

TABLE DRI. POROSITY AND MINERAL CONTENTS FOR SELECTED DEFORMATION BAND-PROTOLITH PAIRS

Deformation-band (DB) and protolith* type	Porosity (%)	Glass (wt%)	Quartz (wt%)	Feldspar (wt%)	Cristobalite (wt%)	Tridymite (wt%)	Smectite (wt%)	Calcite (wt%)	Other [†] (wt%)	Total [§] (wt%)
Unaltered DB	10.7	73.1	2.3	8.7	0.0	0.0	14.4	0.0	1.5	100.0
Glassy protolith	41.0	76.0	3.0	8.0	1.0	0.0	11.0	0.0	1.0	100.0
Unaltered DB	25.9	9.6	2.3	55.6	12.2	13.4	0.0	0.0	5.6	98.7
Crystallized protolith	46.9	5.8	16.8	52.4	4.5	17.2	0.0	0.0	2.9	99.6
Smectite-rich DB	2.0 [#]	21.2	2.0	6.6	0.0	0.0	70.2	0.0	0.0	100.0
Glassy protolith	54.0	71.9	10.7	13.0	0.0	0.0	1.5	0.0	2.5	99.6
Smectite-rich DB	14.4	0.0	1.4	4.9	0.2	0.0	93.5	0.0	0.0	100.0
Crystallized protolith	42.4	4.2	6.3	65.9	5.2	11.2	0.0	0.0	6.1	98.9
Smectite- and carbonate-rich DB	21.7	13.7	6.1	18.5	0.9	5.4	30.6	22.7	2.0	99.9
Crystallized protolith	40.6	4.0	17.6	55.1	4.8	14.9	0.0	0.0	3.5	99.9

*All protoliths are nonwelded tuffs.

[†]Other minerals include magnetite, augite, and mica.

[§]Total weight percentages exclude trace amounts of dolomite, halite, and fluorite found in some samples.

[#]Porosity determined from nearby fault-zone sample (different from the sample analyzed for bulk mineral contents).