



SURFACE DISTRIBUTION OF REGOLITH-LANDFORM UNITS FOR THE KANOWNA BELLE DISTRICT

RESIDUAL REGIME

R1 Black Fe-rich duricrust, lateritic duricrust (low in Fe), lateritic pisoliths and nodules, ferruginous saprolite fragments, acid to calcareous red clay soil - crests and low topographic highs

EROSIONAL REGIME

- E1 Lag of fragments of ferruginous saprolite and ferruginous lithic fragments with minor lateritic nodules and pisoliths, acid to calcareous red clay soil - crests, backslopes (upper and midslopes), gently undulating topographic highs
- E2 Calcareous brown clay soil with carbonate nodules over non-calcareous red/orange clays and mottled zone - gently sloping terrain
- E3 Saprolite and mottled zone exposed - breakaway scarps, pediments
- E4 Saprolite as pale clays with carbonate nodules, black ferruginous granules and quartz erosional plains
- E5 Bedrock fragments and red calcareous sandy clay soils - scree slopes
- E7 Ferruginous bedrock - low hills
- E8 Bedrock - high hills

DEPOSITIONAL REGIME

- D1a Acid to calcareous red clay soil with polymictic ferruginous lag within major drainage basins and channels
- D1b Acid to calcareous red clay soil with common black polymictic ferruginous lag within minor drainage basins and channels
- D2 Calcareous soils as sheetwash - colluvium
- D4 Black, fine hematite-maghemite-rich ferruginous granules, acid to calcareous red clay soils, colluvium/alluvium - gently sloping alluvial floor
- D5 Acid to calcareous soils - broad alluvial floor
- D6 Orange to brown saline clays and muds, playa
- D7 Gypsiferous sands with minor rounded quartz and lithic fragments, playa
- D8 Calcareous sandy soil as dunes with associated pale orange clays within swales

Prefixes
f felsic m mafic s sediment
 um ultramafic

Breakaways X Mines X Alluvial workings

0 1 2 3 4 5 km

This map uses an uncontrolled photomosaic as its base; some minor distortion occurs.