

TRANSPORTED REGOLITH

COLLUVIAL SEDIMENTS

SHEET FLOW DEPOSITS

- CHpd 1 Light brown to red-brown quartzose, and slightly micaceous silts and sands, with sub-angular to rounded milky quartz with minor lithic clasts (<30 mm), and minor fragments of ferruginous regolith on a low topographical relief. Minor-major gullying into local depressions. Vegetation dominated by chenopod shrubs *Maireana pyramidata*, *Atriplex vesicaria* with minor *Craspedia uniflora*.
- CHpd 2 Light brown to red-brown quartzose, silts and sands, with sub-angular to rounded milky quartz with minor lithic clasts (50-100 mm), and exposed well rounded granodiorite boulders on a low topographical relief. Minor-major gullying into local depressions. Vegetation dominated by *Sida petrophila*, with some chenopod shrubs *Maireana pyramidata*, *Atriplex vesicaria* with minor *Acacia victoriae* and *Cassia artemisiodes*.
- CHpd 3 Light brown to red-brown quartzose, silts and sands, with sub-angular to rounded milky quartz with minor lithic clasts (10-50 mm) on a low topographical relief. Minor gullying into local depressions. Vegetation dominated by *Sida petrophila*, with some chenopod shrubs *Maireana pyramidata*, *Atriplex vesicaria* with minor *Acacia victoriae* and *Cassia artemisiodes*.
- CHpd 4 Light brown to red-brown quartzose, silts and sands, with sub-angular to rounded milky quartz with minor lithic clasts (5-40 mm), and exposed well rounded granodiorite boulders on a low topographical relief. Minor gullying into local depressions and scattered rabbit warrens. Vegetation dominated by chenopod shrubs: *Maireana pyramidata*, *Atriplex vesicaria* with minor *Acacia victoriae* and *Sida petrophila*.
- CHpd 5 Light brown to red-brown quartzose, silts and sands, with sub-angular to rounded milky quartz with minor lithic clasts (5-50 mm), and minor exposures of very well rounded granodiorite boulders on a low topographical relief. Minor gullying into local depressions, scattered rabbit warrens and relic gold diggings. Vegetation dominated by chenopod shrubs *Atriplex vesicaria*, *Maireana pyramidata*, with minor *Maireana sedifolia*, *Acacia victoriae* and *Ptilotus. ssp.*
- CHpd 6 Light brown to red-brown quartzose, silts with minor red, very well-rounded quartzose sands, with sub-angular to rounded milky quartz with minor lithic clasts (10-150 mm) and minor metasediment exposures on a low topographical relief. Minor gullying into local depressions. Vegetation dominated by *Bassia. ssp.*, with some chenopod shrubs *Maireana sedifolia*, *Maireana pyramidata* and minor *Acacia victoriae*.
- CHpd 7 Light brown to red-brown quartzose, silts and sands, with sub-angular to rounded milky quartz with minor lithic clasts (<40 mm), and rounded granodiorite boulders on a topographical low. Minor gullying into local depressions. Vegetation dominated by chenopod shrubs *Maireana sedifolia*, *Sida petrophila*, with minor *Acacia victoriae* and *Cassia artemisiodes*.

FILL

FILL

- Fm 1 Urban-Tibooburra township, surface lag are highly variable. Vegetation is variable and includes exotic species.

IN-SITU REGOLITH

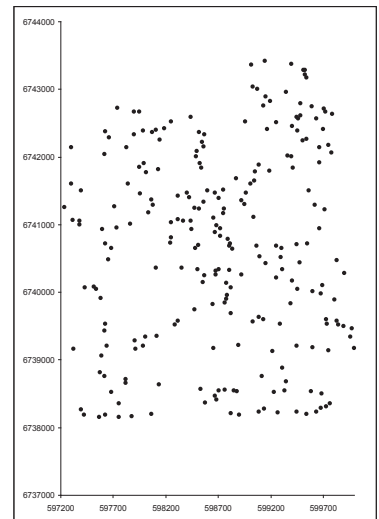
SAPROLITH

SAPROCK

- SSel 1 Slightly weathered bedrock, with micaceous fragments, red-brown, coarse angular quartzose sands, on a moderate relief (30-90 m) landsurface. Gullying into local depressions. Vegetation dominated by *Sida petrophila*, *Bassia. ssp.*, with sparse chenopod shrubs *Maireana pyramidata*, *Atriplex vesicaria* and minor *Acacia victoriae* and *Acacia tetragonaphylla*.
- SSel 2 Slightly weathered bedrock, displaying a preferred NW/SE orientation strike, with light brown to red-brown quartzose silts and sands, and slightly micaceous. Abundant sub-angular lithic clasts and ferruginous gravels with minor sub-angular milky quartz (10-70 mm), on a moderate relief (30-90 m) landsurface. Vegetation dominated by *Bassia. ssp.*, with sparse chenopod shrubs *Maireana sedifolia*, *Maireana pyramidata* and *Acacia victoriae*.
- SSer 1 Slightly weathered bedrock, with light brown to red-brown quartzose silts and sands, and slightly micaceous. Abundant sub-angular lithic clasts and ferruginous gravels with minor sub-angular to rounded milky quartz (10-70 mm), on a slight relief (9-30 m) landsurface. Minor gullying into local drainage depressions. Vegetation dominated by *Bassia. ssp.*, with sparse chenopod shrubs *Maireana sedifolia*, *Maireana pyramidata* and *Acacia victoriae*.
- SSer 2 Slightly weathered bedrock, with micaceous fragments, red-brown, coarse angular quartzose sands, on a slight relief (9-30 m) landsurface. Gullying into local depressions. Vegetation dominated by *Sida petrophila*, with sparse chenopod shrubs *Maireana pyramidata*, *Atriplex vesicaria* with minor *Acacia victoriae* and *Acacia tetragonaphylla*.
- SSep 1 Slightly weathered bedrock, with micaceous fragments, red-brown, quartzose silts and sands, on a low relief (0-9 m) landsurface. Abundant very angular milky quartz (10-200 mm). Vegetation dominated by chenopod shrubs *Maireana pyramidata*, with minor *Acacia victoriae*.
- SSep 2 Slightly weathered bedrock, with micaceous fragments, red-brown, coarse angular quartzose sands, minor well rounded granodiorite boulders, on a low relief (0-9 m) landsurface. Gullying into local depressions. Vegetation dominated by *Sida petrophila*, with some chenopod shrubs *Maireana pyramidata*, *Atriplex vesicaria* and minor *Acacia victoriae* and *Acacia tetragonaphylla*.
- SMep 1 Highly weathered bedrock, orange to pale-yellow, slightly micaceous, with coarse angular lithic fragments. Minor rounded milky quartz (50-150 mm) and minor fragments of angular to sub-rounded ferruginous regolith, on a low relief (0-9 m) landsurface. Minor gullying into local drainage depressions. Vegetation dominated by chenopod shrubs *Maireana pyramidata* with minor *Sida petrophila*.

LANDFORMS

- a - Alluvial landforms
- ap - alluvial plain
- pd - depositional plain
- ed - drainage depression
- ar - alluvial channel
- ps - sandplain
- ep - erosional plain (0<9 m)
- er - erosional rise (9<30 m)
- el - erosional low hill (30<90 m)
- m - man made



FIELD SITE LOCATIONS