

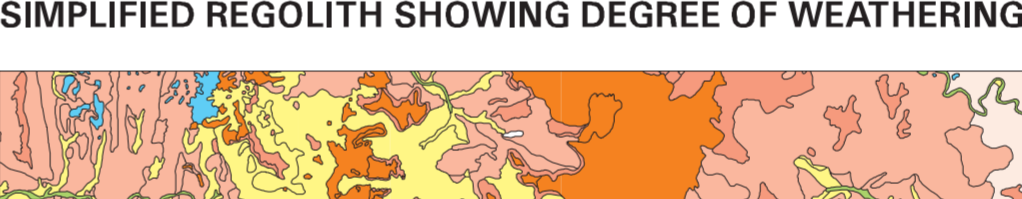
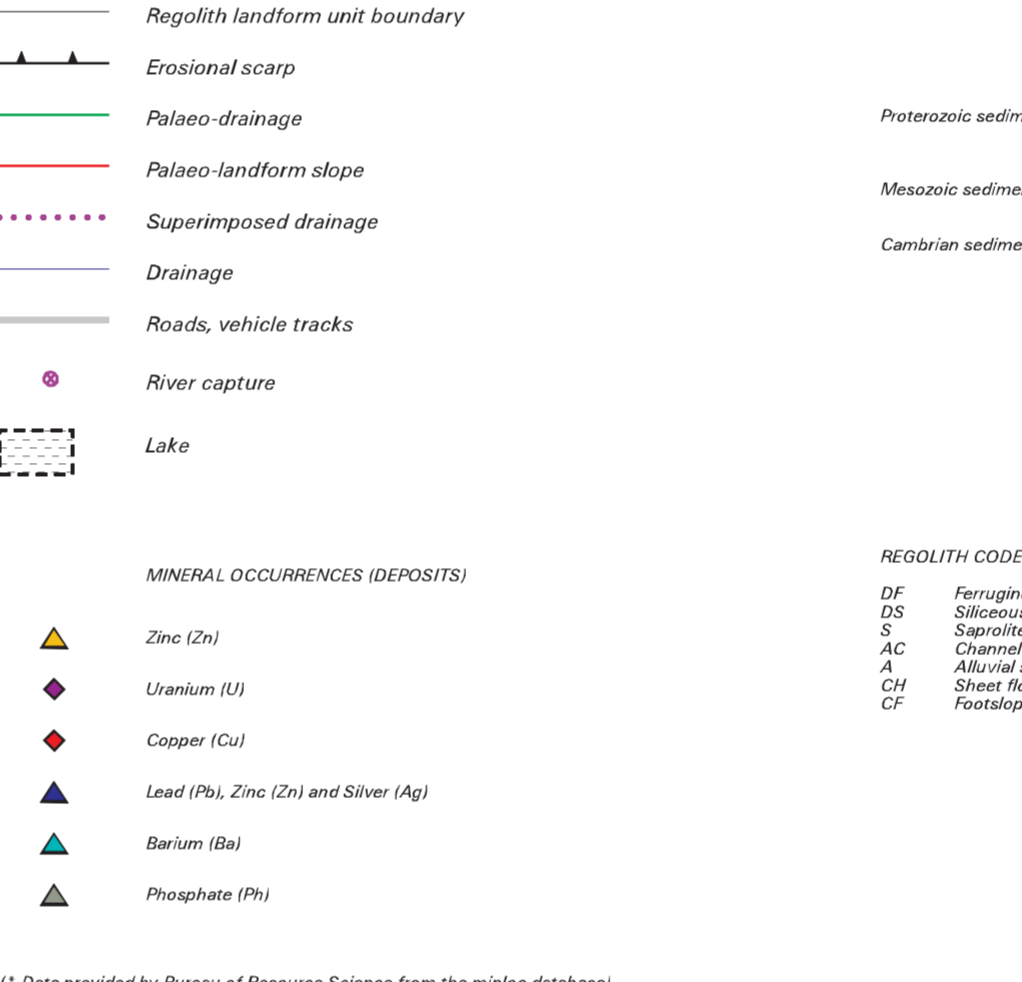
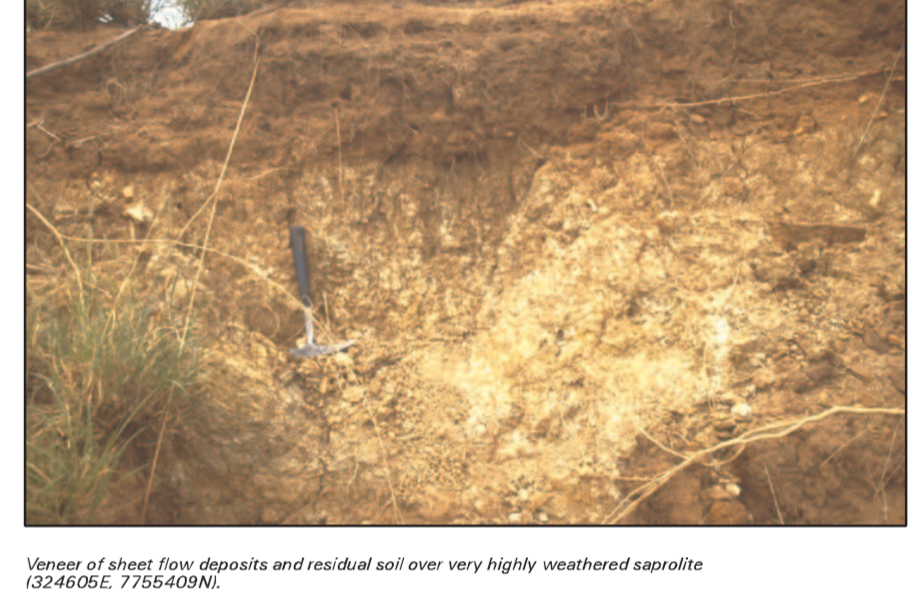
