

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA - MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	CO	CU	OY	EU	F	GA	GE	AU	HF	FE	LA	PB	LI	LU	MG
113	6H113	CHILW	1	1			1	1	1.4	9	13	0.3	3020	2.8		15		2.66	65	72	3		0.09
114	6H114	CHILW	1	1			1	2	2.6	10	35		2015	3.4				2.82	143	127	3		0.12
115	6H115	CHILW	1	1			1	1	2.2	11	48	2.1	934	1.0				12.67	62	155	1		0.20
116	6H116	CHILW	1	1			1	1	8.8	17	53		2160	4.3	0.02			6.85	121	77	1		0.13
117	6H117	CHILW	1	1			1	1	0.9	9	33		1980	3.4	0.06	5		2.82	102	61	1		0.10
118	6H118	CHILW	1	1			1	1	0.7	9	28	0.4	819	1.0	0.01			2.38	176	77	1		0.15
119	6H119	CHILW	1	1			1	1	1.3	7	32	0.4	1401	3.8	0.04			4.39	150	61	2		0.22
120	6H120	CHILW	1	1			1	2	1.0	8	2	0.7	1286	1.7	0.03			2.50	62	66	2		0.17
121	6H121	CHILW	1	2			4	2	12.1	5			125	2.6	0.13			2.21	50	27	1		0.02
122	6H122	CHILW	1	2			6	2	9.3	8		0.3	2731	10.5	0.06			8.88	101	60	4		0.05
123	6H123	CHILW	1	2			4	1	17.3	9	17		59	3.8	0.96			2.74	100	54	6		0.01
124	6H124	CHILW	1	1			1	2	8.0	7	33	2.6	2889	3.0	0.78			3.65	121	54	4		0.03
125	6H125	CHILW	1	1			1	2	2.6	12	3	2.3	1245	1.5	0.35	9		1.74	173	76	4		0.04
126	6H126	CHILW	1	1			1	1	3.4	7	18		1765	0.8	0.52			1.53	162	54	1		0.05
127	6H127	CHILW	1	1			1	1	4.1	11		2.9	1853	1.4	0.91	3		2.37	205	43	2		0.02
128	6H128	CHILW	1	1			1	1	3.0	6	12	2.4	1533	1.9	0.14			6.67	113	60			0.07
129	6H129	CHILW	1	1			1	1	4.4	8	1	3.3	1231	1.5	0.32	2		3.14	126	54			0.03
130	6H130	CHILW	1	1			1	1	1.8	3		3.1	4335	2.3	0.36	5		3.13	222	60			0.10
131	6H131	CHILW	1	1			1	1	3.6	20	13	4.0	1809	2.6	0.16	4		3.86	214	61	3		0.04
132	6H132	CHILW	1	1			1	1	4.1	7	16	2.0	634	1.0				2.15	365	61	2		0.03
133	6H133	CHILW	1	1			1	1	2.4	7	20	4.3	1554	1.5	0.22			2.66	320	155	4		0.08
134	6H134	CHILW	1	1			1	1	2.4	8	17	3.5	534	0.8	0.10			3.49	356	133			0.10
135	6H135	CHILW	1	1			1	2	2.4	6		5.9	518	0.8	0.26			1.40	276	55			0.03
136	6H136	CHILW	1	1			1	2	3.2	7	14	7.8	1362	3.4	0.21	5		6.11	552	61	2		0.05
137	6H137	CHILW	1	1			1	1	1.3	7	1	6.4	1589	1.8	0.49			7.20	513	110			0.08
138	6H138	CHILW	1	1			1	1	3.5	4		9.3	1770	1.8	0.36	6		3.04	521	88			0.10
139	6H139	CHILW	1	1			1	1	2.8	8	14	14.2	4056	3.7	0.46			5.52	1089	94	1		0.17
140	6H140	CHILW	1	1			1	1	2.1	4	12	16.3	1899	1.6	0.67			2.87	122	133	1		0.10
141	6H141	CHILW	1	1			1	1	1.5	11	15	15.0	2775	2.2	0.68			6.84	1181	111	3		0.47
142	6H142	CHILW	1	1			1	2	1.6	8	22	12.1	867	0.6	0.81			2.85	743	115	3		0.36
143	6H143	CHILW	1	1			1	1	2.0	0	13	17.6	876	2.1	0.59			4.18	860	106	2		0.22
