



McArthur

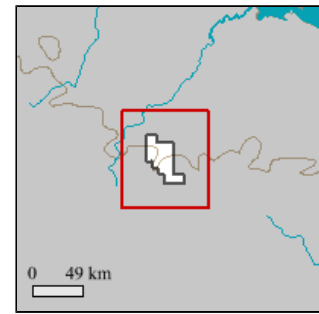
NT NRM Report



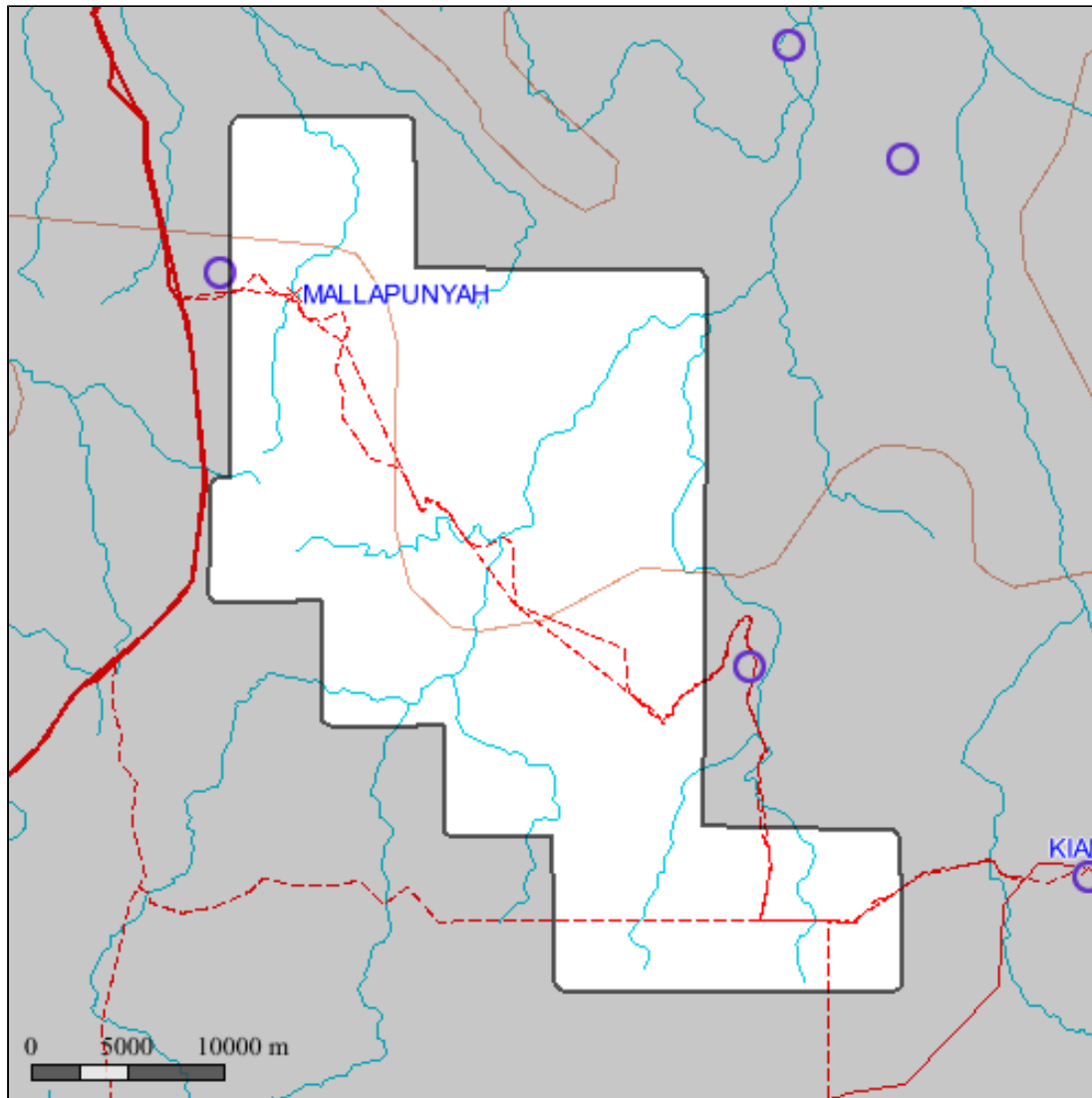
McArthur

McArthur encompasses an area of 809.71 sq km extending from 16 deg 53.0 min to 17 deg 17.0 min S and 135 deg 46.0 min to 136 deg 5.0 min E.

