

Addendum A

Residential Dwelling R107 (Quinton) reposition

16 October 2012

This addendum has been prepared to present a review and assessment of the potential visual impact of the Crookwell 3 wind farm (south and east turbines) on residential dwelling R107 (property name Quinton) which, due to a tabulated coordinate error, has been incorrectly positioned on figures accompanying the Crookwell 3 wind farm Environmental Assessment (EA) report.

The position of residential dwelling R107 as presented in the Crookwell 3 wind farm EA occurs approximately 3.3 km to the south of the Crookwell 3 east turbines; however, the correct position of residential dwelling R107 has been identified as approximately 3.7 km to the north of the Crookwell 3 east turbines.

The following figures presented in the Crookwell 3 wind farm EA Landscape and Visual Impact Assessment (LVIA) report have been amended and attached to this addendum to illustrate the correct location for residential dwelling R107:

Figure 3 – ZVI Diagram 1 - Crookwell 3 – Tip of blade (EA LVIA page 29-1)

Figure 4 – ZVI Diagram 2 – Crookwell 3 – Rotor face (EA LVIA page 29-2)

Figure 17 – Residential View Locations (EA LVIA page 48-1)

Figure 21 – ZVI Diagram 3 – Cumulative Crookwell 3 and Crookwell 1 (EA LVIA page 96-1)

Figure 22 – ZVI Diagram 4 – Cumulative Crookwell 3 and Crookwell 2 (EA LVIA page 96-2)

Figure 23 – ZVI Diagram 5 – Cumulative Crookwell 3 and Gullen Range (EA LVIA page 96-3)

Figure 24 – ZVI Diagram 6 – Cumulative Crookwell 1,2,3 and Gullen Range (EA LVIA page 96-4)

The assessment of potential visual impact for residential dwelling R107 included in the Crookwell 3 wind farm EA is presented in Table 16 Residential View Location Matrix (page 75 of the EA LVIA) and is reproduced below:

Crookwell 3 wind farm EA LVIA (page 75), Table 16 - Residential View Location Matrix

View location reference	Category of view location	View context	Distance to closest turbine Crookwell 3 South	Distance to closest turbine Crookwell 3 East	Relative number of people	Period of view	View location sensitivity	Visual Impact Crookwell 3 South	Visual Impact Crookwell 3 East
R107	Residential Dwelling 'Quinton'	Views west to north west toward Crookwell 3 South are largely blocked by landform and scattered tree cover. Views north extend toward Crookwell 3 East site.	7.9 km	3.3 km	Very Low	Long Term	High	Nil	High

Table A -1 presents a revised visual assessment and resultant potential visual impact for residential dwelling R107 following the repositioning of residential dwelling R107 as illustrated on the amended Figure 17 – Residential View Locations included in this addendum.

Table A-1, Amended Residential View Location Matrix for residential dwelling R107

View location reference	Category of view location	View context	Distance to closest turbine Crookwell 3 South	Distance to closest turbine Crookwell 3 East	Relative number of people	Period of view	View location sensitivity	Visual Impact Crookwell 3 South	Visual Impact Crookwell 3 East
R107	Residential Dwelling 'Quinton'	Views south toward the Crookwell 3 East and South turbines are largely blocked by landform and scattered tree cover.	10.9 km	3.7 km	Very Low	Long Term	High	Nil	Nil

The resultant potential visual impact for residential dwelling R107 has subsequently been revised to a Nil visual impact (from a High visual impact) for the Crookwell 3 East turbines. The potential visual impact for the Crookwell 3 South turbines remains Nil.

The summary of visual impact ratings within the Crookwell 3 wind farm 5 km viewshed as outlined in the Crookwell 3 wind farm EA LVIA (Table 18, page 92) have been amended in Table A-2 as follows:

