

LAND RESOURCES of the UNDOOLYA ROCKY HILL AGRICULTURAL BLOCK

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NR Maps: <https://nrmaps.nt.gov.au>
Map Reference: DENR2020085 Undoolya-Rocky-Hill_Land-Resources_Map

LAND UNIT DESCRIPTIONS

RISES

- GR** Small gravelly mesa and sideslopes. Gravelly structured soils (Red Dermosols). Mixed species sparse tussock grassland with forb species.
- R** Bare areas among sandy rises and gravelly pediments. Undescribed. Largely bare or devoid of vegetation. Occasional pockets of *Senna* sp. open shrubland.
- SR** Undulating to rolling rises. Red sandy soils (Red-Orthic Tenosols). *Acacia aneura* with *Acacia estrophiolata* Mid high open woodland.

LOW RISES

- LRd** Drainage depressions within sandy rises, low rises and undulating plains. Red loamy soils (Red Kandosols). *Acacia aneura* and *Acacia estrophiolata* Mid high open woodland.
- LRh** Drainage depressions within sandy rises, low rises and undulating plains. Red loamy soils (Red Kandosols). *Acacia estrophiolata* with *Acacia aneura* and *Eucalyptus coolabah* subsp. *arida* Tall open woodland.
- LRI** Low rises and gently undulating plains. Red loamy soils (Red Kandosols). *Acacia estrophiolata* with *Hakea divaricata* and *Corymbia apparerinja* Low open woodland.

PLAINS

- FP** Mainly level floodplains with some raised areas of sandy and loamy deposits and some small depressions. Red earths (Red Kandosols and Dermosols). A number of various communities and bare areas exist and a dominant structure cannot be determined.
- FP-DM** Dissected margins of the floodplain; areas with moderate to large gullies. Red earths (Red Kandosols and Dermosols). Vegetation has not been described.
- FP-EV** Floodplain with surface erosion and minor gullies. Red earths (Red Kandosols and Dermosols). Vegetation has not been described.
- FP-Sal** Flat area of floodplain beside sandy rises overlying rock. Red brown loamy soils (Lithic Calcic Calcarosols). Largely bare or devoid of vegetation.
- FPa** Floodplains; minor areas of narrow elongated sandy deposits up to 50m wide and 1.2m high. Red brown loamy sands (Red-Orthic Tenosols). *Acacia estrophiolata* Tall open woodland.
- FPa/FP** Floodplains; minor areas of narrow elongated sandy deposits up to 50m wide and 1.2m high. Red brown loamy sands (Red-Orthic Tenosols). *Acacia estrophiolata* Tall open woodland.
- FPb** Bare areas of the floodplain; often slightly lower lying areas; can occur as very shallow basins and as closed depressions. Red earths (Red Dermosols and Kandosols). Largely bare or devoid of vegetation.
- FPd** Drainage lines and low lying areas. Red earths (Red Dermosols). *Eucalyptus coolabah* subsp. *arida* with *Acacia aneura* and *Acacia estrophiolata* Mid high open woodland.
- FPe** Undulating very slightly raised irregular sandy area of floodplain. Red sandy loams (Orthic Tenosols). *Acacia georginae* Mid high woodland.
- FPi** Floodplain areas adjacent to drainage areas. Red earths (Red Kandosols and Dermosols). *Eucalyptus coolabah* subsp. *arida* Dwarf open woodland (largely *E. coolabah* seedlings).
- FPj** Slightly elevated floodplain. Red loamy soils (Red Dermosols). *Eucalyptus coolabah* subsp. *arida* with *Acacia estrophiolata* and *Acacia tetragonophylla* Low open woodland/Tall sparse shrubland.
- FPs** Small areas on floodplain that are very slightly raised or have a soft surface. Red earths (Red Kandosols). *Acacia estrophiolata* with *Acacia kempeana* and *Hakea divaricata* Tall open woodland.
- FPs/FP** Small areas on floodplain that are very slightly raised or have a soft surface. Red earths (Red Kandosols). *Acacia estrophiolata* with *Acacia kempeana* and *Hakea divaricata* Tall open woodland.
- FPw** Lower lying areas of floodplain. Red earths (Red Kandosols). *Acacia estrophiolata* with *Eucalyptus coolabah* subsp. *arida* and *Hakea divaricata* Mid high open woodland.
- GP-Sal** Gravelly pediment. Gravelly soils (Calcic Calcarosols). Largely bare or devoid of vegetation.
- GPI** Low lying sections of pediment; downslope from gravelly rises and salinised gravelly pediment; near low lying areas of alluvial plain. Red sandy or loamy soils (Red Kandosols). *Senna artemisioides* subsp. *filifolia* with *Acacia aneura* and *Hakea leucoptera* Tall open shrubland.
- GPM** Mid to upper sections of pediment below gravelly rises; rock exposed in some areas. Red loamy soils (Red Kandosols). *Eremophila freelingii*, *Eremophila duttonii* and *Senna artemisioides* subsp. *alicia* Tall open shrubland.
- PS** Relict prior streams and floodout deposits; elevated up to 2m above adjacent floodplains. Sandy soils (Red-Orthic Tenosols). *Acacia estrophiolata* Mid high open woodland.

