

ML 29678

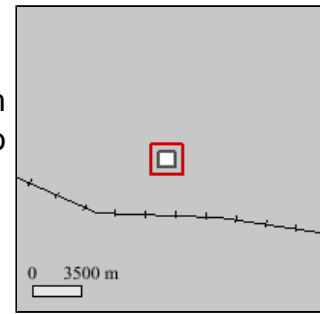
*NT NRM Report*



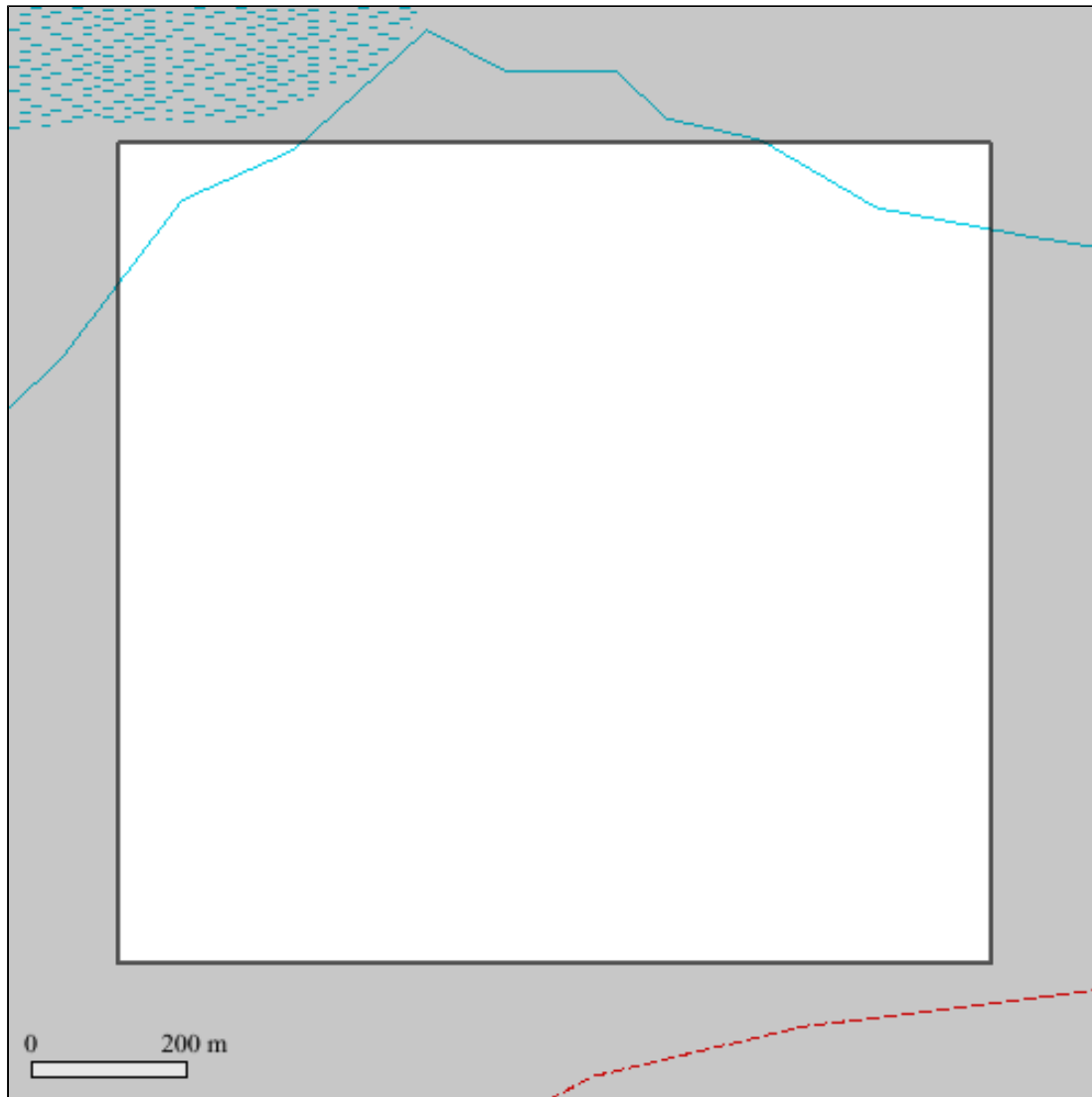
# ML 29678

ML 29678 encompasses an area of 1.12 sq km extending from 13 deg 25.0 min to 13 deg 26.0 min S and 131 deg 27.0 min to 131 deg 28.0 min E.