Table A- 2, Summary of Visual Impact Rating within 5km viewshed

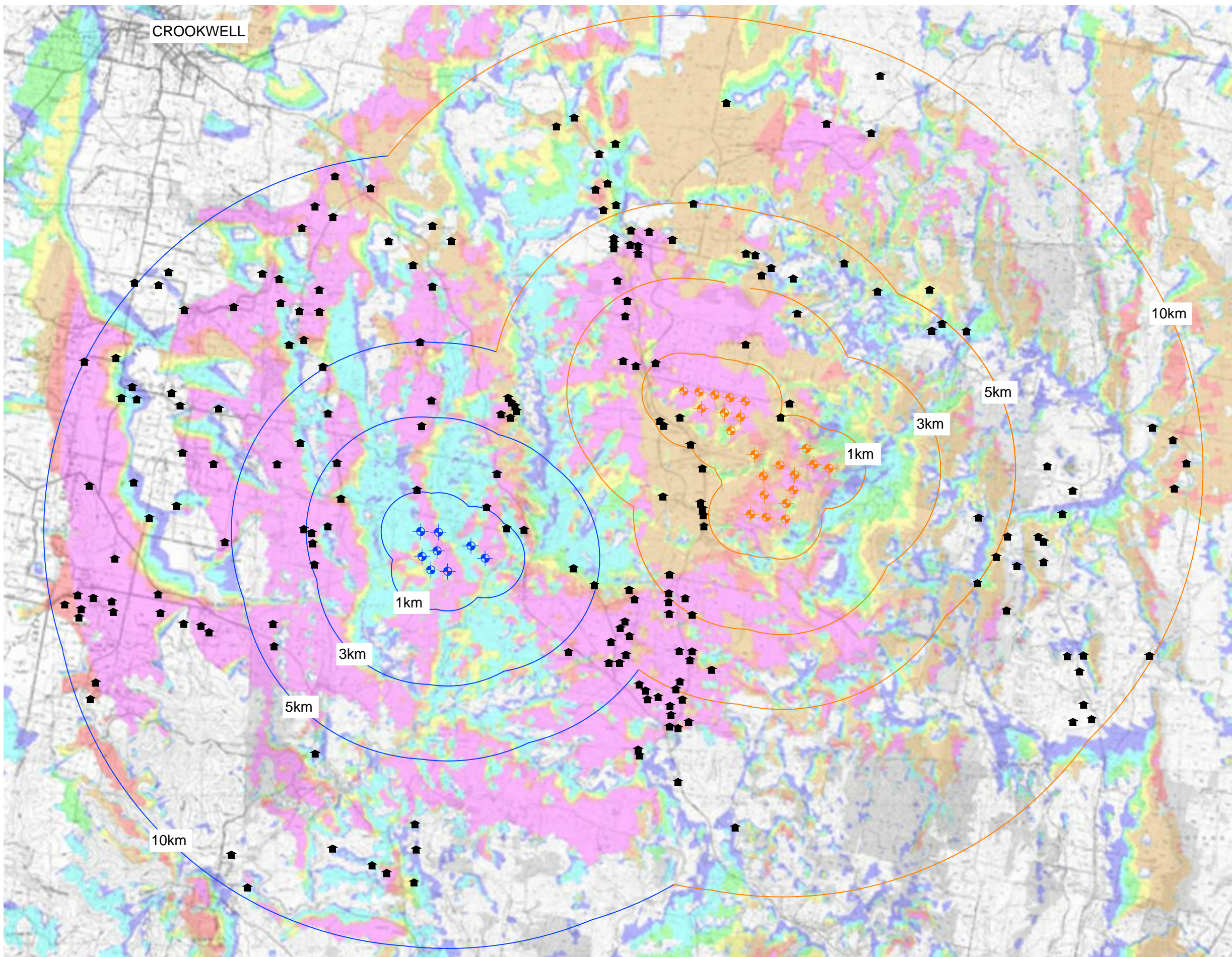
	Visual Impact Rating within 5km Crookwell 3 viewshed (Total from 124 residential dwellings)					
	Nil	Low	Low to Moderate	Moderate	Moderate to High	High
Crookwell 3 South	71 (57%)	30 (24.5%)	5 (4.5%)	8 (6%)	7 (5.5%)	3 (2.5%)
Crookwell 3 East	33 (27%)	55 (45%)	10 (8%)	8 (6%)	4 (3%)	14 (11%)

In summary residential dwelling R107 has been repositioned due to a tabulated coordinate error.

The potential visual impact for residential dwelling R107 has been re-assessed and determined following the repositioning of the residential dwelling on the relevant Crookwell 3 EA LVIA figures.

The resultant visual impact for residential dwelling R107 has been amended from a High to a Nil visual impact for the Crookwell 3 East turbines and remains a Nil visual impact for the Crookwell 3 South turbines.

Figure 3 ZVI Diagram 1
 Crookwell 3 - Tip of blade
 Addendum A



Legend

- Proposed Crookwell 3 East Turbine
- Proposed Crookwell 3 South Turbine
- Distance from proposed Crookwell 3 South turbine
- Distance from proposed Crookwell 3 East turbine
- Residential dwelling

Legend (ZVI Tips visible)

