

Biodiversity credit report



This report identifies the number and type of biodiversity credits required for a major project.

Date of report: 19/07/2017

Time: 11:07:29AM

Calculator version: v4.0

Major Project details

Proposal ID: 144/2017/4423MP

Proposal name: Coppabella Wind Farm

Proposal address: Hume Highway Bookham NSW 2582

Proponent name: Goldwind

Proponent address: Suite 2, Level 23 201 Elizabeth Street Sydney NSW 2000

Proponent phone: 02 9008 1770

Assessor name: Dave Maynard

Assessor address: PO Box 470 Bega NSW 2550

Assessor phone: (02) 64928311

Assessor accreditation: 144

Summary of ecosystem credits required

Plant Community type	Area (ha)	Credits created
Blakely's Red Gum - Yellow Box grassy tall woodland of the NSW South Western Slopes Bioregion	276.01	1,163.38
Red Stringybark - Red Box - Long-leaved Box - Inland Scribbly Gum tussock grass - shrub low open forest on hills in the southern part of the NSW South Western Slopes Bioregion	22.67	407.00
Yellow Box - River Red Gum tall grassy riverine woodland of NSW South Western Slopes Bioregion and Riverina Bioregion	0.27	8.02
Total	298.95	1,578

Credit profiles

1. Blakely's Red Gum - Yellow Box grassy tall woodland of the NSW South Western Slopes Bioregion, (MR528)

Number of ecosystem credits created

1,163

IBRA sub-region

Upper Slopes - Murrumbidgee

Offset options - Plant Community types	Offset options - IBRA sub-regions
<p>Blakely's Red Gum - Yellow Box grassy tall woodland of the NSW South Western Slopes Bioregion, (MR528)</p> <p>White Box grassy woodland in the upper slopes sub-region of the NSW South Western Slopes Bioregion, (MR561)</p> <p>Red Box - White Box +/- Red Stringybark hill woodland in the NSW South Western Slopes Bioregion, (MR677)</p>	<p>Upper Slopes - Murrumbidgee and any IBRA subregion that adjoins the IBRA subregion in which the development occurs</p>

2. Blakely's Red Gum - Yellow Box grassy tall woodland of the NSW South Western Slopes Bioregion, (MR528)

Number of ecosystem credits created

0

IBRA sub-region

Upper Slopes - Murrumbidgee

Offset options - Plant Community types	Offset options - IBRA sub-regions
Blakely's Red Gum - Yellow Box grassy tall woodland of the NSW South Western Slopes Bioregion, (MR528) White Box grassy woodland in the upper slopes sub-region of the NSW South Western Slopes Bioregion, (MR561) Red Box - White Box +/- Red Stringybark hill woodland in the NSW South Western Slopes Bioregion, (MR677)	Upper Slopes - Murrumbidgee and any IBRA subregion that adjoins the IBRA subregion in which the development occurs

3. Yellow Box - River Red Gum tall grassy riverine woodland of NSW South Western Slopes Bioregion and Riverina Bioregion, (MR616)

Number of ecosystem credits created

8

IBRA sub-region

Upper Slopes - Murrumbidgee

Offset options - Plant Community types	Offset options - IBRA sub-regions
<p>Yellow Box - River Red Gum tall grassy riverine woodland of NSW South Western Slopes Bioregion and Riverina Bioregion, (MR616)</p> <p>Western Grey Box - Poplar Box - White Cypress Pine tall woodland on red loams mainly of the eastern Cobar Penneplain Bioregion, (MR564)</p> <p>Western Grey Box - White Cypress Pine tall woodland on loam soil on alluvial plains of NSW South Western Slopes Bioregion and Riverina Bioregion, (MR565)</p> <p>Western Grey Box tall grassy woodland on alluvial loam and clay soils in the NSW South Western Slopes and Riverina Bioregions, (MR566)</p> <p>Riverine Western Grey Box grassy woodland of the semi-arid (warm) climate zone, (MR615)</p>	<p>Upper Slopes - Murrumbidgee and any IBRA subregion that adjoins the IBRA subregion in which the development occurs</p>