ML 29678 is located in the Pine Creek, bioregion(s)



Location of ML 29678



# ML 29678 Climate

The closest long-term weather station is DOUGLAS RIVER (13 deg 50.0 min S, 131.1872E) 53 km SW of the center of selected area

## Statistics

Mean max temp (deg C)  
Mean min temp (deg C)  
Average rainfall (mm)  
Average days of rain

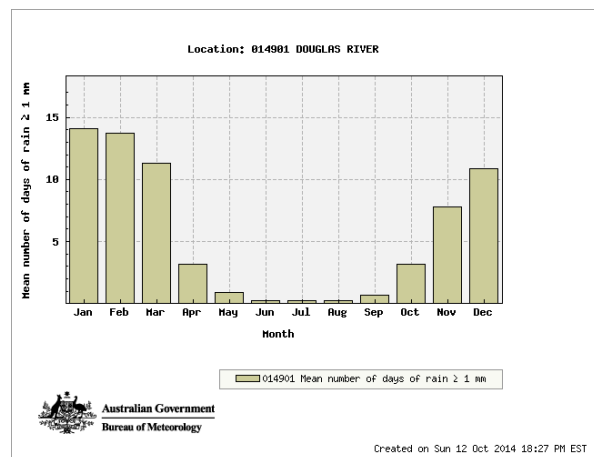
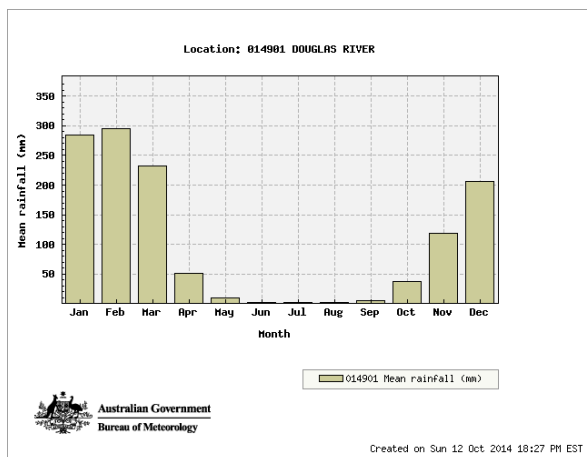
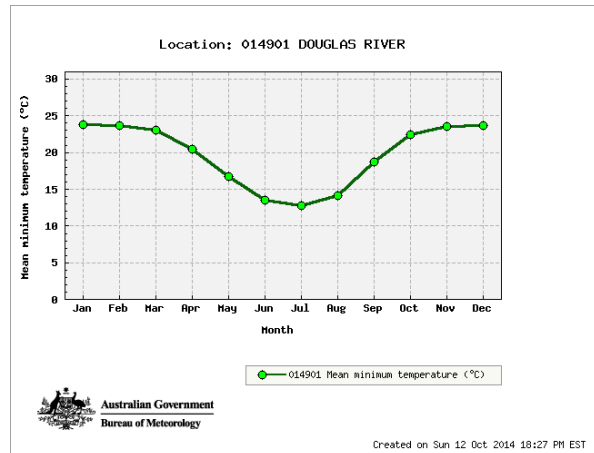
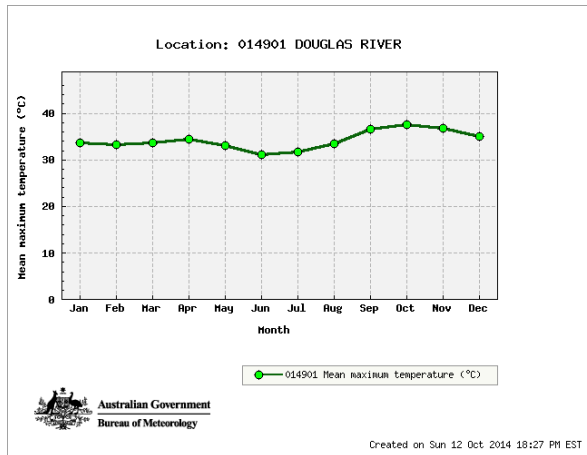
## Annual Values

34.2  
19.7  
1191.5  
66.4

## Years of record

24  
25  
42  
42

Climate summaries from Bureau of Meteorology ([www.bom.gov.au](http://www.bom.gov.au))



