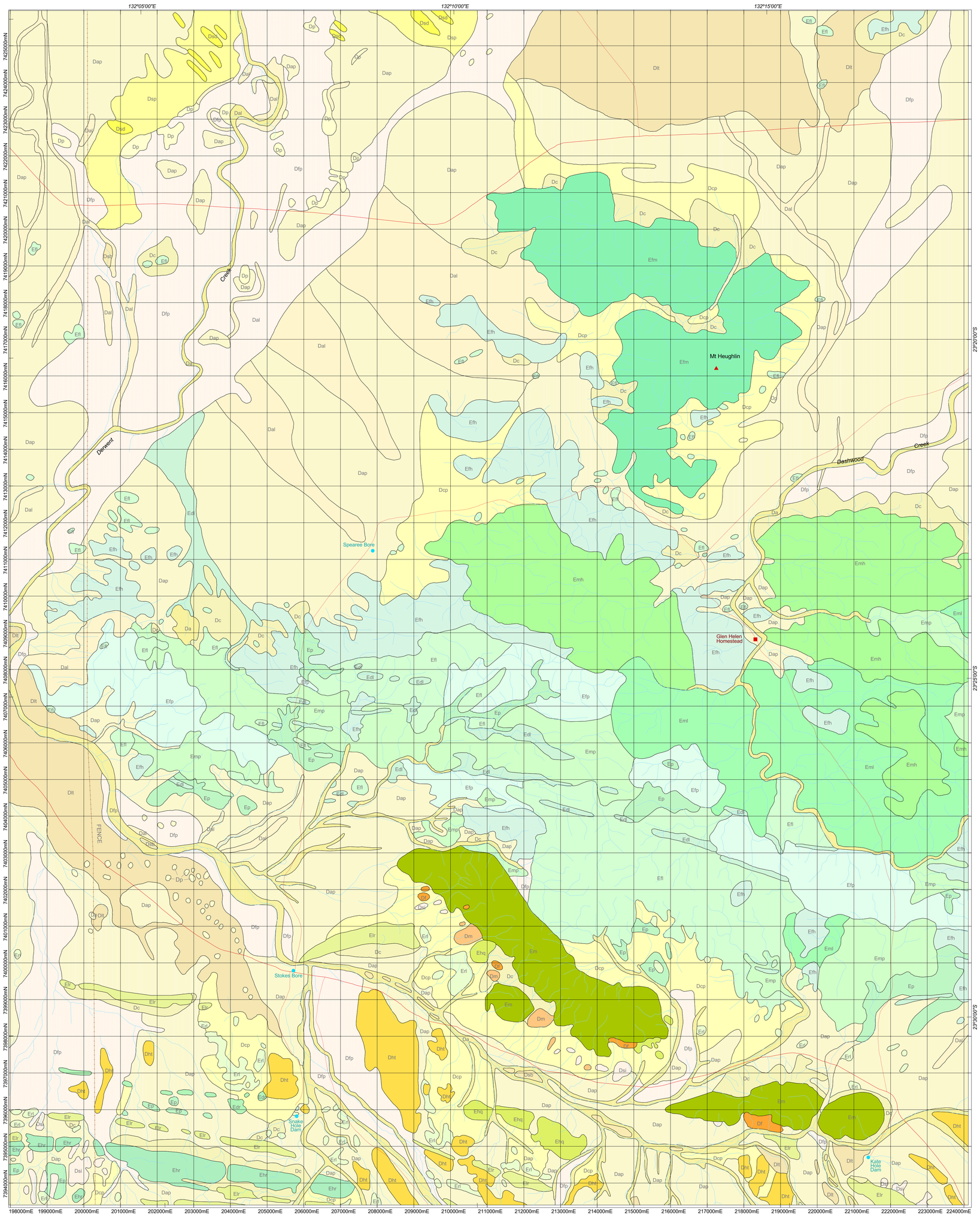
REGOLITH-LANDFORM MAP OF MT HEUGHLIN AREA, NORTHERN TERRITORY



EROSIONAL REGIME

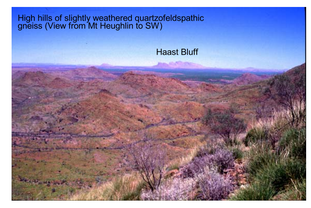
Elr	Low ranges of saprock on quartzite and slightly metamorphosed sandstone
Ehr	High ranges of slightly weathered, thickly bedded quartzite and sandstone
Ehq	High hills of slightly weathered quartzite and sandstone
Em	High mountains of slightly weathered, thickly bedded quartzite and sandstone
Edr	Low ridges on saprock of the Bitter Spring Formation (mainly mudstone and dolomite)
Erl	Low rises consisting of erosional remnants of highly weathered metamorphic rocks
Ep	Undulating erosion plains with a veneer of lithic soil on saprock
Efs	Low hills of ferruginous saprolite on siltstone and mudstone
Edl	Corestones and tors of weathered dolerite dykes in quartzofeldspathic gneiss
Efl	Low hills on slightly weathered quartzofeldspathic gneiss
Efh	High hills on slightly weathered quartzofeldspathic gneiss
Efm	Mountains on slightly weathered quartzofeldspathic gneiss
Efp	Erosion plains and rugged low hills with outcrops of slightly weathered metamorphic rocks
Eml	Low hills in rugged terrains on slightly weathered migmatite and banded gneiss
Emh	High hills in rugged terrains on slightly weathered migmatite and banded gneiss
Emp	Erosion plains with rock fragments, corestones and tors on migmatite and dolerite

DEPOSITIONAL REGIME

Da	Modern stream channels with unconsolidated fluvial sands and gravel
Dsb	Mid-channel sand bars of unconsolidated alluvial sediments
Dal	Undefined or abandoned stream channels with unconsolidated fluvial sediments
Dfp	Seasonally inundated floodplains with clay-rich alluvium, colluvium and overbank sediments
Dap	Gently undulating alluvial plains with clay-rich alluvium and colluvium, overbank sediments or slope-wash detritus
Dp	Claypans - shallow depressions of clayey and silty sediment on alluvial plains
Dsp	Aeolian sand plains with longitudinal sand dunes on alluvial sediments
Dsd	Large longitudinal dunes of well-sorted reddish sand
Dc	Pediments consisting of lithic fragments in colluvium and sheet-wash detritus
Dcp	Colluvial plains and wash plains with sand- or clay-rich soil on colluvium and sheetwash detritus
Dlt	Lower river terraces with lag of river gravel on clay-rich soil
Dht	Higher river terraces with lag of river gravel and quartz fragments on saprolite and saprock of gneiss and schist
Dm	Mesas of massive silcrete of fluvial sediments forming hard caps on sandstone and quartzite
Dsi	Low rises of erosional remnants of massive silcrete consisting of river sand and gravel
Df	Hill cappings of massive ferricrete in fluvial sediments consisting of river sand, gravel and boulders

Ferruginous saprolite on the Bitter Spring Formation capped by boulders on remnants of a higher terrace

Haast Bluff



High hills of slightly weathered quartzofeldspathic gneiss (View from Mt Heughlin to SW)

Haast Bluff

Drainage

Road

Track

N

1:50 000

0 1000 2000 3000 Meters

Projection: UTM Zone 53 Datum: AGD66

Regolith and landforms by Li Shu (CRC LEME, CSIRO), 1999. GIS by Li Shu and Vicon Graphics -- GIS Mapping & 3D imaging. Based on interpretation of aerial photographs and field observations. Published by CRC LEME, CSIRO

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