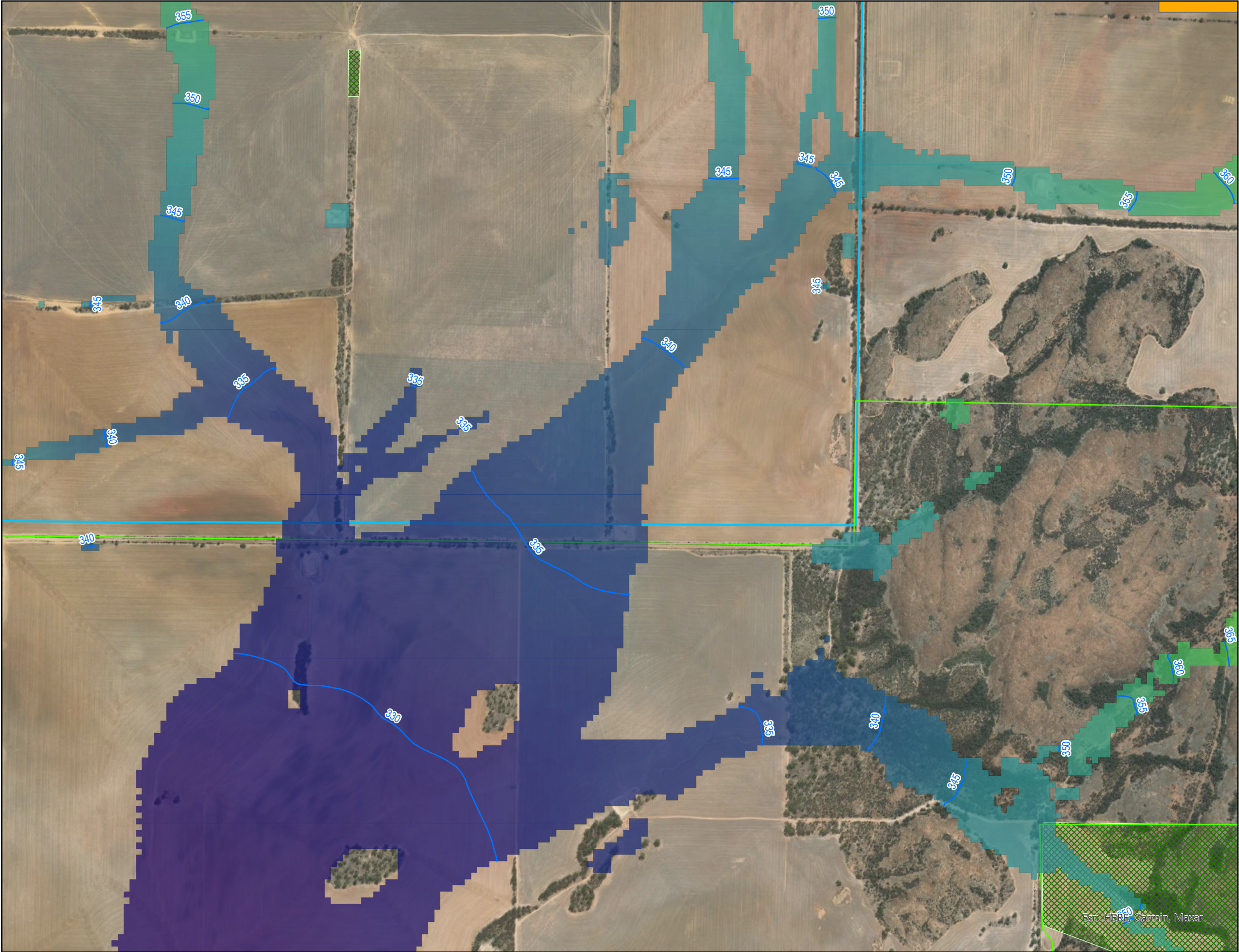


0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

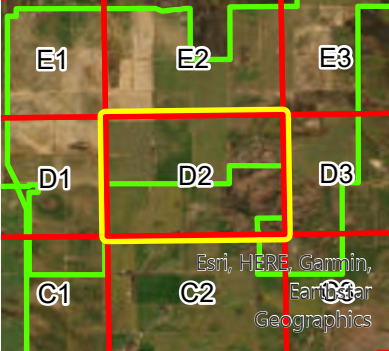
EPSG:7850

Esri, HERE, Garmin, Maxar



Legend

- Hydraulic Model Boundary
- Water Level (m AHD)
 - 430
 - 315
- Collgar Wind Farm layout
 - Hardstands
 - Substation Location
 - Project Area
 - Protected Areas
 - Existing Road Network



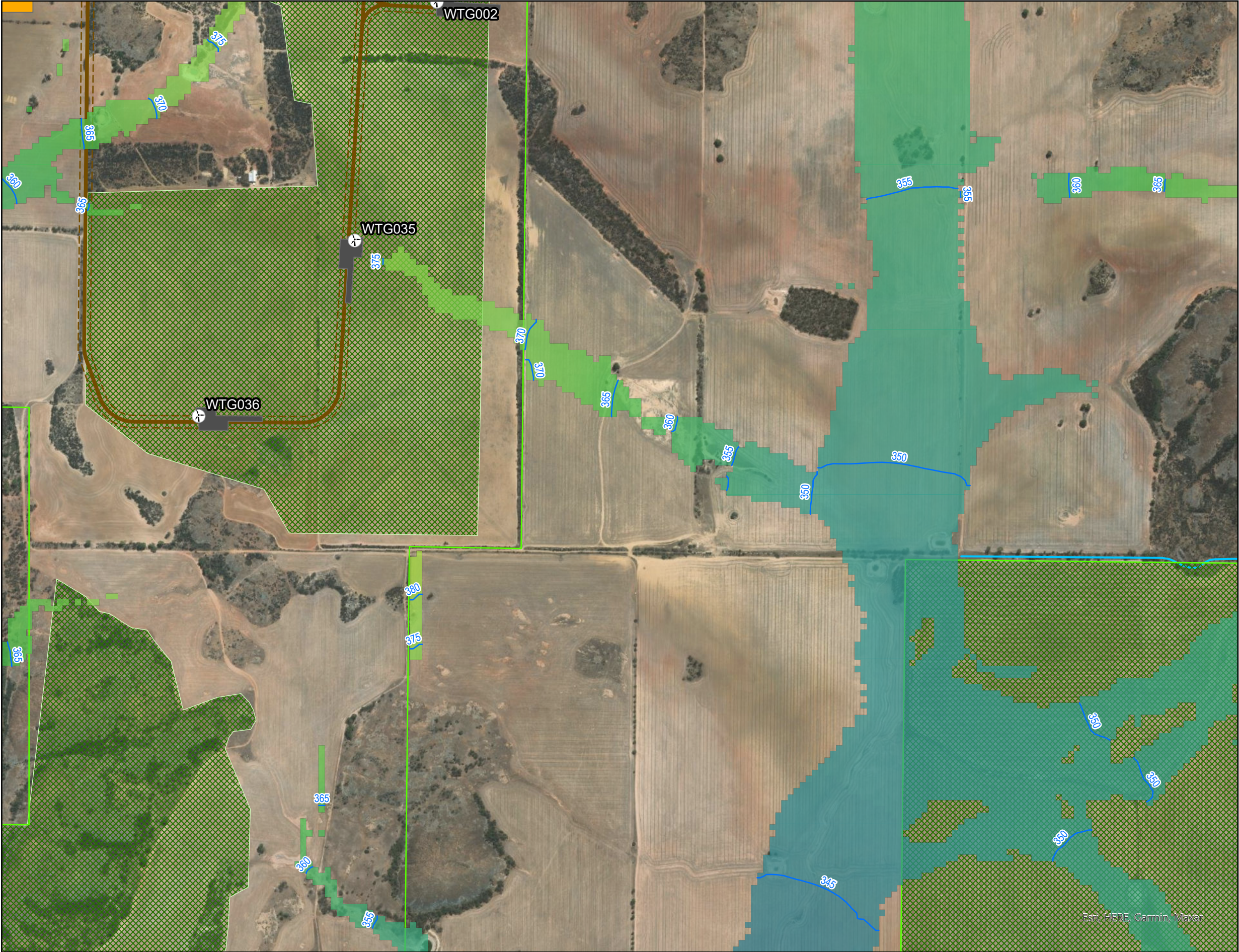
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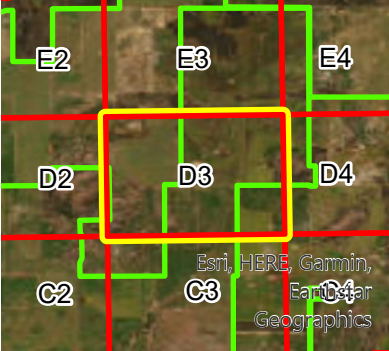
528866

Collgar Wind Farm - Existing
1% AEP - Flood Level



Legend

- Hydraulic Model Boundary
- Water Level (m AHD)
 - 430
 - 315
- Collgar Wind Farm layout
 - Wind Turbine Locations
 - Hardstands
 - Substation Location
 - Access Road - Corridor
 - Access Road - Centreline
 - Project Area
 - Protected Areas
 - Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

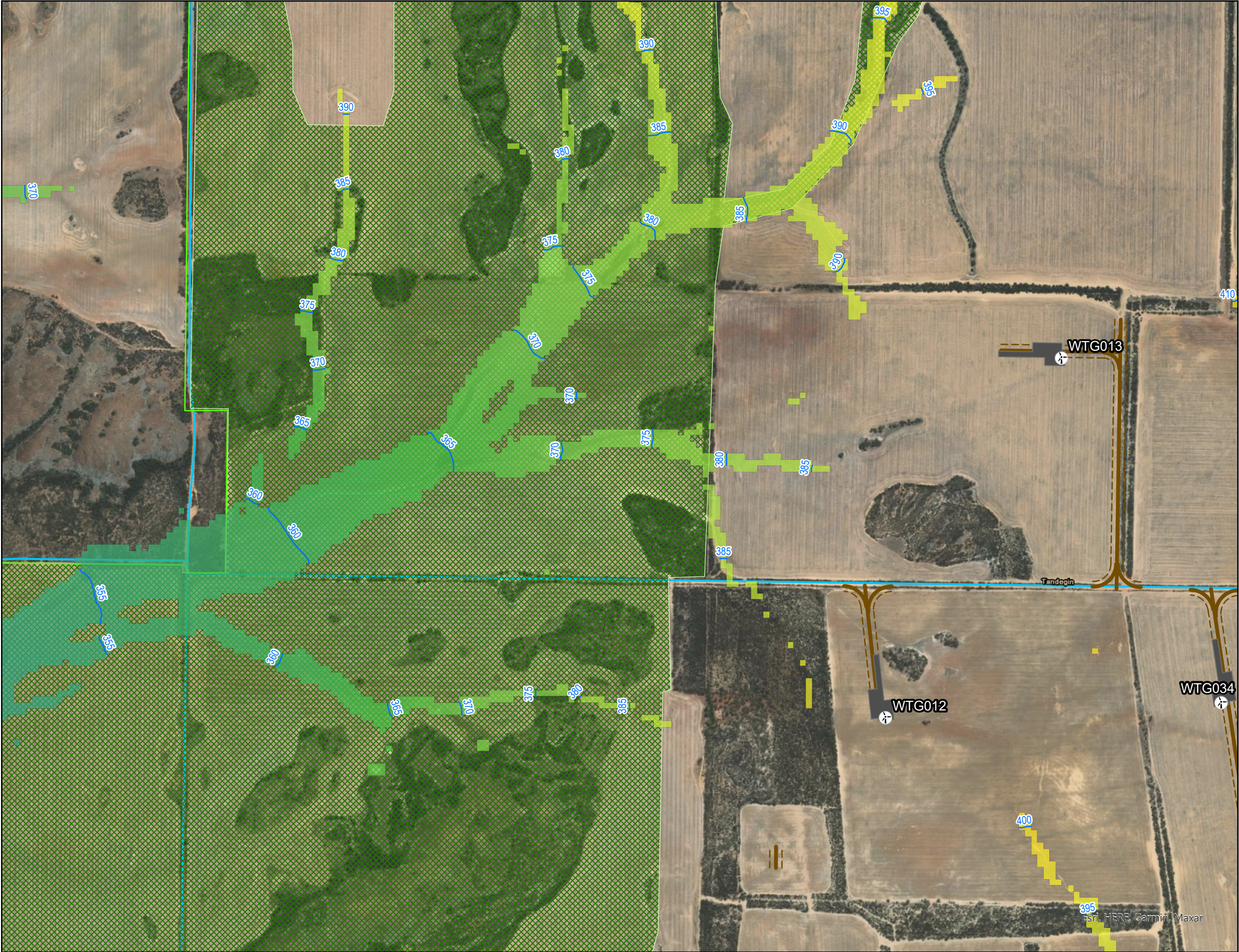
A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

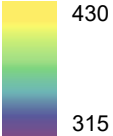
Collgar Wind Farm - Existing
1% AEP - Flood Level



Legend

Hydraulic Model Boundary

Water Level (m AHD)



Collgar Wind Farm layout

Wind Turbine Locations

Hardstands

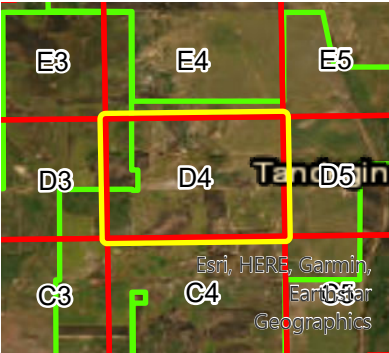
Access Road - Corridor

Access Road - Centreline

Project Area

Protected Areas

Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

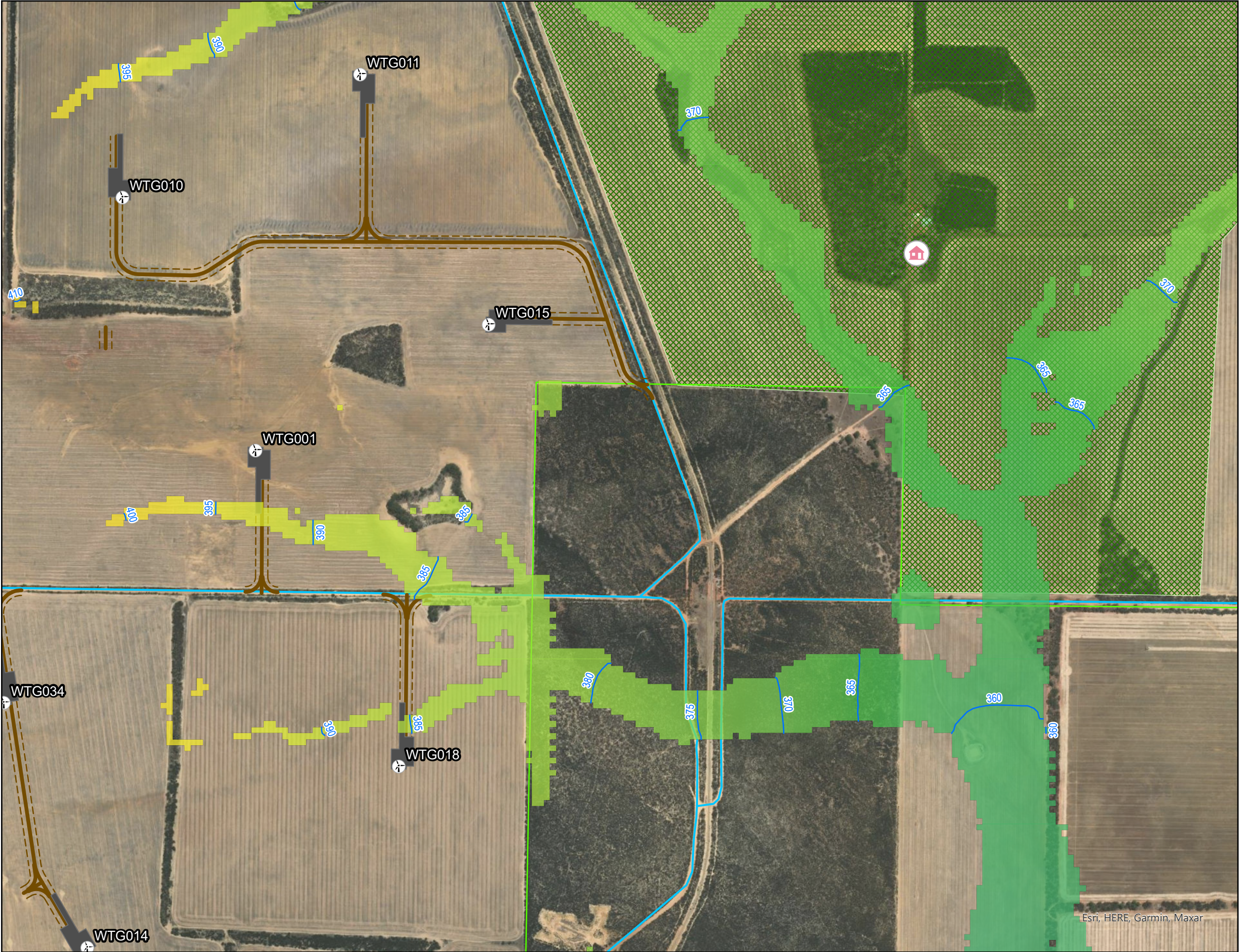
A3 Scale: 1:12,500

EPSG:7850

27/8/2025

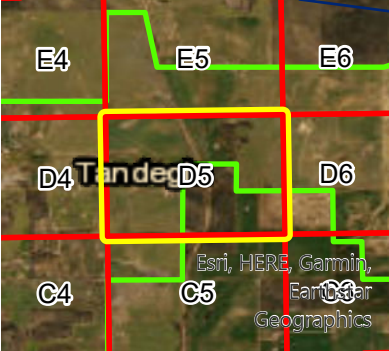
528866

**Collgar Wind Farm - Existing
1% AEP - Flood Level**



Legend

- Hydraulic Model Boundary
- Water Level (m AHD)
 - 430
 - 315
- Collgar Wind Farm layout**
 - Wind Turbine Locations
 - Hardstands
 - Dwellings
 - Access Road - Corridor
 - Access Road - Centreline
 - Project Area
 - Protected Areas
 - Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

