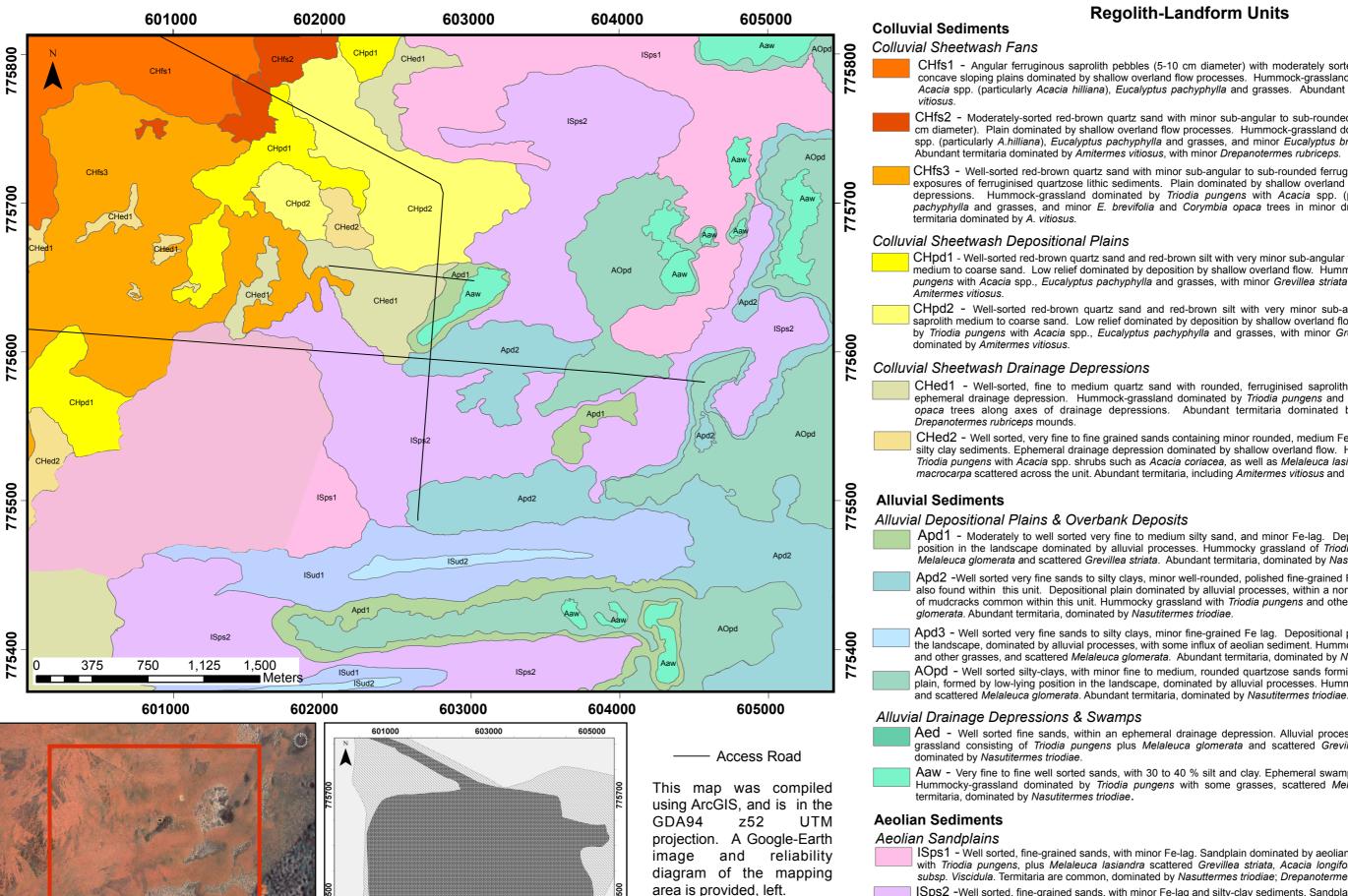
Regolith-Landform Map of the Titania Au-Prospect, Northern Territory.

Compiled by A.E. Petts & S.M. Hill

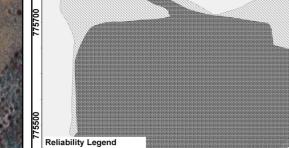
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- common, dominated by Nasutitermes triodiae; Drepanotermes rubriceps sparse.

Aeolian Dunes

- - and other grasses, and Grevillea eriostachya. Sparse termitaria.



Visitod

Google Earth Image of the Titania Au-Prospect and surrounds

(the red box indicates the extent of the reliability diagram)

I Inable to

601000

603000 Reliability diagram for the Titania Au-Prospect regolith-landform map.

605000

Regolith-Landform Units

CHfs1 - Angular ferruginous saprolith pebbles (5-10 cm diameter) with moderately sorted red-brown quartz sand. Slightly concave sloping plains dominated by shallow overland flow processes. Hummock-grassland dominated by Triodia pungens with Acacia spp. (particularly Acacia hilliana), Eucalyptus pachyphylla and grasses. Abundant termitaria dominated by Amitermes

CHfs2 - Moderately-sorted red-brown guartz sand with minor sub-angular to sub-rounded ferruginous saprolith pebbles (1-5 cm diameter). Plain dominated by shallow overland flow processes. Hummock-grassland dominated by T. pungens with Acacia spp. (particularly A.hilliana), Eucalyptus pachyphylla and grasses, and minor Eucalyptus brevifolia and Corymbia opaca trees.