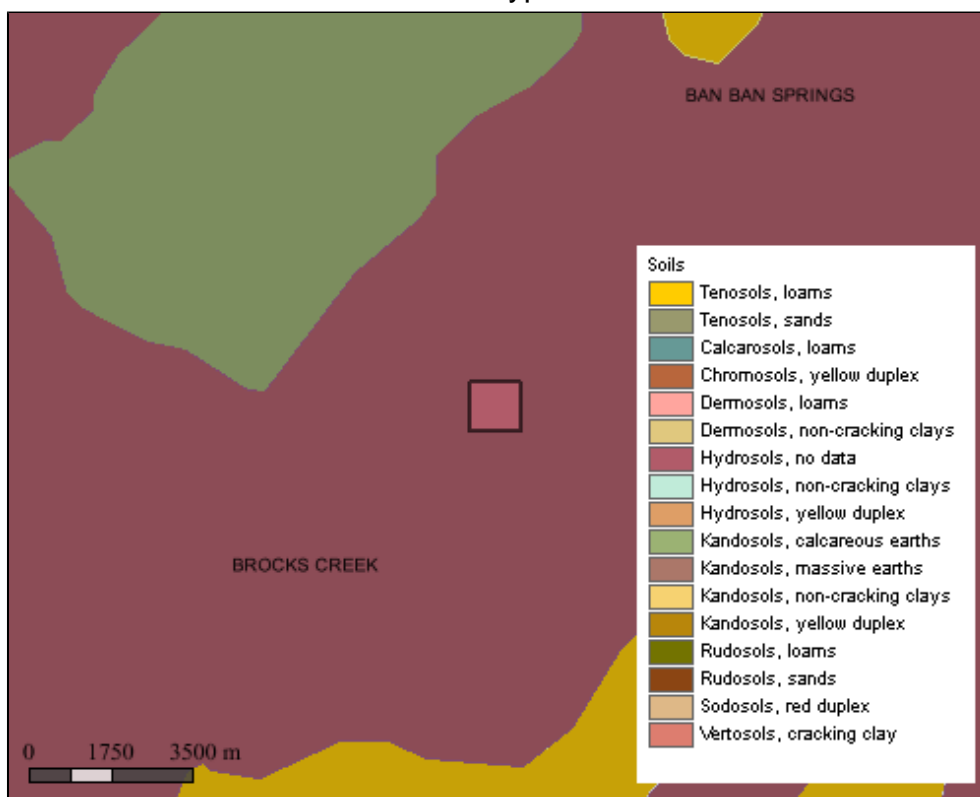
# ML 29678 Soils

## Soil Types

Area of soil types (Northcote Factual Key)

Selected area is too small to produce reliable statistics

## Soil Types



Soils 1:2M Layer is a copy of the NT portion (1:2,000,000 scale dataset) of the CSIRO Atlas of Australian Soils - K.H. Northcote et al. Data scale: 1:2,000,000 ANZLIC Identifier: 2DBC771205D06B6E040CD9B0F274EFE  
More details: Go to [www.lrm.nt.gov.au/nrmapsnt/](http://www.lrm.nt.gov.au/nrmapsnt/) and enter the ANZLIC identifier in the Spatial Data Search

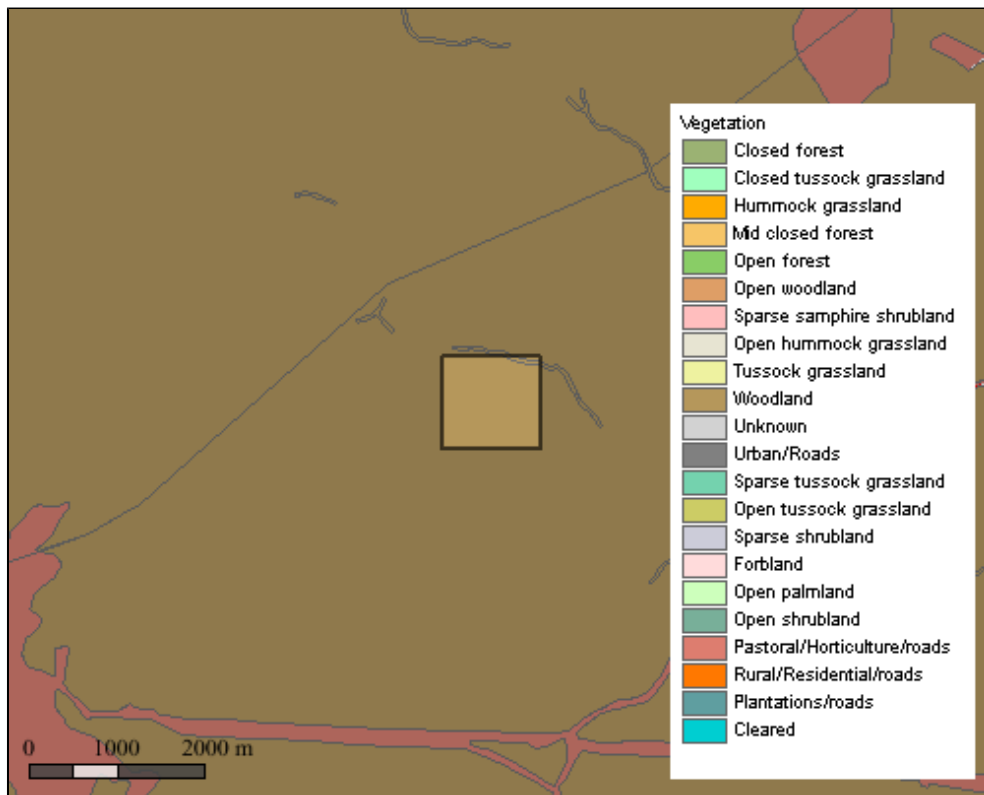
# ML 29678 Vegetation

## Vegetation Communities

## Area of vegetation communities

Selected area is too small to produce reliable statistics

## Vegetation Communities



The NVIS 2005 Layer is compiled from a number of vegetation and land unit survey maps that were recoded and re-attributed for the National Vegetation Information System (NVIS)