- 0 - 4
- 5 - 9
- 10 - 14
- 15 - 19
- 20 - 24
- 25 - 29
- 30



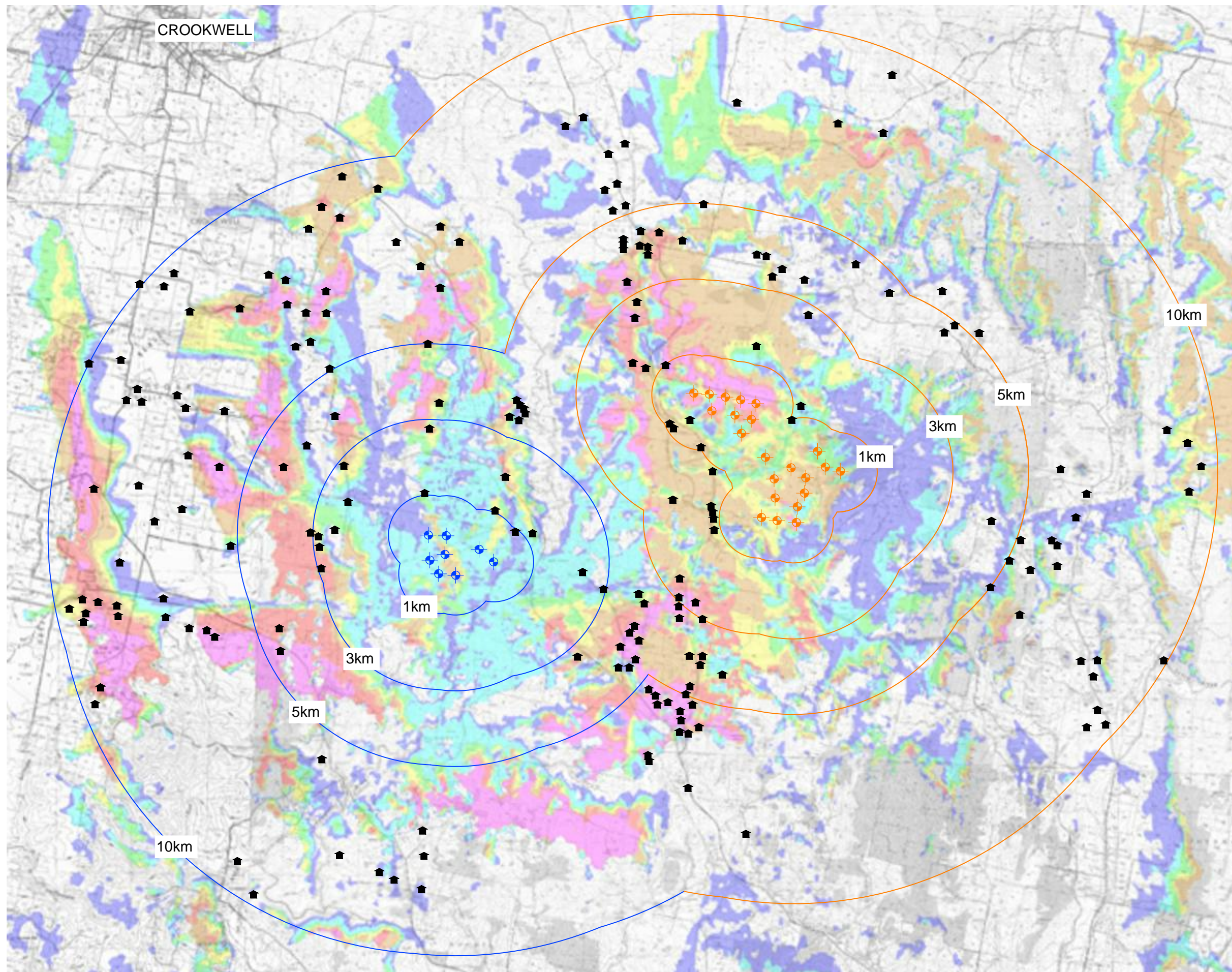
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Figure 4 ZVI Diagram 2
 Crookwell 3 - Rotor face
 Addendum A

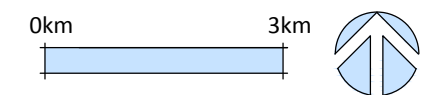


Legend

- Proposed Crookwell 3 East Turbine
- Proposed Crookwell 3 South Turbine
- Distance from proposed Crookwell 3 South turbine
- Distance from proposed Crookwell 3 East turbine
- Residence

Legend (ZVI Rotors visible)

