



SOILS 1:50 000 – detailed description

GROUP	CLASS	LIMIT	UNIT_TYPE	DESCR_ENG	DOMINANT1	DOMINANT2	SUBDOMIN	DEPTH
AvA	3	i	SOIL ASSOCIATION	Shallow (300-600mm), yellow-brown apedal sandy loam/sandy clay loam, mesotrophic on soft plinthite; in association with yellow-brown apedal sandy loam/sandy clay loam, mesotrophic on hard plinthite	Av26	Gc26	Gc24, Ka20, Hu26	300-600mm
AvB	3	i	SOIL ASSOCIATION	Shallow (300-600mm), yellow-brown apedal sandy loam/sandy clay loam, dystrophic, on soft plinthite; in association with yellow-brown/brown weak blocky coarse loamy sand/sandy loam on saprolite	Av16	Gs15	Av26, Ms11, Wa21	300-600mm
dAv25	0		SOIL SERIES CLASS	Deep (1200+mm), yellow-brown apedal coarse loamy sand/sandy loam, mesotrophic on soft plinthite	Av25		Gc15, Av16, Cv25	1200+mm
dDu10	2	l	SOIL SERIES CLASS	Deep (1200+mm), brown/grey structureless, stratified loamy sand/sand, non-calcareous	Du10		Oa44, Ka20, Rg20	1200+mm
dHu16	1	a	SOIL SERIES CLASS	Deep (1200+mm), red apedal sandy clay loam, dystrophic	Hu16		Gs15, Av25	1200+mm
dHu26	1	a	SOIL SERIES CLASS	Deep (1200+mm), red apedal sandy loam/sandy clay loam, mesotrophic	Hu26		Hu27, Av26	1200+mm
dHu27	2	c	SOIL SERIES CLASS	Deep (1200+mm), red apedal sandy clay/clay loam/clay, mesotrophic	Hu27		Hu26, Sd11	1200+mm
dKa20	5	a	SOIL SERIES CLASS	Deep (1200+mm), grey hydromorphic clay, calcareous	Ka20		Kd14, Rg20, Ka10, Wo20	1200+mm
dKd14	3	lx	SOIL SERIES CLASS	Deep (1200+mm), grey structureless loamy sand/sand on grey moderate blocky clay, non-calcareous	Kd14		Sw41, Fw11, Ka20	1200+mm
Gs1/R	4	rd	SOIL ROCK COMPLEX	Yellow-brown/brown weak blocky coarse loamy sand/sandy loam on saprolite/rock	Gs15			

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Hu1/R	4	r	SOIL ROCK COMPLEX	Red apedal loamy sand/sandy loam, eutrophic with dolomite outcrops	Hu34			
Hu3/R	4	rh	SOIL ROCK COMPLEX	Red apedal sandy loam/sandy clay loam, mesotrophic with rock outcrops	Hu26			
Hu4/R	4	rh	SOIL ROCK COMPLEX	Red apedal sandy loam/sandy clay loam, dystrophic with rock outcrops	Hu16			
KdA	4	xi	SOIL ASSOCIATION	Deep (1200+mm), grey structureless loamy sand/sand on grey moderate blocky clay; in association with grey hydromorphic clay, calcareous	Kd14	Ka20	Av24, Wa21, Av26	1200+mm
LoA	3	i	SOIL ASSOCIATION	Shallow (300-600mm), grey structureless coarse sand/loamy sand on soft plin thite; in association with grey structureless loamy sand/sand	Lo31	Lo21	Wa31, Av26, Wa21	300-600mm
mAv26	2	i	SOIL SERIES CLASS	Moderately deep (600-1200mm), yellow-brown apedal sandy loam/sandy clay loam, mesotrophic on soft plinthite	Av26		Gc26, Gc24, Av24	600-1200mm
mDu10	2	ld	SOIL SERIES CLASS	Moderately deep (600-1200mm), brown/grey structureless, stratified loamy sand/sand, non-calcareous	Du10		Ka20, Rg20	600-1200mm
mHu16	0		SOIL SERIES CLASS	Moderately deep (600-1200mm), red apedal sandy clay loam, dystrophic	Hu16		Cv16, Av25	600-1200mm
mLo21	3	i	SOIL SERIES CLASS	Moderately deep (600-1200mm), grey structureless sand/loamy sand, non-calcareous on soft plinthite	Lo21		Av26, Wa21	600-1200mm
Ms/R	4	rh	SOIL ROCK COMPLEX	Brownish/grey structureless loamy sand on sandstone/quartzite with outcrops	Ms10			