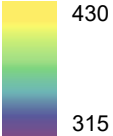
**Collgar Wind Farm - Existing
1% AEP - Flood Level**



Legend

Hydraulic Model Boundary

Water Level (m AHD)

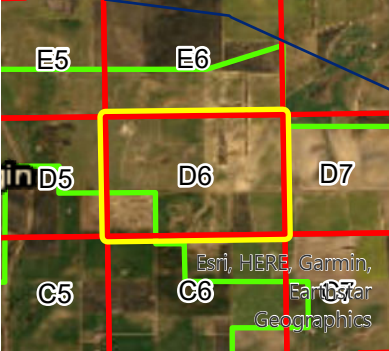


Collgar Wind Farm layout

Project Area

Protected Areas

Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

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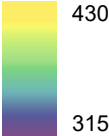
**Collgar Wind Farm - Existing
1% AEP - Flood Level**



Legend

Hydraulic Model Boundary

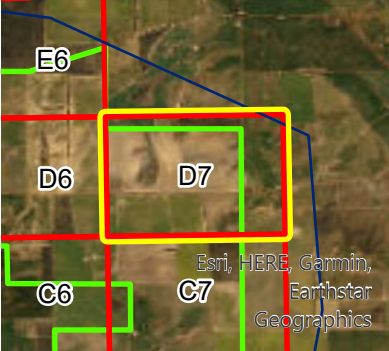
Water Level (m AHD)



Collgar Wind Farm layout

Project Area

Existing Road Network



Esri, HERE, Garmin, Maxar

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Rev A



0 2,500 5,000 10,000 m

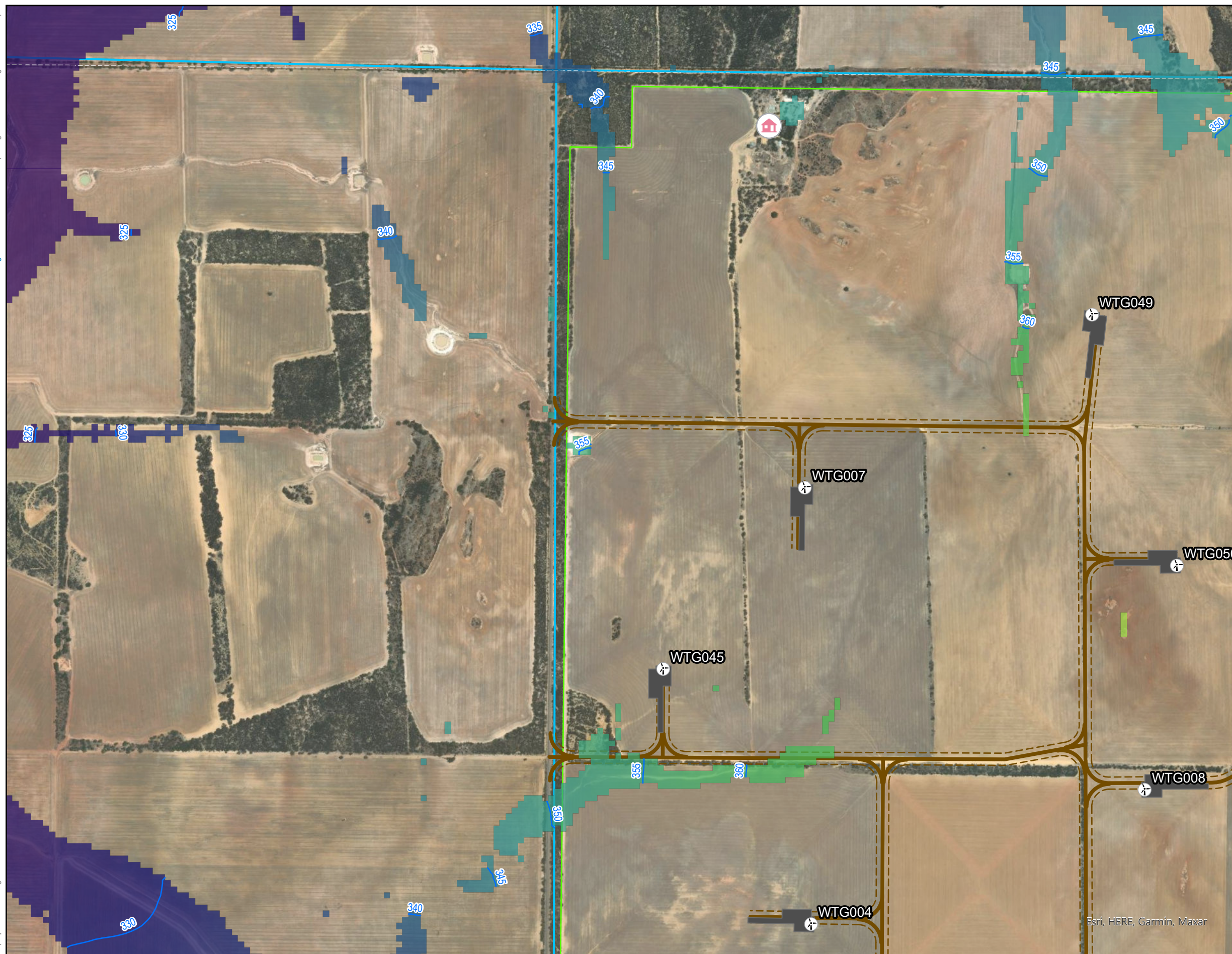
A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

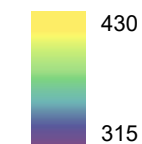
Collgar Wind Farm - Existing
1% AEP - Flood Level



Legend

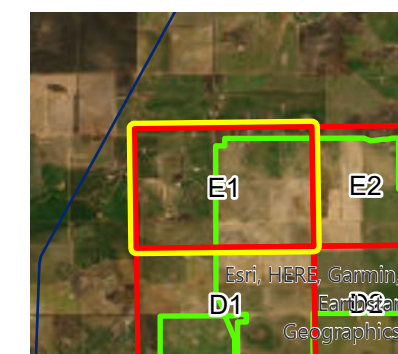
-  Hydraulic Model Boundary

Water Level (m AHD)



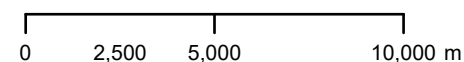
Collgar Wind Farm layout

-  Wind Turbine Locations
-  Hardstands
-  Dwellings
-  Access Road - Corridor
-  Access Road - Centreline
-  Project Area
-  Existing Road Network



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Rev A



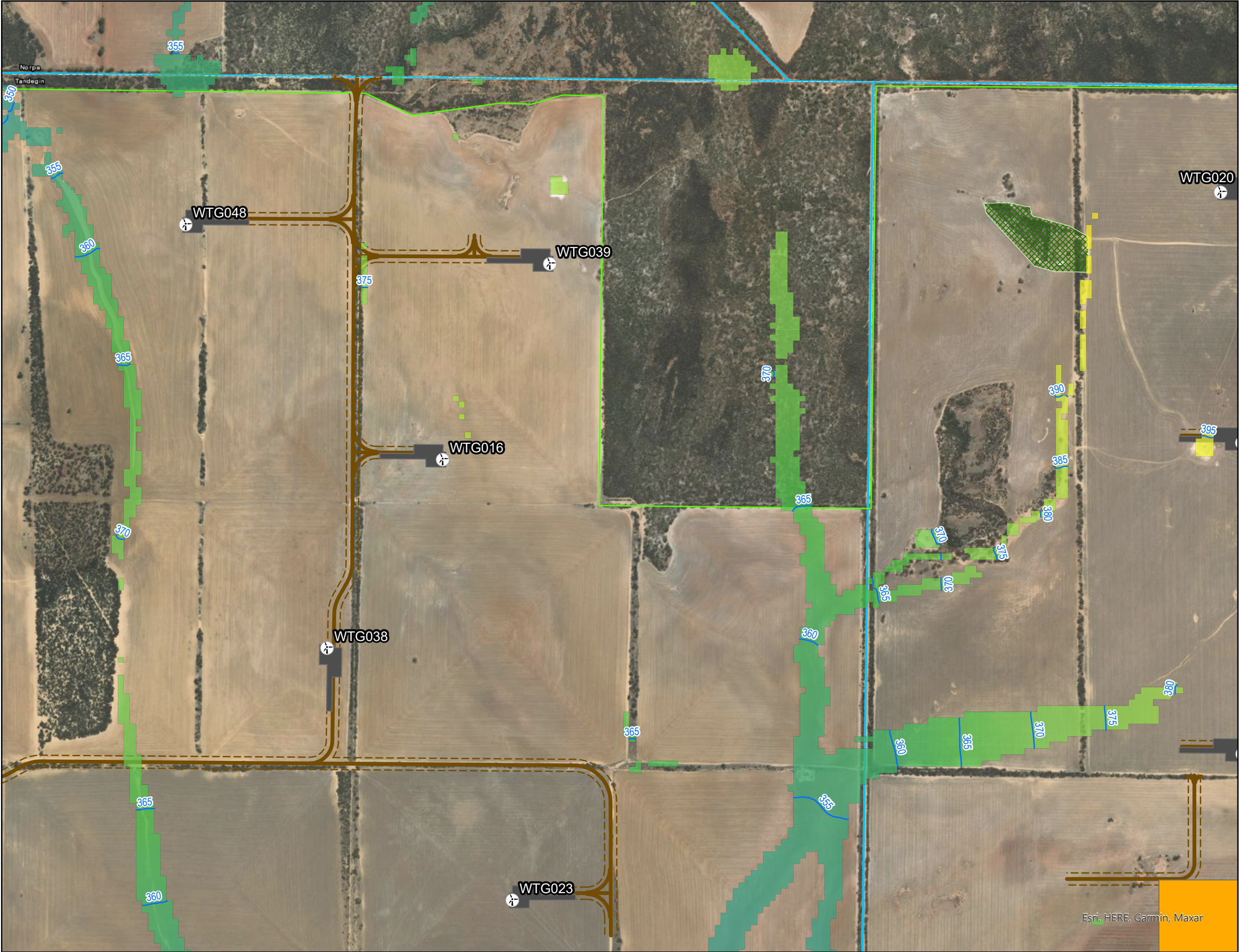
A3 Scale: 1:12,500

EPSG:7850

27/8/2025

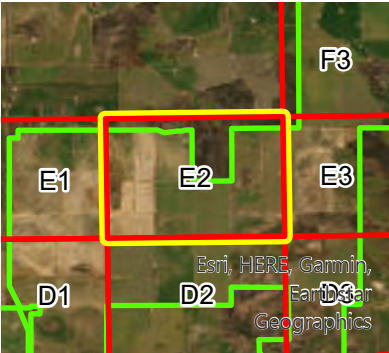
528866

Collgar Wind Farm - Existing
1% AEP - Flood Level



Legend

- Hydraulic Model Boundary
- Water Level (m AHD)
 - 430
 - 315
- Collgar Wind Farm layout
 - Wind Turbine Locations
 - Hardstands
 - Substation Location
 - Access Road - Corridor
 - Access Road - Centreline
 - Project Area
 - Protected Areas
 - Existing Road Network



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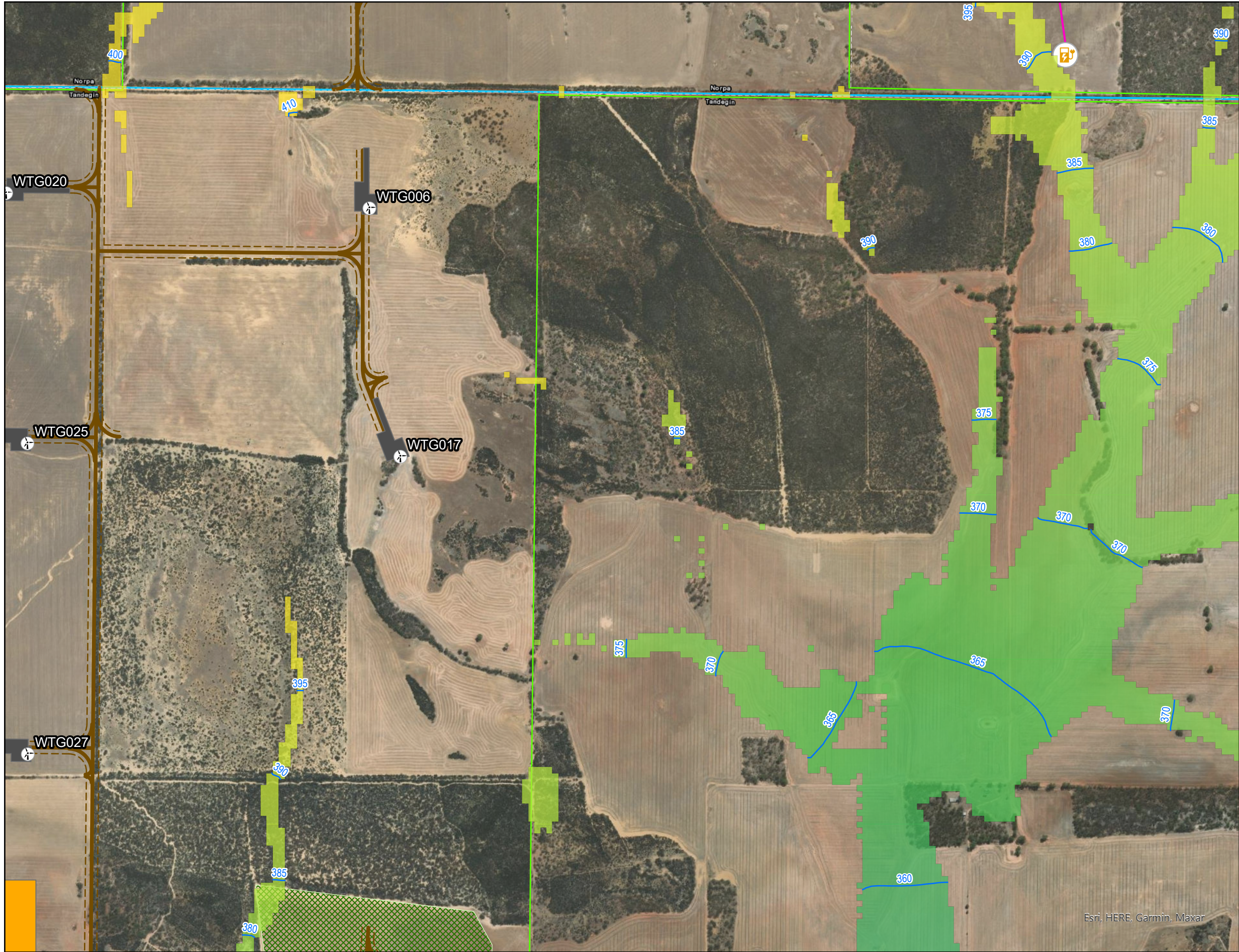
Rev A



0 2,500 5,000 10,000 m
A3 Scale: 1:12,500 EPSG:7850

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528866

Collgar Wind Farm - Existing
1% AEP - Flood Level



Legend

Hydraulic Model Boundary

Water Level (m AHD)

430

315

Collgar Wind Farm layout

Wind Turbine Locations

Hardstands

Substation Location

Substation

OHTL 220kV

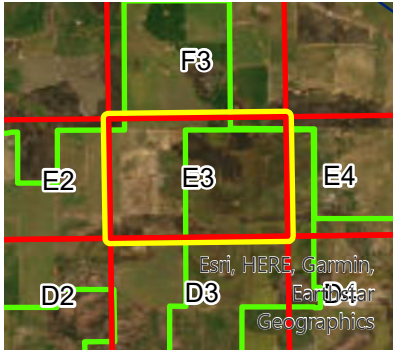
Access Road - Corridor

Access Road - Centreline

Project Area

Protected Areas

Existing Road Network



Esri, HERE, Garmin, Maxar

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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

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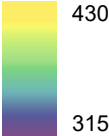
**Collgar Wind Farm - Existing
1% AEP - Flood Level**



Legend

Hydraulic Model Boundary

Water Level (m AHD)

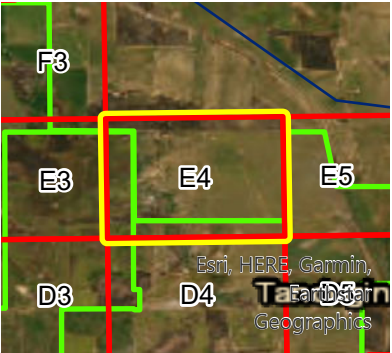


Collgar Wind Farm layout

Project Area

Protected Areas

Existing Road Network



DRAFT

Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

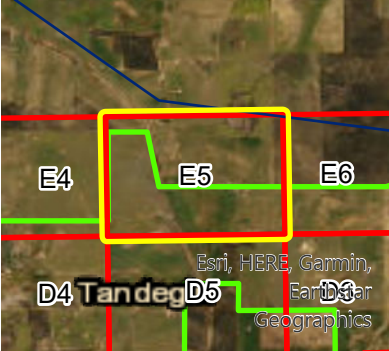
528866

Collgar Wind Farm - Existing
1% AEP - Flood Level



Legend

- Hydraulic Model Boundary
- Water Level (m AHD)
 - 430
 - 315
- Collgar Wind Farm layout
 - Project Area
 - Protected Areas
 - Existing Road Network