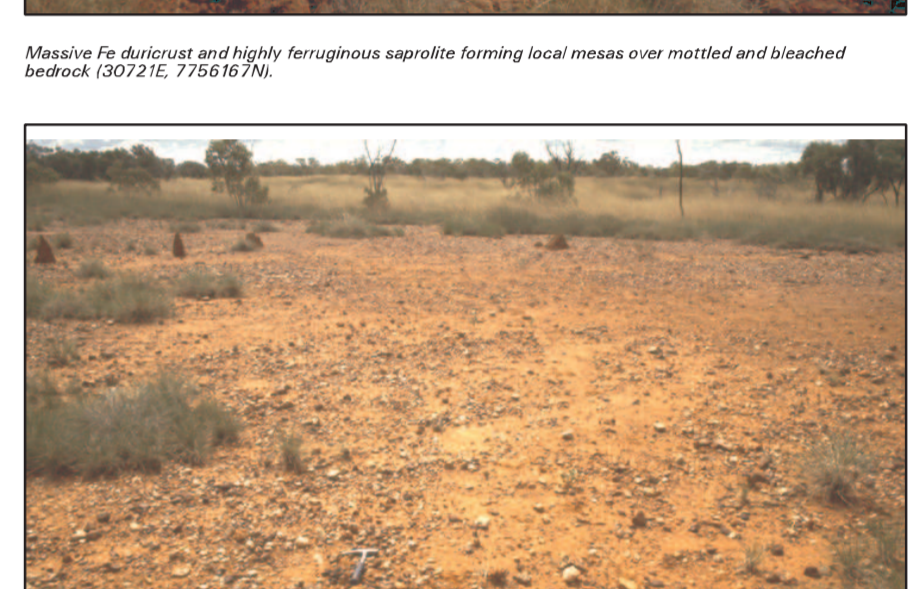
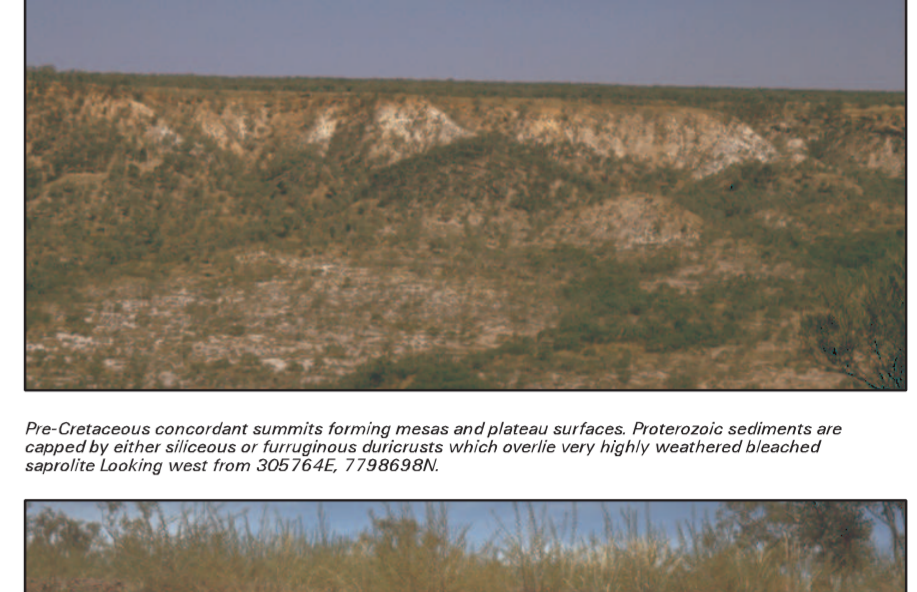
# Regolith-landform units over 3-band Landsat TM