Data scale variable depending on location. ANZLIC Identifier:2DBC771207006B6E040CD9B0F274EFE

More details:Go to [www.lrm.nt.gov.au/nrm/apsnt/](http://www.lrm.nt.gov.au/nrm/apsnt/) and enter the ANZLIC identifier in the Spatial Data Search

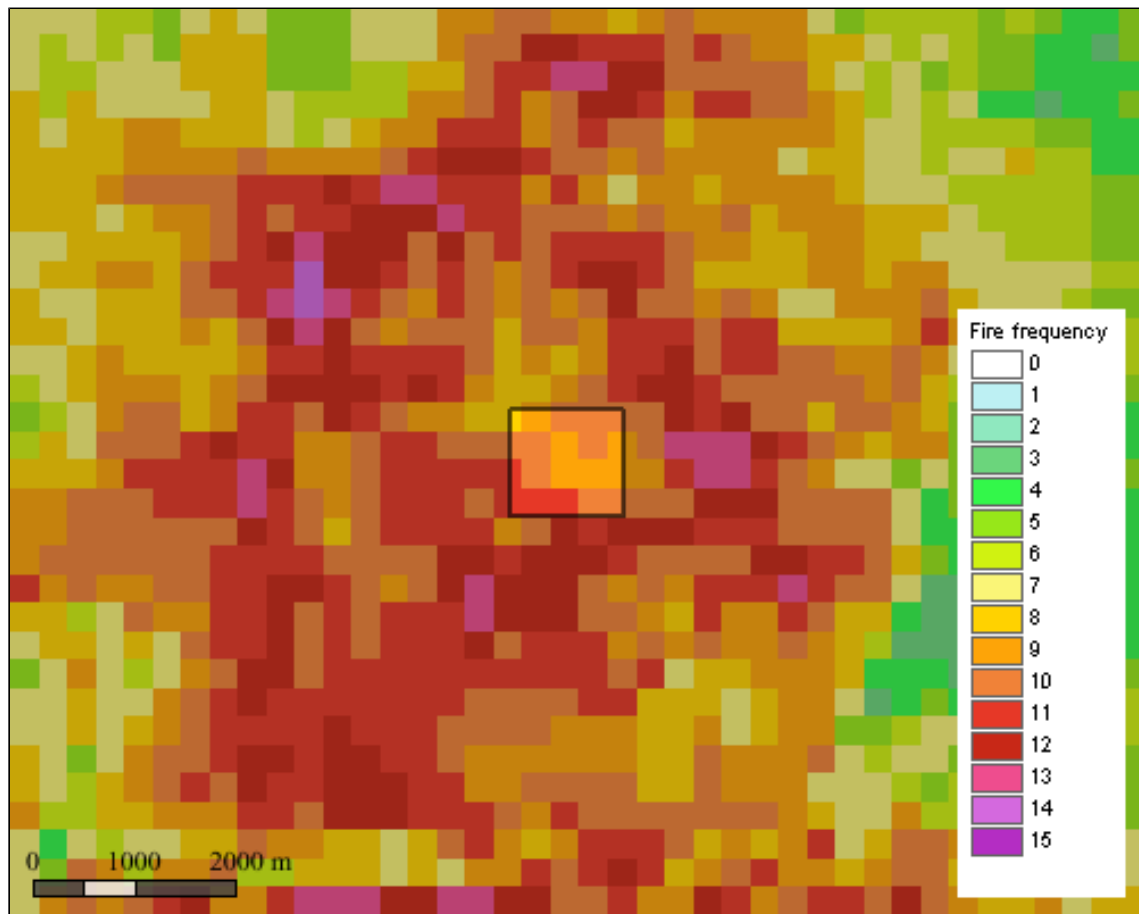
# ML 29678 Fire History

Years burnt 2000-2014

and area burnt in each category

Selected area is too small to produce reliable statistics

Years burnt 2000-2014



The fire frequency(250m) Layer is derived from satellite imagery sourced from the Moderate Resolution Imaging Spectroradiometer (MODIS) on the NASA Terra satellite  
Spatial Resolution: 250m x 250m pixels (at Nadir).