DRAFT

Rev A



0 2,500 5,000 10,000 m

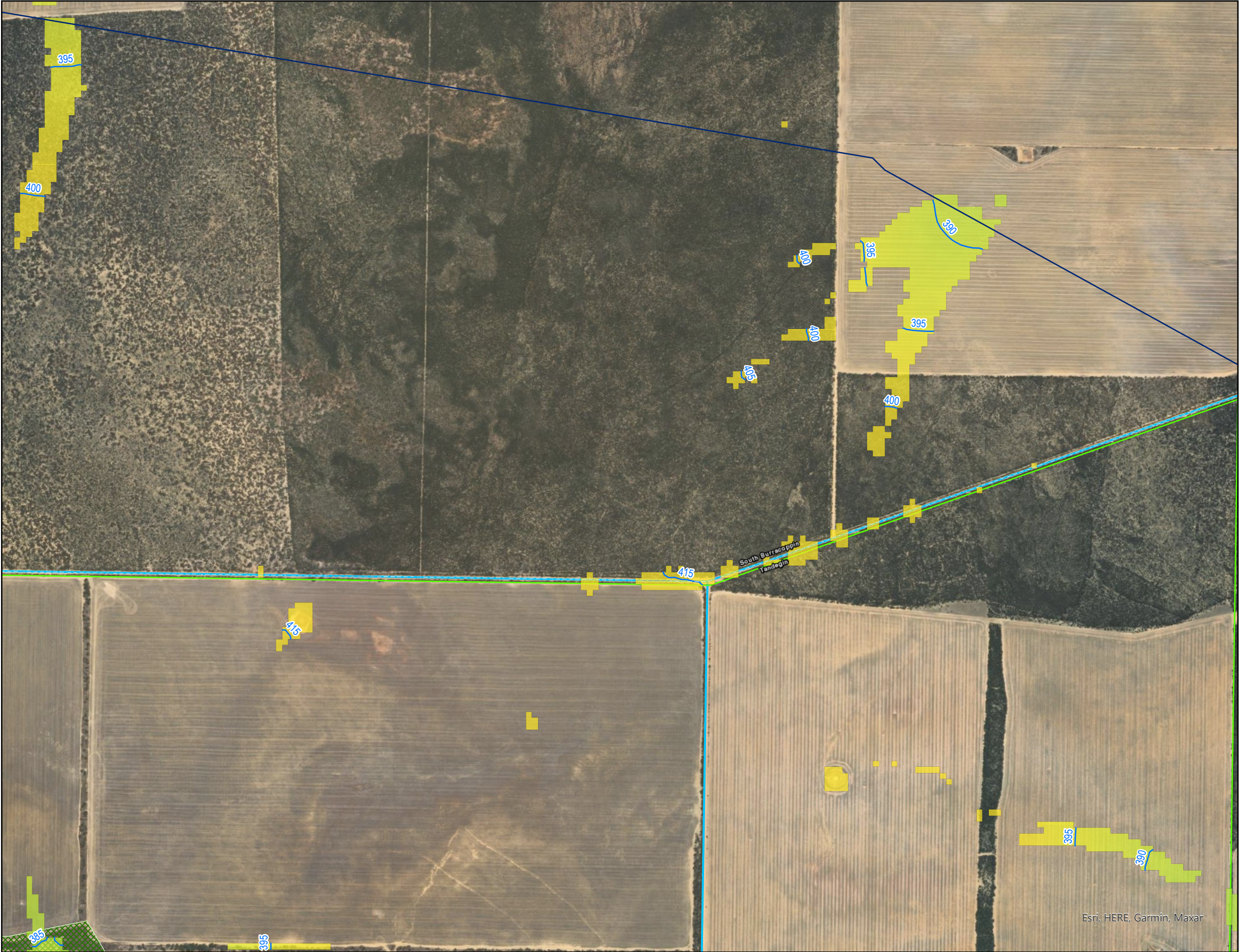
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EPSG:7850

27/8/2025

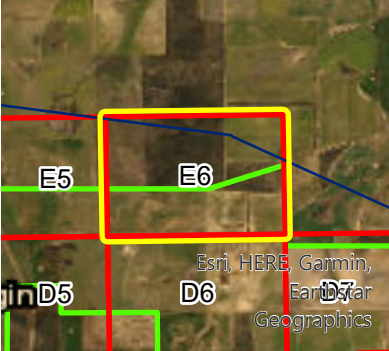
528866

Collgar Wind Farm - Existing
1% AEP - Flood Level



Legend

- Hydraulic Model Boundary
- Water Level (m AHD)
 - 430
 - 315
- Collgar Wind Farm layout
 - Project Area
 - Protected Areas
 - Existing Road Network



DRAFT

Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

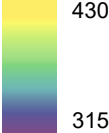
Collgar Wind Farm - Existing
1% AEP - Flood Level



Legend

Hydraulic Model Boundary

Water Level (m AHD)



Collgar Wind Farm layout

Wind Turbine Locations

Hardstands

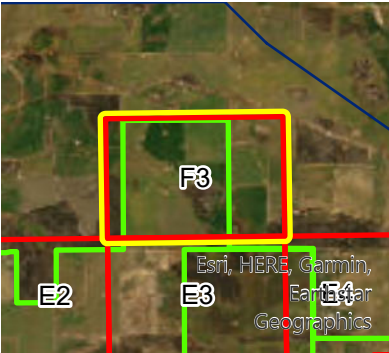
OHTL 220kV

Dwellings

Access Road - Corridor

Access Road - Centreline

Project Area



DRAFT

Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
1% AEP - Flood Level



Legend

Hydraulic Model Boundary

Velocity (m/s)

< 0.3

0.3 - 0.5

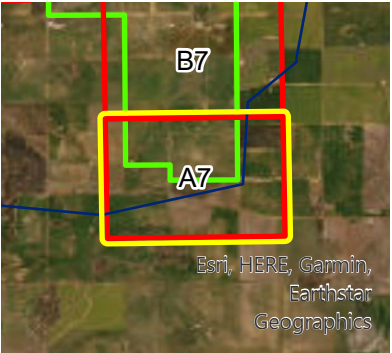
0.5 - 1.0

1.0 - 1.5

Collgar Wind Farm layout

Project Area

Existing Road Network



Esri, HERE, Garmin, Maxar

DRAFT

Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

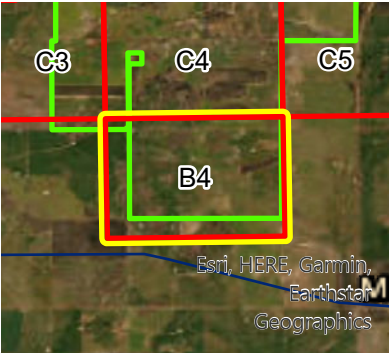
528866

Collgar Wind Farm - Existing
1% AEP - Velocity



Legend

- Hydraulic Model Boundary
- Velocity (m/s)
 - < 0.3
 - 0.3 - 0.5
 - 0.5 - 1.0
- Collgar Wind Farm layout
 - Wind Turbine Locations
 - Hardstands
 - Access Road - Corridor
 - Access Road - Centreline
 - Project Area
 - Existing Road Network



DRAFT

Rev A



0 2,500 5,000 10,000 m

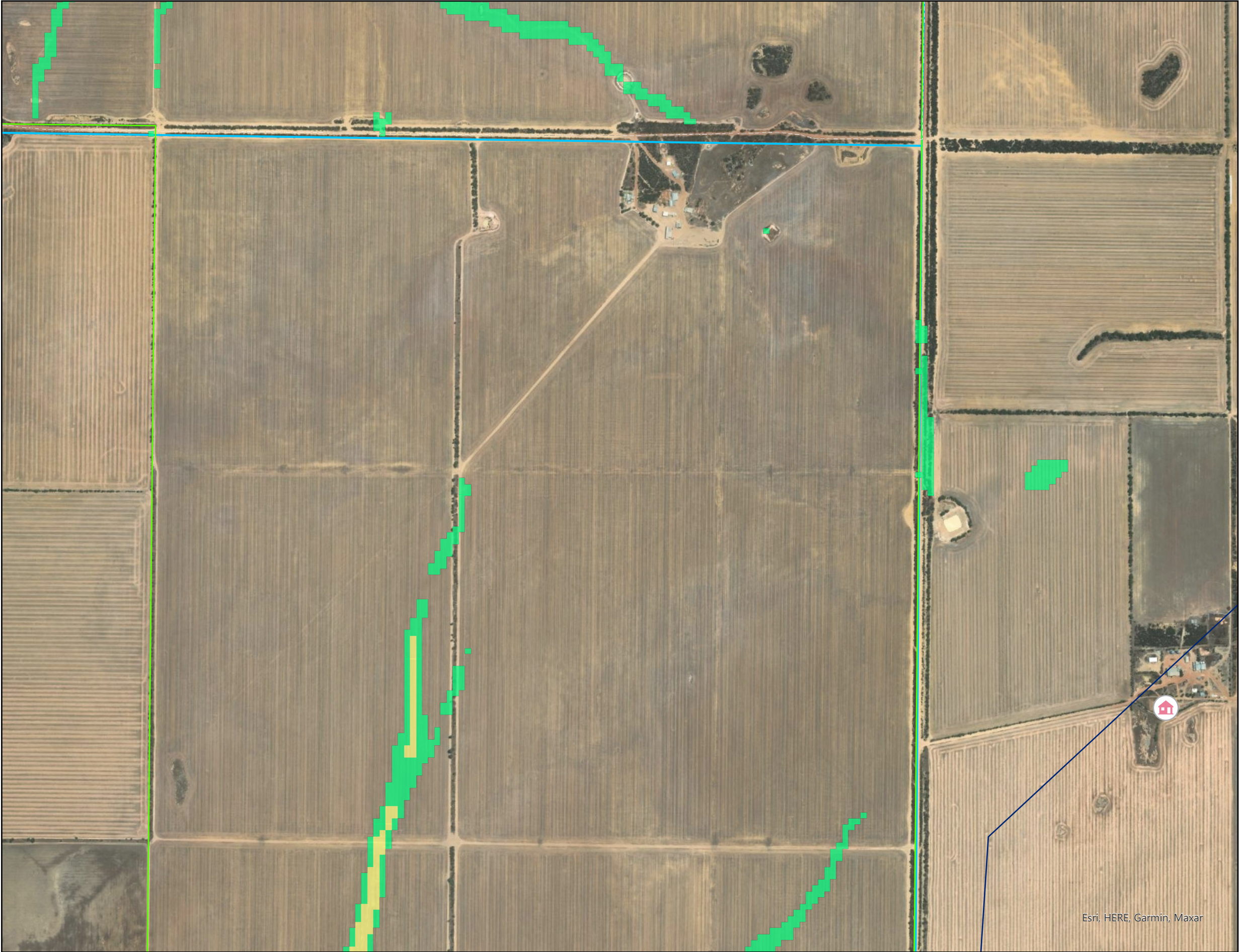
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27/8/2025

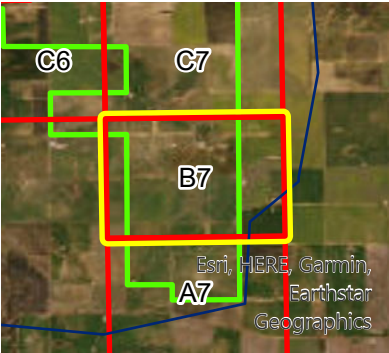
528866

Collgar Wind Farm - Existing
1% AEP - Velocity



Legend

- Hydraulic Model Boundary
- Velocity (m/s)
 - < 0.3
 - 0.3 - 0.5
 - 0.5 - 1.0
- Collgar Wind Farm layout
 - Dwellings
 - Project Area
 - Existing Road Network



Esri, HERE, Garmin, Maxar

DRAFT

Rev A



0 2,500 5,000 10,000 m

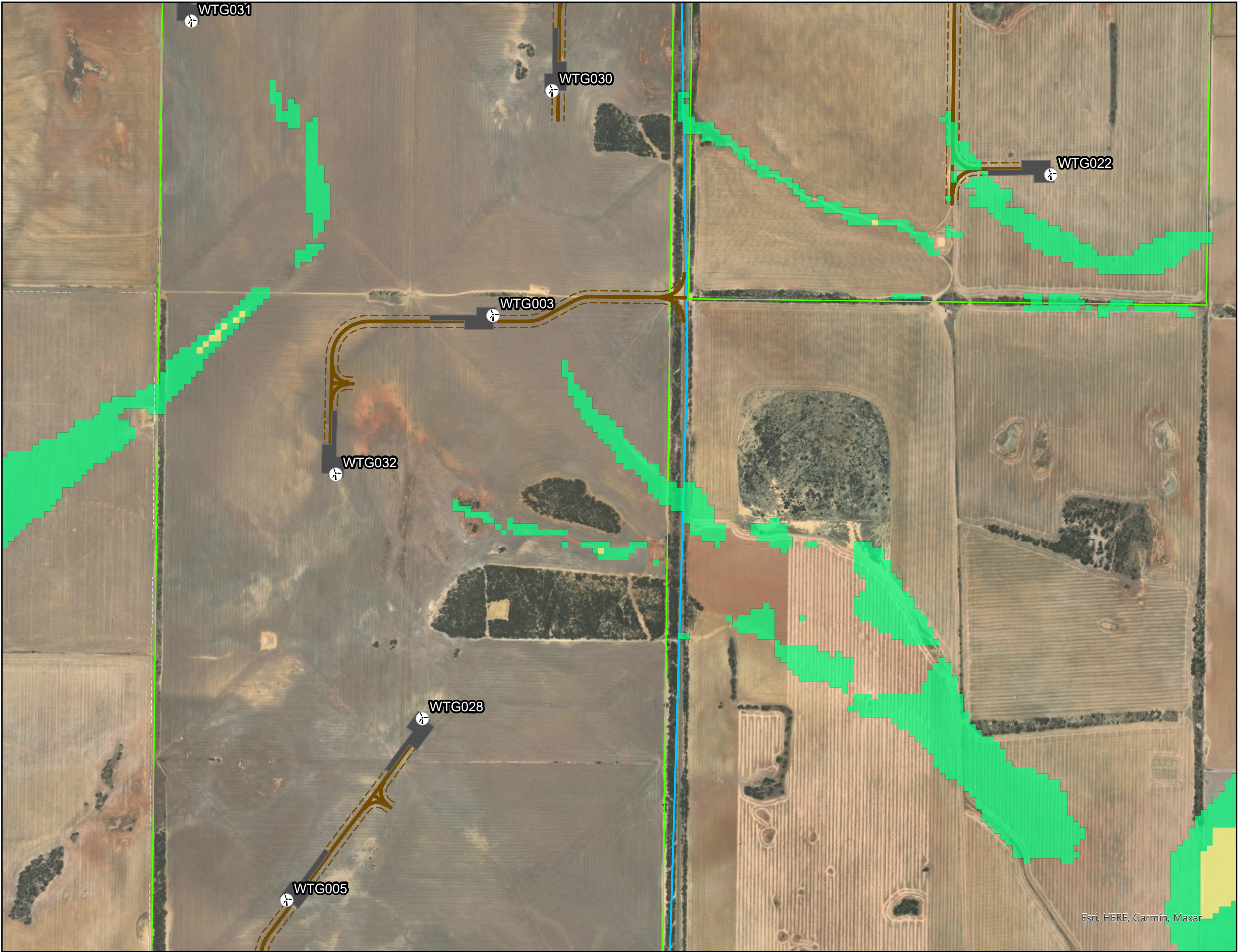
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EPSG:7850

27/8/2025

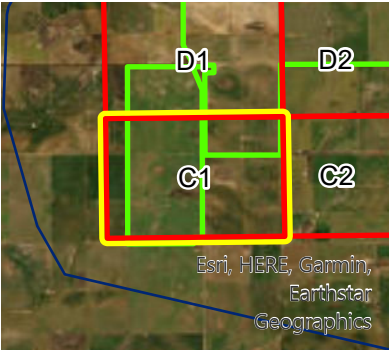
528866

Collgar Wind Farm - Existing
1% AEP - Velocity



Legend

- Hydraulic Model Boundary
- Velocity (m/s)
 - < 0.3
 - 0.3 - 0.5
 - 0.5 - 1.0
- Collgar Wind Farm layout
 - Wind Turbine Locations
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 - Access Road - Corridor
 - Access Road - Centreline
 - Project Area
 - Existing Road Network



