

	8	9	10	11	12	13	14
SiO ₂	59.7	61.01	60.47	63.45	65.65	66.72	68.5
Al ₂ O ₃	19.52	15.36	16.36	18.38	16.84	16.15	14.69
Fe ₂ O ₃	1.16	10.75	.8	.42	4.01	3.42	1.34
FeO	5.65		8.76	3.56			3.25
MgO	.78	.78	1.31	.35	.13	.73	.26
CaO	3.36	4.05	2.94	3.06	2.47	2.3	2.2
Na ₂ O	5.31	3.68	4.65	5.06	5.27	4.36	3.5
K ₂ O	4.14	3.9	4.71	5.15	5.04	5.66	5.9
H ₂ O	.52	.49	.09	.3	.3	.77	.4
TiO ₂ .....	.....	.....	.....	.07	.....	.....	.....
P ₂ O ₅ .....	.....	.....	.....	.....	.....	.....	.03
MnO	.09	.08	.12	trace	.....	.07	.1
BaO .....	.....	.....	.....	.13	.....	.....	.05
Total	100.23	100.1	100.21	99.73	99.71	100.18	100.22
Sp. gr.	2.674		2.82	2.72			

Molecular ratios

	3	4	6	8	9	11	13	14
SiO ₂ ...	.8603	.9078	.9063	.995	1.0168	1.0575	1.112	1.1417
Al ₂ O ₃ ..	.2397	.2593	.2004	.1912	.1506	.1795	.1584	.144
Fe ₂ O ₃ ..	.0103	.0081	.0174	.0072	.0216	.0026	.....	.008
FeO ...	.0736	.0092	.0764	.0785	.1014	.0494	.0475	.0451
MgO ..	.0302	.0172	.0497	.0195	.0195	.0087	.0182	.0065
CaO ...	.178	.1929	.0963	.06	.0723	.0523	.0411	.0393
Na ₂ O ..	.0563	.0705	.0839	.0856	.0594	.0816	.0703	.0565
K ₂ O ...	.0135	.0097	.0357	.0439	.0414	.0547	.0601	.0626

- 1 Norite, wall rock of titaniferous magnetite deposit, Lincoln pond, Elizabethtown, Essex co. Description by J. F. Kemp, analysis by W. F. Hillebrand, U. S. Geol. Sur. 1899. 19th An. Rep't, pt 3, p.407.
- 2 Gabbro (hyperite), dike near Nicholville, Hopkinton, St Lawrence co. Brief mention by H. P. Cushing. 16th An. Rep't N. Y. State Geol. 1899. p.22. E. W. Morley analyst.
- 3 Anorthosite gabbro, Carnes's quarry, Altona, Clinton co. Description by H. P. Cushing, analysis by E. W. Morley. 19th An. Rep't N. Y. State Geol. 1901. p.38.
- 4 Anorthosite, summit of Mt Marcy, Keene, Essex co. A. R. Leeds analyst. N. Y. State Mus. 30th An. Rep't. 1878. p.92.
- 5 Anorthosite, Keene township, Essex co. (precise locality not given). A. R. Leeds analyst. N. Y. State Mus. 30th An. Rep't. 1878.
- 6 Anorthosite showing transition to augite syenite, cut by N. Y. C. & H. R. R. R. nearly 5 miles north of Tupper Lake Junction, Altamont, Franklin co. Description by H. P. Cushing, analysis by E. W. Morley. 20th An. Rep't N. Y. State Geol. 1902. p.68.
- 7 Gabbro, intermediate between gabbro and augite syenite and occurring as a basic phase of the latter; from Natural Bridge, Diana, Lewis co. Description and analysis by C. H. Smyth jr. Geol. Soc. Am. Bul. 6:274.