144	6H144	CHILW	1	1			1	1	4.3	11	16	13.9	448	1.3	0.28			4.33	663	123	4		0.35
145	6H145	CHILW	1	1			1	1	2.5	6	11	13.1	714	1.1				3.63	562	103	2		0.44
146	6H146	CHILW	1	1			1	1	2.5	10	21	19.3	1112	2.0	0.33			3.06	624	86	1		0.20
147	6H147	CHILW	1	1			1	1	2.3	6	24	15.6	1121	1.5	0.10			2.84	750	80			0.27
148	6H148	CHILW	1	1			1	2	3.9	8	8	18.9	1724	1.6				2.01	613	85			0.94
149	6H149	CHILW	1	1			1	2	10.2	17	12	10.4	27882	1.5	0.16			8.13	582	49	2		1.10
150	6H150	CHILW	1	1			1	2	2.9	9	15	10.9	922	3.3	0.12			2.45	415	78			0.10
151	6H151	CHILW	1	1			1	2	15.6	22	6	44.1	930	1.6	0.14			41.63	2702	895	3		0.20
152	6H152	CHILW	1	1			1	1	2.3	12	29	29.3	2420	1.3	0.41			3.94	787	131	1		7.41
153	6H153	CHILW	1	1			1	1	20.8	45	2	9.2	6508	18.9	2.67			12.56	1608	150	107		3.37
154	6H154	CHILW	1	1			1	1	6.5	7	2	22.1	1037	0.8				8.91	366	150	1		5.71
155	6H155	CHILW	1	1			1	1	2.8	12	42	27.4	2292	3.9	0.30			1.40	528	101	1		0.10
156	6H156	CHILW	1	1			1	1	2.6	10	51	22.9	1072	0.9				1.93	703	124			0.58
157	6H157	CHILW	1	1			1	1	2.3	30	37	23.6	2266	0.5	1.45			4.37	736	90	1		0.93
158	6H158	CHILW	1	1			1	1	1.1	13	15	18.4	726	2.7	0.50			6.80	626	138	3		0.56
159	6H159	CHILW	1	1			1	1	18.4	44	19	13.5	1403	8.4	0.66			7.07	805	105	39		5.18
160	6H160	CHILW	1	1			1	1	3.1	35	14	17.5	568	2.6				1.07	174	122	1		6.96
161	6H161	CHILW	1	1			1	1	12.6	12	1	25.9	1933	1.9	0.03			29.42	2156	268	2		1.43
162	6H162	CHILW	1	1			1	1	19.1	13		25.3	1922	2.0	0.45			9.25	1956	281	2		0.98
163	6H163	CHILW	1	1			1	1	15.3	9	13	26.1	1079	0.4	0.69			10.36	2022	230	3		1.15
164	6H164	CHILW	1	1			1	1	14.3	8		36.3	3502	3.7	0.32			8.77	2352	188	3		2.02
165	6H165	CHILW	1	1			1	1	12.1	16	15	33.1	1825	6.0	0.87			9.93	1850	193	1		1.88
166	6H166	CHILW	1	1			1	1	12.1	12	53	50.4	1324	2.1	0.64			11.79	2195	124	3		3.26
167	6H167	CHILW	1	1			1	1	8.8	17	19	51.3	4977	0.9	0.92			5.98	1722	114	1		4.10
168	6H168	CHILW	1	1			1	1	6.3	25	2	41.2	74826	0.9	1.66			8.90	1230	289			1.25

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169	6H169	CHILW	1	1	3		1	1	7.1	13	22	33.0	615	1.4	0.82			6.93	1800	181	1		5.37
170	6H170	CHILW	1	1	2		1	1	3.0	7	27	35.4	901	0.4	0.27			4.52	1422	422	3		8.39
171	6H171	CHILW	1	1			1	1	4.1	8	49	35.0	2274	1.4		1		2.82	1534	188	4		8.06
172	6H172	CHILW	1	1			1	1	4.0	13	26	33.0	805	2.3	1.35			7.11	1238	401			7.05
173	6H173	CHILW	1	1			1	1	5.2	11	32	27.3	869	4.6	0.44			6.80	1312	325	6		7.92