DRAFT

Rev A



0 2,500 5,000 10,000 m

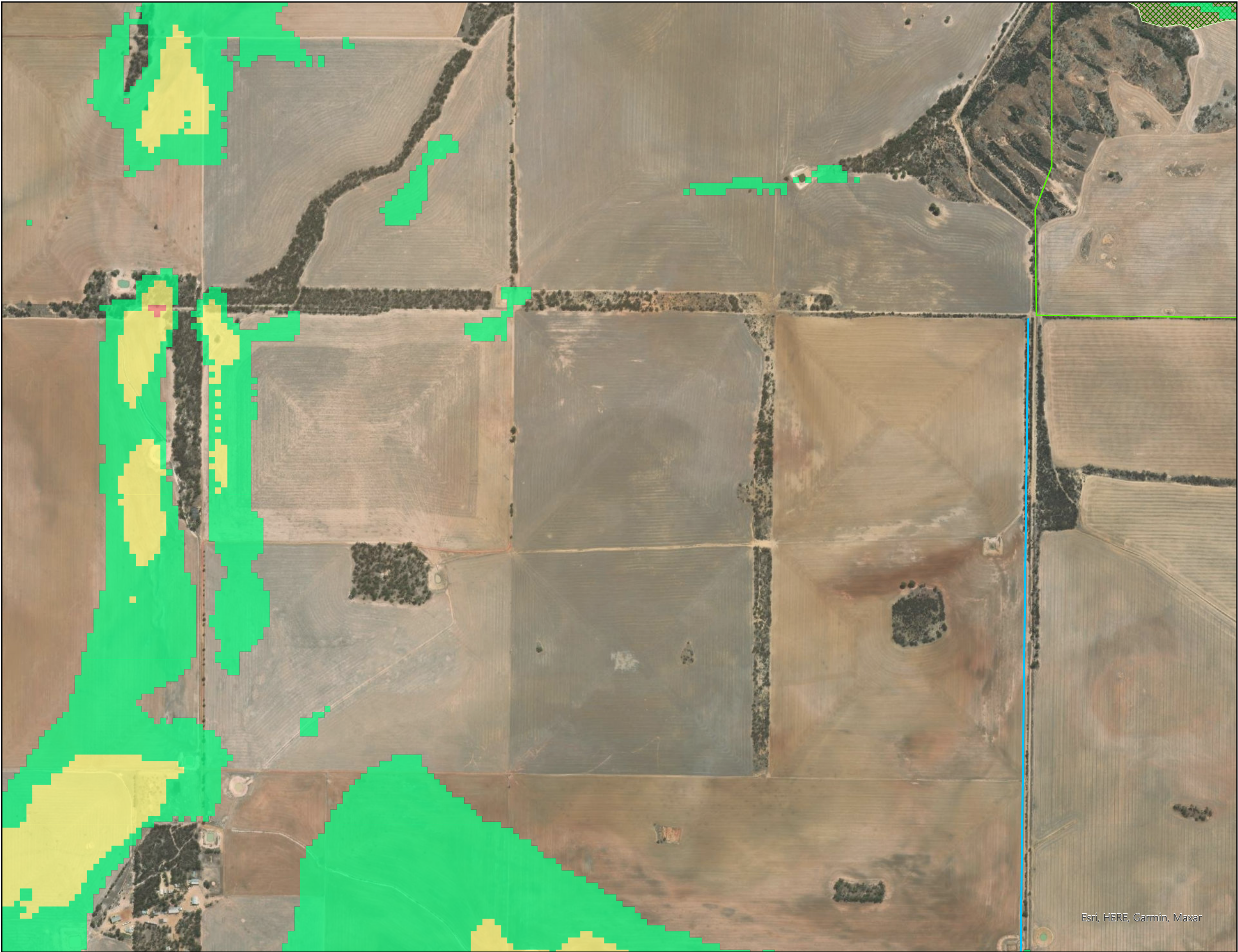
A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
1% AEP - Velocity



Legend

Hydraulic Model Boundary

Velocity (m/s)

< 0.3

0.3 - 0.5

0.5 - 1.0

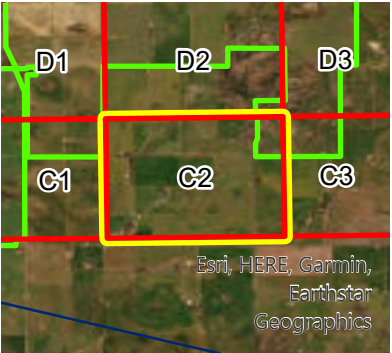
1.0 - 1.5

Collgar Wind Farm layout

Project Area

Protected Areas

Existing Road Network



Esri, HERE, Garmin, Maxar

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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

**Collgar Wind Farm - Existing
1% AEP - Velocity**



Legend

Hydraulic Model Boundary

Velocity (m/s)

< 0.3

0.3 - 0.5

0.5 - 1.0

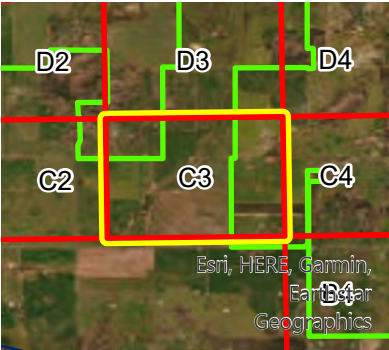
1.0 - 1.5

Collgar Wind Farm layout

Dwellings

Project Area

Protected Areas



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
1% AEP - Velocity



Legend

Hydraulic Model Boundary

Velocity (m/s)

< 0.3

0.3 - 0.5

0.5 - 1.0

Collgar Wind Farm layout

Wind Turbine Locations

Hardstands

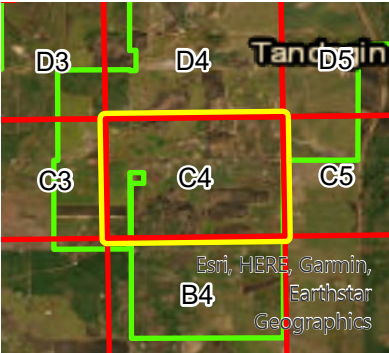
Access Road - Corridor

Access Road - Centreline

Project Area

Protected Areas

Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
1% AEP - Velocity



Legend

Hydraulic Model Boundary

Velocity (m/s)

< 0.3

0.3 - 0.5

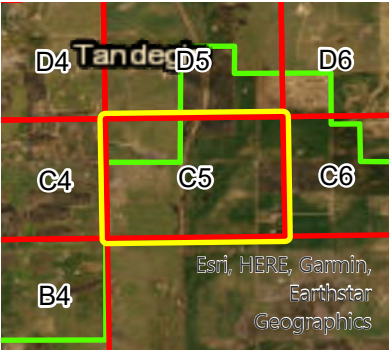
0.5 - 1.0

Collgar Wind Farm layout

Dwellings

Project Area

Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
1% AEP - Velocity



Legend

Hydraulic Model Boundary

Velocity (m/s)

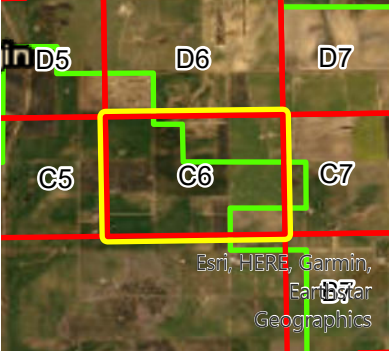
< 0.3

0.3 - 0.5

0.5 - 1.0

Collgar Wind Farm layout

Project Area



Esri, HERE, Garmin, Maxar

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Rev A



0 2,500 5,000 10,000 m

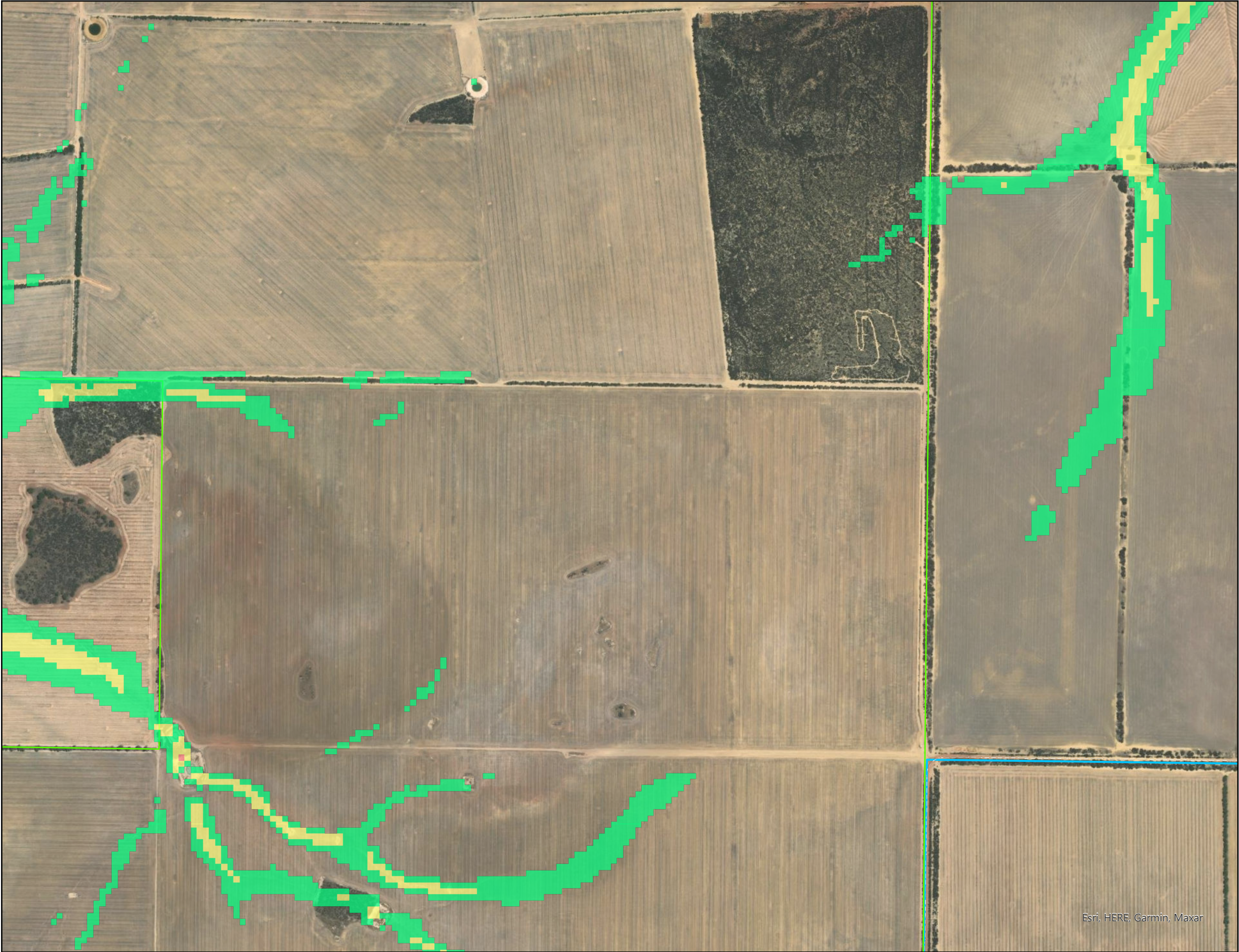
A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
1% AEP - Velocity



Legend

Hydraulic Model Boundary

Velocity (m/s)

< 0.3

0.3 - 0.5

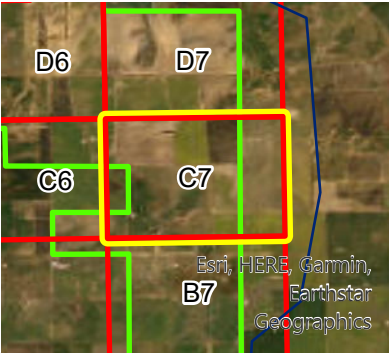
0.5 - 1.0

1.0 - 1.5

Collgar Wind Farm layout

Project Area

Existing Road Network



Esri, HERE, Garmin, Maxar

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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

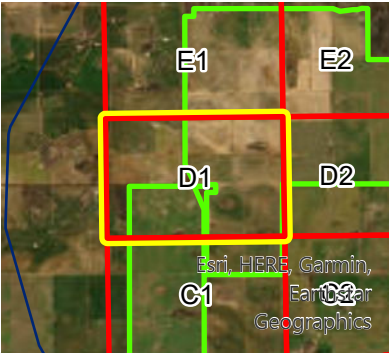
528866

Collgar Wind Farm - Existing
1% AEP - Velocity



Legend

- Hydraulic Model Boundary
- Velocity (m/s)
 - < 0.3
 - 0.3 - 0.5
 - 0.5 - 1.0
- Collgar Wind Farm layout
 - Wind Turbine Locations
 - Hardstands
 - Access Road - Corridor
 - Access Road - Centreline
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 - Protected Areas
 - Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

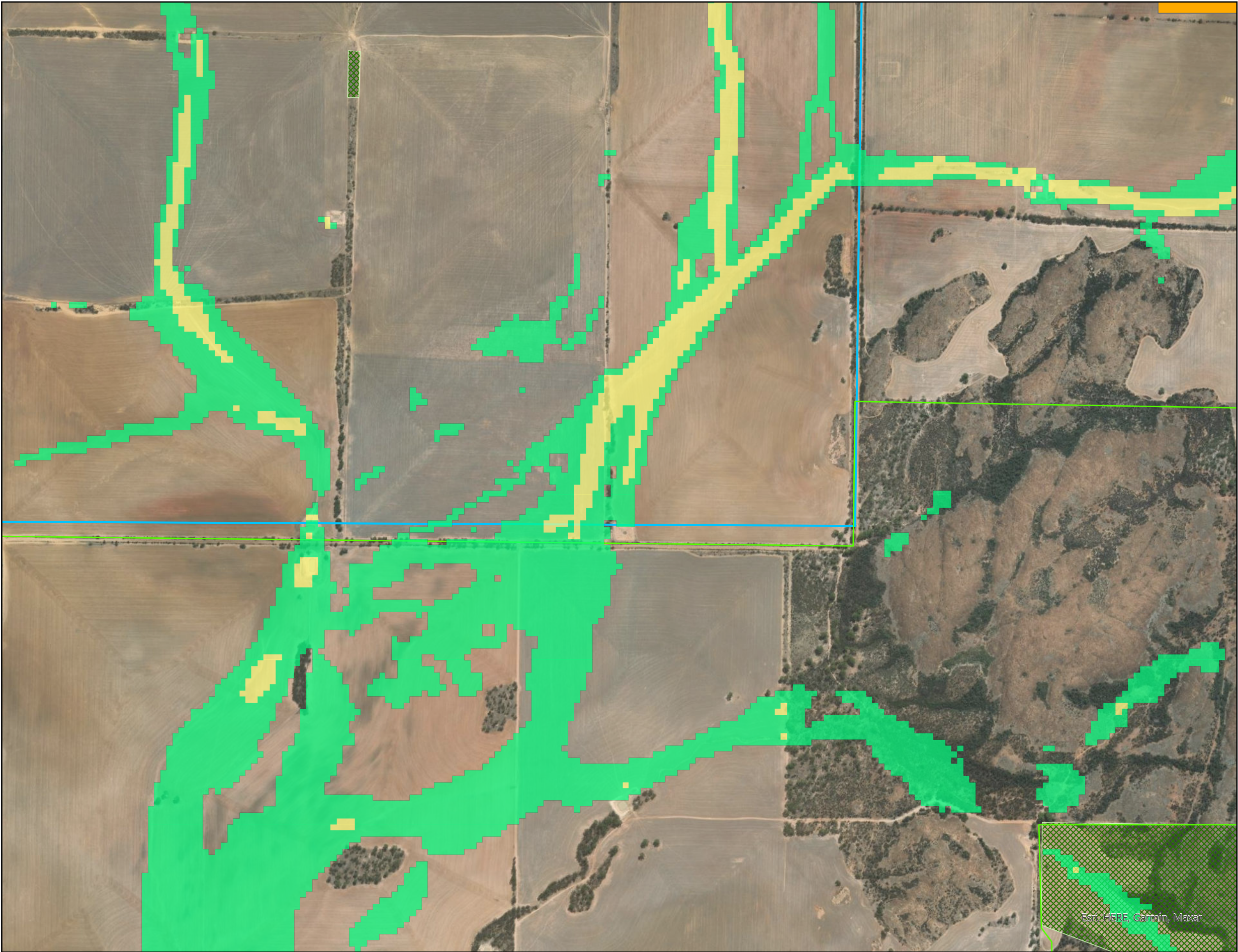
A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
1% AEP - Velocity



Legend

Hydraulic Model Boundary

Velocity (m/s)

< 0.3

0.3 - 0.5

0.5 - 1.0

Collgar Wind Farm layout

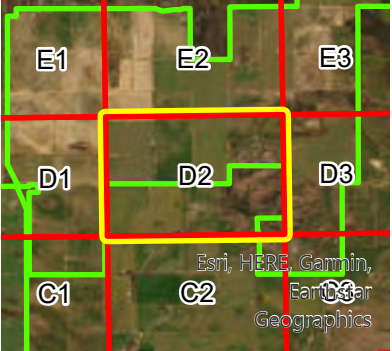
Hardstands

Substation Location

Project Area

Protected Areas

Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
1% AEP - Velocity



Legend

Hydraulic Model Boundary

Velocity (m/s)