GROUP	CLASS	LIMIT	UNIT_TYPE	DESCR_ENG	DOMINANT1	DOMINANT2	SUBDOMIN	DEPTH
MsA	3	d	SOIL ASSOCIATION	Shallow (300-600mm), brown/greyish structureless loamy sand/sandy loam/sandy clay loam on flaggy shale; in association with brown/grey structureless loamy sand/sandy loam/sandy clay loam on sandstone/quartzite, with rock outcrops	Ms11	Ms10	Av25, Hu16, Hu26	300-600mm
mSd11	2	des	SOIL SERIES CLASS	Moderately deep (600-1200mm), red moderate blocky sandy clay/clay loam/clay, mesotrophic on gravel/saprolite	Sd11		Sw31, Hu26, Hu27, Ms10	600-1200mm
mSd21	0		SOIL SERIES CLASS	Moderately deep (600-1200mm), red moderate blocky sandy clay/clay loam/clay, eutrophic on gravel or saprolitic diabase	Sd21		Hu27, Sw31, Sd22	600-1200mm
My/R	4	rsd	SOIL ROCK COMPLEX	Dark brown/dark reddish brown moderate blocky gravelly sandy loam/sandy clay loam, on saprolite with rock outcrops	My11			
Sd2/R	4	rsh	SOIL ROCK COMPLEX	Red structured sandy loam/sandy clay loam, mesotrophic on rock/saprolite with outcrops	Sd11			
SdA	2	dsc	SOIL ASSOCIATION	Deep (1200+mm), red moderate blocky clay loam/clay, mesotrophic on gravel/saprolite; in association with yellow-brown apedal sandy clay/clay loam/clay with moderate blocky structure on saprolite	Sd11	Sw31	Hu27, Hu26	1200+mm
sGs15	3	d	SOIL SERIES CLASS	Shallow (300-600mm), brown/greyish brown coarse sand/loamy sand with weak blocky structure, non-calcareous	Gs15		Gc15, Hu16, Wa30, rots	300-600mm
sHu16	3	d	SOIL SERIES CLASS	Shallow (300-600mm), red apedal sandy clay loam, dystrophic over chert and quartzite gravel	Hu16		Hu14, Rots	300-600mm
sKd15	0		SOIL SERIES CLASS	Shallow (300-600mm), grey structureless loamy sand/sand on grey moderate blocky clay, non-calcareous	Kd15		Sw41, Ka20, Lo31	300-600mm
sMs10	4	d	SOIL SERIES CLASS	Shallow (300-600mm), brown/grey structureless loamy sand/sandy loam/sandy clay loam, non-calcareous on sandstone/quartzite, with rock outcrops	Ms10		Ms11, Cv16, Wa21, rots	300-600mm
U	8	a	OTHER	Urban areas				

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GROUP	CLASS	LIMIT	UNIT_TYPE	DESCR_ENG	DOMINANT1	DOMINANT2	SUBDOMIN	DEPTH
W	6	a	OTHER	Mine dumps and excavations				
WA	7	a	OTHER	Slime dams				
xHu16	2	d	SOIL SERIES CLASS	Red apedal sandy clay loam of variable depth (300-1200mm) dystrophic on saprolite	Hu16		Hu15, Av16, Rots	300-1200mm
xHu26	2	d	SOIL SERIES CLASS	Red apedal sandy loam/sandy clay loam of variable depth (300-1200mm), mesotrophic	Hu26		Av26, Gc26, Hu27	300-1200mm

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BRDSOIL	ENGDESCR	ENGCLASS
Ba	Dystrophic and/or mesotrophic; red soils widespread	PLINTHIC CATENA: UPLAND DUPLEX AND MARGALITIC SOILS RARE
Ea	Undifferentiated	ONE OR MORE OF: VERTIC, MELANIC, RED STRUCTURED DIAGNOSTIC HORIZONS
Fa	Lime rare or absent in the entire landscape	GLENROSA AND/OR MISPAH FORMS (other soils may occur)
Fb	Lime rare or absent in upland soils but generally present in low-lying soils	GLENROSA AND/OR MISPAH FORMS (other soils may occur)
Ib	Rock areas with miscellaneous soils	MISCELLANEOUS LAND CLASSES