174	6H174	CHILW	1	1			1	1	4.2	9	35	32.9	2274	1.9	0.57			4.35	1511	293	5		5.89
175	6H175	CHILW	1	1			1	1	24.6	24	55	45.8	11242	10.0	1.11	3		8.99	1572	182	13		3.80
176	6H176	CHILW	1	1	3		1	2	4.3	9	28	36.0	1815	1.2	0.35			4.35	2060	1818	8		8.34
177	6H177	CHILW	1	1	3		1	2	6.3	13	22	20.9	1815	1.2	0.35			2.62	798	143			0.54
178	6H178	CHILW	1	1	3		1	1	0.8	6	18	25.4	1159	2.7				3.59	615	149	1		0.29
179	6H179	CHILW	1	1	3		1	1	0.5	7	18	7.3	5400	1.3				3.60	318	58	1		0.10
180	6H180	CHILW	1	1	3		1	1	1.2	7	24	18.5	657	0.7	0.10			4.59	1090	130			0.21
181	6H181	CHILW	1	1	3		1	1	1.8	11		7.2	776	1.7	0.17			3.16	979	145	2	3	0.57
182	6H182	CHILW	1	1	3		1	1	2.0	16	1	7.6	785	5.2	0.29			4.44	692	100	1		0.48
183	6H183	CHILW	1	1	3		1	1	0.6	11		6.1	946	3.8	0.18			3.03	534	158	2	2	0.37
184	6H184	CHILW	1	1	3		1	1	3.1	15		9.3	698	2.0	0.14			4.23	823	59	1	1	0.20
185	6H185	CHILW	1	1	3		1	2	2.2	15		16.2	1512	5.3	0.42			3.12	1533	81	1		0.22
186	6H186	CHILW	1	1	3		1	1	1.6	17		15.0	1650	3.4	0.43	2		2.24	1235	118	1	2	0.14
187	6H187	CHILW	1	1	3		1	1	3.4	13		9.1	670	1.4	0.10			2.93	456	60	1		0.15
188	6H188	CHILW	1	1	3		1	1	0.7	11		8.3	578	3.2	0.15			3.83	401	95			0.19
189	6H189	CHILW	1	1	3		1	1	2.4	13		7.4	701	4.0	0.12			1.76	620	73			0.30
190	6H190	CHILW	1	2			4	1	1.4	11		10.9	694	2.4	0.21			7.22	951	22			4.13
191	6H191	CHILW	1	2			4	1	2.1	12		9.3	630	3.9	0.09			4.18	890	9	1		0.24
192	6H192	CHILW	1	2			4	1	0.9	18		3.6	1455	2.8	0.41			10.66	96	49	8		0.65
193	6H193	CHILW	1	1			4	1	2.5	12		7.0	635	2.0	0.18			2.66	102	30			0.22
194	6H194	CHILW	1	1	3		1	1	2.8	13	2	8.4	674	3.2	0.24			1.66	187	37	1		0.20
195	6H195	CHILW	1	1	3		1	1	3.4	12	5	9.5	680	1.3	0.13			2.48	226	62	1		0.25
196	6H196	CHILW	1	2			1	1	6.5	17	15	4.3	1430	1.0	0.84			4.32	291	95		1	0.08
197	6H197	CHILW	1	2			1	1	4.4	18	11	5.2	1375	2.9	0.80			6.21	283	118			0.10
198	6H198	CHILW	1	2			4	2	3.8	16	20	8.8	2326	7.9	0.67			7.88	512	63	13	6	0.16
199	6H199	CHIKA	1	2			4	1	4.1	39	2	2.1	199	5.6	0.63			1.50	84	20	12		0.12
200	6H200	CHIKA	1	2			4	1	2.3	41		0.6	230	9.3	0.74			2.84	38	65	12	2	0.22
201	6H201	CHIKA	1	2			4	2	5.9	42		1.3	193	6.2	0.86			2.97	79	50	13		0.09
202	6H202	CHIKA	1	2			4	2	1.4	37		1.2	186	8.3	0.76			3.04	88	37	15		0.11
203	6H203	CHIKA	1	2			4	1	2.1	40	1	1.8	233	5.2	0.80			3.11	74	76	15		0.13
204	6H204	CHIKA	1	2			4	2	2.2	27		0.3	190	4.3	0.85			2.53	31	52	11		0.18
205	6H205	CHIKA	1	2			4	2	1.3	34		0.8	173	7.8	0.52			1.69	67	18	13	1	0.23
