

# Tunkillia Regolith-Landform Map

## Regolith-landform descriptions

<b>Alluvial Sediments</b>	
Aap <sub>1</sub>	Low relief landsurface with numerous narrow shallow drainage depressions. Red-brown clays and very fine to coarse, sub-angular to sub-rounded, very poorly sorted quartzose sand with Fe-oxide cutans. Slightly calcareous in places. Chenopod shrubland of <i>Maireana sedifolia</i> with minor <i>Acacia aneura</i> and <i>Casuarina pauper</i> . Abundant cryptogam mats.
Aap <sub>2</sub>	Low lying areas within dune swales associated with palaeo and contemporary alluvial sediments. Red-brown clay/silt and fine, sub-rounded, moderately sorted quartzose sand with Fe-oxide cutans. <i>Acacia aneura</i> thickets with occasional <i>Maireana sedifolia</i> . Abundant cryptogam mats.
Aed	Small incised channels over areas of low relief that are associated with contemporary drainage. Red-brown, clay/silt and very fine to coarse, sub-rounded to sub-angular, very poorly sorted quartzose sand, with gravel to small pebble fragments of calcrete and silcrete. Open woodland of <i>Acacia aneura</i> and <i>Casuarina pauper</i> with a <i>Maireana sedifolia</i> understory and crytogam mats.
Apd	Low relief landsurfaces associated with floodout areas of drainage depressions. Red-brown, clay/silt and fine to coarse, sub-angular to sub-rounded, very poorly sorted quartzose sand with Fe-oxide cutans. Slightly calcareous in places. Abundant gravel lag of calcrete and silcrete. Open woodland of <i>Acacia aneura</i> and <i>Casuarina pauper</i> with abundant <i>Maireana sedifolia</i> .
<b>Colluvial Sediments</b>	
CHep <sub>1</sub>	Areas of slight topographic relief consisting of red-brown, fine to very coarse, sub-angular to sub-rounded, moderately sorted quartzose sand with Fe-oxide cutans. Abundant calcrete with minor silcrete and dolomite gravel to pebble lag. Chenopod shrubland of <i>Maireana sedifolia</i> with minor <i>Acacia aneura</i> and <i>Casuarina pauper</i> . Abundant cryptogam mats.
CHep <sub>2</sub>	Areas of slight topographic relief consisting of red-brown, fine to very coarse, sub-angular to sub-rounded, poorly sorted quartzose sand with Fe-oxide cutans. Abundant calcrete with minor silcrete and dolomite gravel to pebble lag. Open woodland of <i>Acacia aneura</i> and <i>Casuarina pauper</i> with abundant <i>Maireana sedifolia</i> . Abundant cryptogam mats.
CHfs	Depositional plain corresponding with floodouts along alluvial systems. Red-brown clays and very fine to coarse, sub-angular to sub-rounded, very poorly sorted quartzose sand with Fe-oxide cutans. Slightly calcareous in places. Chenopod shrubland of <i>Maireana sedifolia</i> and <i>Atriplex vesicaria</i> with abundant <i>Acacia aneura</i> or <i>Casuarina pauper</i> (over calcareous soils), and cryptogam surface mats. Minor small shallow drainage depressions.
<b>Aeolian Sediments</b>	
ISps <sub>1</sub>	Sand plains associated with interdunal swales. Red-brown, fine to medium, sub-rounded to rounded, moderately to well sorted quartzose sand with Fe-oxide cutans. Minor sub-rounded pebble calcrete or silcrete lag within the larger swales. Open woodland of <i>Eucalyptus concinna</i> , <i>Acacia ramulosa</i> and <i>Acacia ligulata</i> with minor <i>Casuarina pauper</i> , <i>Maireana sedifolia</i> , <i>Bossiaea walkeri</i> , and <i>Cratystylis conocephala</i> . Abundant cryptogam mats.
ISps <sub>2</sub>	Areas of slight topographic relief associated with the dunefield margins. Red-brown, fine to medium, sub-rounded to rounded, moderately sorted quartzose sand with Fe-oxide cutans. Minor sub-rounded pebble calcrete or silcrete lag. Chenopod shrubland of <i>Maireana sedifolia</i> with abundant <i>Acacia aneura</i> and <i>Casuarina pauper</i> . Abundant cryptogam mats.
ISu	Dunefield of E-W longitudinal dunes. Red-brown, medium, rounded, well to very well sorted quartzose sand with Fe-oxide cutans. Open woodlands of <i>Acacia aneura</i> , <i>Acacia ramulosa</i> and <i>Eucalyptus socialis</i> with tussock grasses and cryptogam surface mats.
<b>Lacustrine sediments</b>	
Lpd <sub>1</sub>	Ephemeral Lakes consisting of red-brown to yellow-brown, clay/silt and fine, sub-rounded, moderately sorted quartzose sand cutans. Abundant mud-cracks and cryptogam mats. Open woodland of <i>Eucalypt ssp.</i> , <i>Acacia aneura</i> , and <i>Casuarina pauper</i> .
Lpd <sub>2</sub>	Floodout areas around ephemeral lakes. Red-brown, clay/silt and fine, sub-rounded, moderately sorted quartzose sand with Fe-oxide cutans. Abundant mud-cracks and crytogam mats. Open woodland of <i>Eucalypt ssp.</i> , <i>Acacia aneura</i> , and <i>Casuarina pauper</i> .
<b>Saprolith</b>	
SMep	Low gently rounded bedrock exposures of weathered coarse grain, K-feldspar rich granite.

