

TABLE 22.—REPRESENTATIVE PYROXENE COMPOSITIONS FROM
GABBROIC AND ULTRAMAFIC LITHOLOGIES ASSOCIATED
IN GLEN CREEK GABBRO
(Microprobe analyses in weight %)

	1	2	3	4	5
SiO ₂	52.5	52.6	52.4	52.1	51.3
TiO ₂	0.45	0.39	1.11	1.23	1.19
Al ₂ O ₃	1.60	0.97	3.01	3.26	3.14
FeO*	10.5	21.8	8.53	7.51	7.14
NiO	0.00	0.04	N.D.	N.D.	0.00
MgO	14.3	22.3	14.3	13.8	14.7
CaO	20.3	1.44	20.6	21.5	21.3
Na ₂ O	N.D.	N.D.	N.D.	N.D.	0.48
Total	99.65	99.54	99.95	99.40	99.25
Wo (mol %)	41.9	2.9	43.8	46.1	45.0
En (mol %)	41.1	62.7	42.1	41.3	43.2
Fs (mol %)	17.0	34.4	14.1	12.6	11.8
Atomic Mg/(Mg+Fe)	0.708	0.645	0.749	0.767	0.786
*Average Mg/(Mg+Fe)	0.712	0.646	0.754	0.756	0.786

Note: Averages are for several grains in the indicated sample. Total Fe is expressed as FeO.

Samples (all from Reid's magnetite pit, NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 14, T. 4 N., R. 17 W., Kiowa County):

1. Augite in gabbroic lithology (MP-2).
2. Hypersthene coexisting with augite no. 1, this table (MP-2).
3. Augite in gabbroic lithology close to ultramafic lithology (MP-22).
4. Salite in ultramafic lithology adjacent to gabbroic lens (MP-29).
5. Salite in ultramafic lithology (MP-24).