DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

OPEN-FILE REPORT
75-59

(200)
R290
no. 75-59

Table 4. — Semiquantitative spectrographic analyses of samples of White Mountain Plutonic Series, New Hampshire
[Analysts: Charles S. Annell, Mona Frank, and Katherine E. Valentine, U.S. Geological Survey]

Percent	3[1]	10	15	20	22	26	39	40	42	43	45	47	48	49	52	56	57	59	60	64	66	67	69	75
Over 10	Al Si	Si	Si	Si	Al Si	Si	Si	Si	Al Si	Al Si	Al Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Al Si
5-10	—	Al	Al	Al	Fe	Al	Al	Al	—	—	Fe Ca	Al	Al	Al	Al	Al	Al	Al	Al	Al	Al	Al	Al	—
1-5	K Na Fe	Na Fe K	K Fe Na Ca	K Fe Na	Ca Na Mg K	K Na Fe	K Fe Na	K Fe Na	Fe K Na	Fe K Na Ca Mg	Ti Mg	K Na Fe Ca	K Na Fe Ca	K Na Fe	K Na Fe	K Na Fe Ca	K Na Ca Fe	Na K	K Na Fe Ca	K Na Fe	K Na Fe	K Na Fe Ca	Na Ca Fe	Fe K Na
.5-1	Ca	Ca	—	Ca	Ti	Ca	Ca	Ca	Ca		K Na	—	—	Ca	—	—	—	Ca Fe	—	Ca	Ca	—	K	Ca
.1-.5	—	—	Mg Ti	—	Ba	Ba Ti	Mg Ti	—	Mg Ti Ba	Ti Ba	—	Ba Ti	Ti Ba	Mg Ti	Ca	—	—	—	Ti	Ti	—	Ti	Ti	Ti Mg
.05-.1	Ti Zr	—	Ba	Ti Ba Mn	Sr	Mg	Ba	Ti Ba	—	Sr	Mn Sr	Ce	Mg Ce	Ce	Ce	Mg Ce Ti	Ce	—	Ce Ba	Ce	Ce Ti	Ce	Ce	Zr Ce Mn
.01-.05	Ce Nd La Nb Y	Ti Zr Mn	Ce Sr Zr Nd La Mn Y	Ce Mg	Mn V Zr	Zr Ce Mn	Cu Ce Sr	Mg Ce Zr Mn	Mn Zr Sr	Zr Ce Mn	Ba V	Mg Mn Sr Nd La Zr	Mn Zr Sr Nd La	Mn Ba Nd La Zr Sr	Ti Mn Nd Y La Zr Mg Pb Ba Nb Sr	Mn Nd Zr Ba La Sr	Ti Ba Mn Nd La Zr Mg Y Sr Cu Nb	—	Mn Mg Zr Nd La Sr	Mn Mg Zr La	Mg Mn Zr Nd La Y	Zr Ba Mn Mg Sr Nd Y La	Mg Mn Zr Nd La	Ba La
.005-.01	Mg Ga Pb B Mn Ni	B Ga	Ga B Ni Nb	Ga Ni Y B La Nb	Nb Ni B Ga	Sr B Ga Ni Nb	Mn Y Zr Ni Nb Pb La B Ga	Y Nb Ni B Ga La	Nb La Y B Ga Ni	B Y Nb Ni Ga La	Co Cu Ga B Ni	Y	Y	—		Y	Zr Ti B Ga	Y	Nb Y Sr	Nb Sr	Nb	Sr Y Nb	Nd Y B Ga Ni
.001-.005	Yb Sn Sr V Ba Cr Sc	Ba Nb V Y Sr La Mg Pb	V Cr Pb Sc	Nd Zr Cr Sr V	Y Co Cr Pb Sc	La V Pb Y	Nd Sn Cr Sc V	Nb Pb Sn Sr Cr Sc V	Co V Cr	Nb V Co Sc Cr Pb	Nb Sc Cr Zr	Cr Nb V Pb Ga	Pb Ga Nb V Mo Cr	Y Nb V Cr Ga Pb	Ga Cu Sn V Yb Cr	Pb V Ga Cr Nb Cu	V Pb Ga Cr Sn	Ba Y Sr V Mg Mn Pb Nb	Pb Nb Sn V Ga Cr	Ga Ba V Cr Pb	Pb Ba V Ga Cr Sn	Pb Ga V Cr Yb	Pb V Ga Ba Cr	Nb Sr Sc V Cr
.0005-.001	Cu	Cu Cr	Mo Yb Cu	Yb Cu Mo	Cu Mo Yb	Cr Sc Yb	Mo Yb	Yb	Sc Mo Cu Yb	Cu Mo Yb	—	Sc	Sc	Sc	—	—	Yb	Cu Cr	Sc	—	Yb	—	Yb Be	Mo Cu Yb
.0001-.0005	Be	Be Yb	Be	Be	Be	Cu Be	Be Ag	Cu Be	Ag Be	Be	—	Yb Be	Yb Be	Be Yb	Be	Yb Be	Be	Be Yb	Yb Cu Be	Be Cu Yb	Be	Be Cu	—	—
.0005-.0001	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Be

[1] Sample numbers 3-75 have prefix BNH; locations are listed on table 1, and shown on figure 1.

U.S. Geological Survey
OPEN FILE REPORT
This illustration is preliminary and has not been edited or reviewed for conformity with Geological Survey standards or nomenclature.

U.S. GEOLOGICAL SURVEY
RESTON, VA.
MAR 6 1975
LIBRARY