- 0 - 4
- 5 - 9
- 10 - 14
- 15 - 19
- 20 - 24
- 25 - 29
- 30



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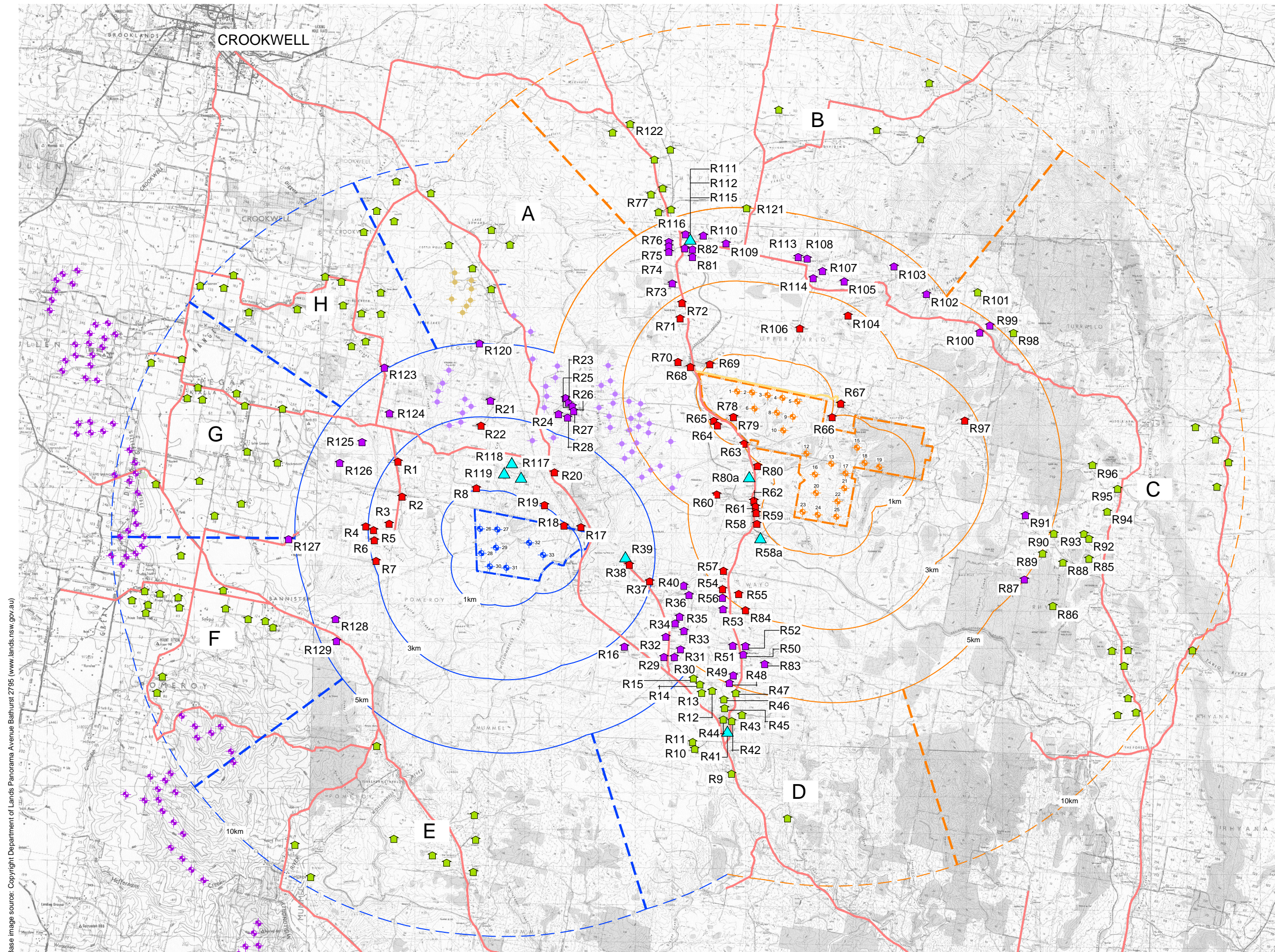
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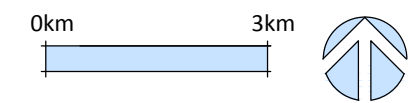
Figure 17
Residential View Locations
Addendum A

Legend

-  Residence - within 3km of proposed Crookwell 3 turbines
-  Residence - between 3km and 5km of proposed Crookwell 3 turbines
-  Residence - between 5km and 10km of proposed Crookwell 3 turbines
-  Potential future or non-residential structure (included in Table 16 - Residential View Location Matrix)
-  Proposed Crookwell 3 East Turbine
-  Proposed Crookwell 3 South Turbine
-  Approved Crookwell 2 Turbine
-  Crookwell Turbine (Existing)
-  Approved Gullen Range Turbine



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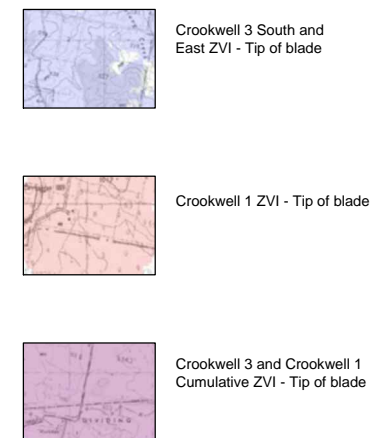
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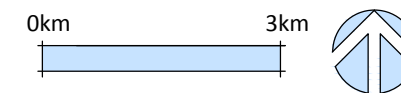
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Figure 21 ZVI Diagram 3
Cumulative Crookwell 3
and Crookwell 1
Addendum A