< 0.3

0.3 - 0.5

0.5 - 1.0

1.0 - 1.5

Collgar Wind Farm layout

Wind Turbine Locations

Hardstands

Substation Location

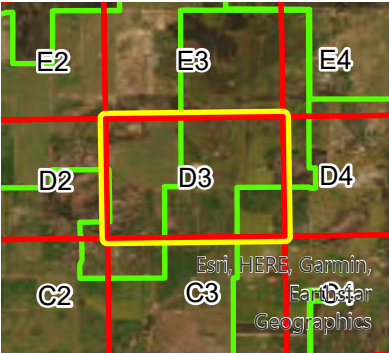
Access Road - Corridor

Access Road - Centreline

Project Area

Protected Areas

Existing Road Network



DRAFT

Rev A



0 2,500 5,000 10,000 m

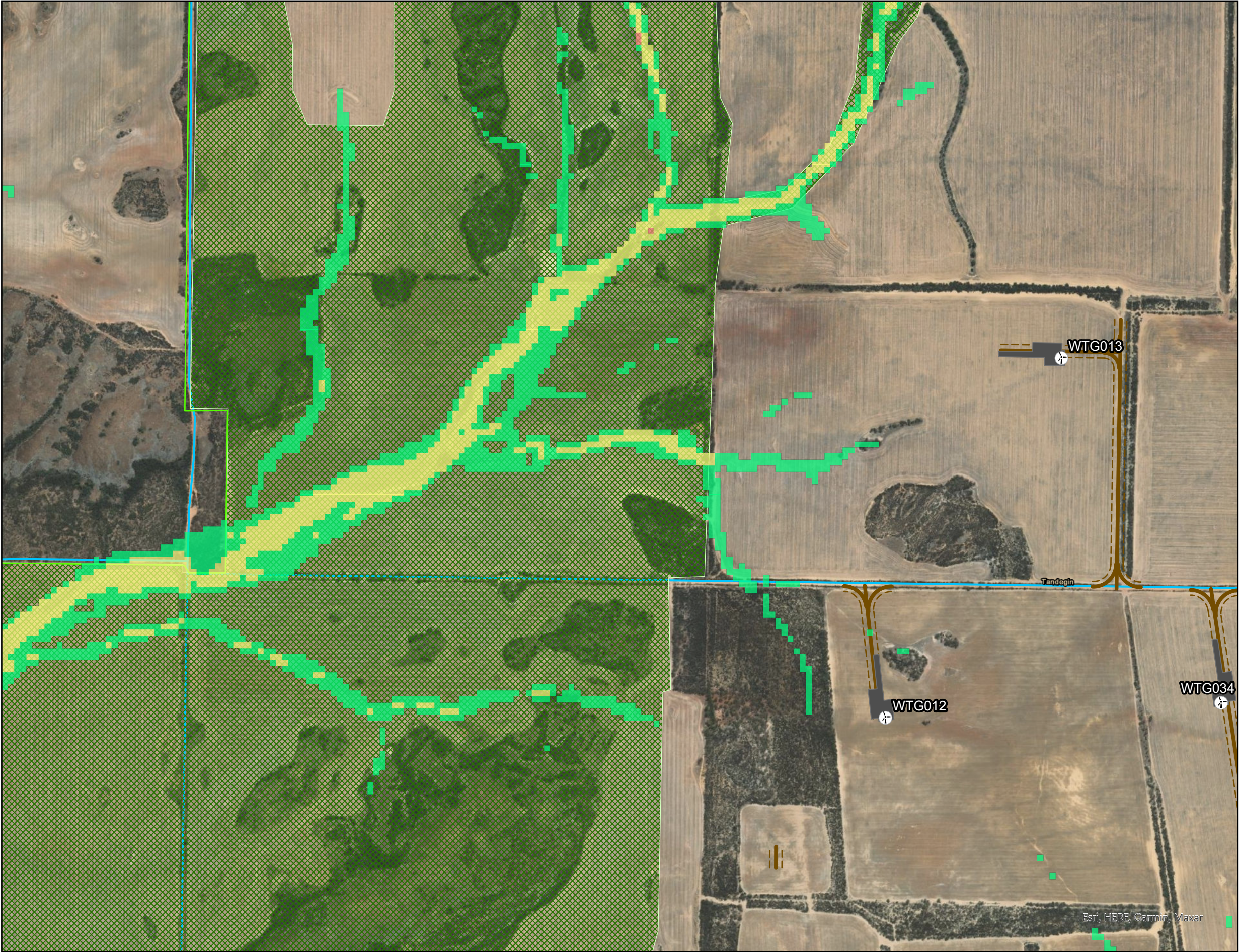
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EPSG:7850

27/8/2025

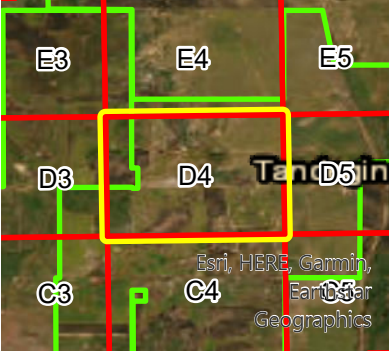
528866

Collgar Wind Farm - Existing
1% AEP - Velocity



Legend

- Hydraulic Model Boundary
- Velocity (m/s)
 - < 0.3
 - 0.3 - 0.5
 - 0.5 - 1.0
 - 1.0 - 1.5
- Collgar Wind Farm layout
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 - Hardstands
 - Access Road - Corridor
 - Access Road - Centreline
 - Project Area
 - Protected Areas
 - Existing Road Network



DRAFT

Rev A



0 2,500 5,000 10,000 m

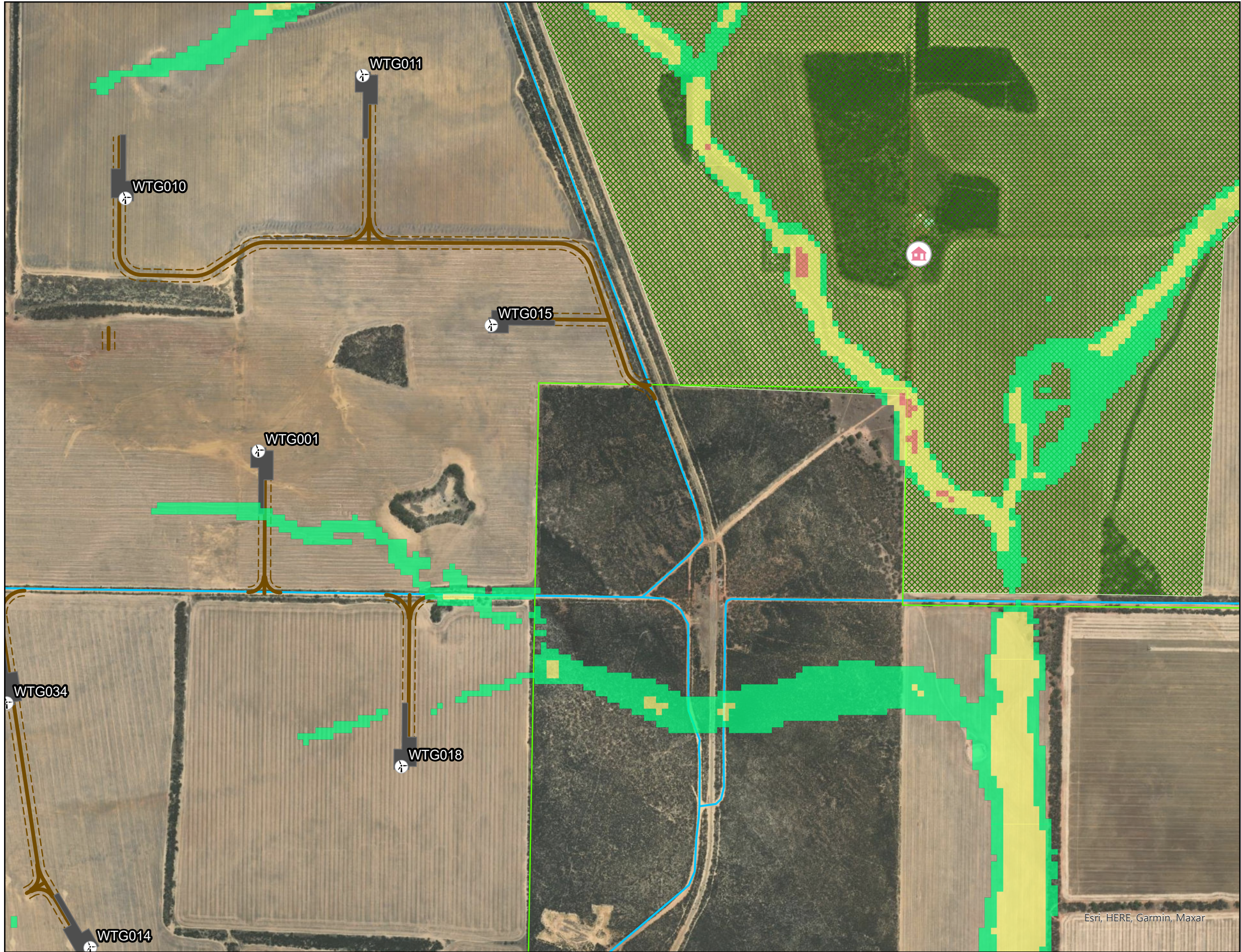
A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
1% AEP - Velocity



Legend

Hydraulic Model Boundary

Velocity (m/s)

< 0.3

0.3 - 0.5

0.5 - 1.0

1.0 - 1.5

Collgar Wind Farm layout

Wind Turbine Locations

Hardstands

Dwellings

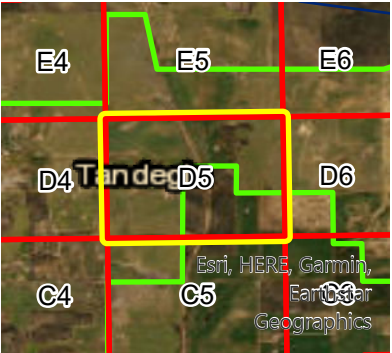
Access Road - Corridor

Access Road - Centreline

Project Area

Protected Areas

Existing Road Network



DRAFT

Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
1% AEP - Velocity



Legend

Hydraulic Model Boundary

Velocity (m/s)

< 0.3

0.3 - 0.5

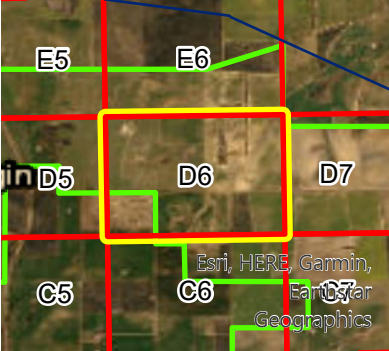
0.5 - 1.0

Collgar Wind Farm layout

Project Area

Protected Areas

Existing Road Network



DRAFT

Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

**Collgar Wind Farm - Existing
1% AEP - Velocity**



Legend

Hydraulic Model Boundary

Velocity (m/s)

< 0.3

0.3 - 0.5

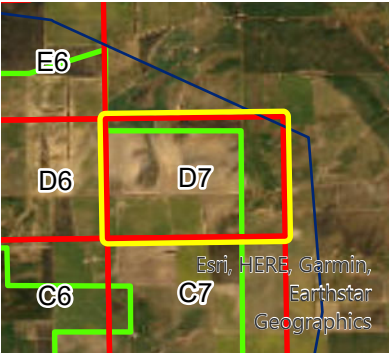
0.5 - 1.0

1.0 - 1.5

Collgar Wind Farm layout

Project Area

Existing Road Network



Esri, HERE, Garmin, Maxar

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Rev A



0 2,500 5,000 10,000 m

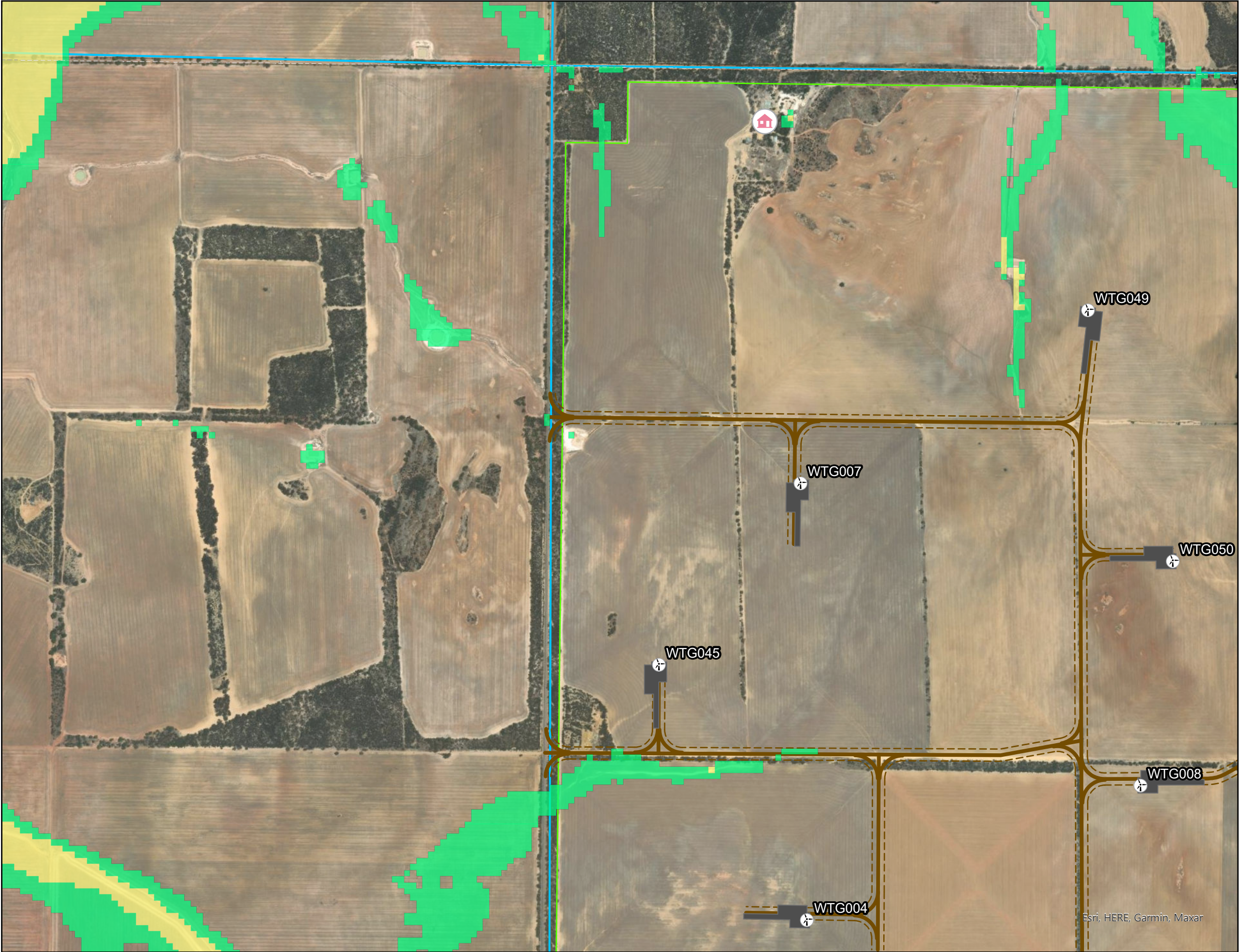
A3 Scale: 1:12,500

EPSG:7850

27/8/2025

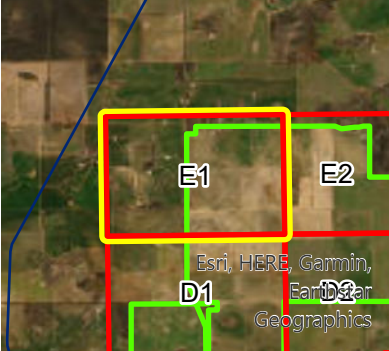
528866

Collgar Wind Farm - Existing
1% AEP - Velocity



Legend

- Hydraulic Model Boundary
- Velocity (m/s)
 - < 0.3
 - 0.3 - 0.5
 - 0.5 - 1.0
- Collgar Wind Farm layout
 - Wind Turbine Locations
 - Hardstands
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 - Access Road - Corridor
 - Access Road - Centreline
 - Project Area
 - Existing Road Network