McArthur is located in the Gulf Fall and Uplands, bioregion(s)



Location of McArthur



McArthur Climate

The closest long-term weather station is MCARTHUR RIVER MINE (16 deg 26.0 min S, 136.076E) 73 km N of the center of selected area

Statistics

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

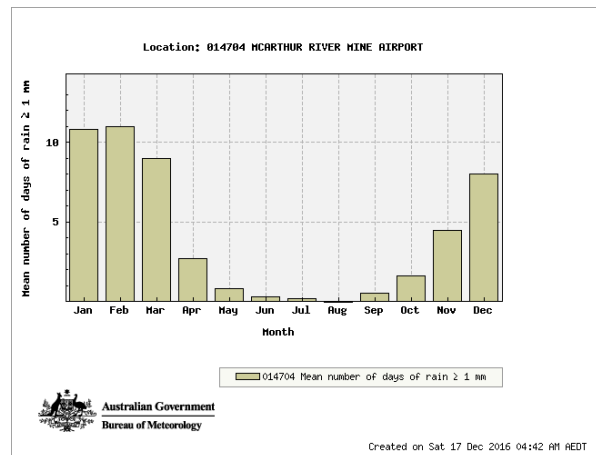
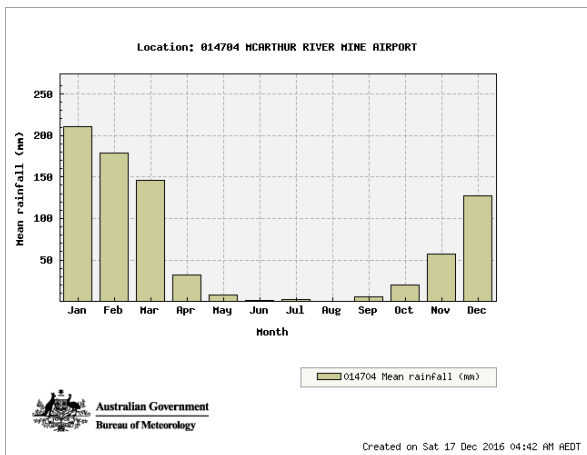
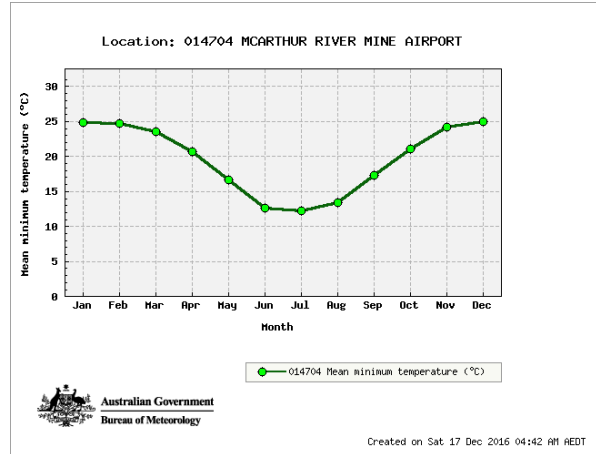
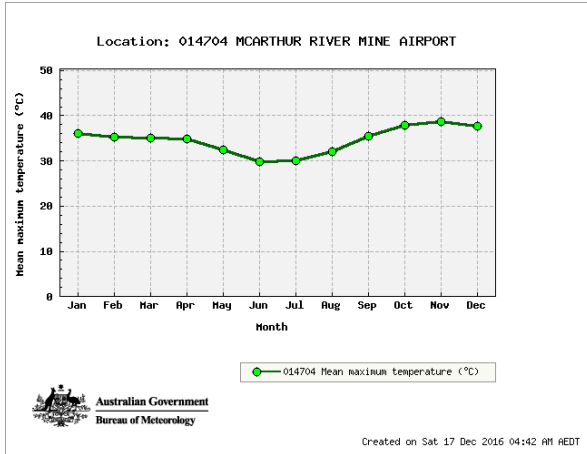
Annual Values

