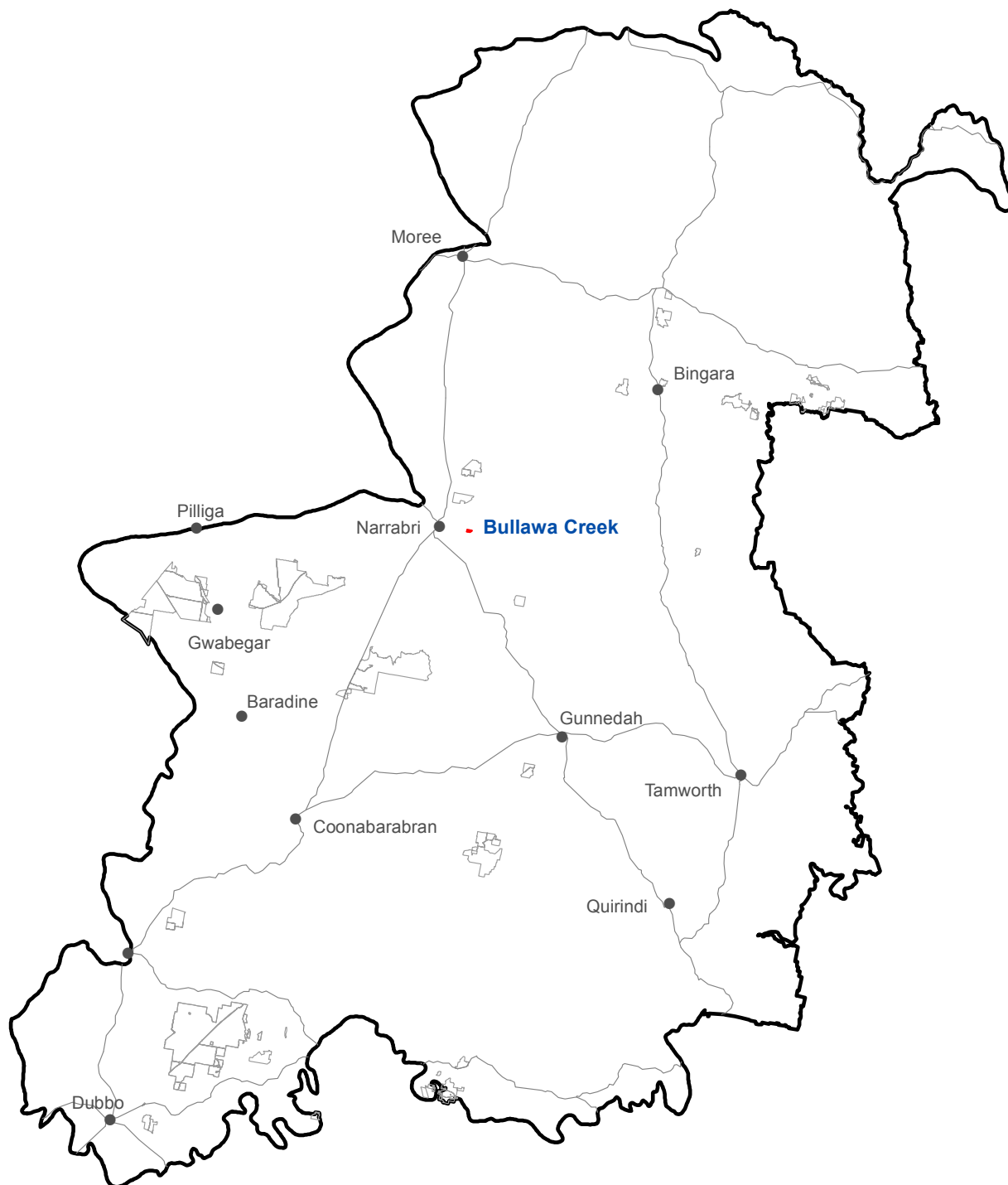


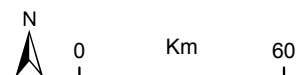
Bullawa Creek State Conservation Area (99 hectares)

Location



- Bullawa Creek State Conservation Area
- Other Zone 3 State Conservation Areas

Spatial data courtesy of Office of Environment and Heritage.