# ML 29678 Threatened Species



Threatened species recorded in ML 29678 (Records Updated: Sept 2013)

EX = Extinct  
EW = Extinct in the Wild  
ER = Extinct in the NT  
EN = Endangered  
EN/U = One Endangered subspecies/One Vulnerable subspecies  
VU=Vulnerable  
VU/- = One or more subspecies vulnerable EN/- = One or more subspecies endangered

Survey = this category refers to data collected using systematic survey methodology  
Specimen = this category refers to museum or other records where a specimen has been collected and lodged  
Observation = this category refers to all other incidental recordings where systematic methodology may not have been used consistently.

More species info: Go to [www.landmanager.org.au/view/index.aspx?id=####](http://www.landmanager.org.au/view/index.aspx?id=####)  
where #### is the ID number from the tables above for the species of interest.

# ML 29678 Threatened Species Grid



Threatened species recorded in the grid cell(s) in which ML 29678 occurs (Records Updated: Sept 2013)

Group	Family Name	Scientific Name	Common Name	NT Status	National Status	#Observations	Latest Observation Date	#Specimens	Latest Specimen Date	#Surveys	Latest Survey Record
Cycads	Cycadaceae	<i>Cycas armstrongii</i>	Armstrong's Cycad	VU		0	Unknown	26	1971	0	Unknown
Cycads	Cycadaceae	<i>Cycas armstrongii x conferta</i>	Armstrong's Cycad	VU		0	Unknown	5	1991	0	Unknown
Flowering Plants	Orchidaceae	<i>Zeuxine oblonga</i>	Ground Orchid	VU		0	Unknown	1	1989	0	Unknown
Flowering Plants	Malvaceae	<i>Helicteres macrothrix</i>	Helicteres	EN	EN	0	Unknown	4	1991	0	Unknown
Reptiles	Varanidae	<i>Varanus mertensi</i>	Mertens' Water Monitor	VU		3	1992	3	2006	2	2001
Reptiles	Varanidae	<i>Varanus mitchelli</i>	Mitchell's Water Monitor	VU		1	1986	5	1985	1	2001
Reptiles	Varanidae	<i>Varanus panoptes</i>	Yellow-spotted Monitor	VU		1	1986	0	Unknown	2	2001
Birds	Columbidae	<i>Geophaps smithii</i>	Partridge Pigeon	VU	VU	27	1996	1	2005	0	Unknown
Birds	Accipitridae	<i>Erythrorchis radiatus</i>	Red Goshawk	VU	VU	2	1986	2	1962	0	Unknown
Birds	Tytonidae	<i>Tyto novaehollandiae kimberli</i>	Masked Owl (northern mainland)	VU	VU	1	1977	0	Unknown	0	Unknown
Birds	Estrildidae	<i>Erythrura gouldiae</i>	Gouldian Finch	VU	EN	5	2005	21	1962	0	Unknown
Mammals	Dasyuridae	<i>Dasyurus hallucatus</i>	Northern Quoll	CR	EN	43	2011	9	2004	14	2001
Mammals	Dasyuridae	<i>Antechinus bellus</i>	Fawn Antechinus	EN		0	Unknown	1	1972	0	Unknown
Mammals	Dasyuridae	<i>Phascogale pirata</i>	Northern Brush-tailed Phascogale	EN	VU	1	2001	0	Unknown	0	Unknown
Mammals	Macropodidae	<i>Petrogale concinna</i>	Nabarlek	VU		0	Unknown	0	Unknown	2	1996
Mammals	Muridae	<i>Conilurus penicillatus</i>	Brush-tailed Rabbit-rat	EN	VU	2	Unknown	0	Unknown	0	Unknown
Mammals	Muridae	<i>Mesembriomys gouldii</i>	Black-footed Tree-rat	VU		5	2007	1	1986	1	1996
Mammals	Muridae	<i>Rattus tunneyi</i>	Pale Field-rat	VU		22	2007	3	1986	5	2001

EX = Extinct

EW = Extinct in the Wild

ER = Extinct in the NT

EN = Endangered

EN/VU = One Endangered subspecies/One Vulnerable subspecies

VU = Vulnerable

VU/- = One or more subspecies vulnerable EN/- = One or more subspecies endangered

Survey = this category refers to data collected using systematic survey methodology

Specimen = this category refers to museum or other records where a specimen has been collected and lodged

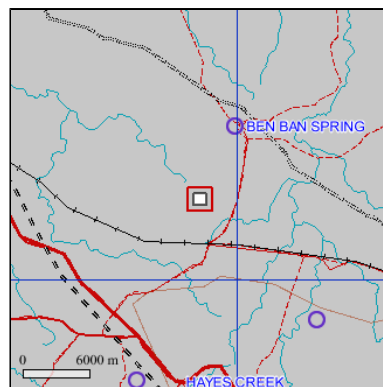
Observation = this category refers to all other incidental recordings where systematic methodology may not have been used consistently.