34.6
 19.7
 766.1
 49.4

Years of record

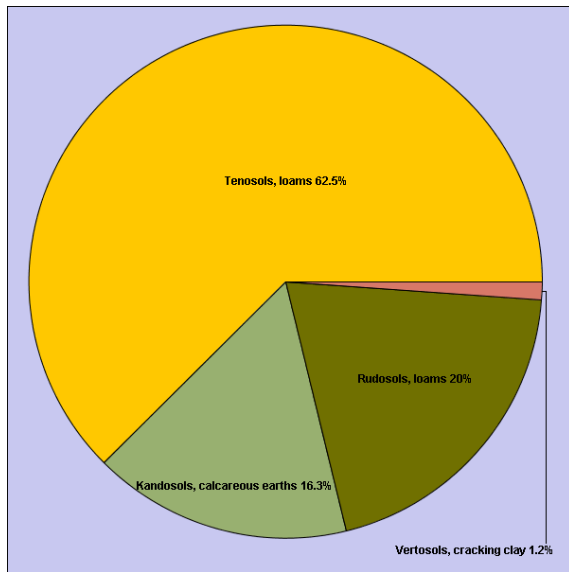
39
 39
 38
 45

Climate summaries from Bureau of Meteorology (www.bom.gov.au)



McArthur Soils

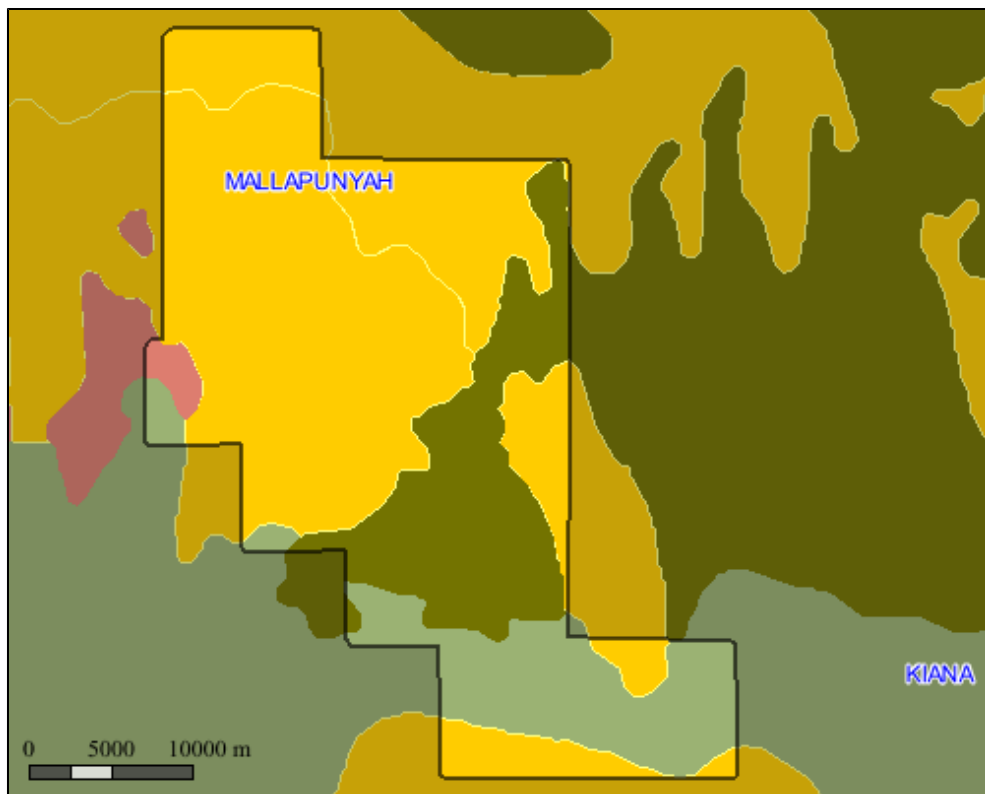
Soil Types



Area of soil types (Northcote Factual Key)