CHfs3 - Well-sorted red-brown quartz sand with minor sub-angular to sub-rounded ferruginous saprolith coarse sand. Minor exposures of ferruginised quartzose lithic sediments. Plain dominated by shallow overland flow processes and minor drainage depressions. Hummock-grassland dominated by Triodia pungens with Acacia spp. (particularly A.hilliana), Eucalyptus pachyphylla and grasses, and minor E. brevifolia and Corymbia opaca trees in minor drainage depressions. Abundant

CHpd1 - Well-sorted red-brown quartz sand and red-brown silt with very minor sub-angular to sub-rounded ferruginous saprolith medium to coarse sand. Low relief dominated by deposition by shallow overland flow. Hummock-grassland dominated by Triodia pungens with Acacia spp., Eucalyptus pachyphylla and grasses, with minor Grevillea striata. Abundant termitaria, dominated by

CHpd2 - Well-sorted red-brown quartz sand and red-brown silt with very minor sub-angular to sub-rounded ferruginous saprolith medium to coarse sand. Low relief dominated by deposition by shallow overland flow. Hummock-grassland dominated by Triodia pungens with Acacia spp., Eucalyptus pachyphylla and grasses, with minor Grevillea striata. Abundant termitaria,

CHed1 - Well-sorted, fine to medium guartz sand with rounded, ferruginised saprolith medium to coarse sand. Broad ephemeral drainage depression. Hummock-grassland dominated by Triodia pungens and Acacia spp. shrubs with Corymbia opaca trees along axes of drainage depressions. Abundant termitaria dominated by Amitermes vitiosus, scattered

CHed2 - Well sorted, very fine to fine grained sands containing minor rounded, medium Fe-lag, with a significant proportion of silty clay sediments. Ephemeral drainage depression dominated by shallow overland flow. Hummocky grassland dominated by Triodia pungens with Acacia spp. shrubs such as Acacia coriacea, as well as Melaleuca lasiandra, Grevillea striata, and Hakea macrocarpa scattered across the unit. Abundant termitaria, including Amitermes vitiosus and Nasutitermes triodiae mounds.

Apd1 - Moderately to well sorted very fine to medium silty sand, and minor Fe-lag. Depositional plain formed by low-lying position in the landscape dominated by alluvial processes. Hummocky grassland of Triodia pungens and other grasses, with Melaleuca glomerata and scattered Grevillea striata. Abundant termitaria, dominated by Nasutiterme triodae

Apd2 -Well sorted very fine sands to silty clays, minor well-rounded, polished fine-grained Fe lag, exposed regolith-carbonates also found within this unit. Depositional plain dominated by alluvial processes, within a northerly-flowing palaeochannel, areas of mudcracks common within this unit. Hummocky grassland with Triodia pungens and other grasses, and scattered Melaleuca

Apd3 - Well sorted very fine sands to silty clays, minor fine-grained Fe lag. Depositional plain formed by low-lying position in the landscape, dominated by alluvial processes, with some influx of aeolian sediment. Hummocky grassland with Triodia pungens and other grasses, and scattered Melaleuca glomerata. Abundant termitaria, dominated by Nasutitermes triodiae

AOpd - Well sorted silty-clays, with minor fine to medium, rounded quartzose sands forming overbank deposits. Depositional plain, formed by low-lying position in the landscape, dominated by alluvial processes. Hummocky grassland of Triodia pungens

Aed - Well sorted fine sands, within an ephemeral drainage depression. Alluvial processes dominate the unit. Hummocky grassland consisting of Triodia pungens plus Melaleuca glomerata and scattered Grevillea striata. Abundant termitaria,

Aaw - Very fine to fine well sorted sands, with 30 to 40 % silt and clay. Ephemeral swamp, dominated by alluvial processes Hummocky-grassland dominated by Triodia pungens with some grasses, scattered Melaleuca glomerata also. Abundant

ISps1 - Well sorted, fine-grained sands, with minor Fe-lag. Sandplain dominated by aeolian processes. Hummocky grassland with Triodia pungens, plus Melaleuca lasiandra scattered Grevillea striata, Acacia longifolia, A. coriacea, and A. wickhamii subsp. Viscidula. Termitaria are common, dominated by Nasuttermes triodiae; Drepanotermes rubriceps sparse.

ISps2 -Well sorted, fine-grained sands, with minor Fe-lag and silty-clay sediments. Sandplain dominated by aeolian processes. of an alluvial component, due to its proximity to areas annually flooded. Hummocky grassland with Triodia pungens, plus Melaleuca lasiandra, scattered Grevillea striata, A. longifolia, A. coriacea, and A. wickhamii subsp. Viscidula. Termitaria are

ISud1 - Well sorted, fine-grained sands. Semi-mobile dune, dominated by aeolian processes. Grassland of Triodia pungens and other grasses, plus Grevillea eriostachya and Acacia spp. Termitaria rare, scattered Drepanotermes rubriceps.

ISud2 - Well sorted, fine-grained sands. Semi-mobile dune, dominated by aeolian processes. Grassland of Triodia pungens