206	6H206	CHIKA	1	2			4	1	1.5	37		1.6	133	6.5	0.64			2.62	71	28	14		0.19
207	6H207	CHIKA	1	2			4	2	1.1	27		0.8	133	5.0	0.83			1.92	11	44	17		0.21
208	6H208	CHIKA	1	2			4	2	2.9	30	2	0.4	125	9.2	1.04			1.04	15	51	15		0.25
209	6H209	CHIKA	1	2			4	1	0.9	16			104	4.2	0.92			0.97	8	15	9		0.27
210	6H210	CHIKA	1	2			4	2	3.1	18			136	6.9	0.73	1		2.08	4	72	18		0.20
211	6H211	CHIKA	1	2			4	2	4.5	12		0.4	299	8.2	1.27			3.39	128	27	19	1	0.32
212	6H212	CHIKA	1	2			4	1	3.2	10	2		178	4.1	1.19			0.53	93	41	16		0.23
213	6H213	CHIKA	1	2			4	2	2.7	10			120	7.2	0.51			0.58	45	66	3		0.04
214	6H214	CHIKA	1	2			4	2	8.0	8			80	5.4	0.83			0.83	54	18	15	2	0.02
215	6H215	CHIKA	1	2			4	1	4.1	8			140	8.4	0.86			0.76	23	21	13	2	0.02
216	6H216	MONGO	1	2			4	2	1.9	14			846	7.6	0.68			4.56	27	63	8		0.03
217	6H217	MONGO	1	2			4	2	2.3	15			1480	9.7	0.71			5.13	56	84	6	1	0.05
218	6H218	MONGO	1	2			4	2	1.7	16		0.8	948	11.0	0.79			4.60	52	69	6		0.07
219	6H219	MONGO	1	2			4	1	1.5	15			1195	7.2	0.62			3.64	32	50	9		0.10
220	6H220	MONGO	1	2			4	1	2.1	15			1250	13.1	0.73			4.54	44	94	10		0.12
221	6H221	MONGO	1	2			4	2	3.4	16	5		1195	11.4	0.68			1.51	35	18	17		0.06
222	6H222	MONGO	1	2			4	1	0.7	10			727	9.6	0.69			3.39	50	74	17		0.19
223	6H223	MONGO	1	2			4	1	0.9	12	4	0.7	734	11.9	0.60	2		4.04	44	80	17		0.11
224	6H224	MONGO	1	2			4	2		10		0.3	630	7.9	0.85			3.69	36	106	14		0.20

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225	6H225	MONGO	1	2			4	1	1.1	12		0.6	722	10.9	0.92	3		3.17	64	74	18		0.22
226	6H226	MONGO	1	2			4	1	1.8	12	2	1.3	623	8.2	0.77	6		4.99	137	140	20	2	0.13
227	6H227	MONGO	1	2			4	2	4.1	8			832	14.4	0.97			4.46	112	45	25		0.23
228	6H228	MONGO	1	2			4	1	2.2	9		0.4	684	16.5	0.79	2		4.56	78	105	22		0.15
229	6H229	MONGO	1	2			4	1	1.9	11	7	0.6	751	12.9	0.72			3.37	57	57	21		0.24
230	6H230	MONGO	1	2			4	1	1.1	17	10	2.4	1550	10.8	0.83			4.83	98	74	18	1	0.70
231	6H231	MONGO	1	2			4	1	1.2	17	3	2.9	1727	13.2	0.91			4.86	128	31	17	1	0.71
232	6H232	MONGO	1	2			4	1	1.4	26			726	10.1	0.62			3.57	61	30	8	3	0.13
233	6H233	MONGO	1	2			4	1	1.6	24		0.5	740	15.3	0.79			4.34	73	39	5		0.12
234	6H234	CHAUM	1	2			4	1	6.2	47		3.3	120	9.0	8.26			8.46	84	20	8		0.35
235	6H235	CHAUM	1	2			4	2	12.7	56		2.4	198	7.2	9.11			4.93	71	15	6		0.27
236	6H236	CHAUM	1	2			4	2	35.8	156		3.1	145	4.7	10.26			9.27	66	4	4	3	0.35
237	6H237	CHAUM	1	2			4	2	51.4	28		4.8	122	8.6	8.01			9.10	78	18	6		0.30
238	6H238	CHAUM	1	2			4	2	34.2	30		4.6	130	10.8	9.22			8.55	74	15	4		0.19