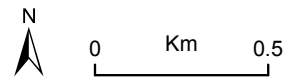
Bullawa Creek State Conservation Area

Aerial



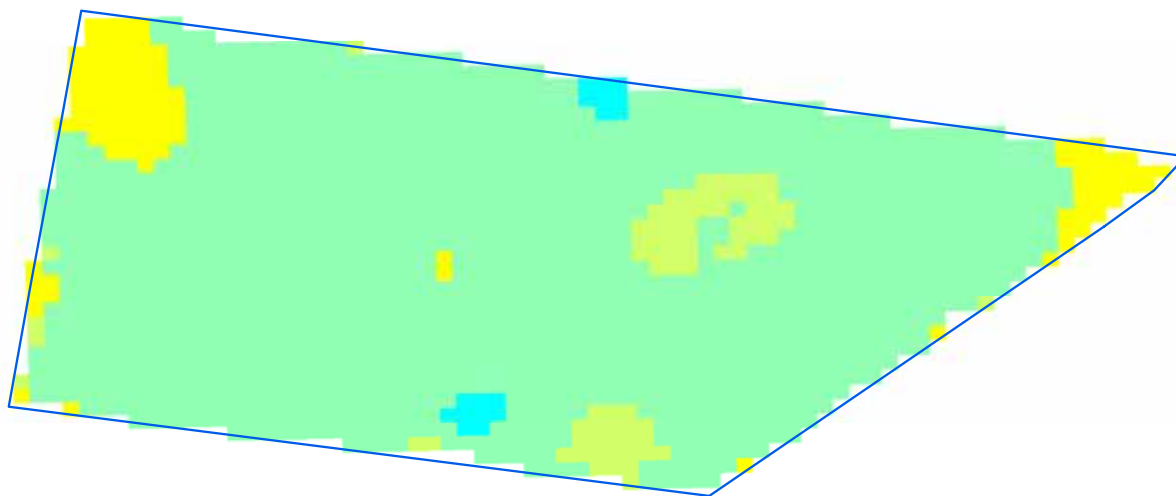
 Bullawa Creek State Conservation Area boundary

ADS40 Airborne Digital Sensor data.
Spatial data courtesy of Office of Environment and Heritage.
Spatial analysis by Remote Census Pty Ltd (2014).



Bullawa Creek State Conservation Area

Predicted location - white cypress pine



Relative probability (%) of white cypress pine occurrence

0 - 10

10 - 20

20 - 30

30 - 40

40 - 50

50 - 60

60 - 70

70 - 80

80 - 90

90 - 100

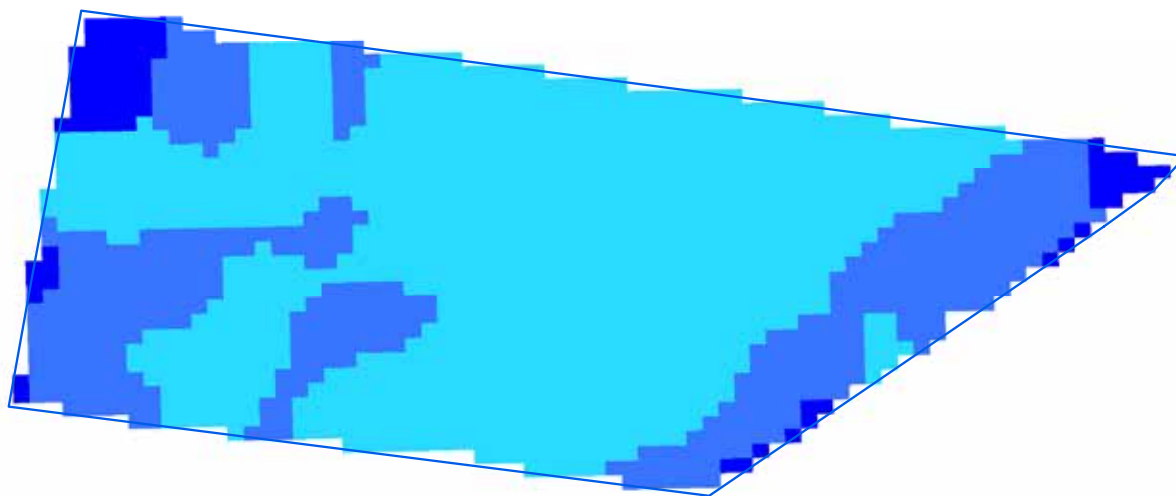
Bullawa Creek State Conservation Area boundary

Spatial data courtesy of Office of Environment and Heritage.
Spatial analysis by Eco Logical Australia Pty Ltd.



