



Geological Legend

CENOZOIC UNITS (mainly unconsolidated deposits)

Quaternary	Cenozoic
D Quaternary sediments, undivided	Cz Cenozoic sediments, undivided
Da Channel and flood plain alluvium, gravel, sand, silt, clay	Cza Alluvial deposits, typically incised by current drainage
Db Volcanic rocks, predominantly mafic; basalt, trachyte, rhyolite	Czb Volcanic rocks, predominantly mafic
Dd Dunes, sand plain with dunes	Czc Consolidated siliciclastic rocks
Ddc Coastal dunes, beach ridge, barrier beach, foredune and shoreline sands	Czd Felsic to intermediate volcanic rocks
De Estuarine, tidal delta deposits; coastal mud flats	Czg Felsic intrusive rocks
Dk Calcrete	Czi Limestone
Drc Colluvium and/or residual deposits; boulder, gravel, sand	Czj Calcrete
Drb Black soil plains	Czk Latellite, ferruginous duricrust
Dsg Glacial sediments, moraine	Czs Sand plain
Dam Anthropogenic deposits; mining waste, salt pans	Czt Lake and swamp deposits
Dl Lake and swamp deposits; mud, silt, evaporites, limestone, minor sand	Czv Silcrete
Dv Volcanics, undivided	

SEDIMENTARY ROCKS AND LOW-GRADE METAMORPHIC ROCKS

mudstone, siltstone, sandstone, conglomerate (s), limestone (l), coal measures (c), volcanogenic sediments (v), mixed sediments, volcanics (w)

	Felsic	Intermediate	Mafic to ultramafic
MESOZOIC	Ma, Mb, Mc	Ma, Mb, Mc	Ma, Mb, Mc
PALEOZOIC	Pa, Pb, Pc, Pd, Pe, Pf, Pg, Ph, Pi, Pj, Pk, Pl, Pm, Pn, Po, Pp, Pq, Pr, Ps, Pt, Pu, Pv, Pw, Px, Py, Pz	Pa, Pb, Pc, Pd, Pe, Pf, Pg, Ph, Pi, Pj, Pk, Pl, Pm, Pn, Po, Pp, Pq, Pr, Ps, Pt, Pu, Pv, Pw, Px, Py, Pz	Pa, Pb, Pc, Pd, Pe, Pf, Pg, Ph, Pi, Pj, Pk, Pl, Pm, Pn, Po, Pp, Pq, Pr, Ps, Pt, Pu, Pv, Pw, Px, Py, Pz
NEOPROTEROZOIC	Np, Nq, Nr, Ns, Nt, Nu, Nv, Nw, Nx, Ny, Nz	Np, Nq, Nr, Ns, Nt, Nu, Nv, Nw, Nx, Ny, Nz	Np, Nq, Nr, Ns, Nt, Nu, Nv, Nw, Nx, Ny, Nz
MESOPROTEROZOIC	Mp, Mq, Mr, Ms, Mt, Mu, Mv, Mw, Mx, My, Mz	Mp, Mq, Mr, Ms, Mt, Mu, Mv, Mw, Mx, My, Mz	Mp, Mq, Mr, Ms, Mt, Mu, Mv, Mw, Mx, My, Mz
PALAEOPROTEROZOIC	Pp, Pq, Pr, Ps, Pt, Pu, Pv, Pw, Px, Py, Pz	Pp, Pq, Pr, Ps, Pt, Pu, Pv, Pw, Px, Py, Pz	Pp, Pq, Pr, Ps, Pt, Pu, Pv, Pw, Px, Py, Pz

IGNEOUS ROCKS

Felsic to mafic

Felsic to mafic
Fa, Fb, Fc, Fd, Fe, Ff, Fg, Fh, Fi, Fj, Fk, Fl, Fm, Fn, Fo, Fp, Fq, Fr, Fs, Ft, Fu, Fv, Fw, Fx, Fy, Fz

MEDIUM TO HIGH-GRADE METAMORPHIC ROCKS

Intrusive rocks (i = metamorphosed), mafic to ultramafic (u = metamorphosed), mafic (m = mafic), low-medium grade (l = siliciclastic), high-grade metamorphics and complexes (h)

Intrusive rocks	Mafic to ultramafic	Low-medium grade	High-grade metamorphics and Complexes
Ma, Mb, Mc, Md, Me, Mf, Mg, Mh, Mi, Mj, Mk, Ml, Mm, Mn, Mo, Mp, Mq, Mr, Ms, Mt, Mu, Mv, Mw, Mx, My, Mz	La, Lb, Lc, Ld, Le, Lf, Lg, Lh, Li, Lj, Lk, Ll, Lm, Ln, Lo, Lp, Lq, Lr, Ls, Lt, Lu, Lv, Lw, Lx, Ly, Lz	Ha, Hb, Hc, Hd, He, Hf, Hg, Hh, Hi, Hj, Hk, Hl, Hm, Hn, Ho, Hp, Hq, Hr, Hs, Ht, Hu, Hv, Hw, Hx, Hy, Hz	Ca, Cb, Cc, Cd, Ce, Cf, Cg, Ch, Ci, Cj, Ck, Cl, Cm, Cn, Co, Cp, Cq, Cr, Cs, Ct, Cu, Cv, Cw, Cx, Cy, Cz

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