

TABLE 1.1. ANALYSIS OF MAJOR OXIDE AND TRACE ELEMENTS

NUMBER	YEAR	FIELD ID	UTM E	UTM N	ELEV	UNIT	LITHOLOGY	SOURCE	LAB	SiO2	Al2O3	TiO2	FeO	MnO	CaO	MgO	K2O	Na2O	P2O5	TOTAL	Ni	Cr	Sc	V	Ba	Rb	Sr	Zr	Y
1	1996	TF15	411321	4992304	4220	Tgr1	basaltic andesite	Madin	WSU	52.80	15.17	1.83	10.46	0.180	9.31	5.59	1.10	3.28	0.28	0.00	45	98	26	327	451	21	383	134	30
2	1997	Ar133	406560	4994520	5600	Tgr1	basaltic andesite	Madin	WSU	56.53	13.85	1.97	11.41	0.190	7.23	3.55	1.75	3.20	0.33	99.21	0	21	30	338	712	47	313	166	33
3	1997	Ar135	407200	4994625	5590	Tgr1	basaltic andesite	Madin	WSU	56.91	15.03	2.46	8.57	0.180	7.50	3.86	1.59	3.51	0.39	99.64	6	17	31	398	1169	35	376	205	46
4	1997	Ar33	405870	4994330	5960	Tgr1	basaltic andesite	Madin	WSU	54.93	14.06	2.05	11.54	0.190	8.15	4.03	1.56	3.13	0.35	99.61	10	47	30	368	610	37	318	163	36
5	1997	Ar55	407490	4994790	5970	Tgr1	basaltic andesite	Madin	WSU	57.94	14.19	2.02	9.54	0.170	7.28	3.31	2.05	3.16	0.34	99.03	5	23	31	350	913	53	339	171	36
6	1996	TF183	411362	4996599	5410	Tgr1	basaltic andesite	Madin	XRAL	54.79	13.44	2.22	13.95	0.170	6.74	3.40	1.65	3.24	0.39	98.93	nr	nr	nr	nr	678	57	336	189	40
7	1996	TF184	411066	4997035	5540	Tgr1	basaltic andesite	Madin	XRAL	55.03	13.94	2.32	12.61	0.180	7.05	3.65	1.44	3.41	0.37	98.31	nr	nr	nr	nr	619	25	348	204	39
8	1997	Ar125	406845	4991220	6420	Tgr1	basaltic andesite	Madin	WSU	57.48	14.44	2.37	9.15	0.180	7.46	3.32	1.93	3.29	0.39	98.59	0	11	32	369	965	42	362	199	43
9	1998	Ar130	405080	4994260	6210	Tap	andesite porphyry	Madin	WSU	62.51	16.84	1.164	5.98	0.073	5.05	1.74	1.95	4.38	0.310	98.56	12	12	14	110	766	47	519	185	22
10	1997	AR156	403040	4995365	6120	Tap2	andesite porphyry	Madin	XRAL	53.69	16.88	1.50	9.13	0.120	8.37	5.38	1.42	3.47	0.33	98.90	nr	nr	nr	nr	404	28	423	179	21
11	1997	Ar107	404785	4992990	6420	Ta	andesite	Madin	WSU	57.88	16.42	1.34	6.95	0.120	7.27	4.64	1.89	3.21	0.28	99.29	63	124	20	152	560	37	387	162	24
12	1997	AR155	403685	4994275	6130	Tb	olivine basalt	Madin	XRAL	47.00	16.52	2.28	12.21	0.170	10.36	7.28	1.21	2.40	0.29	97.45	nr	nr	nr	nr	205	21	940	172	16
13	1997	Ar27	404770	4991045	6400	Tb	olivine basalt	Madin	WSU	49.19	15.59	3.67	12.56	0.180	8.50	5.07	1.46	3.32	0.47	98.23	14	46	25	388	704	45	430	181	27
14	1998	Ar29	402830	4991680	6220	Tb	olivine basalt	Madin	WSU	50.78	16.07	1.475	8.78	0.151	10.98	8.40	0.42	2.68	0.254	98.92	120	298	30	229	240	6	436	108	20
15	1997	Ar32	405980	4993290	5990	Tb	olivine basalt	Madin	WSU	49.53	17.06	1.68	9.50	0.170	10.50	7.60	0.75	2.92	0.29	98.98	84	164	31	234	260	10	433	119	22
16	1998	Ar106	405105	4993455	6460	Tb	olivine basalt	Madin	WSU	49.82	17.18	1.669	9.09	0.169	10.55	7.63	0.84	2.76	0.288	98.43	85	171	37	232	317	11	613	117	21
17		R118				Jbv	granodiorite	Taubeneck (1995)	TU	74.51	12.71	0.24	2.39	0.07	1.84	0.49	3.77	3.01	0.06	99.76	nr	nr	nr	nr	nr	nr	nr	nr	nr
18		R121				Jab	granite	Taubeneck (1995)	TU	73.06	13.44	0.27	2.54	0.06	2.04	0.67	3.76	3.22	0.07	99.86	nr	nr	nr	nr	nr	nr	nr	nr	nr
19		R123				Jab	granite	Taubeneck (1995)	TU	72.95	13.76	0.27	2.45	0.06	1.62	0.43	3.69	3.74	0.04	99.60	nr	nr	nr	nr	nr	nr	nr	nr	nr
20		R128				Jab	granite	Taubeneck (1995)	TU	74.39	12.81	0.23	2.08	0.09	1.14	0.39	4.12	3.67	0.05	99.64	nr	nr	nr	nr	nr	nr	nr	nr	nr
21		R125				Jwc	quartz diorite	Taubeneck (1995)	USGS	62.00	16.30	0.63	5.07	0.09	6.53	3.10	1.72	3.34	0.20	99.49	nr	nr	nr	nr	nr	nr	nr	nr	nr
22		B6				Jbm	tonalite	Taubeneck (1995)	Penn	60.70	17.83	0.75	5.42	0.09	6.58	2.98	0.53	4.01	0.15	99.71	nr	nr	nr	nr	nr	nr	nr	nr	nr
23		R22				Jdc	leucogranite	Taubeneck (1995)	USGS	77.00	12.40	0.07	0.57	<.02	0.78	0.15	4.95	2.90	<.05	99.33	nr	nr	nr	nr	nr	nr	nr	nr	nr

*Note: Labels on chemistry data points on map correspond to entries in the NUMBER column of this table. Samples 17-23 not shown on map.*  
*All major oxides reported as normalized values, trace elements in PPM, nr=not reported. All analyses by XRF except Penn and TU, which are wet chemistry.*  
*Analytical methods for WSU analyses described in Hooper and others, 1993. Methods for XRAL analyses described in Miller, 1997.*