DRAFT

Rev A



0 2,500 5,000 10,000 m

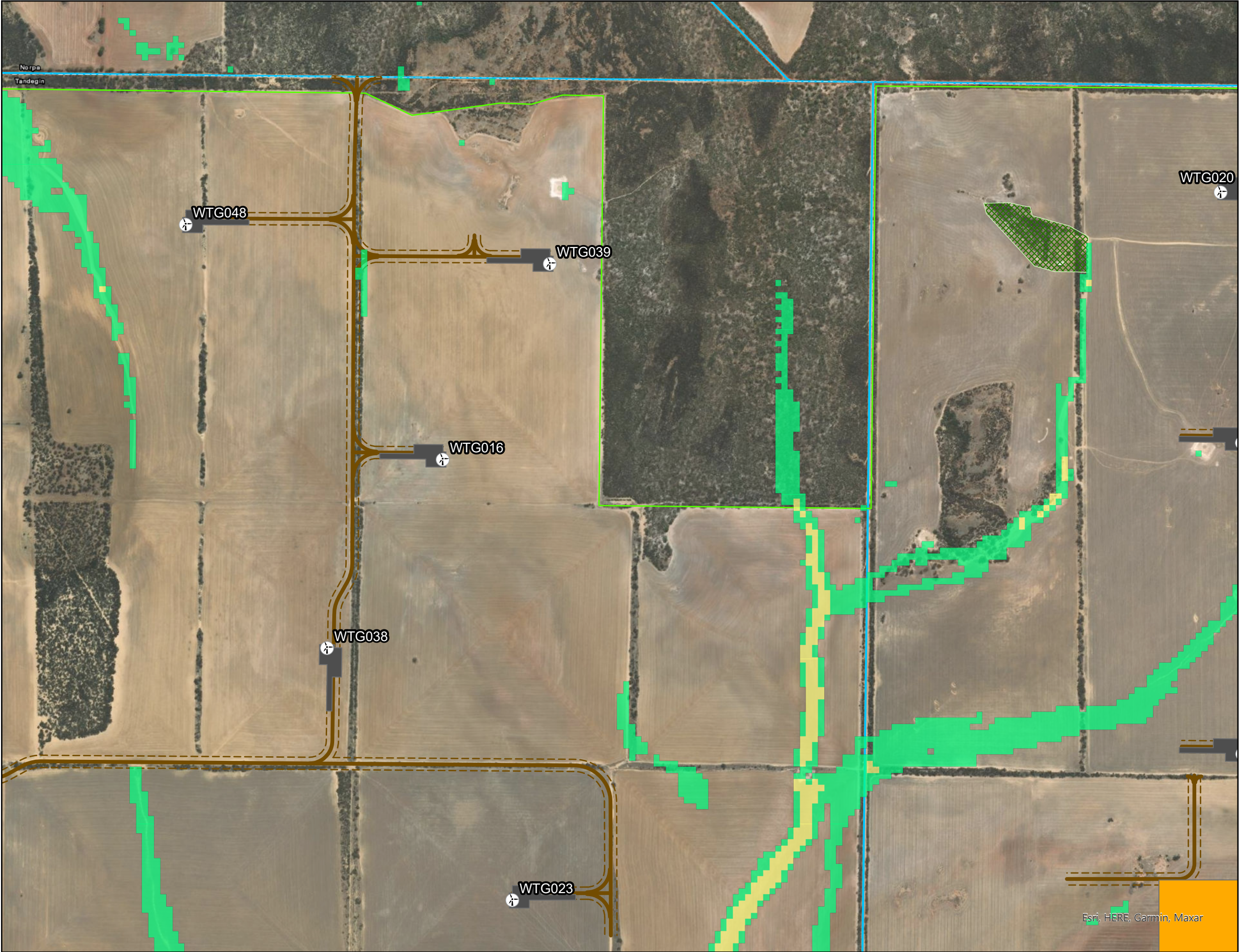
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EPSG:7850

27/8/2025

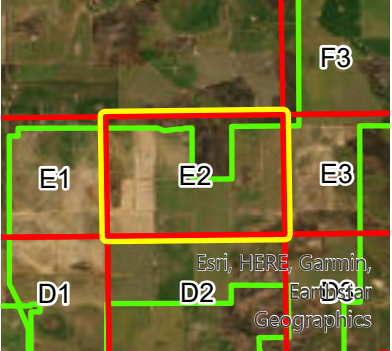
528866

Collgar Wind Farm - Existing
1% AEP - Velocity



Legend

- Hydraulic Model Boundary
- Velocity (m/s)
 - < 0.3
 - 0.3 - 0.5
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 - Wind Turbine Locations
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 - Existing Road Network



DRAFT

Rev A



0 2,500 5,000 10,000 m

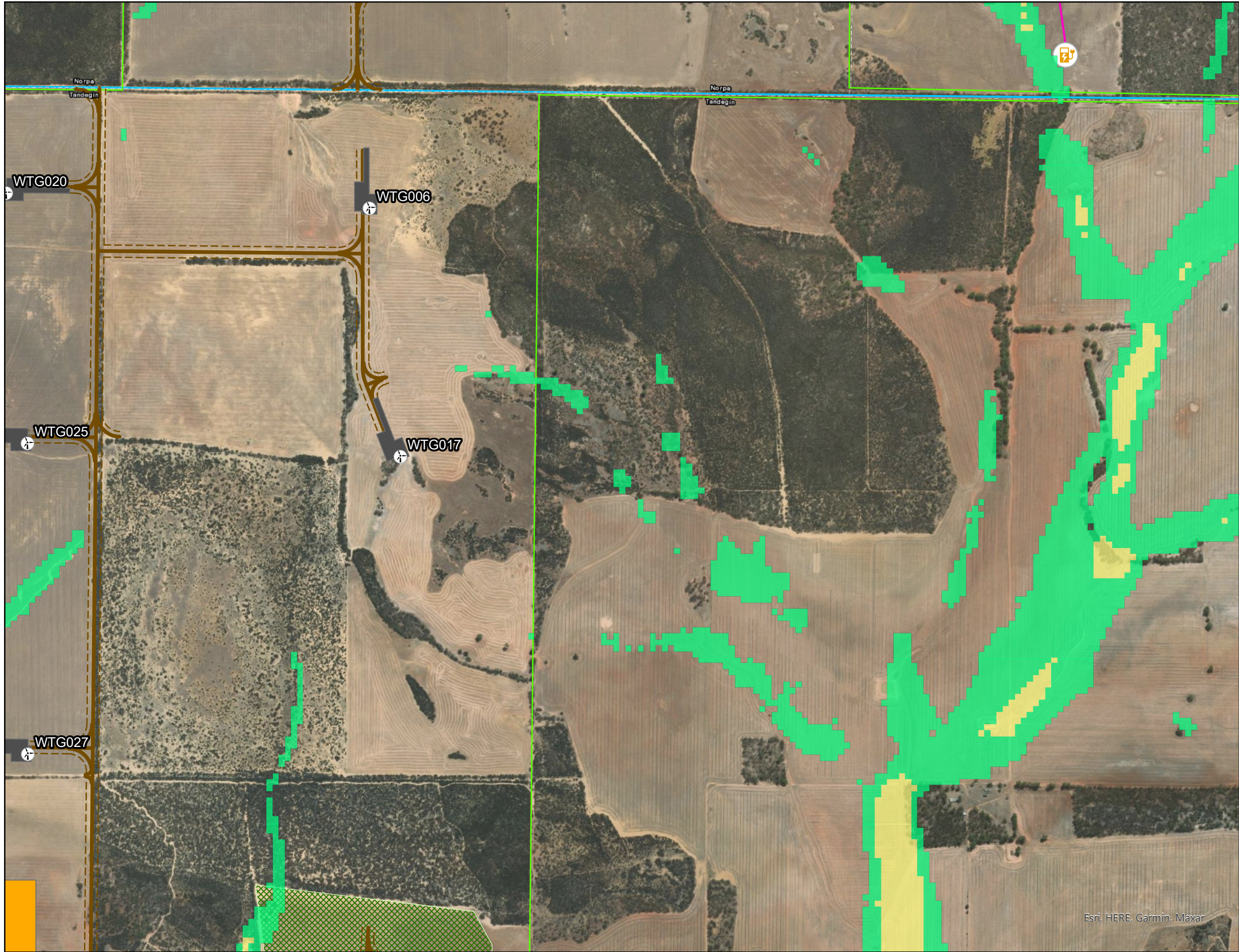
A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
1% AEP - Velocity



Legend

Hydraulic Model Boundary

Velocity (m/s)

< 0.3

0.3 - 0.5

0.5 - 1.0

Collgar Wind Farm layout

Wind Turbine Locations

Hardstands

Substation Location

Substation

OHTL 220kV

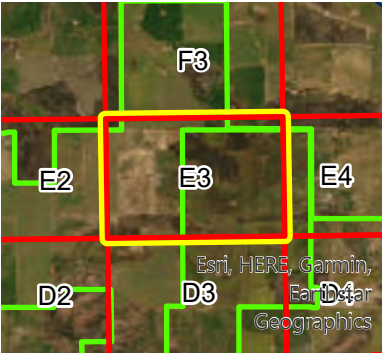
Access Road - Corridor

Access Road - Centreline

Project Area

Protected Areas

Existing Road Network



Esri, HERE, Garmin, Maxar

DRAFT

Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
1% AEP - Velocity



Legend

Hydraulic Model Boundary

Velocity (m/s)

< 0.3

0.3 - 0.5

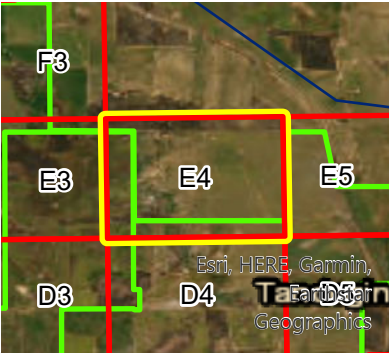
0.5 - 1.0

Collgar Wind Farm layout

Project Area

Protected Areas

Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

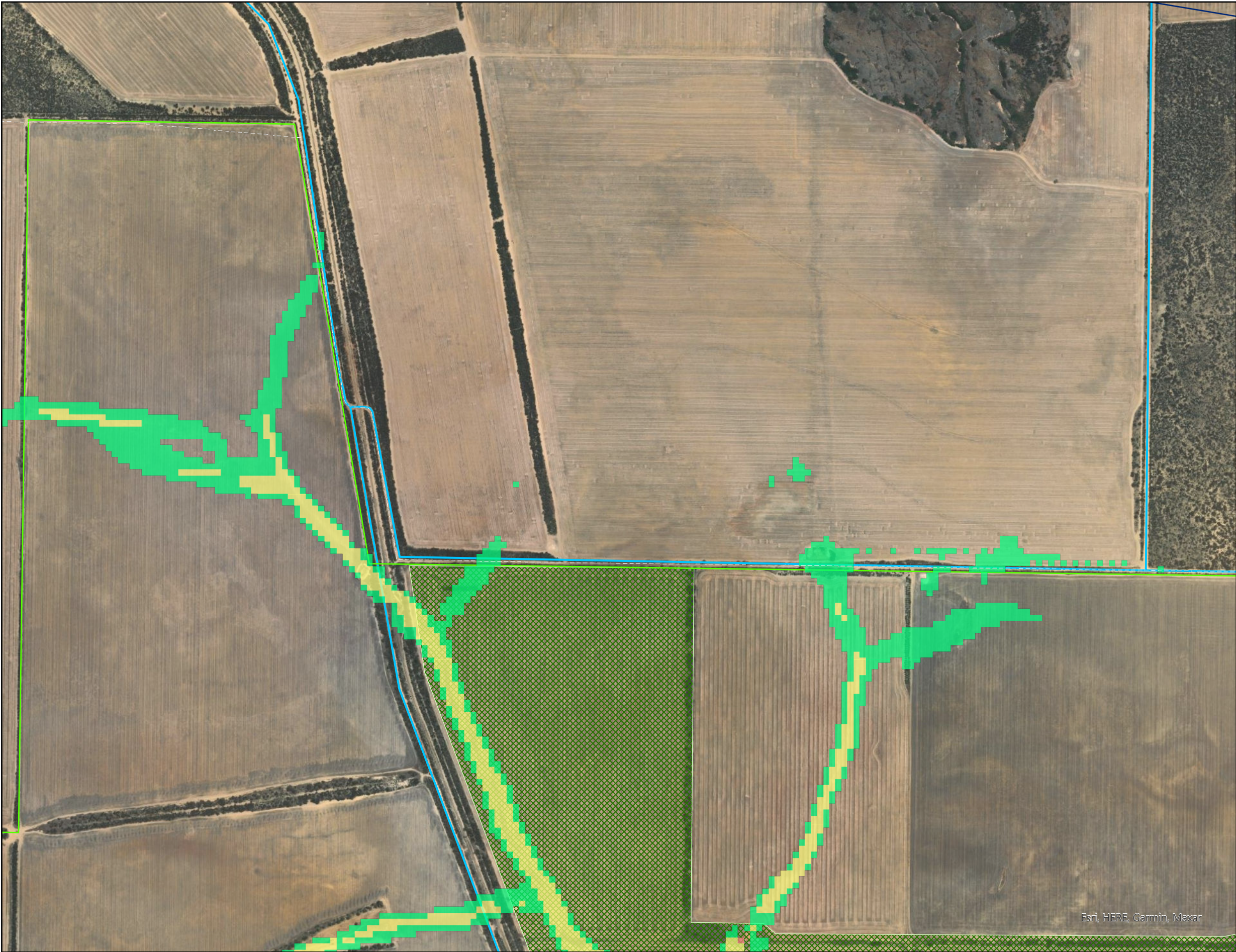
A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
1% AEP - Velocity



Legend

Hydraulic Model Boundary

Velocity (m/s)

< 0.3

0.3 - 0.5

0.5 - 1.0

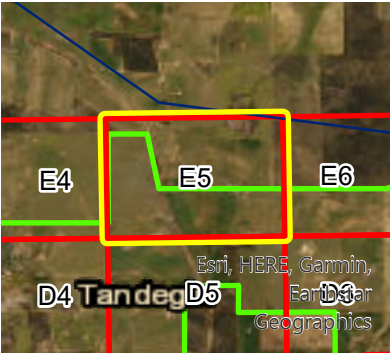
1.0 - 1.5

Collgar Wind Farm layout

Project Area

Protected Areas

Existing Road Network



DRAFT

Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

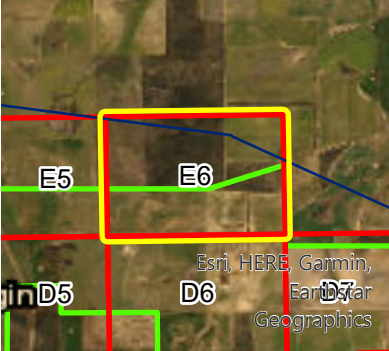
528866

**Collgar Wind Farm - Existing
1% AEP - Velocity**



Legend

- Hydraulic Model Boundary
- Velocity (m/s)
 - 0.3 - 0.5
 - 0.5 - 1.0
- Collgar Wind Farm layout**
 - Project Area
 - Protected Areas
 - Existing Road Network



DRAFT

Rev A



0 2,500 5,000 10,000 m

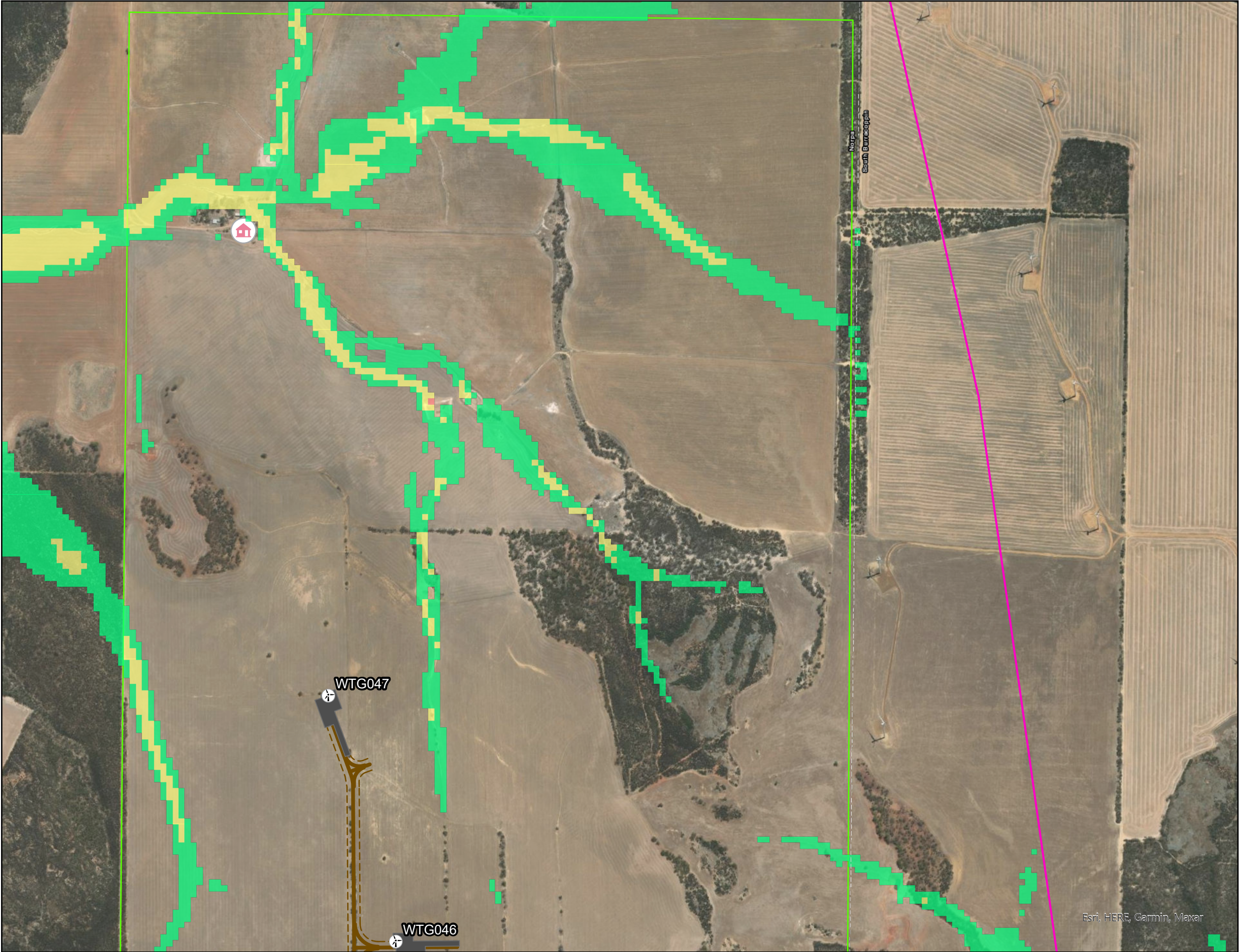
A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

**Collgar Wind Farm - Existing
1% AEP - Velocity**



Legend

Hydraulic Model Boundary

Velocity (m/s)