Bullawa Creek State Conservation Area

Predicted location - black cypress pine



Relative probability (%) of black cypress pine occurrence

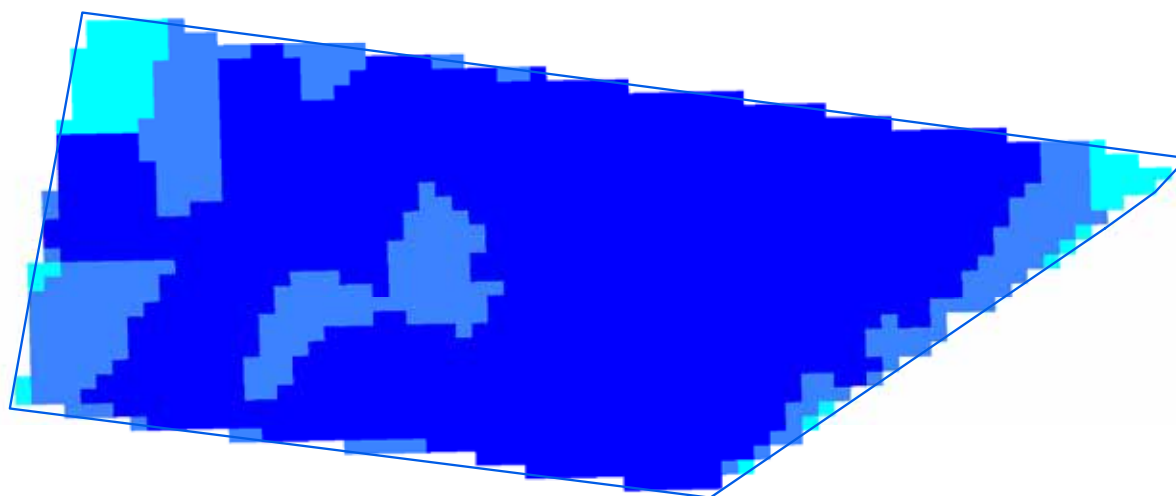
- 0 - 10
- 10 - 20
- 20 - 30
- 30 - 40
- 40 - 50
- 50 - 60
- 60 - 70
- 70 - 80
- Bullawa Creek State Conservation Area boundary

Spatial data courtesy of Office of Environment and Heritage.
Spatial analysis by Eco Logical Australia Pty Ltd.



