TABLE DR1. THIN-SECTION PETROGRAPHY OF CENOZOIC SANDSTONES FROM THE NORTHERN MMVB *

Thin section number	RS-SS1	RS-SS2	RS-SS5	RS-SS8	RS-SS10	RS-SS14	RS-SS17	RS-SS21	RS-SS26	PA-SS15	PA-SS17
Monocrystalline quartz	25.6	26.6	27.7	31.5	45.4	54.3	67.0	68.3	78.0	52.5	65.3
Polycrystalline quartz	45.5	33.7	35.1	32.6	24.7	27.2	15.4	18.3	8.0	1.0	2.0
Total quartz	*71.1*	*60.3*	*62.8*	*64.0*	*70.1*	*81.5*	*82.4*	*86.6*	*86.0*	*53.5*	*67.3*
Potassium feldspar	2.4	6.5	0.0	0.0	6.0	7.6	0.0	0.0	7.0	5.0	7.0
Plagioclase	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	2.0	2.2
Total feldspar	*2.4*	*6.5*	*0.0*	*0.0*	*7.2*	*7.6*	*0.0*	*0.0*	*7.0*	*7.0*	*9.2*
Metamorfic grains †	15.4	20.4	5.3	4.5	8.2	4.3	2.2	2.4	3.0	2.0	2.0
Sedimentary grains §	11.1	12.8	31.9	31.5	14.4	6.5	15.4	11.0	4.0	37.5	21.4
Total lithic grains	*26.5*	*33.2*	*37.2*	*36.0*	*22.7*	*10.9*	*17.6*	*13.4*	*7.0*	*39.5*	*23.5*
Accessory components #	ap, cl, gt	ap, zr	ap, cl	ap, zr, cl	ap, zr, tm	ap, zr	ap, zr, cl	ap, zr	ap, zr	hn, bt, cl, ap, zr	hn, bt, cl, ap, zr, ep
Comments**			msom	msfm		msom, msfm	msom		msom	msom	

* *Note* : Total percentage of each composition reported

† Low grade metamorphic rock fragments (schists, phyllites, micaceous gneiss)

§ Chert and mudstone fragments

ap (apatite), bt (biotite), clorite (cl), epidote (ep), garnet (gt), hn (hornblende), tourmaline (tm), zr (zircon)

** msog (mudstone with organic matter), msfm (mudstone with foraminifera casts)