

19th September 2014

Bulgana Wind Farm Pty Ltd c/o Wind Prospect Pty Ltd Suite 10, 19-35 Gertrude St Fitzroy VIC 3065

Attention: Alastair Smith (Development Manager)

By email — alastair.smith@windprospect.com.au (phone (03) 9005 9075)

Dear Alastair,

RE: BULGANA WIND FARM: DESKTOP ASSESSMENT OF ACCESS POINTS BL&A PROJECT NUMBER 13051.7

Wind Prospect Pty Ltd, on behalf of Bulgana Wind Farm Pty Ltd, engaged Brett Lane & Associates Pty. Ltd. (BL&A) to carry out a desktop assessment of potential impacts to native vegetation based on the swept path analysis presented in Aurecon (2014). The purpose of this letter is to give an indication of the area and quality of native vegetation proposed to be removed, based on a desktop analysis of ecological values onsite.

Impacts to native vegetation were based on analysis of aerial photographs of each site, overlayed with polygons showing the areas of removal based on the swept path analysis. DEPI's Native Vegetation Information Management (NVIM) system was used to determine the location risk, condition score and strategic biodiversity score of each area proposed for removal.

A detailed table is provided in Appendix 1 which outlines the potential impacts to native vegetation at each access point. Figures 1 to 9 present the Local Road Routes detailed in Table 5-8 of Aurecon (2014), while Figures 10 to 16 present the Land Parcel Access Routes presented in Table 5-7 of Aurecon (2014). Access locations 6 & 7 in Table 5-7 are not detailed here, as native vegetation removal has already been assessed (reported in BL&A (2014)) and an offset site has been proposed for these areas. For some access points (shown in Figures 12, 14 & 16), additional native vegetation removal to that detailed in BL&A (2014) is required. Native vegetation proposed for removal that has already been assessed is detailed on these figures.

Based on the desktop analysis, the current construction footprint under the swept path analysis will result in the removal of approximately 1.758 hectares of native vegetation within the Wimmera Catchment Management Authority. All access points are mapped as Location A on NVIM, which is considered to be lower risk as compared to Location B or C. Native vegetation removal for the proposed Bulgana Wind Farm will currently be assessed under the moderate risk pathway. Based on the desktop assessment, the project is still likely to be assessed under the moderate risk pathway once additional removal of native vegetation for access points has been considered.



Once the construction footprint has been finalised, an onsite assessment will be required to accurately map the native vegetation present on site. The results will be sent to the DEPI Transition Support team to provide a Biodiversity Assessment Report which will enable offsets to be determined.

Please note this assessment is only intended to give a high level indication of the extent and quality of native vegetation present. Where we were unsure if vegetation was native or exotic, we have taken the precautionary approach and assumed that it is native. It is also possible that in some locations the area of native vegetation has been underestimated; ie. areas of treeless native vegetation or situations where more than one scattered tree occurs in one location. This will be confirmed during an onsite assessment.

We look forward to being of assistance and if you have any enquiries please do not hesitate to call me.

Yours sincerely,

Dr Annabelle Stewart

* Dewort

Senior Ecologist & Project Manager

Brett Lane & Associates Pty Limited

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References

Brett Lane & Associates 2014, Bulgana Wind Farm: Flora and Fauna Assessment. Report 13051 (7.2) prepared for Bulgana Wind Farm Pty. Ltd, September 2014.

Aurecon, 2014, Bulgana Wind Farm: Draft Transport Report. Revision 2 prepared for Bulgana Wind Farm Pty Ltd, September 2014.



Appendix 1: Potential impacts to native vegetation

Figure	Location	Location risk	Loss in hectares ¹	Condition Score (out of 1) ²	Strategic Biodiversity Score ²	Overall potential impacts ³
1	Intersection of Western Highway/Allanvale Road	А	0.034	0.200	0.473	Potential impact includes loss of one patch of native vegetation
2	Intersection of Western Highway/Paxton Street	А	0.142	0.200	0.861	Potential impact includes loss of two scattered trees
3	Intersection of Sandy Creek Road/Salt Creek Road	А	0.066	0.674	0.463	Potential impact includes loss of two patches of native vegetation
4	Intersection of Salt Creek Road/Bulgana Road	А	0.058	0.228	0.240	Potential impact includes loss of two patches of native vegetation
5	Intersection of Bulgana Road/Hall Road	А	0.071	0.200	0.137	Potential impact includes loss of one scattered tree
6	Intersection of Hall Road/Joel South Road	А	0.220	0.280	0.211	Potential impact includes loss of three patches of native vegetation and two scattered trees
7	Intersection of Gibsons Road/Joel South Road	А	0.031	0.200	0.204	Potential impact includes loss of one patch of native vegetation