Category	Area sq km	Area%
Tenosols, loams	506.23	62.52
Rudosols, loams	162.02	20.01
Kandosols, calcareous earths	132.00	16.30
Vertosols, cracking clay	9.46	1.17

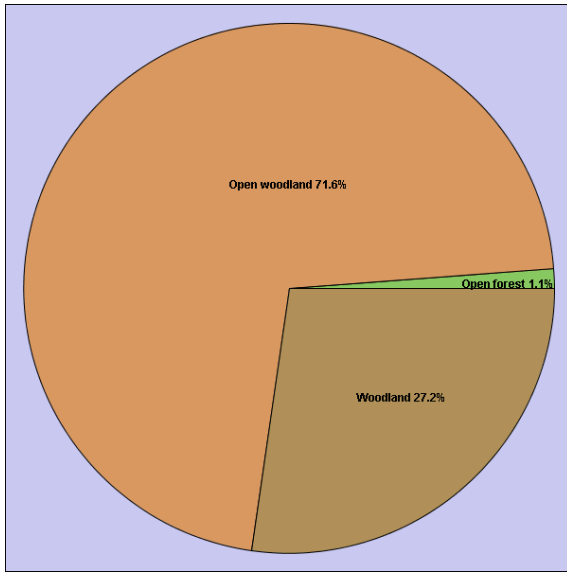
Soil Types



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/nrmmapsnt/ and enter the ANZLIC identifier in the Spatial Data Search

McArthur Vegetation

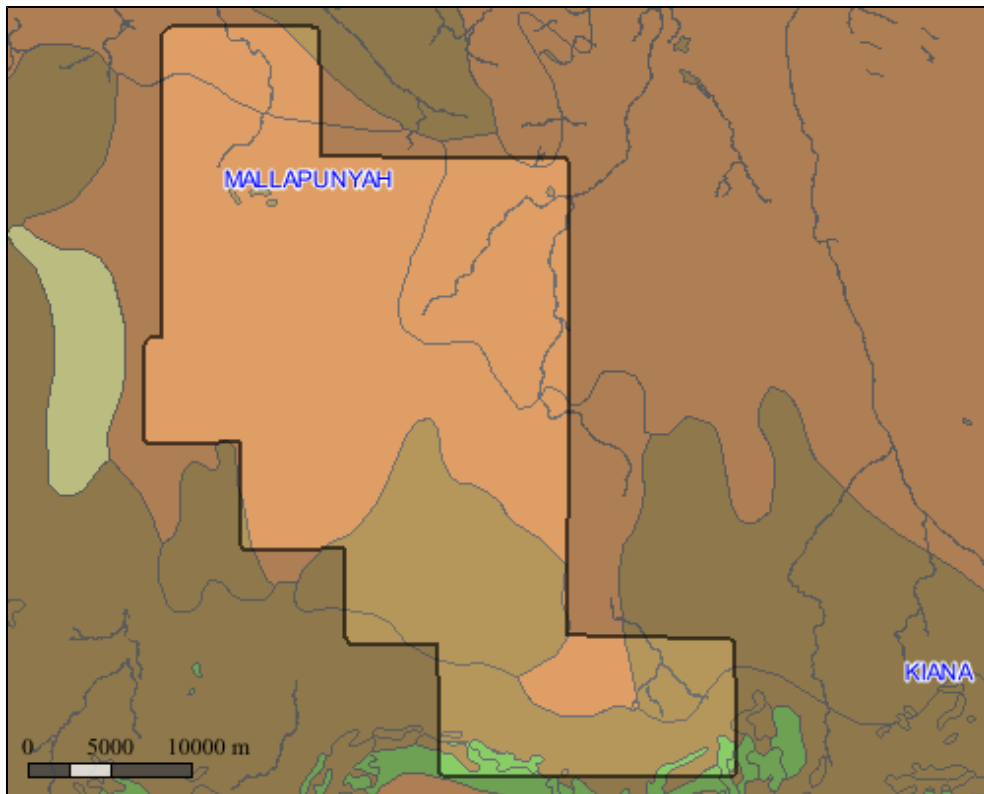
Vegetation Communities



Area of vegetation communities

Category	Area sq km	Area%
Open woodland	579.89	71.62
Woodland	220.56	27.24
Open forest	9.26	1.14