More species info: Go to [www.landmanager.org.au/view/index.aspx?id=####](http://www.landmanager.org.au/view/index.aspx?id=####)

where #### is the ID number from the tables above for the species of interest.



Species listed in the table above were recorded from all the grid cells shown below (red/blue line) that overlap ML 29678



# ML 29678 Weeds and Potential Weeds



Introduced plants recorded in the grid cell(s) in which ML 29678 occurs and that have been identified as problem weeds in one or more locations in northern Australia. Occurrence based on Northern Territory Government databases.

Family Name	Scientific Name	Common Name	NT Status	National Status	Other Status	#Surveys	Latest Record
Poaceae	<i>Andropogon gayanus</i>	Gamba Grass	A C	WONS	MP K1 Q2 WA2 C&E G&M CYP	0	Unknown
Polygonaceae	<i>Antigonon leptopus</i>	Coral Vine			C&E	0	Unknown
Meliaceae	<i>Azadirachta indica</i>	Neem			MP K1 C&E G&M CYP WeedsAus	0	Unknown
Poaceae	<i>Bothriochloa pertusa</i>	Indian Bluegrass			DEU	0	Unknown
Fabaceae	<i>Calopogonium mucunoides</i>	Calopo			MP C&E CYP	0	Unknown
Apocynaceae	<i>Calotropis procera</i>	Rubber Bush	B C (S of 16.5 deg S)		WA1 WA2 G&M	0	Unknown
Poaceae	<i>Cenchrus pedicellatus</i>	Mission Grass (annual)			WeedsAus	0	Unknown
Poaceae	<i>Chloris barbata</i>	Purpletop Chloris			DEU	0	Unknown
Fabaceae	<i>Crotalaria goreensis</i>	Gambia Pea			MP	0	Unknown
Cucurbitaceae	<i>Cucumis melo</i>	Ulcardo Melon			DEU	0	Unknown
Solanaceae	<i>Datura ferox</i>	Fierce Thornapple	A C		WA1 WA3 WA4 G&M	0	Unknown
Fabaceae	<i>Delonix regia</i>	Poinciana			C&E	0	Unknown
Poaceae	<i>Echinochloa colona</i>	Awnless Barnyard Grass			DEU	0	Unknown
Poaceae	<i>Eragrostis pilosa</i>	Soft Lovegrass			DEU	0	Unknown
Malvaceae	<i>Grewia asiatica</i>	Phassa Plum			C&E G&M CYP	0	Unknown
Boraginaceae	<i>Heliotropium indicum</i>	Indian Heliotrope			DEU	0	Unknown
Lamiaceae	<i>Hyptis suaveolens</i>	Hyptis	B C		G&M	26	1990
Convolvulaceae	<i>Ipomoea quamoclit</i>	Cupid's Flower			C&E	0	Unknown
Verbenaceae	<i>Lantana camara</i>	Lantana	B C	WONS	K2 WA1 Q3 Gr G&M CYP DEU NSW SA	0	Unknown
Lamiaceae	<i>Leonotis nepetifolia</i>	Lions Tail	B C		MP K2 C&E CYP	0	Unknown
Fabaceae	<i>Leucaena leucocephala</i>	Coffee Bush			MP C&E G&M CYP	0	Unknown
Fabaceae	<i>Macroptilium atropurpureum</i>	Siratro			C&E	0	Unknown
Poaceae	<i>Megathyrsus maximus</i>	Guinea Grass			MP DEU	0	Unknown
Poaceae	<i>Melinis repens</i>	Red Natal Grass			DEU	0	Unknown
Fabaceae	<i>Mimosa pigra</i>	Mimosa	A (S of 14 deg S) B (N of 14 deg S) C	WONS	MP K2 WA1 WA2 Q1 G&M CYP SA	0	Unknown
Fabaceae	<i>Mimosa pudica</i>	Common Sensitive Plant	C		WA1 WA2	0	Unknown