## BUCKLEY RIVER - LADY LORETTA Regolith - Landforms



### REGOLITH TYPES

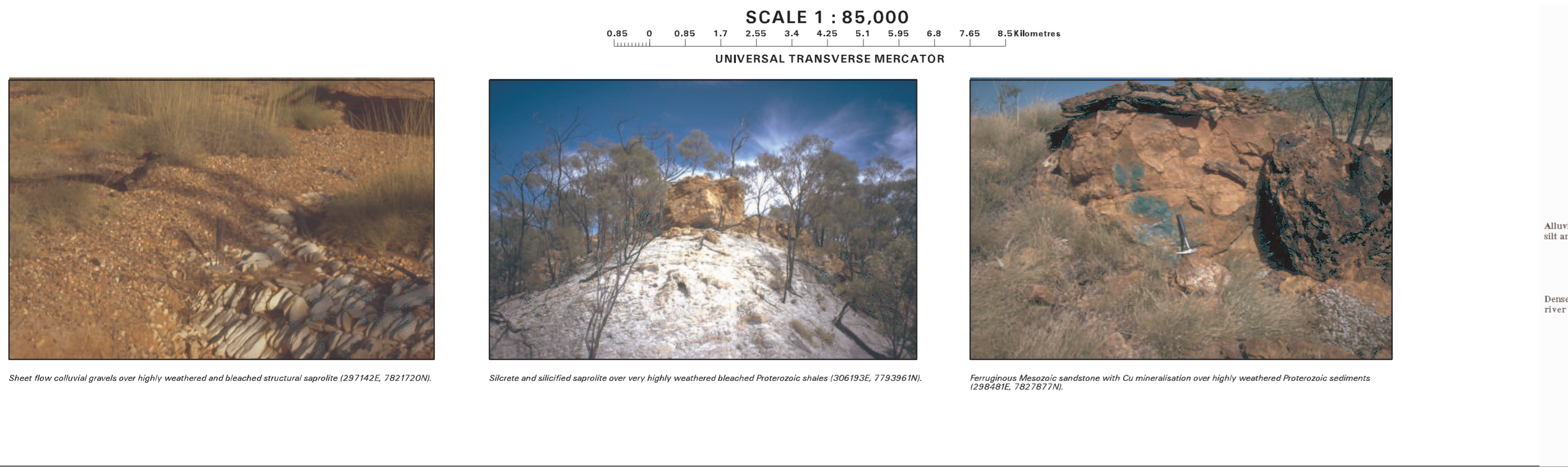
Major bedrock type	Description	REGOLITH CODES	LANDFORM CODES
Proterozoic bedrock	<b>Duricrust</b> Ferruginous Df1a1 Df1a2 Df1a3 Df1a4 Df1a5 Df1a6	Massive and/or phase stable ferruginous duricrust or calcareous ferruginous duricrust over massive and blocky dolerite. Layers of ferruginous duricrust are typically oriented in the direction of flow. Masses, minor veins and blocky dolerite.	None
	<b>Siltstone</b> Sf1a1 Sf1a2 Sf1a3 Sf1a4 Sf1a5 Sf1a6	Siltstone common as indurated pavement or soil. Shallow and ferruginous duricrust overlying massive and blocky dolerite. Ferruginous duricrust is common in the upper 100m of the profile. Masses, minor veins and blocky dolerite.	None
	<b>Mesozoic sediments</b> Mf1a1 Mf1a2 Mf1a3 Mf1a4 Mf1a5 Mf1a6 Mf1a7 Mf1a8 Mf1a9 Mf1a10 Mf1a11 Mf1a12 Mf1a13 Mf1a14 Mf1a15 Mf1a16 Mf1a17 Mf1a18 Mf1a19 Mf1a20	Massive and/or highly ferruginous duricrust over massive and blocky dolerite. Ferruginous duricrust is common in the upper 100m of the profile. Masses, minor veins and blocky dolerite.	None
	<b>Proterozoic bedrock</b> P1a1 P1a2 P1a3 P1a4 P1a5 P1a6 P1a7 P1a8 P1a9 P1a10 P1a11 P1a12 P1a13 P1a14 P1a15 P1a16 P1a17 P1a18 P1a19 P1a20	Massive and/or highly ferruginous duricrust over massive and blocky dolerite. Ferruginous duricrust is common in the upper 100m of the profile. Masses, minor veins and blocky dolerite.	None
	<b>Proterozoic bedrock</b> P2a1 P2a2 P2a3 P2a4 P2a5 P2a6 P2a7 P2a8 P2a9 P2a10 P2a11 P2a12 P2a13 P2a14 P2a15 P2a16 P2a17 P2a18 P2a19 P2a20	Massive and/or highly ferruginous duricrust over massive and blocky dolerite. Ferruginous duricrust is common in the upper 100m of the profile. Masses, minor veins and blocky dolerite.	None
	<b>Proterozoic bedrock</b> P3a1 P3a2 P3a3 P3a4 P3a5 P3a6 P3a7 P3a8 P3a9 P3a10 P3a11 P3a12 P3a13 P3a14 P3a15 P3a16 P3a17 P3a18 P3a19 P3a20	Massive and/or highly ferruginous duricrust over massive and blocky dolerite. Ferruginous duricrust is common in the upper 100m of the profile. Masses, minor veins and blocky dolerite.	None
Cambrian sediments	<b>Claystone</b> C1a1 C1a2 C1a3 C1a4	Highly ferruginous duricrust over massive and blocky dolerite. Ferruginous duricrust is common in the upper 100m of the profile. Masses, minor veins and blocky dolerite.	None
	<b>Siltstone</b> S2a1 S2a2 S2a3 S2a4 S2a5 S2a6 S2a7 S2a8 S2a9 S2a10 S2a11 S2a12 S2a13 S2a14 S2a15 S2a16 S2a17 S2a18 S2a19 S2a20	Highly ferruginous duricrust over massive and blocky dolerite. Ferruginous duricrust is common in the upper 100m of the profile. Masses, minor veins and blocky dolerite.	None