Vegetation Communities



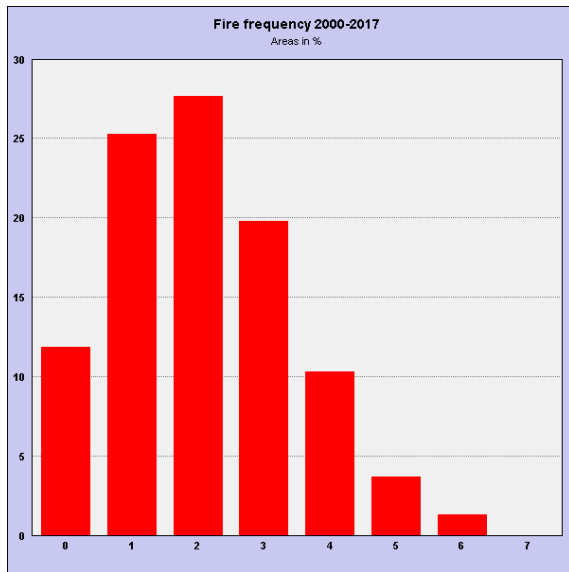
The NVIS 2005 Layer is compiled from a number of vegetation and land unit survey maps that were recoded and re-attributed for the National Vegetation Information System (NVIS)

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

More details:Go to www.lrm.nt.gov.au/nrmapsnt/ and enter the ANZLIC identifier in the Spatial Data Search

