	Table 3.2		Chemical analyses of rocks from Luhr Hill, Yerington district, NV					
Collected	by John M. Proffett, March ,2007				Analyzed by ALS Chemex, 2007			
		Location	E of YerMine	No Wassuk	SE Luhr H	SE Luhr H	Buckskin R	Ludwig
		Age	Jur	Jur or TR?	Jur	Jur	Jur	Jur
		Rock Unit	por gran	fine plag por	por gran	qmd por	Fulstone volc	Artesia (sill?)
Method:		Sample #	Y00-17A	Y07-8	Y07-38	Y07-39	Y07-60	Y07-64
XRF	SiO2	%	66.69	56.75	68.02	64.85	64.04	50.77
XRF	Al2O3	%	16.02	17.75	16.02	16.32	16.25	17.42
XRF	TiO2	%	0.48	0.87	0.39	0.48	0.64	0.74
XRF	Fe2O3 T	%	3.05	8.73	2.69	4.45	4.54	9.23
XRF	MnO	%	0.02	0.13	0.03	0.08	0.03	0.09
XRF	MgO	%	1.27	2.80	0.95	1.88	1.94	4.16
XRF	CaO	%	3.18	6.01	2.63	3.95	0.97	8.17
XRF	Na2O	%	4.29	3.22	4.30	3.70	4.58	2.71
XRF	K2O	%	3.52	1.55	3.54	2.98	3.42	3.43
XRF	P2O5	%	0.19	0.21	0.15	0.16	0.34	0.40
XRF	Cr2O3	%	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
XRF	SrO	%	0.13	0.03	0.13	0.07	0.07	0.08
XRF	BaO	%	0.19	0.07	0.22	0.14	0.30	0.13
XRF	LOI	%	0.64	1.40	0.46	0.61	2.34	1.70
Leco	H2O+	%	0.46	1.72	0.35	0.64	1.57	1.40
XRF	Total	%	99.67	99.51	99.53	99.67	99.46	99.02
WD-XRF	As	ppm	<5	9	<5	<5	<5	<5
WD-XRF	Rb	ppm	86	78	99	90	65	76
WD-XRF	Sr	ppm	1175	255	1190	621	621	823
WD-XRF	Nb	ppm	3	4	3	3	3	4
WD-XRF	Th	ppm	10	4	11	10	9	6
WD-XRF	U	ppm	4	<4	4	4	<4	<4
WD-XRF	Y	ppm	10	24	8	12	9	23
WD-XRF	Zr	ppm	124	95	132	96	134	86
ICP-MS	Ag	ppm	<1	<1	<1	<1	<1	<1
ICP-MS	Ba	ppm	1510	526	1715	1195	2450	1045
ICP-MS	Ce	ppm	47.1	28.3	45.1	29.1	80.1	38.1
ICP-MS	Co*	ppm	8.2	16.6	8.6	15.0	15.3	29.5
ICP-MS	Cr	ppm	30	20	20	20	40	10
ICP-MS	Cs	ppm	0.97	4.31	1.41	2.11	1.40	1.07
ICP-MS	Cu	ppm	113	10	5	69	8	5
ICP-MS	Dy	ppm	1.50	3.82	1.15	1.92	1.69	3.73
ICP-MS	Er	ppm	0.81	2.44	0.60	1.12	0.84	2.09
ICP-MS	Eu	ppm	0.93	0.91	0.80	0.75	1.38	1.57
ICP-MS	Ga	ppm	25.0	22.9	24.8	21.8	23.6	22.8
ICP-MS	Gd	ppm	2.78	3.62	2.34	2.32	4.12	4.70
ICP-MS	Hf	ppm	4.4	2.7	4.1	3.2	4.0	2.3
ICP-MS	Ho	ppm	0.26	0.79	0.19	0.38	0.27	0.73
ICP-MS	La	ppm	22.6	12.2	21.9	14.0	38.1	18.0
ICP-MS	Lu	ppm	0.12	0.36	0.07	0.18	0.09	0.29
ICP-MS	Mo	ppm	<2	<2	<2	<2	<2	2
ICP-MS	Nb	ppm	3.8	4.4	3.3	3.8	3.8	4.0
ICP-MS	Nd	ppm	23.1	16.1	21.6	14.1	40.0	23.3
ICP-MS	Ni	ppm	20	11	16	16	24	14
ICP-MS	Pb	ppm	8	10	12	14	8	5
ICP-MS	Pr	ppm	5.81	3.73	5.58	3.55	10.10	5.25
ICP-MS	Rb	ppm	78.7	76.5	89.6	89.4	64.4	70.5
ICP-MS	Sm	ppm	3.91	3.80	3.45	2.72	6.09	5.35
ICP-MS	Sn	ppm	1	1	1	1	1	1
ICP-MS	Sr	ppm	1105	254	1140	623	606	800
ICP-MS	Ta	ppm	0.5	0.4	0.5	0.5	0.3	0.3
ICP-MS	Tb	ppm	0.32	0.62	0.25	0.34	0.43	0.68
ICP-MS	Th	ppm	8.83	4.82	6.32	7.42	5.91	4.39
ICP-MS	Tl	ppm	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
ICP-MS	Tm	ppm	0.10	0.36	0.08	0.17	0.09	0.30
ICP-MS	U	ppm	2.86	1.61	2.53	3.43	1.53	2.22
ICP-MS	V	ppm	85	310	67	118	84	350
ICP-MS	W*	ppm	1	2	2	<1	2	<1
ICP-MS	Y	ppm	7.6	20.9	5.7	10.4	7.6	19.3
ICP-MS	Yb	ppm	0.77	2.45	0.55	1.18	0.64	1.95
ICP-MS	Zn	ppm	35	91	43	60	62	42
ICP-MS	Zr	ppm	150	90	135	102	137	80
WD-XRF	Sr/Y		118	11	149	52	69	36
ICP-MS	Sr/Y		145.4	12.2	200.0	59.9	79.7	41.5
*Note: W & Co with standard steel pulverizing; all others with tungsten carbide purverizing								