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Figure	Location	Location risk	Loss in hectares ¹	Condition Score (out of 1) ²	Strategic Biodiversity Score ²	Overall potential impacts ³
8	Intersection of Joel South Road/Curries Lane	Α	0.071	0.250	0.114	Potential impact includes loss of one scattered tree
9	Intersection of Vances Crossing Road/Curries Lane	А	0.034	0.200	0.149	Potential impact includes loss of two patches of native vegetation
10	Allanvale Road	А	0.454	0.277	0.186	Potential impact includes loss of one patch of native vegetation and six scattered trees
11	Intersection of Allanvale Road/Tuckers Hill Road	А	0.145	0.512	0.364	Potential impact includes loss of one patch of native vegetation and one scattered tree
12	Metcalfe Road	А	0.026	0.317	0.262	Potential impact includes loss of one patch of native vegetation
13	Salt Creek Road	А	0.144	0.422	0.268	Potential impact includes loss of one patch of native vegetation
14	Bulgana Road	А	0.020	0.200	0.192	Potential impact includes loss of one patch of native vegetation
15	Vances Crossing Road	А	0.213	0.200	0.350	Potential impact includes loss of three scattered trees

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Figure	Location	Location risk	Loss in hectares ¹	Condition Score (out of 1) ²	Strategic Biodiversity Score ²	Overall potential impacts ³
16	Joel South Road	А	0.029	0.240	0.338	Potential impact includes loss of one patch of native vegetation

¹ Loss of native vegetation in hectares calculated using shapefiles provided by client

² Condition Score and Strategic Biodiversity Score calculated using NVIM

³ Native vegetation impacts are all located in the Wimmera Catchment Management Authority

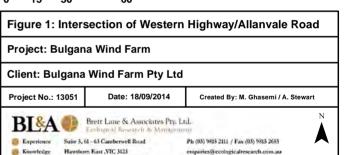


Wind farm boundary

---- Access point turns

Potential native vegetation to be removed





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— Access point turns

Potential native vegetation to be removed





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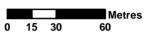
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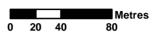
Access point turns







Access point turns

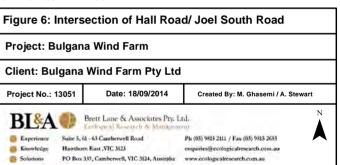






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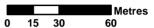






Wind farm boundary

— Access point turns

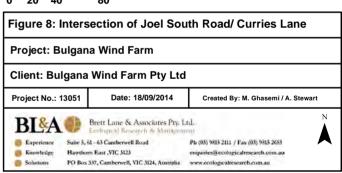






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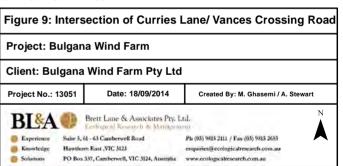