Bullawa Creek State Conservation Area

Predicted location - bulloak



Relative probability (%) of bulloak occurrence

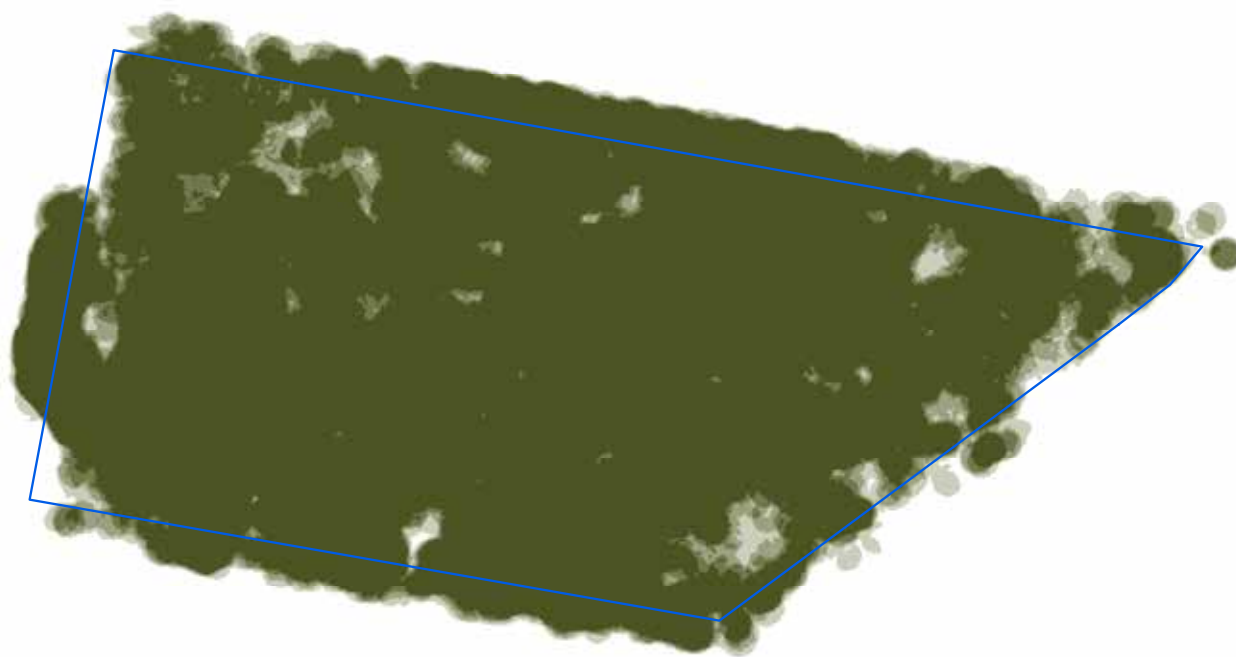
- 0 - 10
- 10 - 20
- 20 - 30
- 30 - 40
- 40 - 50
- 50 - 60
- 60 - 70
- Bullawa Creek State Conservation Area boundary


Spatial data courtesy of Office of Environment and Heritage.
Spatial analysis by Eco Logical Australia Pty Ltd.



Bullawa Creek State Conservation Area

Continuous canopy density surface - cypress pine



 More dense canopy
Less dense canopy

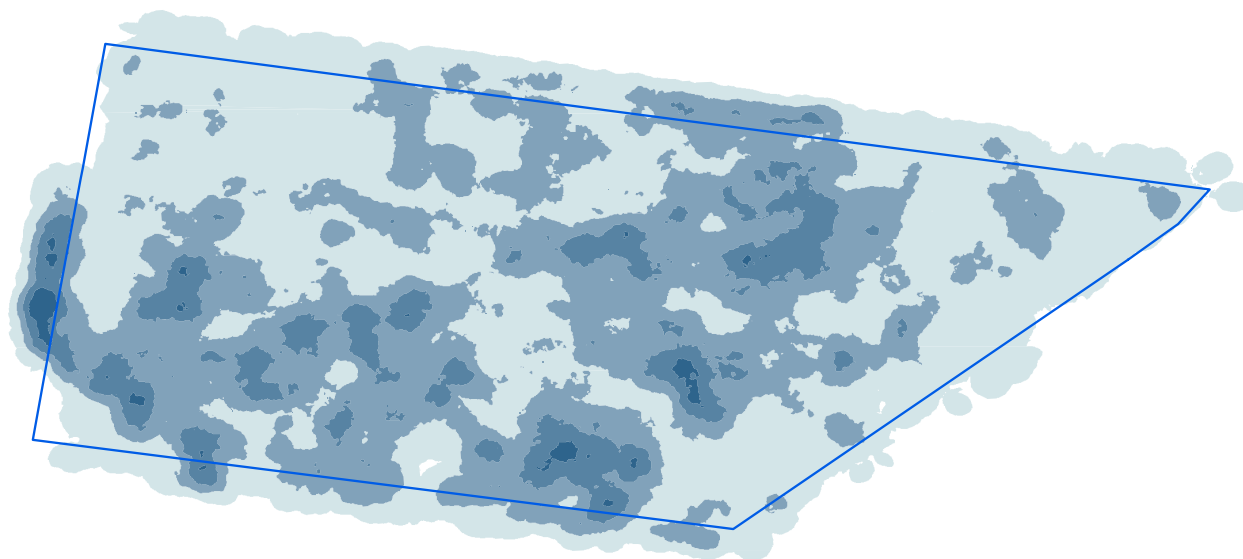
 Bullawa Creek State Conservation Area boundary

ADS40 Airborne Digital Sensor data.
Spatial data courtesy of Office of Environment and Heritage.
Spatial analysis by Remote Census Pty Ltd (2014).