Family Name	Scientific Name	Common Name	NT Status	National Status	Other Status	#Surveys	Latest Record
Verbenaceae	<i>Phyla nodiflora</i> var. <i>nodiflora</i>	Lippia			G&M NSW	0	Unknown
Salviniaceae	<i>Salvinia molesta</i>	Salvinia	B C	WONS	MP WA1 WA2 Q2 G&M NSW SA	0	Unknown
Plantaginaceae	<i>Scoparia dulcis</i>	Bitter Broom			DEU	0	Unknown
Fabaceae	<i>Senna obtusifolia</i>	Sicklepod	B C		WA1 WA2 Q2 G&M CYP DEU	0	Unknown
Fabaceae	<i>Senna occidentalis</i>	Coffee Senna	B C		G&M DEU	0	Unknown
Malvaceae	<i>Sida acuta</i>	Spiny-head Sida	B C		WA1 G&M	0	Unknown
Malvaceae	<i>Sida cordifolia</i>	Flannel Weed	B C		WA1 G&M DEU	0	Unknown
Malvaceae	<i>Sida rhombifolia</i>	Paddy's Lucerne	B C		MP G&M DEU	0	Unknown
Verbenaceae	<i>Stachytarpheta australis</i>	Branched Porterweed	B C			0	Unknown
Verbenaceae	<i>Stachytarpheta cayennensis</i>	Cayenne Snakeweed	B C		NSW	0	Unknown
Fabaceae	<i>Stylosanthes guianensis</i>	Common Stylo			DEU	0	Unknown
Fabaceae	<i>Stylosanthes hamata</i>	Caribbean Stylo			DEU	0	Unknown
Fabaceae	<i>Stylosanthes humilis</i>	Townsville Lucerne			DEU	0	Unknown
Fabaceae	<i>Stylosanthes scabra</i>	Shrubby Stylo			G&M DEU	0	Unknown
Asteraceae	<i>Synedrella nodiflora</i>	Cinderella Weed			C&E	0	Unknown
Zygophyllaceae	<i>Tribulus terrestris</i>	Caltrop	B C		CYP SA	0	Unknown
Poaceae	<i>Urochloa mosambicensis</i>	Sabi Grass			DEU	0	Unknown
Poaceae	<i>Urochloa mutica</i>	Para Grass			MP G&M	0	Unknown

Status Codes:

1. NATIONAL STATUS CODES

Alert, Alert List for Environmental Weeds (Please call Exotic Plant Pest Hotline 1800 084 881 if you think you have seen this weed)

Sleeper, National Sleeper Weed

Target, Targeted for eradication. ([www.landmanager.com.au/view/index.aspx?id=449837](http://www.landmanager.com.au/view/index.aspx?id=449837))

WONS, Weeds of National Significance

2. NT STATUS CODES

A, NT Class A Weed (to be eradicated)

B, NT Class B Weed (growth & spread to be controlled)

C, NT Class C Weed (not to be introduced) ([www.landmanager.com.au/view/index.aspx?id=449869](http://www.landmanager.com.au/view/index.aspx?id=449869))

3. OTHER STATUS CODES

C&E, Csurhes, S. & Edwards, R. (1998) Potential Environmental Weeds in Australia. Candidate Species for Preventative Control. Environment Australia, Canberra ([www.landmanager.com.au/view/index.aspx?id=394504](http://www.landmanager.com.au/view/index.aspx?id=394504))

CYP, Draft Cape York Peninsula Pest Management Plan 2006-2011 ([www.landmanager.com.au/view/index.aspx?id=371200](http://www.landmanager.com.au/view/index.aspx?id=371200))

DEU, Plants listed as environmental weeds by the Desert Uplands Strategic Land Resource Assessment ([www.landmanager.com.au/view/index.aspx?id=332123](http://www.landmanager.com.au/view/index.aspx?id=332123))

G&M, Grice AC, Martin TG. 2005. The Management of Weeds and Their Impact on Biodiversity in the Rangelands. Cooperative Research Centre (CRC) for Australian Weed Management and CSIRO Sustainable Ecosystems. Commonwealth Australia ([www.landmanager.com.au/view/index.aspx?id=163572](http://www.landmanager.com.au/view/index.aspx?id=163572))

Gr, Groves et al. 2003. Weed categories for natural and agricultural ecosystem management. Bureau of Rural Sciences ([www.landmanager.com.au/view/index.aspx?id=388018](http://www.landmanager.com.au/view/index.aspx?id=388018))

K0, High Priority Weeds not yet established in the Katherine region

K1, High Priority Weeds posing environmental threats in the Katherine region

K2, High Priority Weeds posing existing threats in the Katherine region, as described in the Katherine Regional Weed Management Strategy 2005-2010 ([www.landmanager.com.au/view/index.aspx?id=130286](http://www.landmanager.com.au/view/index.aspx?id=130286))

MP, Northern Territory Parks & Conservation Masterplan ([www.landmanager.com.au/view/index.aspx?id=144141](http://www.landmanager.com.au/view/index.aspx?id=144141))

NAQS, North Australian Quarantine Strategy Target List ([www.landmanager.com.au/view/index.aspx?id=449416](http://www.landmanager.com.au/view/index.aspx?id=449416))

NSW, Declared Noxious Weed in NSW ([www.landmanager.com.au/view/index.aspx?id=449983](http://www.landmanager.com.au/view/index.aspx?id=449983))

Q1, QLD Class 1 Weed (not to be introduced, kept or supplied)

Q2, Class 2 Weed (eradicate where possible, not to be introduced, kept or supplied)

Q3, Qld Class 3 Weed (to be controlled near environmentally sensitive areas- not to be supplied/sold without a permit) ([www.landmanager.com.au/view/index.aspx?id=190714](http://www.landmanager.com.au/view/index.aspx?id=190714))

