SUPPLEMENTARY TABLE 4. MINERALS ENCOUNTERED IN AND NEAR THE PERTHITE-RICH XENOLITH TRANSPORTED IN THE CALCITE-FLUORITE DIKE

	Early minerals	Late minerals
Dwyer mine 2B		
#1 #2 #3 #4 #5 #6 #7 #8	[Kfs, Ab, Cal], Cal, Fl [Kfs, Ab, Cal], Cal, Fl [Kfs, Ab, Cal], Cal, Fl [Kfs, Ab, Pl, Fl] [Kfs, Ab], Fl, Hem, Ttn [Kfs, Ab, Cal] [Kfs, Ab, Cal, Fl, Anh?, AeAu] [Kfs, Ab, Pl], Cal, Fl, Ttn, AeAu, Phl	Aln-(Ce) Aln-(Ce), Hem Aln-(Ce), Hem, Cch, Chm Hem, Cch Cch Cch, Hem Cch Cch, Chm
#9 #10 #11 #12 #13 #14 #15	[Kfs, Ab, Fl] [Kfs, Ab, Cal, AeAu], Cal, Fl [Kfs, Ab, Cal, AeAu] [Kfs, Ab, Fl, Ilm, Hem] [Kfs, Ab, Cal, Hem] [Kfs, Ab, Cal, Hem] [Kfs, Ab, Hem, Gn]	Aln-(Ce) Cch Chm Cch Cch
#16 #17 #18 #19	[Kfs, Ab, Cal], Cal, Fl [Kfs, Ab, Cal]	Aln-(Ce), Hem Aln-(Ce), Urn, Cch, Hem Urn, Cch, Syn-(Ce) (blowup of #17) Urn, Cch, Chm, Thr
#20 #21 #22 #23 #24 #25 #26	[Kfs, Ab, Qtz], Cal, Fl [Kfs, Ab, Qtz], Cal, Fl Cal, Fl (zone of deformation) Cal, Fl (zone of deformation) Cal, Fl (zone of deformation) Cal, Fl (zone of deformation) [Kfs, Ab, Qtz], Cal	Aln-(Ce), Cch Aln-(Ce), Bri-(Y), Hem Aln-(Ce), Bri-(Y), Cch, Hem Cch, Hem Aln-(Ce), Bri-(Y), Cch, Hem Aln-(Ce), Hem
Dwyer mine 2C		
#1 #2 #3 #4 #5 #6 #7 #8 #9 #10	[Kfs, Ab, Qtz] [Kfs, Ab], Cal, Fl [Kfs, Ab, Cal, Fl], Cal, Fl [Kfs, Ab, Cal, Fl], Cal, Fl, AeAu [Kfs, Ab, Cal, Fl], Cal, Fl, AeAu [Kfs, Ab, Cal, Fl], Cal, Fl [Kfs, Ab, Cal, Ap] [Kfs, Ab, Cal, Hem] [Kfs, Ab, Cal, Fl, AeAu] [Ab], Cal, Fl	Aln-(Ce), Hem Aln-(Ce), Hem, Cch Aln-(Ce) Aln-(Ce), Cch Aln-(Ce), Cch (blowup of #4) Aln-(Ce) Hem, Cch Cch Aln-(Ce), Hem Aln-(Ce), Bri-(Y), Hem, Cch

#11	[Kfs, Ab, Cal, Fl], Cal	Aln-(Ce), Bri-(Y), Hem, Cch
#12	[Kfs, Ab, Cal, Fl, AeAu]	Hem, Cch
#13	Cal, Fl	Syn-(Ce), Cch
#14	Cal	Aln-(Ce), Bri-(Y), Hem, Cch
#15	[Kfs, Ab, Cal, Fl]	Aln-(Ce), Bri-(Y), Hem
#16	[Kfs, Ab, FI], Cal, FI	Aln-(Ce), Bri-(Y), Cch
#17	Cal, Fl	Bri-Y), Cch
#18	Cal	Ap, Hem, Cch
#19	Cal, Fl	Syn-(Ce), Cch
#20	[Kfs, Ab], Cal, Fl	Ap, Cch
#21	[Kfs, Ab], Cal	Ap, Bri-(Y), Hem, Cch

The perthite grains consist of three feldspars: orthoclase, believed to now be dominant over microcline (thus the generalized symbol Kfs) and albite. Also present as an accessory is albitized plagioclase, recognized by a rectangular tablet shape and the presence of a small EDS peak for Ca. What is in the domain of perthite is enclosed in square brackets. The late minerals are considered to be secondary, *i.e.*, crystallized from an aqueous fluid phase. Symbols: Ab: albite, AeAu: aegirine-augite, Aln-(Ce): allanite-(Ce), Anh: anhydrite (?), Ap: fluorapatite, Bri-(Y): britholite-(Y), Cal: calcite, Cch: clinochlore, Chm: chamosite, Fl: fluorite, Gn: galena, Hem: hematite, Ilm: ilmenite, Kfs: K-feldspar, Phl: phlogopite, Qtz: quartz, Syn-(Ce): synchysite-(Ce), Ttn: titanite.