McArthur Fire History

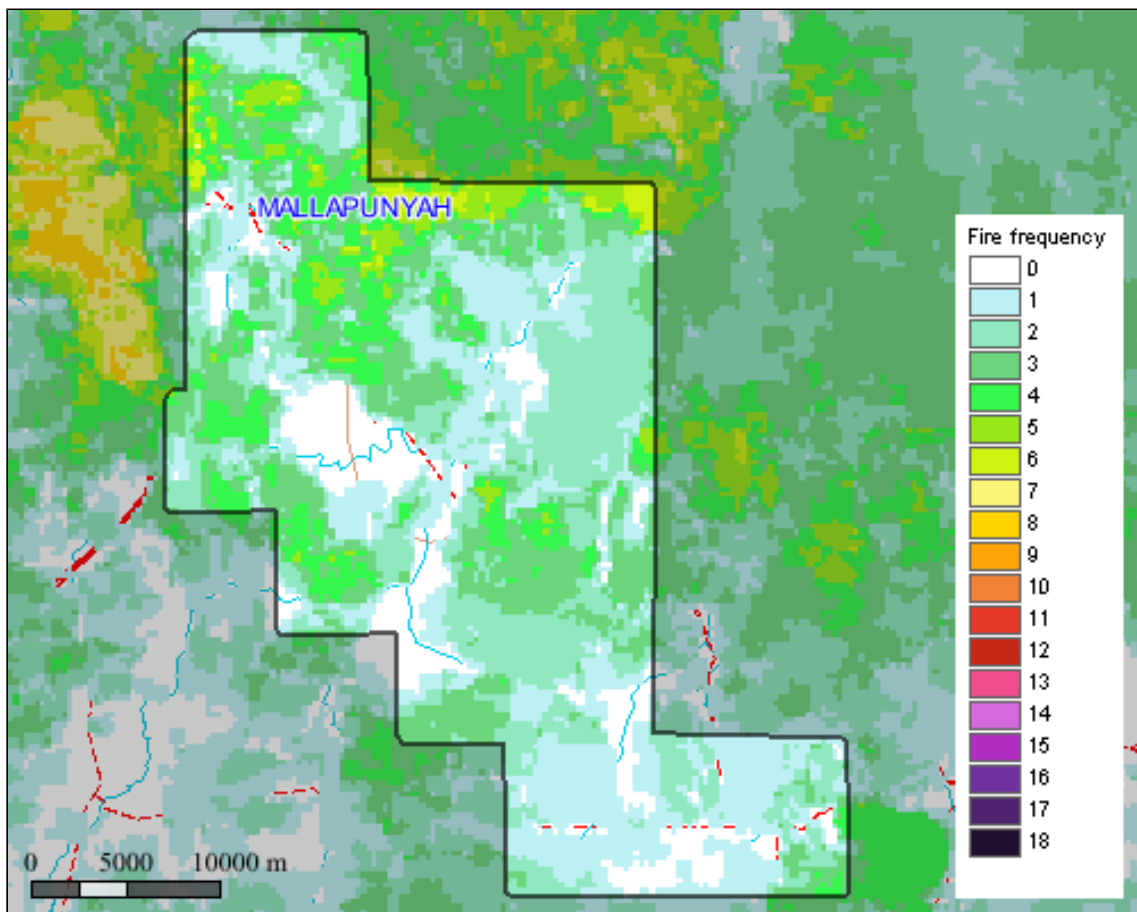
Fire frequency 2000-2017



area burnt for each fire frequency category 2000-2017

Category	Area sq km	Area%
0	96.30	11.89
1	204.88	25.30
2	224.18	27.69
3	160.22	19.79
4	83.49	10.31
5	29.97	3.70
6	10.60	1.31
7	.07	.01

Fire frequency 2000-2017



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).

McArthur Threatened Species



Threatened species recorded in McArthur (Records Updated: Sept 2013)

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

McArthur Threatened Species Grid



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

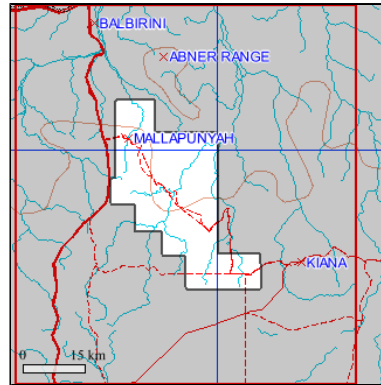
Group	Family Name	Scientific Name	Common Name	NT Status	National Status	#Observations	Latest Observation Date	#Specimens	Latest Specimen Date	#Surveys	Latest Survey Record
Fish	Pristidae	<i>Pristis pristis</i>	Freshwater Sawfish	VU	VU	0	Unknown	0	Unknown	0	Unknown
Reptiles	Varanidae	<i>Varanus mertensi</i>	Mertens' Water Monitor	VU		4	1987	3	1976	0	Unknown
Reptiles	Varanidae	<i>Varanus mitchelli</i>	Mitchell's Water Monitor	VU		0	Unknown	5	1977	0	Unknown
Reptiles	Varanidae	<i>Varanus panoptes</i>	Yellow-spotted Monitor	VU		2	2003	2	1976	1	1990
Reptiles	Elapidae	<i>Acanthophis hawkei</i>	Plains Death Adder	VU	VU	0	Unknown	5	1980	0	Unknown
Birds	Columbidae	<i>Geophaps smithii</i>	Partridge Pigeon	VU	VU	13	1913	3	1913	0	Unknown
Birds	Accipitridae	<i>Erythrotriorchis radiatus</i>	Red Goshawk	VU	VU	3	1917	7	1917	0	Unknown
Birds	Falconidae	<i>Falco hypoleucos</i>	Grey Falcon	VU		2	2002	2	1917	0	Unknown
Birds	Tytonidae	<i>Tyto novaehollandiae kimberli</i>	Masked Owl (northern mainland)	VU	VU	3	1977	1	1913	0	Unknown
Birds	Maluridae	<i>Amytornis dorotheae</i>	Carpentarian Grasswren	EN	EN	12	1994	11	1976	0	Unknown
Birds	Meliphagidae	<i>Grantiella picta</i>	Painted Honeyeater	VU	VU	3	1978	3	1917	0	Unknown
Birds	Pachycephalidae	<i>Falcunculus frontatus</i>	Crested Shrike-tit		VU	2	1917	4	1917	0	Unknown
Birds	Estrildidae	<i>Erythrura gouldiae</i>	Gouldian Finch	VU	EN	23	2009	9	1917	4	2008
Mammals	Dasyuridae	<i>Dasyurus hallucatus</i>	Northern Quoll	CR	EN	2	2002	1	1911	0	Unknown
Mammals	Phalangeridae	<i>Trichosurus vulpecula vulpecula</i>	Common Brushtail Possum (southern)	EN		1	1969	0	Unknown	0	Unknown
Mammals	Muridae	<i>Mesembriomys macrurus</i>	Golden-backed Tree-rat	CR (PE)	VU	4	Unknown	1	1901	0	Unknown