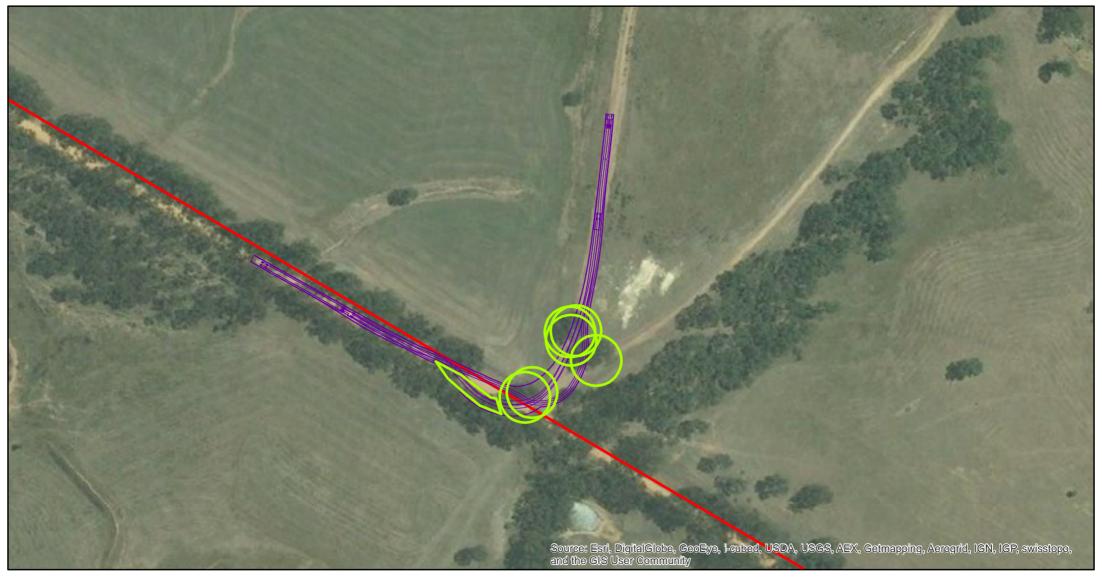




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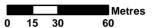






Wind farm boundary

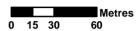
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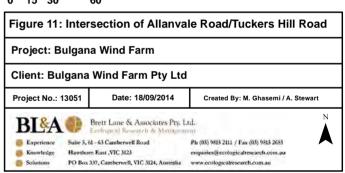


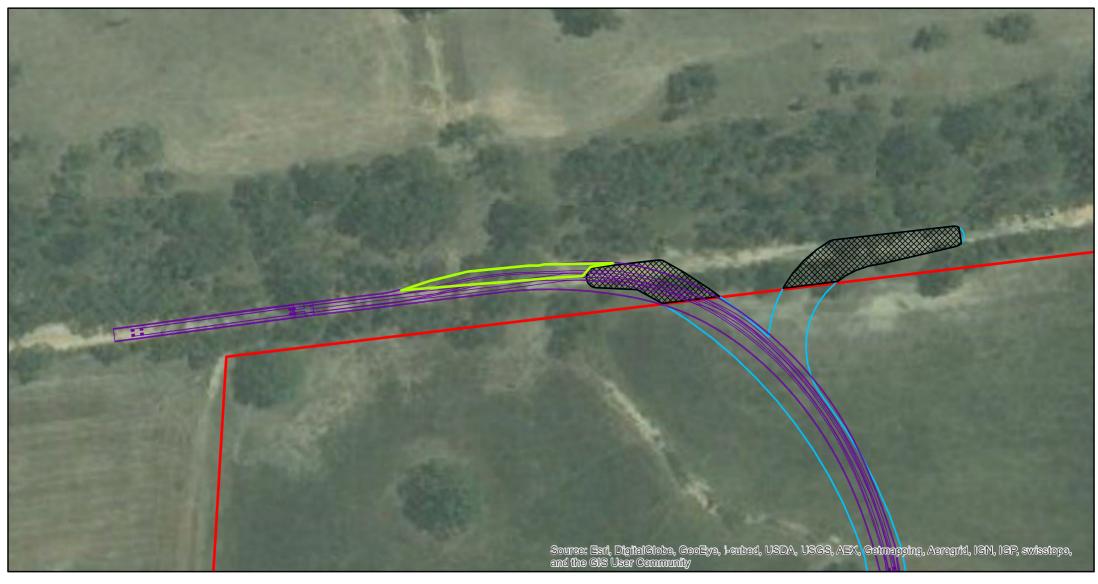




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Wind farm boundary

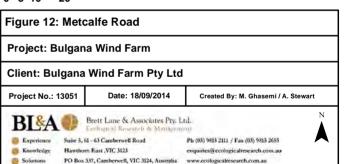
Access point turns

Potential native vegetation to be removed

Wind farm impact area

Native vegetation removal accounted for









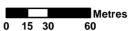
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Access point turns

