

Table 3.1 Chemical analyses of rocks from Luhr Hill, Yerington district, NV

Collected by John M. Proffett, January ,2000		Analyzed by Chemex, January, 2000					
Location	SE Luhr H	SE Luhr H	SE Luhr H	SE Luhr H	E Luhr H	N Luhr H	
Age	TR?	TR	TR	TR?	TR or Jur?	TR?	
Rock Unit	bi gran	meta-andes	meta-rhy	bi gran	hb gabbro	Fol'd rock	
Sample #	Y 00-1	Y 0 -5	Y 00-6	Y 00-7	Y 00-8	Y 00-11	
SiO2	% XRF	65.34	56.69	76.13	73.00	49.40	66.92
Al2O3	% XRF	17.94	17.60	12.58	13.58	16.86	15.23
TiO2	% XRF	0.14	0.71	0.13	0.13	0.88	0.37
Fe2O3 T	% XRF	2.11	5.58	0.76	1.58	10.68	3.67
MnO	% XRF	0.06	0.23	0.05	0.04	0.30	0.11
MgO	% XRF	0.53	2.53	0.05	0.15	4.97	1.25
CaO	% XRF	2.09	9.03	0.86	0.80	10.49	2.50
Na2O	% XRF	6.24	1.25	3.56	4.14	2.48	4.08
K2O	% XRF	3.50	4.78	4.34	4.72	1.47	3.75
P2O5	% XRF	0.06	0.21	0.03	0.06	0.15	0.13
Cr2O3	% XRF	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
LOI	%	0.57	0.66	0.38	0.34	1.13	0.70
TOTAL	%	98.58	99.27	98.87	98.54	98.81	98.71
Ba	ppm	1365	1575	1465	1540	830	1165
Rb	ppm	100	88	140	90	32	114
Sr	ppm	228	246	150	130	470	232
Nb	ppm	14	4	12	10	6	8
Y	ppm	30	18	18	26	16	24
Zr	ppm	141	69	87	126	57	132
Sr/Y		7.60	13.67	8.33	5.00	29.38	9.67