SA, Declared Plant in South Australia ([www.landmanager.com.au/view/index.aspx?id=449996](http://www.landmanager.com.au/view/index.aspx?id=449996))

WeedsAus, Listed as a significant weed by Weeds Australia ([www.landmanager.com.au/view/index.aspx?id=14576](http://www.landmanager.com.au/view/index.aspx?id=14576))

WA1, WA Weed Class P1 (movement prohibited)

WA2, WA Weed Class P2 (aim to eradicate)

WA3, WA Weed Class P3 (control infestations)

WA4, WA Weed Class P4 (prevent spread)

WA5, WA Weed Class P3 (control infestations on public land) ([www.landmanager.com.au/view/index.aspx?id=449884](http://www.landmanager.com.au/view/index.aspx?id=449884)).

Survey = this category refers to data collected using systematic survey methodology  
Specimen = this category refers to museum or other records where a specimen has been collected and lodged  
Observation = this category refers to all other incidental recordings where systematic methodology may not have been used consistently.

More species info: Go to [www.landmanager.org.au/view/index.aspx?id=####](http://www.landmanager.org.au/view/index.aspx?id=####)  
where #### is the ID number from the tables above for the species of interest.

Plants listed in the table above were recorded from all the grid cells shown below (red/blue line) that overlap ML 29678

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# ML 29678 Pest and Potential Pest Animals



Animals with pest potential recorded in the grid cell(s) in which ML 29678 occurs. Occurrence based on Northern Territory Government databases.

Common Name	Scientific Name	NT Status	National Status	ID	#Observations (Latest)	#Specimens (Latest)	#Surveys (Latest)
Cane Toad	<i>Rhinella marina</i>	P	.	183252	5 (2007)	0 (Unknown)	0 (Unknown)
Asian House Gecko	<i>Hemidactylus frenatus</i>	P	.	188964	2 (1986)	2 (1977)	0 (Unknown)
Red-tailed Black-cockatoo	<i>Calyptrorhynchus banksii</i> <i>macrorhynchus</i>	N	.	223765	76 (2004)	0 (Unknown)	1 (2001)
Sulphur-Crested Cockatoo	<i>Cacatua galerita</i>	N	.	223772	63 (2001)	0 (Unknown)	9 (2001)
Agile Wallaby	<i>Macropus agilis</i>	N	.	223786	9 (1999)	1782 (1970)	2 (2001)
Black Rat	<i>Rattus rattus</i>	P	.	183236	0 (Unknown)	3 (1971)	0 (Unknown)
Dingo / Wild dog	<i>Canis lupus</i>	N	.	183280	5 (1993)	2 (1991)	5 (2001)
Cat	<i>Felis catus</i>	P	.	183259	11 (1991)	1 (2005)	1 (2001)
Horse	<i>Equus caballus</i>	P	.	183315	4 (1996)	0 (Unknown)	1 (2001)
Pig	<i>Sus scrofa</i>	P	.	183329	1 (1985)	0 (Unknown)	3 (2001)
Swamp Buffalo	<i>Bubalus bubalis</i>	P	.	183245	5 (1986)	0 (Unknown)	0 (Unknown)
Cattle	<i>Bos taurus</i>	P	.	183266	0 (Unknown)	0 (Unknown)	1 (2001)

## NT STATUS CODES:

Int, Introduced species (all non-prohibited vertebrates, and all other exotic species ([www.landmanager.com.au/view/index.aspx?id=280771](http://www.landmanager.com.au/view/index.aspx?id=280771)))

N, Native species with pest potential.

P, Prohibited species (all exotic vertebrates except those listed as non-prohibited ([www.landmanager.com.au/view/index.aspx?id=450509](http://www.landmanager.com.au/view/index.aspx?id=450509)))

Survey = this category refers to data collected using systematic survey methodology

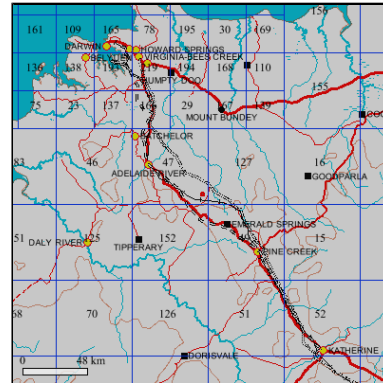
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where #### is the ID number from the tables above for the species of interest.

Potential pest animals listed in the table above were recorded from all the grid cells shown below (red/blue line) that overlap ML 29678



Soils and vegetation graphs and tables refer to area of soils and vegetation only. Fire graphs and tables refer to entire selected area including sea if present. Calculations are derived from map images or vector data, and should be taken as a guide only. Accuracy cannot be guaranteed. For small areas, figures should be rounded to the nearest whole number.