239	6H239	CHAUM	1	2			4	1	49.1	128	1	4.2	68	5.4	9.39			9.35	88	9	6	2	0.41
240	6H240	CHAUM	1	2			4	1	40.2	31		2.1	85	8.0	9.02			7.23	59	21	7		0.36
241	6H241	ACHIR	1	2			4	2	4.5	28		1.3	116	5.7	0.88			1.51	14	48	3	1	0.12
242	6H242	ACHIR	1	2			4	1	1.8	10		4.2	90	2.7	0.97			0.75	26	35	4	1	0.12
243	6H243	ACHIR	1	2			4	2	0.7	11			98	4.1	1.03	3		1.61	41	72	6		0.12
244	6H244	ACHIR	1	2			4	2		8			95	6.4	0.88			0.44	6	96	2		0.07
245	6H245	ACHIR	1	2			4	1	2.4	11			120	5.2	0.86			0.58	11	50	2		0.04
246	6H246	ACHIR	1	2			4	2		9	3	0.6	102	7.5	0.76			0.41	2	84	3	3	0.02
247	6H247	ACHIR	1	2			4	2	1.1	10		2.8	166	3.4	0.96			0.23	16	32	1		0.03
248	6H248	ACHIR	1	2			4	1	1.3	10			157	5.7	0.83			1.75	3	74	4	3	0.02
249	6H249	ACHIR	1	2			4	2		8	2	1.6	140	7.9	0.74			1.50	4	62	3		0.10
250	6H250	ACHIR	1	2			4	1	0.7	7			184	3.4	0.82			1.26	2	50	3		0.05
251	6H251	ACHIR	1	2			4	1	0.8	9		1.2	147	5.1	0.86			0.75	11	57	1	2	0.06
252	6H252	ACHIR	1	2			4	2	1.1	10		0.5	96	6.7	0.89			1.22	7	60	1		0.05
253	6H253	ACHIR	1	2			4	1	0.9	9			115	7.7	0.94			0.81	7	60	1		0.05
254	6H254	ACHIR	1	2			4	2	4.2	7			158	5.1	0.63	2		2.12	13	23	2		0.15
255	6H255	ACHIR	1	2			4	2	0.9	17		1.3	110	6.0	0.82			0.79	15	72	2		0.07
256	6H256	ACHIR	1	2			4	1		19		1.7	74	7.9	0.81			0.72	12	112	3		0.06
257	6H257	ACHIR	1	2			4	2	0.8	17	1		150	9.8	0.67			2.39	3	102	1	1	0.10
258	6H258	ACHIR	1	2			4	2	0.6	23		0.5	158	4.7	0.59			0.53	7	55	4		0.07
259	6H259	ACHIR	1	2			4	1	4.2	18			155	6.7	0.64			1.29	3	89	3		0.05
260	6H260	ACHIR	1	2			4	2	3.1	21			96	4.3	0.84			0.75	13	23	5		0.07
261	6H261	ACHIR	1	2			4	2		25		1.2	170	3.0	0.67			8.85	10	31	1	4	0.07
262	6H262	ACHIR	1	2			4	1	3.6	22		0.8	164	6.2	0.87			0.50	11	58	2	1	0.06
263	6H263	ACHIR	1	2			4	1	3.1	25		2.6	138	2.8	0.64			0.54	22	94	2	1	0.07
264	6H264	ACHIR	1	2			4	2	2.4	25		2.5	138	7.7	0.94			0.46	23	42	4		0.05
265	6H265	ACHIR	1	2			4	1	3.3	31		1.3	133	5.2	1.03			0.64	17	15	3		0.09
266	6H266	KONGW	1	2			4	1	30.9	33		5.2	774	9.4	1.18			8.28	64	38	5		0.40
267	6H267	KONGW	1	2			4	1	22.3	31		4.6	856	8.7	1.73			9.25	54	69	2		0.27
268	6H268	KONGW	1	2			4	1	12.4	28		2.3	1205	6.4	1.67			1.00	76	59	9		0.53
269	6H269	KONGW	1	2			4	1	30.4	30		3.2	1687	3.2	1.74			9.15	98	24	12		0.60
270	6H270	KONGW	1	2			4	1	38.9	31		3.8	1650	6.7	1.79			6.94	84	73	4		0.48
271	6H271	KONGW	1	2			4	1	24.6	32		6.2	2099	5.5	2.31			8.26	122	18	11		0.67
272	6H272	KONGW	1	2			4	1	26.5	33		6.8	503	3.1	1.50			9.08	44	53	9		0.61
