

Brendan McGee(Hons)	XRF ANALYSES (CODES-SES), University of Tasman												27/09/2001					
Analyst: Phil Robinson																		
XRF Sample Preparation: Katie McGoldrick																		
Rock Crushing: Brendan (WC mill)																		
Method (M AJORS) using fusion discs and ScMo X-ray tube																		
	SiO2	TiO2	Al2O3	Fe2O3	MnO	MgO	CaO	Na2O	K2O	P2O5	Loss inc	Total	S					
MLC 1	44.97	2.26	15.48	12.84	0.19	8.21	9.91	2.79	0.97	0.56	1.73	99.91	0.01					
MLC 2	43.51	2.63	14.53	12.45	0.21	8.37	8.84	4.98	1.94	0.88	1.57	99.91	0.05					
MLC 3	44.53	1.96	13.55	11.11	0.18	11.07	9.99	3.14	0.95	0.64	2.59	99.72	0.01					
MLC 4	43.69	2.70	14.77	12.68	0.19	7.60	8.65	4.11	0.89	1.01	3.28	99.55	0.01					
MLC 5	45.35	2.02	15.2	11.13	0.18	8.58	10.14	3.63	0.76	0.68	2.2	99.86	0.01					
MH 1	43.11	2.5	11.35	13.47	0.18	12.37	9.85	4.04	1.53	0.86	0.22	99.48	0.02					
BSW 2	46.52	2.16	15.24	12.07	0.18	8.09	8.62	4.01	0.74	0.74	1.56	99.93	0.01					
TG 1	47.26	2.61	15.16	13.65	0.16	6.34	8.05	3.68	1.13	0.69	1.04	99.76	0.01					
THB 2a	43.21	2.63	14.65	13.03	0.19	8.69	9.31	2.87	1.42	0.95	3.02	99.97	0.01					
THB 3	43.07	2.71	15.12	13.13	0.19	8.59	9.53	2.89	0.9	0.79	2.75	99.67	0.01					
FL 4	45.02	1.95	14.62	12.11	0.18	10.55	9.79	2.70	1.14	0.53	1.00	99.59	0.01					
GH 1	45.21	2.42	15.57	12.1	0.2	7.10	9.02	3.73	1.87	0.86	1.61	99.69	0.02					
FQ 1	44.74	2.05	14.91	11.37	0.18	8.84	10.18	3.54	0.88	0.69	2.48	99.86	0.01					
MOCOMP(D) Program (pills with ScMo X-ray Tube)																		
	Y	U	Rb	Th	Pb	As	Bi	Zn	Cu	Ni								
MLC 1	26	<1.5	14	<1.5	2	<3	3	83	67	118								
MLC 2	31	<1.5	37	9	4	<3	<2	109	52	143								
MLC 3	22	<1.5	22	6	3	<3	<2	88	77	300								
MLC 4	30	<1.5	29	6	3	<3	<2	86	50	131								
MLC 5	24	<1.5	19	7	4	<3	<2	84	64	169								
MH 1	23	<1.5	19	5	3	<3	3	129	59	314								
BSW 2	26	<1.5	19	5	3	<3	<2	93	59	155								
TG 1	23	1.5	22	4	2	<3	<2	127	55	92								
THB 2a	28	<1.5	33	4	2	<3	<2	82	59	145								
THB 3	28	<1.5	17	4	3	<3	<2	78	60	111								
FL 4	24	<1.5	27	5	2	<3	<2	83	70	262								
GH 1	29	2.8	40	7	4	4.3	<2	87	53	115								
FQ 1	25	<1.5	18	7	2	<3	<2	78	69	168								
detection limit(ppm)	1	1.5	1	1.5	1.5	3	2	1	1	1								
GOLD1 Program (pills with Au X-ray tube)																		
	Nb	Zr	Sr	Cr*	Ba	Sc	V	La	Ce	Nd								
MLC 1	38	180	648	277	270	25	199	27	56	33								
MLC 2	91	340	1317	186	624	17	173	99	163	62								
MLC 3	60	254	737	647	365	24	201	49	85	38								
MLC 4	83	311	1123	223	574	19	162	59	109	51								
MLC 5	64	256	724	347	396	27	214	47	83	37								
MH 1	69	232	843	380	285	19	181	49	86	41								
BSW 2	61	260	754	296	368	24	178	49	93	40								
TG 1	38	233	628	109	256	18	141	31	71	40								

THB 2a	69	236	1183	247	539	22	182	52	100	47			
THB 3	61	220	987	183	411	24	192	45	83	39			
FL 4	49	208	603	381	289	25	201	33	63	31			
GH 1	78	294	916	243	470	22	186	59	107	47			
FQ 1	64	252	718	299	401	26	199	44	83	37			
detection limit(ppm)	1	1	1	1	4	2	2	2	4	2			
Khin Zaw	XRF Analyses, SES-CODES, University of Tasman							Phil Robinson, Analyst					
30/05/2000	Samples ground in tungsten carbide mill							XRF preparation Katie McGoldrick					
MAJORS program (fusion discs)													
Ident	SiO2	TiO2	Al2O3	Fe2O3	MnO	MgO	CaO	Na2O	K2O	P2O5	Loss inc	Total	S
937	44.45	1.98	13.8	12.14	0.18	12.18	9.6	2.80	1.25	0.60	1.04	100.02	0.02
938	44.70	2.00	14.02	12.05	0.18	11.65	9.66	2.93	1.29	0.60	0.87	99.96	0.02
941	48.26	1.64	16.00	10.38	0.20	6.00	6.84	4.22	2.52	0.75	3.12	99.94	0.01
945	43.36	2.62	14.71	13.04	0.19	8.81	9.37	2.89	1.45	0.96	2.54	99.94	0.01
946	48.37	1.64	16.07	10.29	0.20	5.90	6.86	4.23	2.51	0.75	3.06	99.88	0.01
ppm													
GOLD1 program (pills)		Au X-ray tube											
Ident	Nb	Zr	Sr	Cr	Ba	Sc	V	La	Ce	Nd			
937	55	213	675	465	337	27	198	41	71	31			
938	105	500	1189	248	547	16	129	66	114	45			
941	49	196	591	464	314	26	188	36	67	30			
945	68	237	1240	248	551	24	176	51	98	45			
946	96	458	1080	238	528	16	123	59	112	45			
MOCOMP3 program (pills)		ScMo X-ray tube											
Ident	Y	U	Rb	Th	Pb	As	Bi	Zn	Cu	Ni			
937	24	<1.5	30	4	3	<3	<2	85	76	350			
938	23	2	30	5	2	<3	<2	85	78	335			
941	23	3	63	6	4	<3	<2	105	49	111			
945	29	<1.5	32	4	2	<3	<2	84	61	147			
946	23	2	64	9	5	<3	<2	104	49	111			