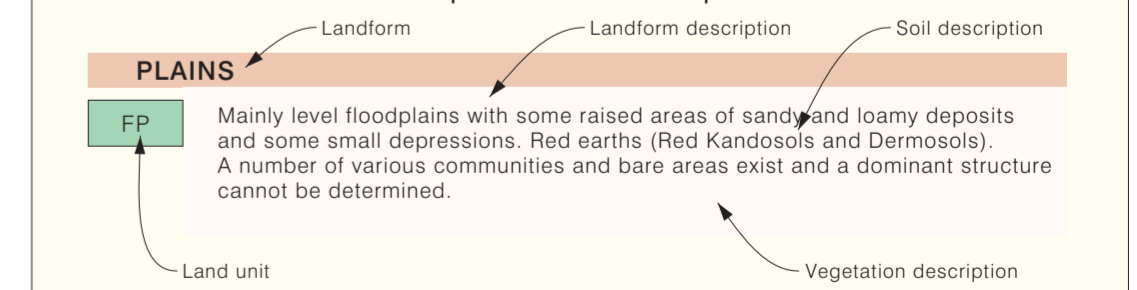
ALLUVIAL PLAINS

- API** Lower lying areas of alluvial plains. Red loamy soils (Red Kandosols). *Acacia aneura* with *Acacia estrophiolata* Mid high woodland.
- APp** Level alluvial plains. Red loamy soils (Red Kandosols). *Acacia aneura* with *Acacia estrophiolata* Tall woodland.

DRAINAGE

- SC** Stream channels; banks and stream bed, some channel benches. Sandy to loamy soils (Tenosols). *Eucalyptus camaldulensis* and *E. coolabah* subsp. *arida* Open woodland on larger banks and channel benches. Some areas of *Eucalyptus coolabah* open woodland with a grass understorey, other areas with sparse shrubs on banks.

Example of Land Unit Descriptions



MAP DISCLAIMER:

Land resource information has been derived from aerial photograph interpretation and field data describing landform, soil and vegetation. Mapping has been collected according to the national standards and prepared at a scale of 1:25 000. Enlarging this map beyond this scale will not provide further detail.

A site inspection should always accompany mapping for specific areas.

BIBLIOGRAPHIC REFERENCE:

Tucker J. Richard, Whitehouse M. Diana and King J. Daryl 1999. *Land Resources of The Undoolya Rocky Hill Agricultural Block. A Reconnaissance Land Resource Survey to Assess Potential Areas for Horticultural Development*. Natural Resources Division, Department of Lands, Planning and Environment, Alice Springs, NT.

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