Bullawa Creek State Conservation Area

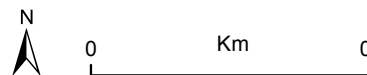
Discrete canopy density classes - cypress pine



Canopy density classes

- Class 0 (little or no cypress pine detected)
- Density slice range 1 to 10
- Density slice range 10 to 20
- Density slice range 20 to 30
- Density slice range 30 to 100
- Bullawa Creek State Conservation Area boundary

ADS40 Airborne Digital Sensor data.
Spatial data courtesy of Office of Environment and Heritage.
Spatial analysis by Remote Census Pty Ltd (2014).



Bullawa Creek State Conservation Area

Summary statistics - spatial analysis

Area of cypress canopy classes (excludes areas affected by wildfire since 2009)	
Class	Total (hectares)
Class 0 (little or no cypress detected)	1
Class 1 (1-10 percent)	63
Class 2 (11-20 percent)	46
Class 3 (21-30 percent)	11
Class 4 (>31 percent)	1

Issues and confidence levels for ADS40 spatial products		
ADS40 image quality	Issues	Confidence levels
Medium	-	Lower

Bullawa Creek State Conservation Area

Summary statistics - general

Lindsay types	Area (hectares)	Proportion of total (%)
Not typed	99	-

NSW Vegetation classification and assessment (VCA) type	NSW TSC Act ¹	EPBC Act ²
VCA 411: Buloke - White Cypress Pine woodland on outwash plains in the Pilliga Scrub and Narrabri regions, Brigalow Belt South bioregion	-	-
VCA 408: Dirty Gum (Baradine Gum) - Black Cypress Pine - White Bloodwood shrubby woodland on of the Pilliga forests and surrounding region	-	-
VCA 430: Motherumbah - red gum - White Cypress Pine tall shrubland of the Narrabri to Warialda region, Brigalow Belt South bioregion	-	-
VCA 413: Silver-leaved Ironbark - White Cypress Pine - box dry shrub grass woodland of the Pilliga Scrub - Warialda region, Brigalow Belt South Bioregion	-	-

¹ NSW *Threatened Species Conservation Act 1995*

² Australian Government *Environment Protection and Biodiversity Conservation Act 1999*

Native species recorded		Number	
Flora		127	
Fauna		19	
Threatened species			
Scientific name	Common name	NSW TSC Act ¹	EPBC Act ²
Flora			
-	-	-	-
Fauna			
<i>Climacteris picumnus victoriae</i>	Brown treecreeper (eastern subspecies)	V	-

Cultural heritage - Aboriginal and non-Aboriginal	Number of sites
AHIMS registered sites	5
Heritage items or places of historic significance	0

Current management plans	Status
Plan of management	November 2012
<p>Bullawa Creek state conservation area (99 hectares) is located 10km east of Narrabri.</p> <p>Specific management directions: In addition to the general principles for the management of state conservation areas, the management of Bullawa Creek State Conservation Area will focus on the protection of vegetation communities, the protection of Aboriginal heritage and encouraging the use of the reserve for educational purposes. Major strategies to achieve these objectives are:</p> <ul style="list-style-type: none"> • protection of natural values from weeds, feral animals and wildfire; • protection of Aboriginal sites in consultation with the Aboriginal community, including facilitating access to the sites by members of the local Aboriginal community; • research into the reserve's natural and cultural values, particularly establishing the reserve's importance as a refuge and possible impacts by neighbouring land uses; and • provision of opportunities for educational and low impact nature-based recreation. 	
Fire management strategy	September 2008
Regional pest management strategy	Northern plains region 2012-17

Bullawa Creek State Conservation Area

Summary statistics - general

Fire history	Prescribed burn (hectares)	Wildfire (hectares)
2008-09 - 2012-13	-	-

Mining	Number of titles
Exploration	1 coal, 1 petroleum
Application	none

Apiarist sites
None