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 EW = Extinct in the Wild
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 VU = Vulnerable
 VU/- = One or more subspecies vulnerable EN/- = One or more subspecies endangered

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



McArthur Weeds and Potential Weeds



Introduced plants recorded in the grid cell(s) in which McArthur 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
Asteraceae	<i>Acanthospermum hispidum</i>	Starburr	B C			7	2001
Amaranthaceae	<i>Alternanthera pungens</i>	Khaki Weed	B C		DEU NSW SA	3	2001
Aristolochiaceae	<i>Aristolochia elegans</i>	Dutchman`s Pipe			Q3 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
Poaceae	<i>Cenchrus biflorus</i>	Gallon`s Curse			NSW	0	Unknown
Poaceae	<i>Cenchrus echinatus</i>	Mossman River Grass	B C		NSW	0	Unknown
Poaceae	<i>Cenchrus pedicellatus</i>	Mission Grass (annual)			WeedsAus	0	Unknown
Poaceae	<i>Cenchrus polystachios</i>	Mission Grass (perennial)	B C		MP K2 C&E G&M	0	Unknown
Poaceae	<i>Cenchrus setiger</i>	Birdwood Grass			DEU	0	Unknown
Poaceae	<i>Chloris barbata</i>	Purpletop Chloris			DEU	0	Unknown
Cucurbitaceae	<i>Citrullus lanatus</i>	Camel Melon			G&M	0	Unknown
Fabaceae	<i>Crotalaria goreensis</i>	Gambia Pea			MP	0	Unknown
Cucurbitaceae	<i>Cucumis melo</i>	Ulcardo Melon			DEU	36	2003
Cyperaceae	<i>Cyperus rotundus</i>	Nutgrass			DEU SA	0	Unknown
Fabaceae	<i>Delonix regia</i>	Poinciana			C&E	0	Unknown
Poaceae	<i>Echinochloa colona</i>	Awnless Barnyard Grass			DEU	10	2003
Amaranthaceae	<i>Gomphrena celosioides</i>	Gomphrena Weed			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	3	2003
Lamiaceae	<i>Hyptis suaveolens</i>	Hyptis	B C		G&M	4	2003
Fabaceae	<i>Macroptilium atropurpureum</i>	Sirat			C&E	0	Unknown
Malvaceae	<i>Malvastrum americanum</i>	Spiked Malvastrum			DEU	7	2008
Poaceae	<i>Melinis repens</i>	Red Natal Grass			DEU	0	Unknown
Fabaceae	<i>Parkinsonia aculeata</i>	Parkinsonia	B C	WONS	MP K2 WA1 WA4 Q2 G&M CYP DEU NSW SA	7	2001
Verbenaceae	<i>Phyla nodiflora var. nodiflora</i>	Lippia			G&M NSW	0	Unknown
Fabaceae	<i>Prosopis pallida</i>	Mesquite	A C	WONS	K2 WA1 WA2 WA4 Q2 G&M NSW SA	1	1990
Acanthaceae	<i>Ruellia tuberosa</i>	Spearpod			C&E	0	Unknown
Plantaginaceae	<i>Scoparia dulcis</i>	Bitter Broom			DEU	1	2003
Fabaceae	<i>Senna occidentalis</i>	Coffee Senna	B C		G&M DEU	0	Unknown
Fabaceae	<i>Senna tora</i>	Foetid Cassia			WA1 WA2 Q2 G&M CYP	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	2	1993

