



Geological Maps

General Legend

■	Towns	Powerlines
+	Mountain	—	Rivers
×	Pass	—	APPT250K_Contours_line
.	spot_elevations	—	State Boundaries
Huts, Ruins, Sites		Roads	
🏠	Burnt	==	Dual Carriageway, Sealed
🏠	Good	—	Minor Road, Sealed
⌘	Mine	----	Minor Road, Unsealed
🏠	Ruin	—	Principal Road, Sealed
🏠	Unknown	—	Secondary Road, Sealed
🏠	poor	----	Secondary Road, Unsealed
		----	Track, Unsealed

Geological Line Features

—	Coastline
—	Dyke or vein
—	Fault
.....	Fault, concealed
—	Geological boundary
.....	Geological boundary, concealed
—	Shear zone
.....	Shear zone, concealed

Descriptions of Geological 4 Digit Codes:

Format = Trxy

1. T = unit age. Two letters may be used for units spanning for than one age periods.

Cainozoic	Cz	Devonian	D
Quaternary	Q	Silurian	S
Tertiary	T	Ordovician	O
Mesozoic	Mz	Cambrian	-C
Cretaceous	K	Proterozoic	-P
Jurassic	J	Neoproterozoic	N
Triassic	-R	Mesoproterozoic	M
Palaeozoic	Pz	Palaeoproterozoic	L
Permian	P	Archaean	A
Carboniferous	C		

2. r = gross rock descriptor.

A one letter code to reflect the broad lithological composition of the unit

IGNEOUS	EXAMPLES
g felsic to intermediate intrusive	granite, granodiorite, tonalite, monzonite, diorite, syenite
d mafic intrusive	gabbro, dolerite, norite
f felsic extrusive / high level intrusive	rhyolite, dacite, ignimbrite, pyroclastic rocks
a intermediate extrusive / high level intrusive	andesite, trachyte, latite, pyroclastic rocks
b mafic extrusive / high level intrusive	basalt, scoria, shoshonite, pyroclastic rocks
u ultramafic undivided (intrusive & extrusive)	komatiite, high Mg basalt, pyroxenite, dunite, wehrlite
k alkaline ultramafic	kimberlite, lamprophyre, carbonatite
SEDIMENTARY	EXAMPLES
s siliciclastic/undifferentiated sediment	shale, siltstone, sandstone, conglomerate, mudstone
j volcanogenic sediment	epiclastic sediments and breccias, greywacke, arkose
l carbonate sediment	limestone, marl, dolomite
c non-carbonate chemical sediment	chert, evaporite, phosphorite, BIF
o organic-rich rock	coal, amber, oil shale
MIXED SEDIMENTARY & IGNEOUS	EXAMPLES
v felsic & mafic volcanics	
i felsic & mafic intrusives	
w volcanics & sediments	

METAMORPHIC	EXAMPLES
y low-medium grade meta clastic sediment	slate, phyllite, schist, quartzite
t low-medium grade metabasite mafic	schist, greenstone, amphibolite
r low-medium grade metafelsite	rhyolitic schist, meta-andesite
m calc-silicate and marble	meta carbonates and calcareous sediments
n high grade metamorphic rock	gneiss, granulite, migmatite
p high-P metamorphic rock	eclogite, blueschist
h contact metamorphic rock	hornfels, spotted slate
e metamorphosed ultramafic rocks	serpentinite, talc schist, chlorite schist (no feldspars), tremolite schist, ultramafic amphibolite
OTHER	
z fault / shear rock	mylonite, fault breccia, cataclasite, gouge
q vein	quartz vein, carbonate vein
x	complex, undivided, unknown melange

3. xy = One or two letters to reflect the stratigraphic name of a unit. Where practical, these letters reflect stratigraphic grouping or hierarchy. For instance, formations within a named group should have letter symbols reflecting their parent group.

eg: Manning Group - Psm
 Colrairie Mudstone - Psmc
 Echo Hills Formation - Psme

Reference:

Raymond, O.L., Liu, S.F., Kilgour, P., Retter, A.J., Connolly, D.P., 2007
 Surface geology of Australia 1:1,000,000 scale, New South Wales 2nd edition [Digital Dataset]
 Surface geology of Australia 1:1,000,000 scale, Victoria - 3rd edition [Digital Dataset]
 Canberra: The Commonwealth of Australia, Geoscience Australia.