Legend

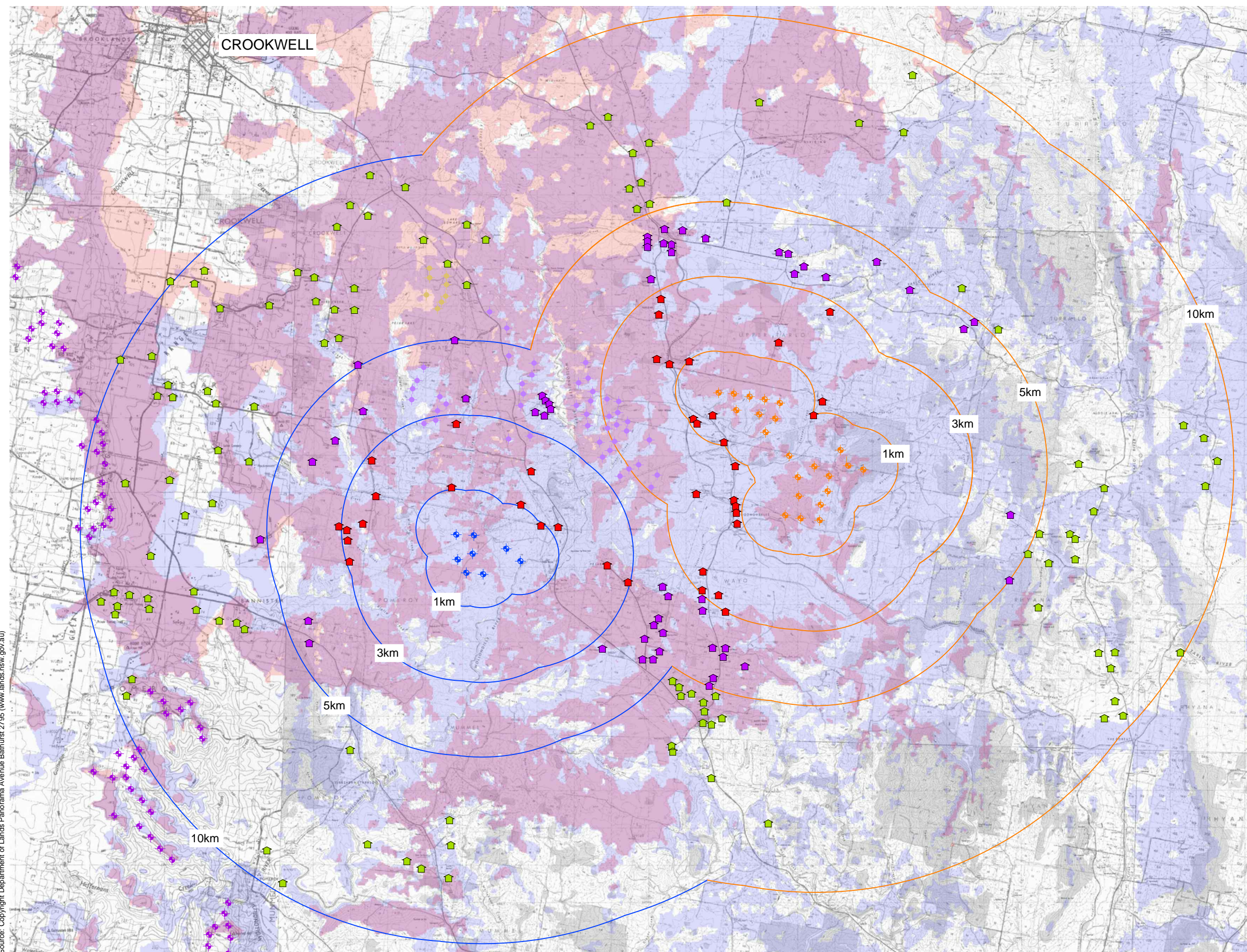


- Residence - within 3km of Crookwell 3 turbines
- Residence - between 3km and 5km of Crookwell 3 turbines
- Residence - between 5km and 10km of Crookwell 3 turbines
- Proposed Crookwell 3 East Turbine
- Proposed Crookwell 3 South Turbine
- Approved Crookwell 2 Turbine
- Existing Crookwell Turbine
- Approved Gullen Range Turbine