< 0.3

0.3 - 0.5

0.5 - 1.0

1.0 - 1.5

Collgar Wind Farm layout

Wind Turbine Locations

Hardstands

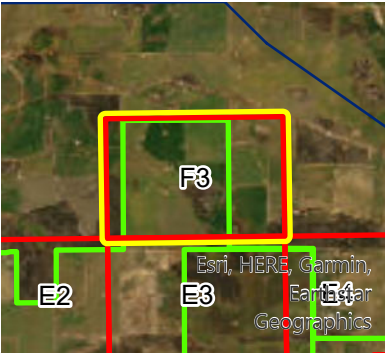
OHTL 220kV

Dwellings

Access Road - Corridor

Access Road - Centreline

Project Area



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

Collgar Wind Farm - Existing
1% AEP - Velocity



Legend

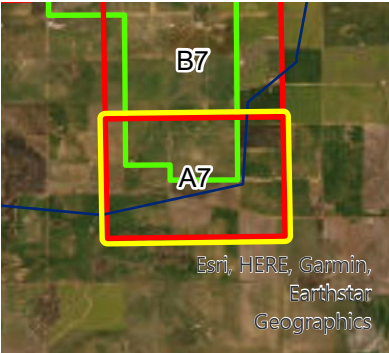
Hydraulic Model Boundary

Flood Hazard

- H1 - Generally safe for vehicles, people and buildings
- H2 - Unsafe for small vehicles
- H3 - Unsafe for vehicles, children and the elderly
- H4 - Unsafe for vehicles and people
- H5 - Unsafe for vehicles and people. All building types vulnerable to structural damage. Some less robust building types vulnerable to failure

Collgar Wind Farm layout

- Project Area
- Existing Road Network



Esri, HERE, Garmin, Maxar

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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

528866

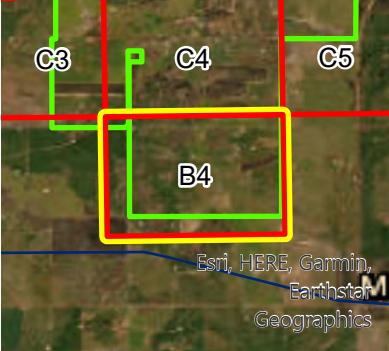
Collgar Wind Farm - Existing

1% AEP - Flood Hazard



Legend

- Hydraulic Model Boundary
- Flood Hazard
 - H1 - Generally safe for vehicles, people and buildings
 - H2 - Unsafe for small vehicles
 - H3 - Unsafe for vehicles, children and the elderly
 - H4 - Unsafe for vehicles and people
- Collgar Wind Farm layout
 - Wind Turbine Locations
 - Hardstands
 - Road Layout
 - Access Road - Corridor
 - Access Road - Centreline
 - Project Area
 - Existing Road Network



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Rev A



0 2,500 5,000 10,000 m
A3 Scale: 1:12,500
EPSG:7850

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528866

Collgar Wind Farm - Existing
1% AEP - Flood Hazard



Legend

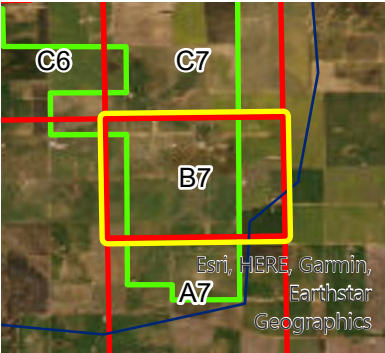
Hydraulic Model Boundary

Flood Hazard

- H1 - Generally safe for vehicles, people and buildings
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- H4 - Unsafe for vehicles and people

Collgar Wind Farm layout

- Dwellings
- Project Area
- Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

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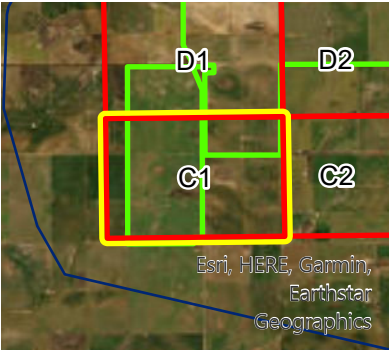
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Collgar Wind Farm - Existing
1% AEP - Flood Hazard



Legend

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Rev A



Legend

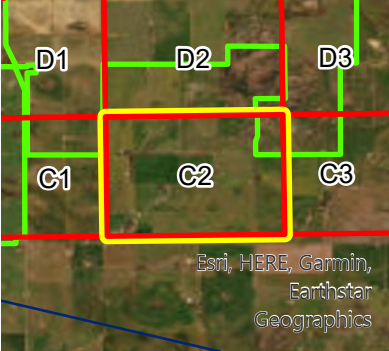
Hydraulic Model Boundary

Flood Hazard

- H1 - Generally safe for vehicles, people and buildings
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Collgar Wind Farm layout

- Project Area
- Protected Areas
- Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

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Collgar Wind Farm - Existing
1% AEP - Flood Hazard

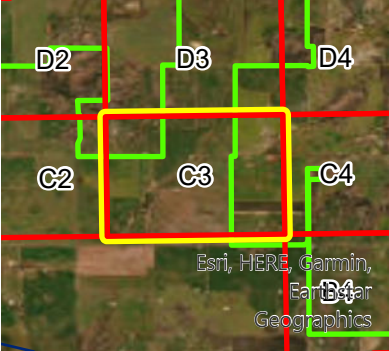


Legend

- Hydraulic Model Boundary
- Flood Hazard
 - H1 - Generally safe for vehicles, people and buildings
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Collgar Wind Farm layout

- Dwellings
- Project Area
- Protected Areas
- Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

27/8/2025

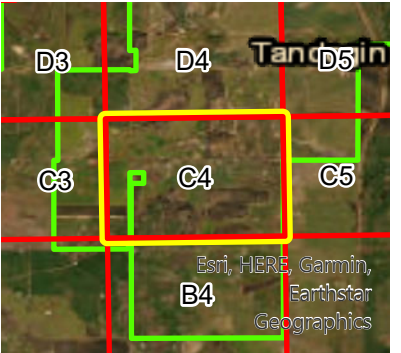
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**Collgar Wind Farm - Existing
1% AEP - Flood Hazard**



Legend

- Hydraulic Model Boundary
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 - H1 - Generally safe for vehicles, people and buildings
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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

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Collgar Wind Farm - Existing
1% AEP - Flood Hazard

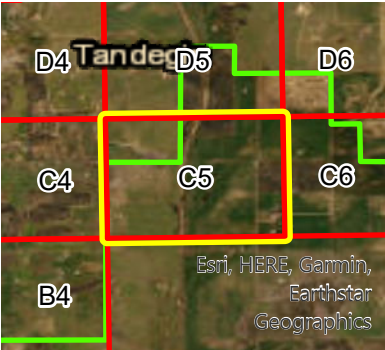


Legend

- Hydraulic Model Boundary
- Flood Hazard
 - H1 - Generally safe for vehicles, people and buildings
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 - H4 - Unsafe for vehicles and people

Collgar Wind Farm layout

- Dwellings
- Project Area
- Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

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Collgar Wind Farm - Existing
1% AEP - Flood Hazard



Legend

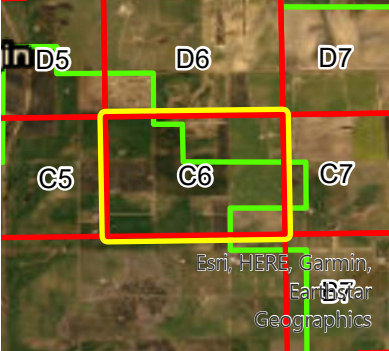
Hydraulic Model Boundary

Flood Hazard

- H1 - Generally safe for vehicles, people and buildings
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Collgar Wind Farm layout

- Project Area
- Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

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Collgar Wind Farm - Existing
1% AEP - Flood Hazard



Legend

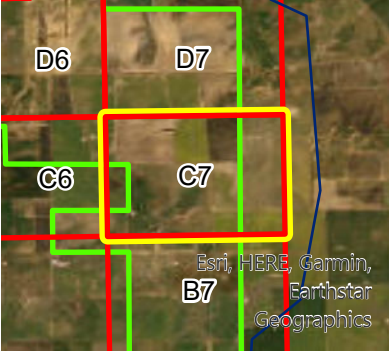
Hydraulic Model Boundary

Flood Hazard

- H1 - Generally safe for vehicles, people and buildings
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Collgar Wind Farm layout

- Project Area
- Existing Road Network



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Rev A



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A3 Scale: 1:12,500

EPSG:7850

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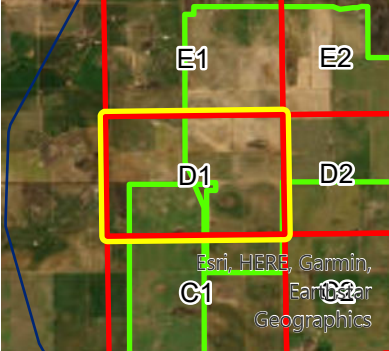
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Collgar Wind Farm - Existing
1% AEP - Flood Hazard



Legend

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 - Access Road - Centreline
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 - Protected Areas
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Rev A



0 2,500 5,000 10,000 m

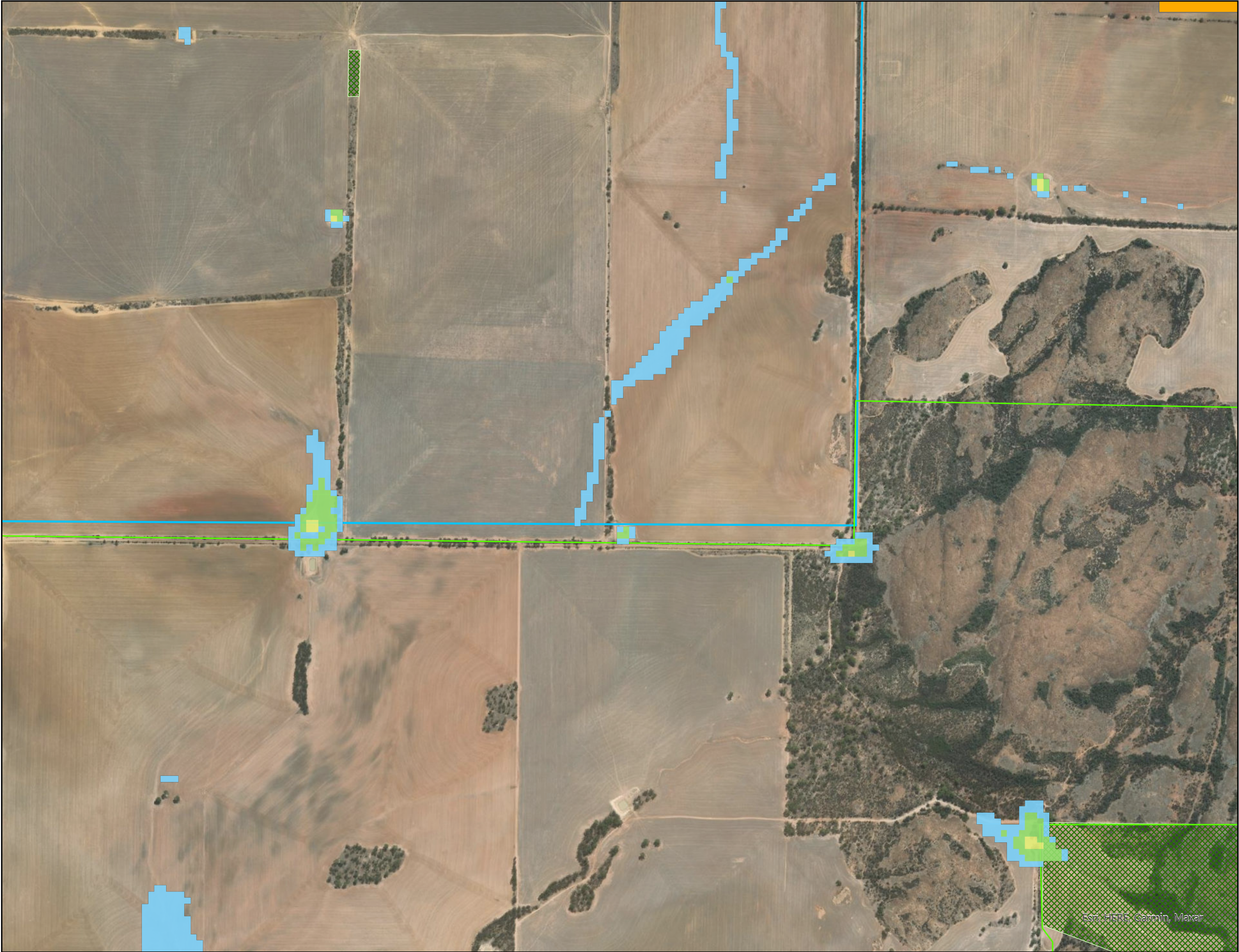
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Collgar Wind Farm - Existing
1% AEP - Flood Hazard



Legend

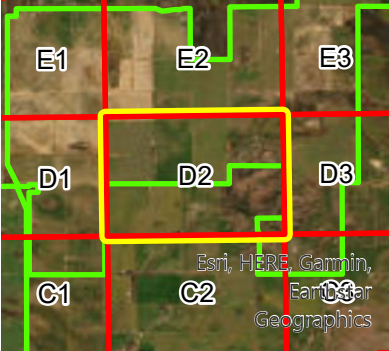
Hydraulic Model Boundary

Flood Hazard

- H1 - Generally safe for vehicles, people and buildings
- H2 - Unsafe for small vehicles
- H3 - Unsafe for vehicles, children and the elderly
- H4 - Unsafe for vehicles and people

Collgar Wind Farm layout

- Hardstands
- Substation Location
- Project Area
- Protected Areas
- Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

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Collgar Wind Farm - Existing
1% AEP - Flood Hazard

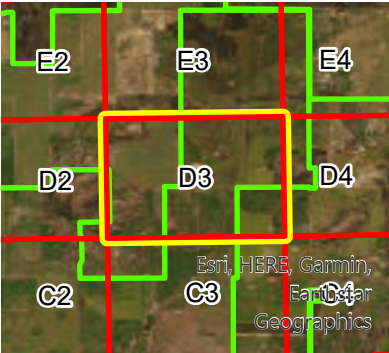


Legend

- Hydraulic Model Boundary
- Flood Hazard
 - H1 - Generally safe for vehicles, people and buildings
 - H2 - Unsafe for small vehicles
 - H3 - Unsafe for vehicles, children and the elderly
 - H4 - Unsafe for vehicles and people
 - H5 - Unsafe for vehicles and people. All building types vulnerable to structural damage. Some less robust building types vulnerable to failure

Collgar Wind Farm layout

- Wind Turbine Locations
- Hardstands
- Substation Location
- Road Layout
 - Access Road - Corridor
 - Access Road - Centreline
- Project Area
- Protected Areas
- Existing Road Network



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0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

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Collgar Wind Farm - Existing

1% AEP - Flood Hazard

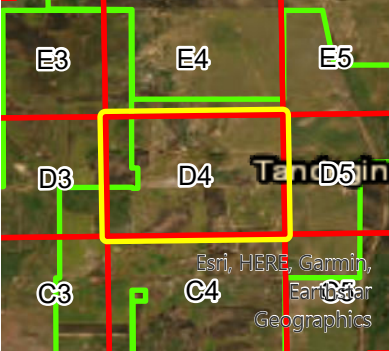


Legend

- Hydraulic Model Boundary
- Flood Hazard
 - H1 - Generally safe for vehicles, people and buildings
 - H2 - Unsafe for small vehicles
 - H3 - Unsafe for vehicles, children and the elderly
 - H4 - Unsafe for vehicles and people