4. Red Stringybark - Red Box - Long-leaved Box - Inland Scribbly Gum tussock grass - shrub low open forest on hills in the southern part of the NSW South Western Slopes Bioregion, (MR598)

Number of ecosystem credits created

407

IBRA sub-region

Upper Slopes - Murrumbidgee

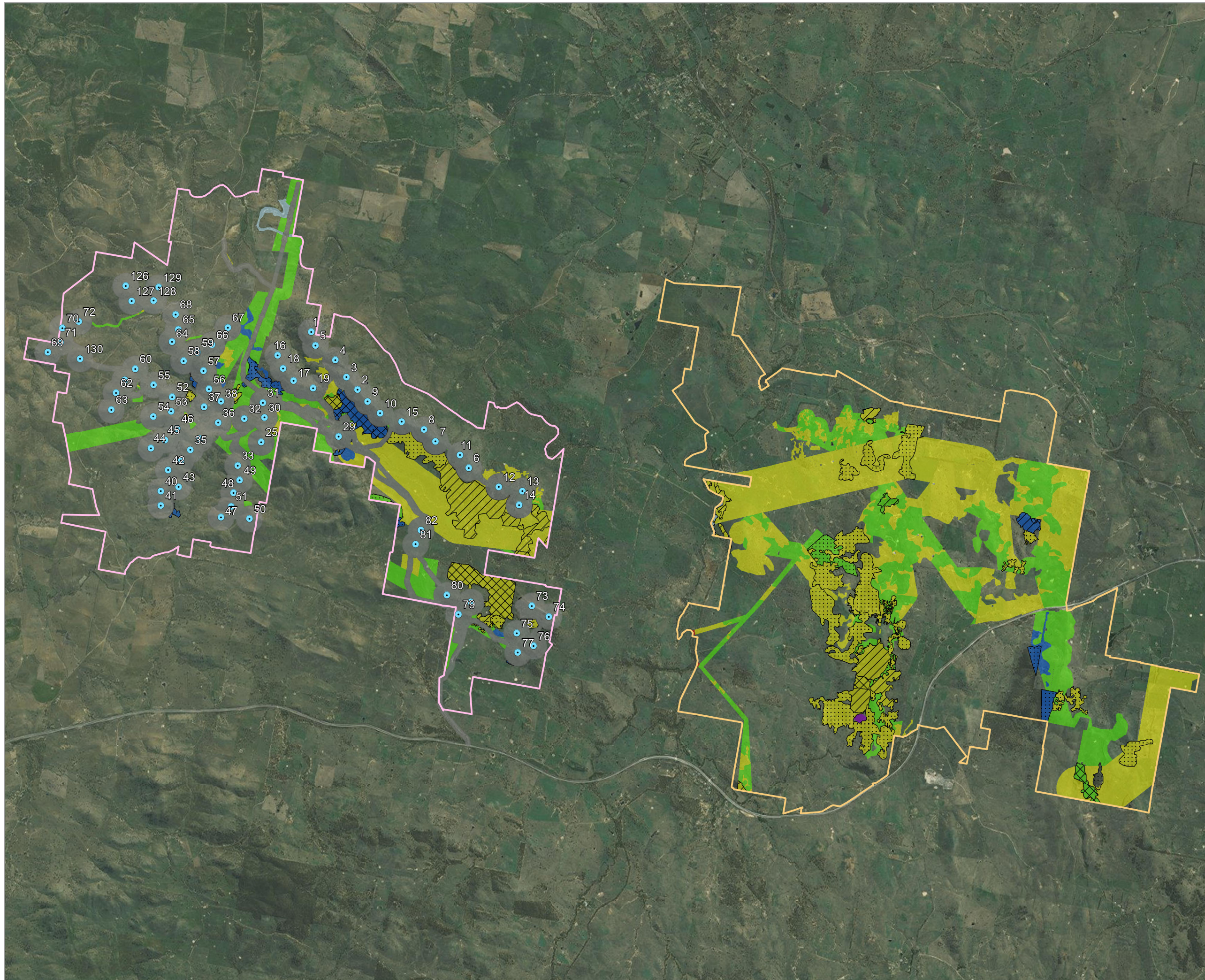
Offset options - Plant Community types	Offset options - IBRA sub-regions
<p>Red Stringybark - Red Box - Long-leaved Box - Inland Scribbly Gum tussock grass - shrub low open forest on hills in the southern part of the NSW South Western Slopes Bioregion, (MR598)</p> <p>Apple Box - Broad-leaved Peppermint - Red Stringybark shrubby hill open forest in the upper NSW South Western Slopes Bioregion and adjacent South Eastern Highlands Bioregion, (MR508)</p> <p>Apple Box - Nortons Box - Blakely's Red Gum valley flat moist grassy tall open forest in the southern NSW South Western Slopes Bioregion and adjoining South Eastern Highlands Bioregion, (MR511)</p> <p>Riparian Blakely's Red Gum - Broad-leaved Sally woodland - tea-tree - bottlebrush - wattle shrubland wetland of the NSW South Western Slopes Bioregion and South Eastern Highlands Bioregion, (MR527)</p> <p>Broad-leaved Peppermint - Nortons Box - Red Stringybark tall open forest on red clay on hills in the southern part of the NSW South Western Slopes Bioregion, (MR533)</p> <p>Broad-leaved Sally grass - sedge woodland on valley flats and swamps in the NSW South Western Slopes Bioregion and adjoining South Eastern Highlands Bioregion, (MR534)</p> <p>Mugga Ironbark - Inland Scribbly Gum - Red Box shrub/grass open forest on hills in the upper slopes sub-region of the NSW South Western Slopes