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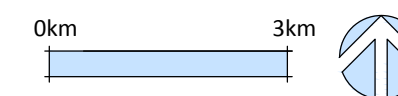
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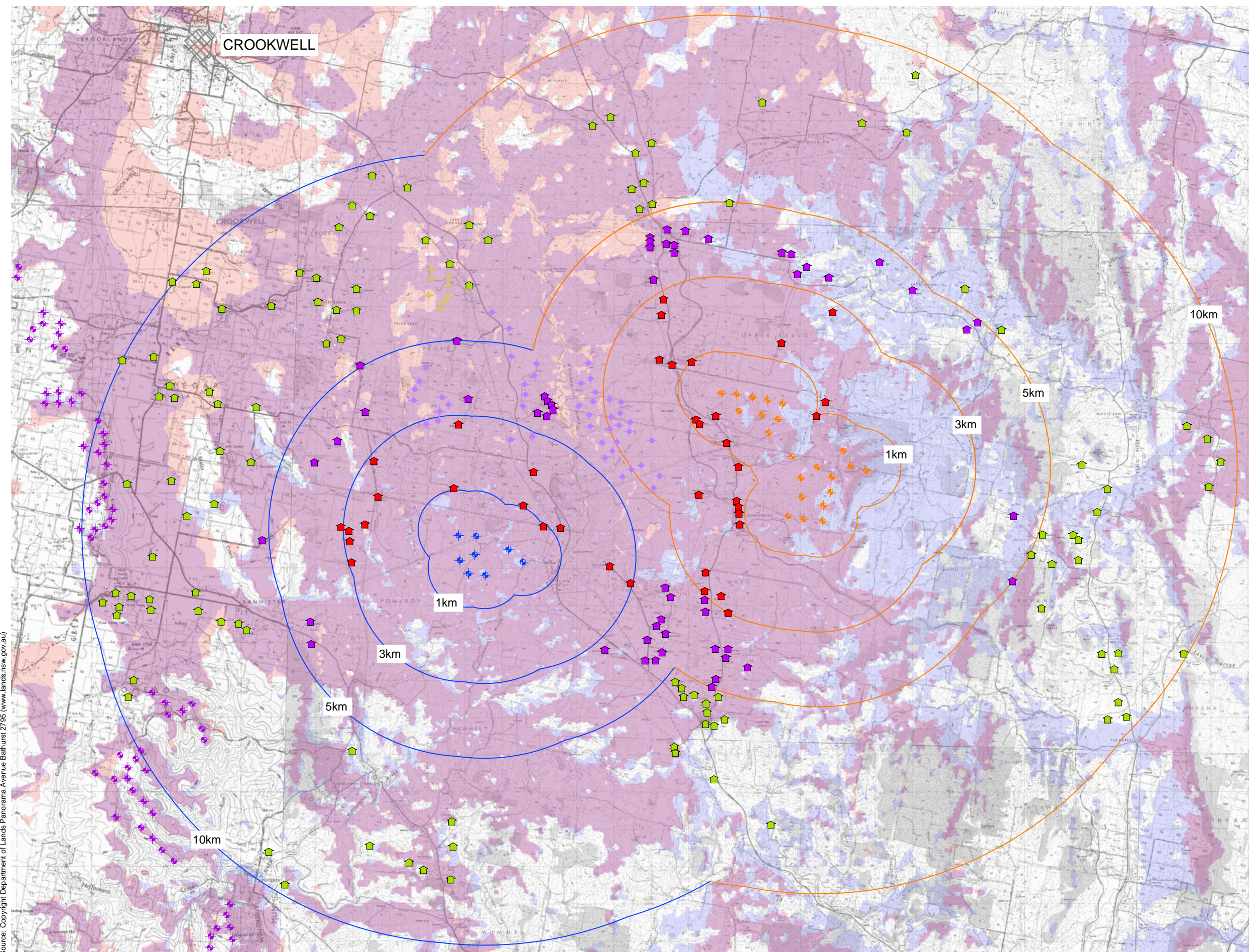
Figure 22 ZVI Diagram 4
Cumulative Crookwell 3
and Crookwell 2
Addendum A

Legend

-  Crookwell 3 South and East ZVI - Tip of blade
-  Crookwell 2 ZVI - Tip of blade
-  Crookwell 3 and Crookwell 2 Cumulative ZVI - Tip of blade
-  Residence - within 3km of Crookwell 3 turbines
-  Residence - between 3km and 5km of Crookwell 3 turbines
-  Residence - between 5km and 10km of Crookwell 3 turbines
-  Proposed Crookwell 3 East Turbine
-  Proposed Crookwell 3 South Turbine
-  Approved Crookwell 2 Turbine
-  Existing Crookwell Turbine
-  Approved Gullen Range Turbine