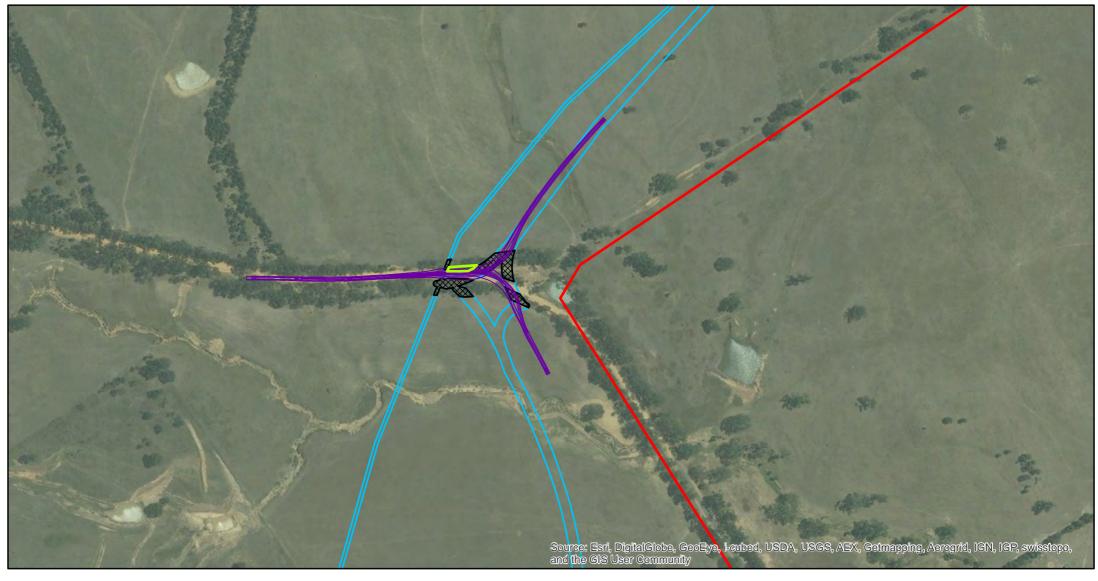
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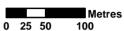
Wind farm boundary

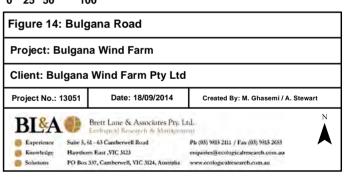
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Wind farm impact area

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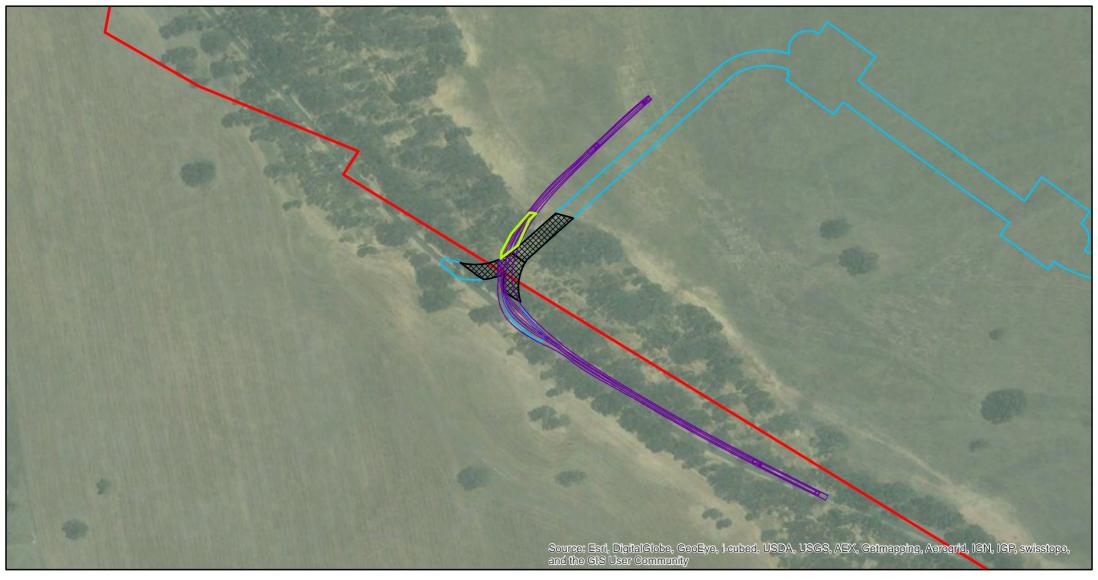


Wind farm boundary

— Access point turns







Wind farm boundary

— Access point turns