Bioregion, (MR578)</p> <p>Nortons Box - Red Box - White Box tussock grass open forest of the southern section of the NSW South Western Slopes Bioregion, (MR585)</p> <p>Nortons Box - Red Stringybark grassy tall open forest on sheltered slopes in the Tumbarumba - Murray River region of the NSW South Western Slopes Bioregion, (MR586)</p> <p>Red Box - Red Stringybark - Nortons Box hill heath shrub - tussock grass open forest of the Tumut region, (MR592)</p> <p>White Box - Blakely's Red Gum - Red Box - Red Stringybark shrubby woodland on shallow soils on metamorphic hills in the Albury region of the NSW South Western Slopes Bioregion, (MR642)</p> <p>Mugga Ironbark - mixed box woodland on hills in the Cowra - Boorowa - Young region of the NSW South Western Slopes Bioregion, (MR674)</p>	<p>Upper Slopes - Murrumbidgee and any IBRA subregion that adjoins the IBRA subregion in which the development occurs</p>

Summary of species credits required

Common name	Scientific name	Extent of impact Ha or individuals	Number of species credits created
Regent Honeyeater	<i>Anthochaera phrygia</i>	44.10	3,396

AREAS BEING INVESTIGATED FOR OFFSETS

Coppabella Wind Farm



- Coppabella
- Marilba
- Approved turbines
- Infrastructure buffer
- Vegetation Condition**
- Moderate
- Moderate to good
- Good
- Vegetation types**
- Box Gum Woodland
- Box Gum Woodland Derived Grassland
- Box Gum Woodland, *Kunzea ericoides*
- Long-leaved Box Dry Grass Forest
- Riparian
- River Red Gum

Notes:
 - Design data courtesy of Goldwind, received Mar 2017
 - Vegetation data NGH Environmental 2015
 - Aerial imagery courtesy of Epuron 2012



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