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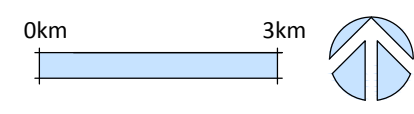
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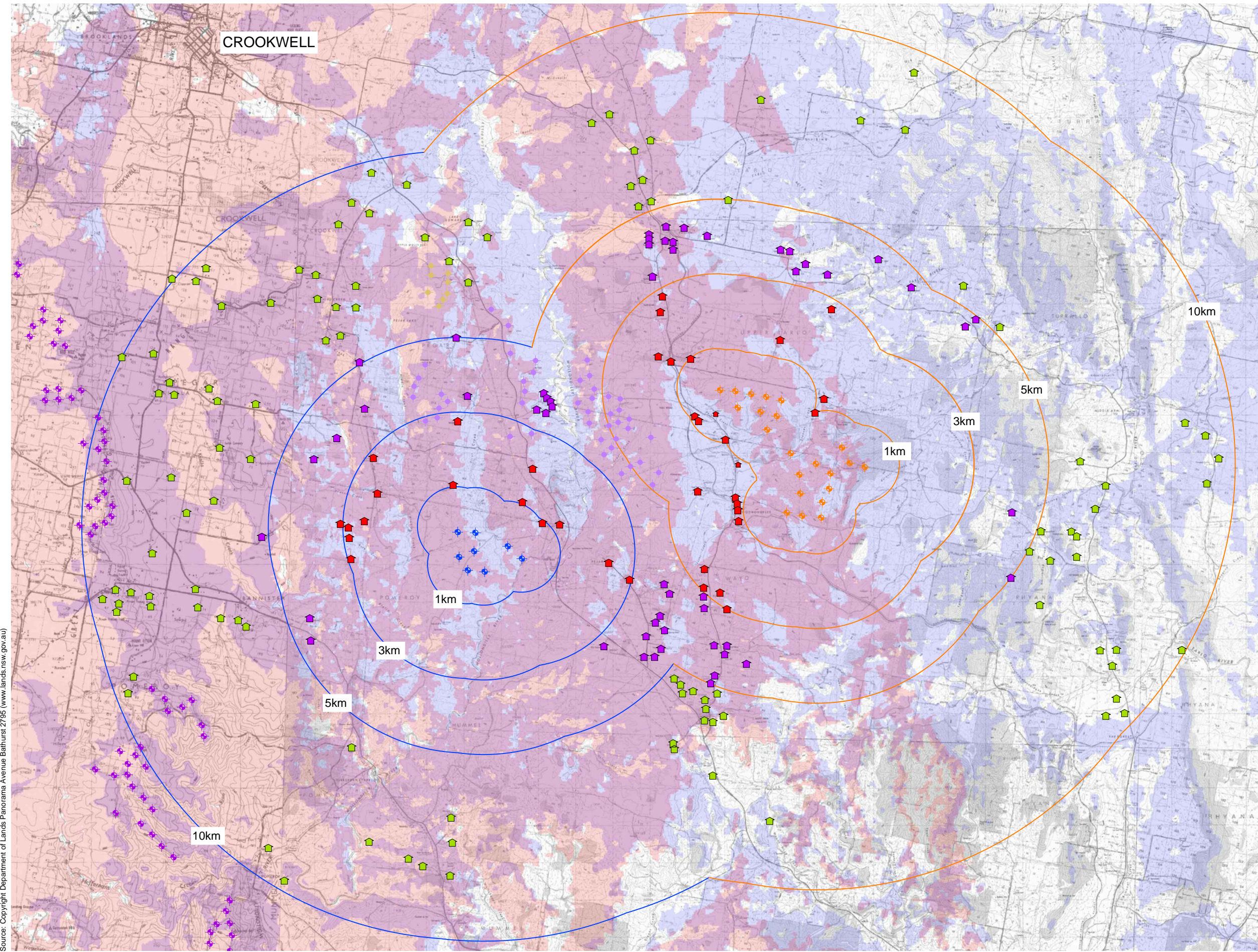
Figure 23 ZVI Diagram 5
Cumulative Crookwell 3
and Gullen Range
Addenda A

Legend

-  Crookwell 3 South and East ZVI - Tip of blade
-  Gullen Range ZVI - Tip of blade
-  Crookwell 3 and Gullen Range Cumulative ZVI - Tip of blade
-  Residence - within 3km of Crookwell 3 turbines
-  Residence - between 3km and 5km of Crookwell 3 turbines
-  Residence - between 5km and 10km of Crookwell 3 turbines
-  Crookwell 3 East Turbine
-  Crookwell 3 South Turbine
-  Crookwell 2 Turbine (Approved)
-  Crookwell Turbine (Existing)
-  Gullen Range Turbine (Approved)