	<b>Shale</b> S3a1 S3a2 S3a3 S3a4 S3a5 S3a6 S3a7 S3a8 S3a9 S3a10 S3a11 S3a12 S3a13 S3a14 S3a15 S3a16 S3a17 S3a18 S3a19 S3a20	Highly ferruginous duricrust over massive and blocky dolerite. Ferruginous duricrust is common in the upper 100m of the profile. Masses, minor veins and blocky dolerite.	None
	<b>Sandstone</b> S4a1 S4a2 S4a3 S4a4 S4a5 S4a6 S4a7 S4a8 S4a9 S4a10 S4a11 S4a12 S4a13 S4a14 S4a15 S4a16 S4a17 S4a18 S4a19 S4a20	Highly ferruginous duricrust over massive and blocky dolerite. Ferruginous duricrust is common in the upper 100m of the profile. Masses, minor veins and blocky dolerite.	None
Mesozoic sediments	<b>Siltstone</b> M3a1 M3a2 M3a3 M3a4 M3a5 M3a6 M3a7 M3a8 M3a9 M3a10 M3a11 M3a12 M3a13 M3a14 M3a15 M3a16 M3a17 M3a18 M3a19 M3a20	Highly ferruginous duricrust over massive and blocky dolerite. Ferruginous duricrust is common in the upper 100m of the profile. Masses, minor veins and blocky dolerite.	None
	<b>Shale</b> M4a1 M4a2 M4a3 M4a4 M4a5 M4a6 M4a7 M4a8 M4a9 M4a10 M4a11 M4a12 M4a13 M4a14 M4a15 M4a16 M4a17 M4a18 M4a19 M4a20	Highly ferruginous duricrust over massive and blocky dolerite. Ferruginous duricrust is common in the upper 100m of the profile. Masses, minor veins and blocky dolerite.	None
	<b>Sandstone</b> M5a1 M5a2 M5a3 M5a4 M5a5 M5a6 M5a7 M5a8 M5a9 M5a10 M5a11 M5a12 M5a13 M5a14 M5a15 M5a16 M5a17 M5a18 M5a19 M5a20	Highly ferruginous duricrust over massive and blocky dolerite. Ferruginous duricrust is common in the upper 100m of the profile. Masses, minor veins and blocky dolerite.	None
	<b>Claystone</b> M6a1 M6a2 M6a3 M6a4 M6a5 M6a6 M6a7 M6a8 M6a9 M6a10 M6a11 M6a12 M6a13 M6a14 M6a15 M6a16 M6a17 M6a18 M6a19 M6a20	Highly ferruginous duricrust over massive and blocky dolerite. Ferruginous duricrust is common in the upper 100m of the profile. Masses, minor veins and blocky dolerite.	None
Alluvial sediments	<b>Alluvial</b> A1a A1b A1c A1d A1e A1f A1g A1h A1i A1j A1k A1l A1m A1n A1o A1p A1q A1r A1s A1t A1u A1v A1w A1x A1y A1z	Highly ferruginous duricrust over massive and blocky dolerite. Ferruginous duricrust is common in the upper 100m of the profile. Masses, minor veins and blocky dolerite.	None
	<b>Colluvial</b> C2a C2b C2c C2d C2e C2f C2g C2h C2i C2j C2k C2l C2m C2n C2o C2p C2q C2r C2s C2t C2u C2v C2w C2x C2y C2z	Highly ferruginous duricrust over massive and blocky dolerite. Ferruginous duricrust is common in the upper 100m of the profile. Masses, minor veins and blocky dolerite.	None
	<b>Residual</b> R3a R3b R3c R3d R3e R3f R3g R3h R3i R3j R3k R3l R3m R3n R3o R3p R3q R3r R3s R3t R3u R3v R3w R3x R3y R3z	Highly ferruginous duricrust over massive and blocky dolerite. Ferruginous duricrust is common in the upper 100m of the profile. Masses, minor veins and blocky dolerite.	None



