

Table 1: Classification and general characteristics of Beni Bousera pyroxenites

Classification	Rock types	Mineralogical compositions	Microstructures	Distribution	
Group I	Ia	Corundum-garnet clinopyroxenites	35-45% Cpx, 20-30% Grt, 15-20% Co, < 5% Plg, < 5% Sp, ≤ 1% Saph	Dominantly granuloblastic	Grt-Sp mylonite domain
	Ib, Ic	Garnet-spinel & garnet-plagioclase clinopyroxenites	20-65% Grt, 20-40% Cpx, 10-15% Opx, 5-10% Sp and/or Plg, 0-3% Ol	Porphyroclastic, variably recrystallized	Grt-Sp mylonite domain
Group II	IIa	Graphite-garnet websterites	40-45% Opx, 35-40% Cpx, 10-15% Gph, 5-10% Grt		Transition between Grt-Sp mylonite and Ariegite domains
	IIb	Garnet clinopyroxenites	40-55% Cpx, 15-25% Grt, 5-20% Opx, 1-5% Phl		Grt-Sp mylonite & Ariegite domains
	IIc	Garnet-spinel websterites	40-50% Opx, 35-40% Cpx, 5-15% Grt, 5-10% Ol, 2-5% Sp, 1-3% Am, 3-5% Ke	Coarse porphyroclastic	Ariegite-Seiland domain
Group III	Olivine-spinel websterites	40-50% Opx, 5-40% Ol, 5-20% Cpx, 5-15% Sp		Seiland domain	
Group IV	Cr-diopside spinel websterites	55-75% Opx, 15-35% Cpx, 5-10% Sp, <3% Ol, <3% Phl	Coarse granular to porphyroclastic	Seiland domain	