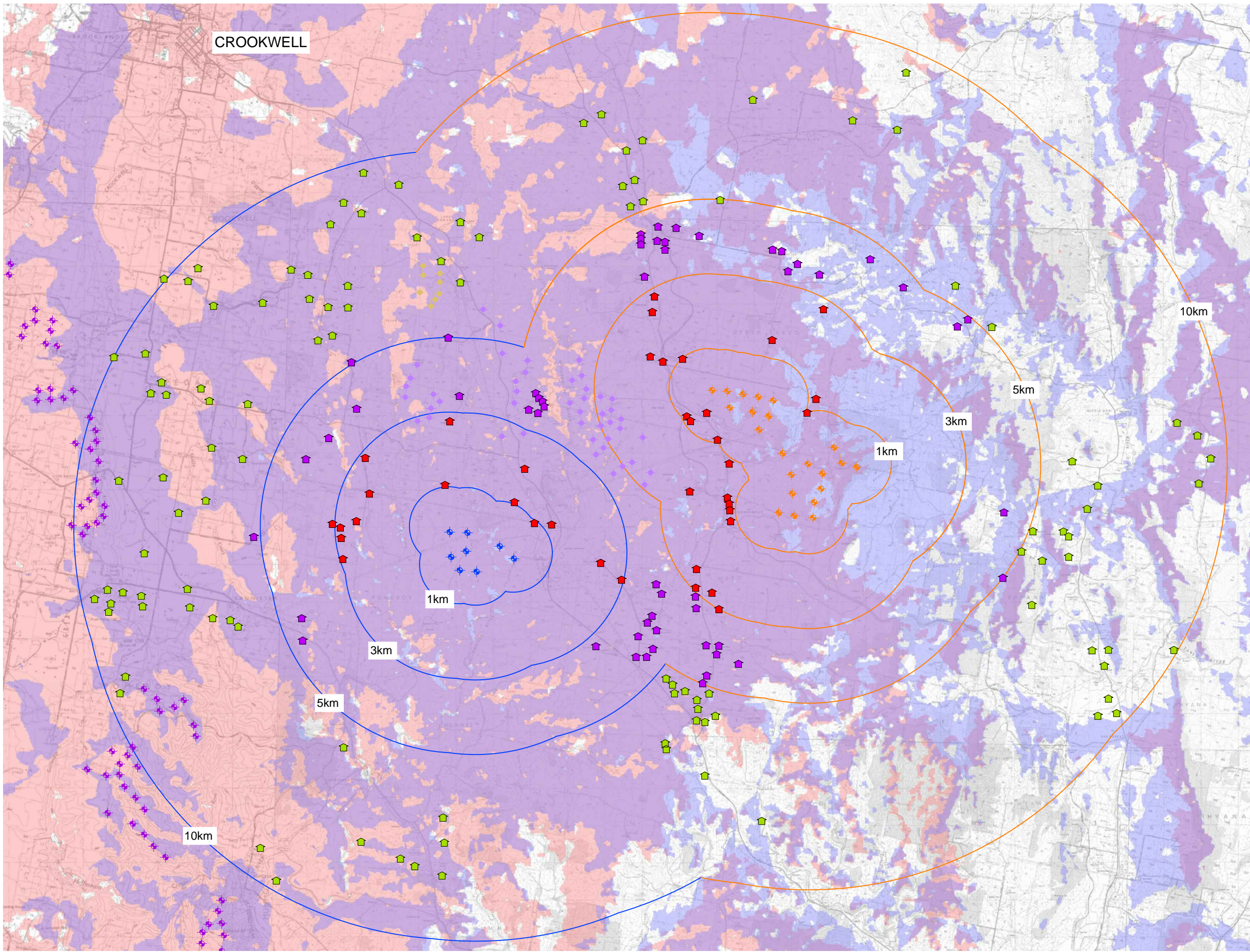
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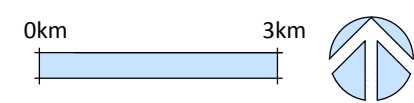
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Figure 24 ZVI Diagram 6
Cumulative Crookwell 1,
2, 3 and Gullen Range
Addendum A



Legend

-  Crookwell 3 South and East ZVI - Tip of blade
-  Crookwell 1, 2 and Gullen Range Cumulative ZVI - Tip of blade
-  Crookwell 1, 2, 3 and Gullen Range Cumulative ZVI - Tip of blade
-  Residence - within 3km of Crookwell 3 turbines
-  Residence - between 3km and 5km of Crookwell 3 turbines
-  Residence - between 5km and 10km of Crookwell 3 turbines
-  Proposed Crookwell 3 East Turbine
-  Proposed Crookwell 3 South Turbine
-  Approved Crookwell 2 Turbine
-  Existing Crookwell Turbine
-  Approved Gullen Range Turbine



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