### LANDSAT TM INTERPRETATIVE KEY

Legend for Landsat TM interpretative key:

- Ferruginous medium
- Highly weathered bedrock
- Alkali and lacustrine sediments
- Highly weathered bedrock
- Alkali and lacustrine sediments
- Mesozoic sediments
- Sandstone, siltstone, mudstone and conglomerate
- Cambrian sediments
- Siltstone, sandstone, limestone, claystone, shale and phyllosilicate
- Very highly weathered bedrock
- Moderately weathered bedrock
- Colluvial sediments
- Mesozoic sediments
- Sandstone, siltstone, mudstone and conglomerate
- Cambrian sediments
- Siltstone, sandstone, limestone, claystone, shale and phyllosilicate
- Highly weathered bedrock
- Alkali and lacustrine sediments
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Scale: 1:85,000. Universal Transverse Mercator (UTM) coordinates.

Legend for Major Landforms:

- High hills (90-120m)
- Low hills (50-90m)
- Plateau surface
- Enclosures
- Revetted hills (90-120m)
- Colluvial plain and minor features
- Lacustrine facies and alluvial plain

Legend for Regolith types:

- Highly weathered bedrock
- Moderately weathered bedrock
- Colluvial sediments
- Mesozoic sediments
- Cambrian sediments
- Siltstone, sandstone, limestone, claystone, shale and phyllosilicate

Legend for Regolith types:

- Highly weathered bedrock
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