Collgar Wind Farm layout

- Wind Turbine Locations
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 - Project Area
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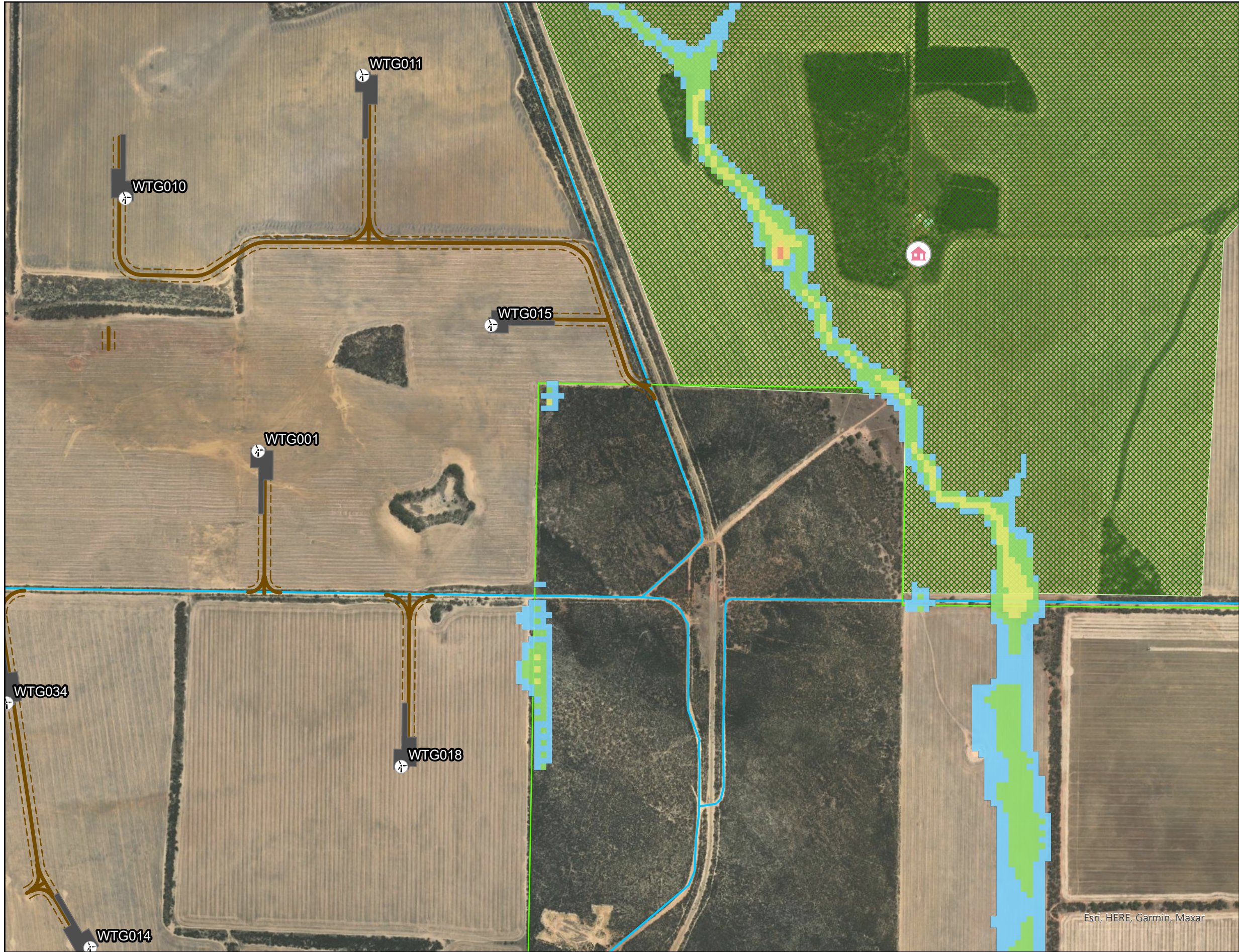
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EPSG:7850

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Collgar Wind Farm - Existing
1% AEP - Flood Hazard



Legend

Hydraulic Model Boundary

Flood Hazard

H1 - Generally safe for vehicles, people and buildings

H2 - Unsafe for small vehicles

H3 - Unsafe for vehicles, children and the elderly

H4 - Unsafe for vehicles and people

H5 - Unsafe for vehicles and people. All building types vulnerable to structural damage. Some less robust building types vulnerable to failure

H6 - Unsafe for vehicles and people. All building types vulnerable to structural damage. All building types considered vulnerable to failure

Collgar Wind Farm layout

Wind Turbine Locations

Hardstands

Dwellings

Road Layout

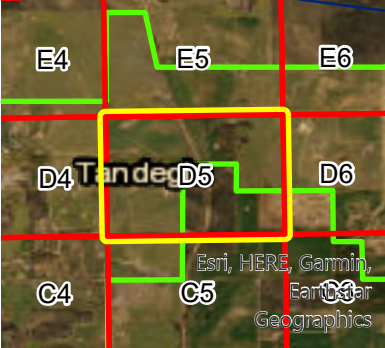
Access Road - Corridor

Access Road - Centreline

Project Area

Protected Areas

Existing Road Network



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A3 Scale: 1:12,500

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Collgar Wind Farm - Existing
1% AEP - Flood Hazard



Legend

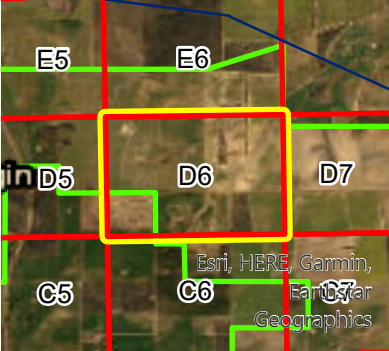
Hydraulic Model Boundary

Flood Hazard

- H1 - Generally safe for vehicles, people and buildings
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- H3 - Unsafe for vehicles, children and the elderly

Collgar Wind Farm layout

- Project Area
- Protected Areas
- Existing Road Network



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A3 Scale: 1:12,500

EPSG:7850

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Collgar Wind Farm - Existing
1% AEP - Flood Hazard



Legend

Hydraulic Model Boundary

Flood Hazard

H1 - Generally safe for vehicles, people and buildings

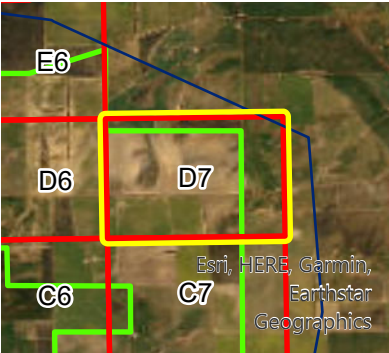
H2 - Unsafe for small vehicles

H3 - Unsafe for vehicles, children and the elderly

Collgar Wind Farm layout

Project Area

Existing Road Network



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Rev A



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A3 Scale: 1:12,500

EPSG:7850

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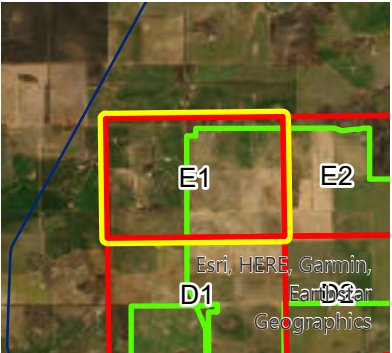
Collgar Wind Farm - Existing

1% AEP - Flood Hazard



Legend

- Hydraulic Model Boundary
- Flood Hazard**
 - H1 - Generally safe for vehicles, people and buildings
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- Collgar Wind Farm layout**
 - Wind Turbine Locations
 - Hardstands
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- Road Layout**
 - Access Road - Corridor
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Rev A



0 2,500 5,000 10,000 m

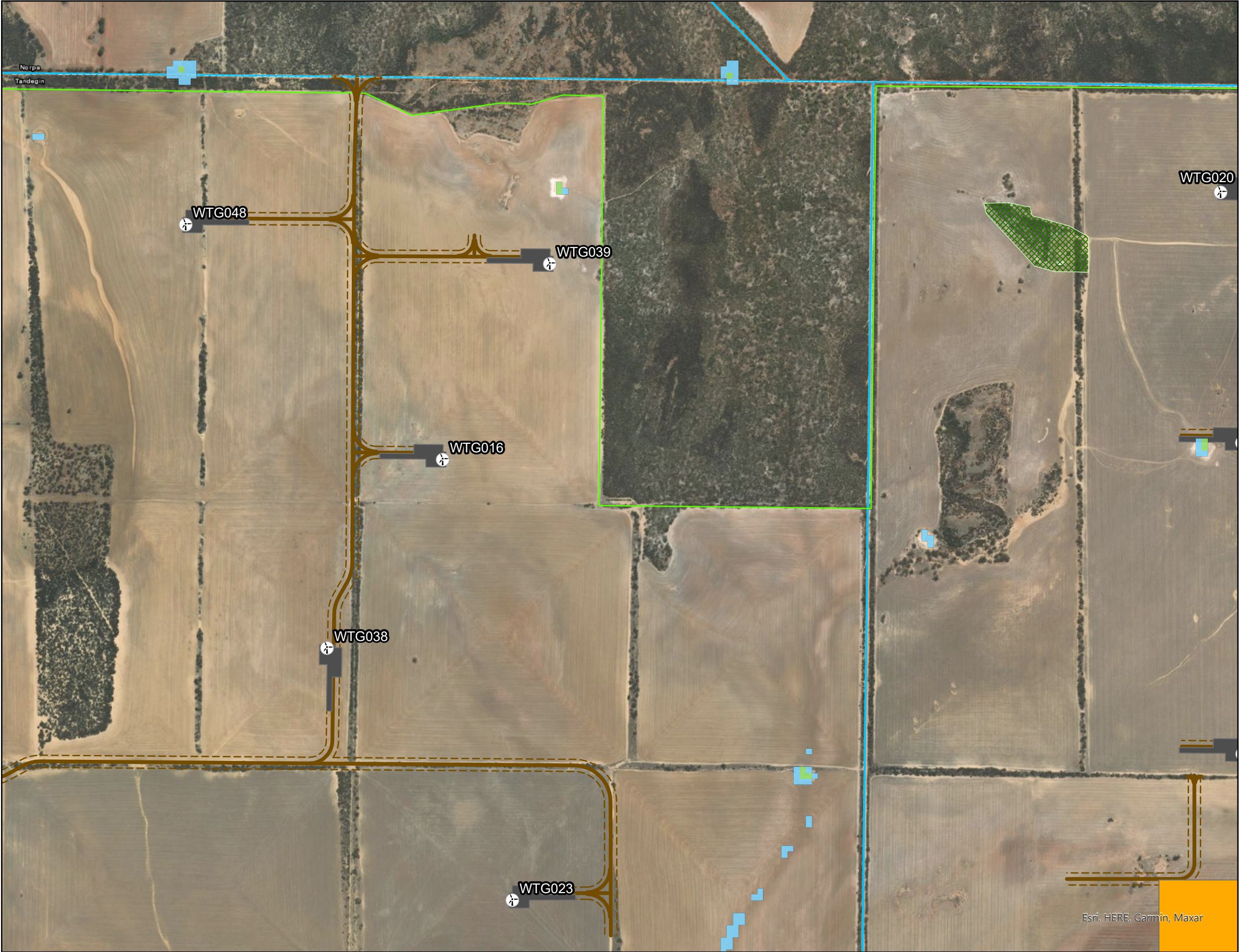
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27/8/2025

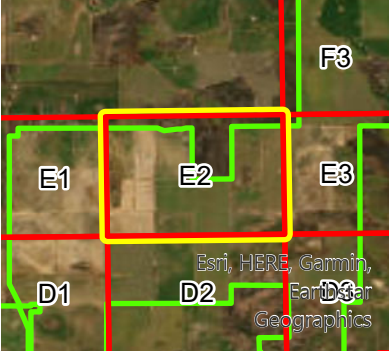
528866

**Collgar Wind Farm - Existing
1% AEP - Flood Hazard**



Legend

- Hydraulic Model Boundary
- Flood Hazard
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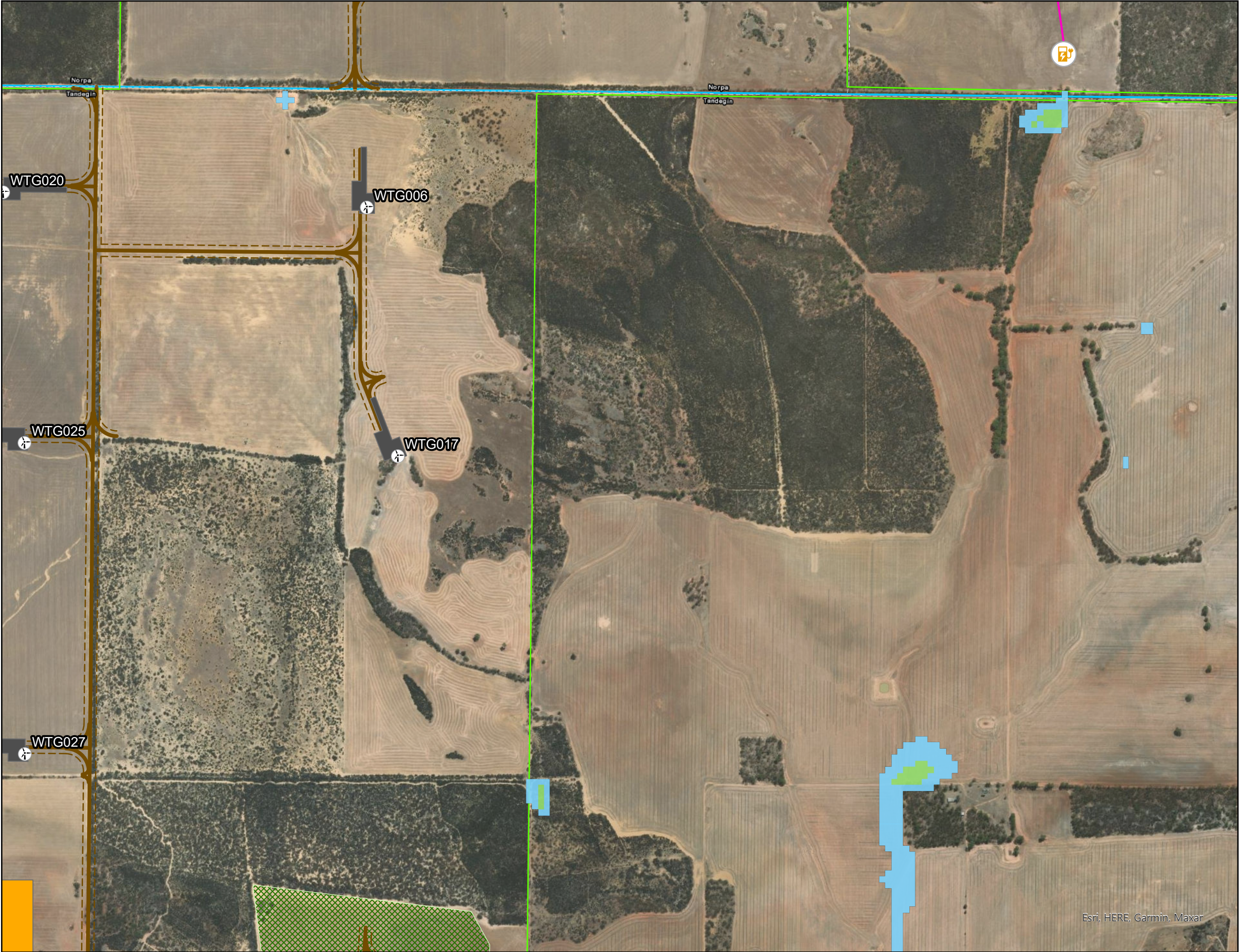
Rev A



0 2,500 5,000 10,000 m
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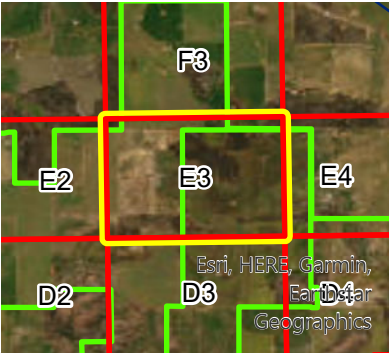
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Collgar Wind Farm - Existing
1% AEP - Flood Hazard



Legend

- Hydraulic Model Boundary
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 - Substation Location
 - Substation
 - OHTL 220kV
- Road Layout
 - Access Road - Corridor
 - Access Road - Centreline
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 - Existing Road Network



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Rev A



0 2,500 5,000 10,000 m

A3 Scale: 1:12,500

EPSG:7850

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Collgar Wind Farm - Existing
1% AEP - Flood Hazard



Legend

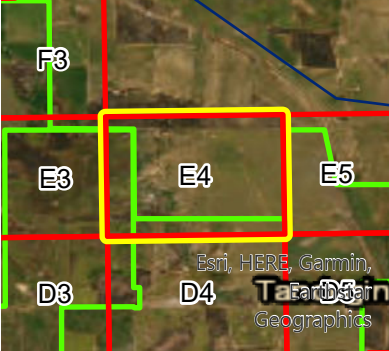
Hydraulic Model Boundary

Flood Hazard

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Collgar Wind Farm layout

- Project Area
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Rev A



0 2,500 5,000 10,000 m

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Collgar Wind Farm - Existing
1% AEP - Flood Hazard



Legend

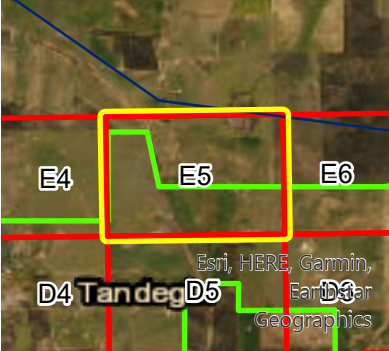
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Collgar Wind Farm layout

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Rev A



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27/8/2025

528866

Collgar Wind Farm - Existing
1% AEP - Flood Hazard



Legend

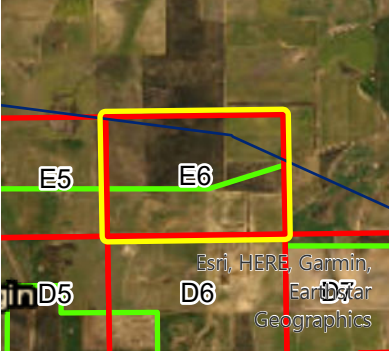
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Collgar Wind Farm layout

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Rev A



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27/8/2025

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Collgar Wind Farm - Existing
1% AEP - Flood Hazard



Legend

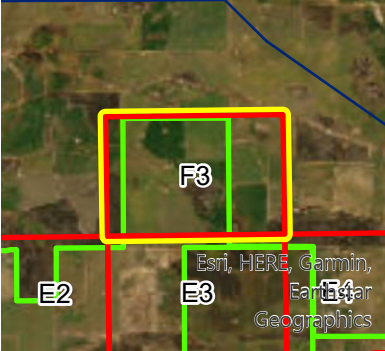
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Collgar Wind Farm layout

- Wind Turbine Locations
- Hardstands
- OHTL 220kV
- Dwellings

Road Layout

- Access Road - Corridor
- Access Road - Centreline
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Rev A



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Collgar Wind Farm - Existing
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