Family Name	Scientific Name	Common Name	NT Status	National Status	Other Status	#Surveys	Latest Record
Malvaceae	<i>Sida rhombifolia</i>	Paddy's Lucerne	B C		MP G&M DEU	4	1994
Malvaceae	<i>Sida spinosa</i>	Spiny Sida			DEU	21	2010
Poaceae	<i>Sporobolus fertilis</i>	Giant Parramatta Grass			Q2 G&M NSW	0	Unknown
Verbenaceae	<i>Stachytarpheta cayennensis</i>	Cayenne Snakeweed	B C		NSW	0	Unknown
Fabaceae	<i>Stylosanthes hamata</i>	Caribbean Stylo			DEU	4	2003
Fabaceae	<i>Stylosanthes humilis</i>	Townsville Lucerne			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
Fabaceae	<i>Vachellia farnesiana</i>	Sweet Acacia			DEU	13	2010
Fabaceae	<i>Vachellia nilotica</i>	Prickly Acacia	A C	WONS	MP K2 Q2 G&M DEU NSW	0	Unknown
Asteraceae	<i>Xanthium strumarium</i>	Noogoora Burr	B C		MP WA1 WA2 WA4 DEU NSW SA	16	2003

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)

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)

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)

CYP, Draft Cape York Peninsula Pest Management Plan 2006-2011 (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)

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)

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)

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)

MP, Northern Territory Parks & Conservation Masterplan (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)

NSW, Declared Noxious Weed in NSW (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)

SA, Declared Plant in South Australia (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)

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).

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More species info: Go to 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 McArthur

McArthur Pest and Potential Pest Animals



Animals with pest potential recorded in the grid cell(s) in which McArthur 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	16 (2006)	15 (2006)	15 (2008)
Asian House Gecko	<i>Hemidactylus frenatus</i>	P	.	188964	2 (2003)	3 (2006)	0 (Unknown)
Rock Dove	<i>Columba livia</i>	P	.	183336	4 (2000)	0 (Unknown)	0 (Unknown)
Red-tailed Black-cockatoo	<i>Calyptorhynchus banksii macrorhynchus</i>	N	.	223765	110 (2008)	9 (1976)	5 (2001)
Sulphur-Crested Cockatoo	<i>Cacatua galerita</i>	N	.	223772	87 (2003)	3 (1913)	5 (2008)
House Sparrow	<i>Passer domesticus</i>	P	.	183322	1 (1978)	0 (Unknown)	0 (Unknown)
Agile Wallaby	<i>Macropus agilis</i>	N	.	223786	7 (2003)	3 (1976)	2 (1996)
House Mouse	<i>Mus musculus</i>	P	.	187720	1 (2007)	0 (Unknown)	0 (Unknown)
Dingo / Wild dog	<i>Canis lupus</i>	N	.	183280	9 (2003)	16 (1969)	4 (1996)
Cat	<i>Felis catus</i>	P	.	183259	6 (2003)	1 (1978)	3 (2008)
Donkey	<i>Equus asinus</i>	P	.	183287	3 (2003)	0 (Unknown)	3 (1996)
Horse	<i>Equus caballus</i>	P	.	183315	12 (1999)	0 (Unknown)	0 (Unknown)
Pig	<i>Sus scrofa</i>	P	.	183329	1 (2002)	0 (Unknown)	0 (Unknown)
Banteng	<i>Bos javanicus</i>	P	.	183221	0 (Unknown)	0 (Unknown)	1 (2008)
Cattle	<i>Bos taurus</i>	P	.	183266	5 (2003)	0 (Unknown)	6 (1996)

NT STATUS CODES:

Int, Introduced species (all non-prohibited vertebrates, and all other exotic species (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))

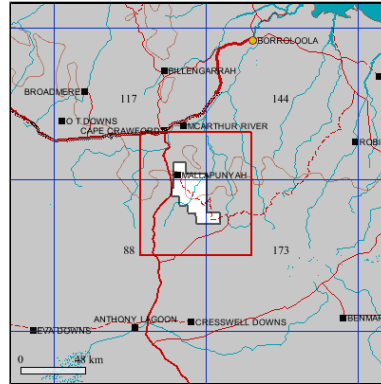
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Potential pest animals listed in the table above were recorded from all the grid cells shown below (red/blue line) that overlap McArthur



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.

Fire map layers used in these reports have been updated in 2018 so their pixels are aligned to the same grid.