273	6H273	KONGW	1	2			4	1	12.4	30		5.3	1340	4.0	1.86			8.31	95	36	12		0.57
274	6H274	KONGW	1	2			4	1	23.7	31		3.1	1357	7.6	1.65			9.12	102	42	11		0.44
275	6H275	KONGW	1	2			4	1	32.6	29		2.9	795	5.0	1.72			9.11	57	50	6		0.48
276	6H276	KONGW	1	2			4	1	7.4	10	2	1.2	200	5.7	1.83			1.84	13	68	4		0.15
277	6H277	KONGW	1	2			4	1	15.2	31		5.3	57	7.4	1.18			10.59	44	32	10		0.37
278	6H278	KONGW	1	2			4	1	3.2	32		3.4	62	4.0	1.27			3.85	56	25	8	1	0.40
279	6H279	KONGW	1	2			4	1	11.4	31		4.2	55	8.8	1.20			1.60	43	70	11		0.43
280	6H280	KONGW	1	2			4	2	3.7	11			146	5.0	1.15			13.15	39	12	5		0.13

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	CO	CU	DY	EU	F	GA	GE	AU	HF	FE	LA	PB	LI	LU	MG
281	6H261	CHILO	1	3			1	1	0.7	12			3	2.4	1.43			0.40	9	44	7		0.06
282	6H282	CHILO	1	3			1	1	1.1	13		1.0	82	6.4	1.26			0.65	21	92	6		0.07
283	6H283	CHILO	1	2			4	1	1.1	12		0.2	31	8.0	1.40	2		0.44	25	82	7		0.08
284	6H284	CHILO	1	3			1	1	1.4	14			134	4.7	1.34			0.69	8	46	8		0.05
285	6H285	CHILG	1	3			1	1	0.8	15			25	7.1	1.19			0.42	3	113	3		0.03
286	6H286	CHILO	1	3			1	1	1.6	448		2.3	6	10.6	0.90	6		16.73	24	26	4		0.02
287	6H287	CHILO	1	3			1	1	0.7	24		0.2	752	6.5	0.75			3.57	4	12			7.18
288	6H288	CHILO	1	3			1	1	4.8	10		0.6	48	8.1	0.86			0.72	5	53	6		0.04
289	6H289	CHILO	1	3			1	1	0.7	8			25	6.2	1.37			0.77	2	53	9		0.01
290	6H290	CHILO	1	3			1	1	0.3	8			9	3.6	1.39			0.36	8	51	6		0.02
291	6H291	KAWAN	1	2			4	1	2.5	21			8	3.0	0.76			0.84	12	35	1		0.01
292	6H292	KAWAN	1	2			4	1	2.9	18			33	5.9	0.81			0.34	11	55	4		0.02
293	6H293	KAWAN	1	2			4	2	3.3	31		1.2	17	7.4	0.66			4.50	4	67	6		0.04
294	6H294	KAWAN	1	3			1	1	4.1	20			34	3.0	0.57			0.24	3	174	7		0.02
295	6H295	KAWAN	1	3			1	1	0.9	18		0.3	28	4.1	0.70			0.16	13	144	7		0.02
296	6H296	KAWAN	1	2			4	2	1.2	15		2.0	183	2.2	0.66			0.60	27	44	2		0.01
297	6H297	LIPER	1	2			4	2	2.8	14		1.4	56	4.8	0.83			1.38	9	66	3		0.02
298	6H298	LIPER	1	2			4	2	2.1	16		0.4	161	6.1	0.70			0.55	8	64	2		0.04
299	6H299	LIPER	1	2			4	2	1.9	15		2.0	59	2.5	0.66			0.63	17	53	2		0.03
300	6H300	LIPER	1	2			4	2	5.8	14		1.3	60	4.9	1.26			1.25	6	58	4		0.03
301	6H301	LIPER	1	2			4	1	5.5	14		1.4	16	3.8	1.19			0.87	8	13	2		0.02
302	6H302	LIPER	1	2			4	1	2.4	13		1.2	54	7.0	1.12			5.18	16	77	8		0.05
303	6H303	LIPER	1	2			4	1	12.3	15			158	3.5	1.23			5.42	32	48	1		0.05
304	6H304	NSENG	1	2			5	1	4.2	14		0.7	266	5.8	2.08			8.76	51	17	6		0.07
305	6H305	NSENG	1	2			5	1	7.9	13			325	3.0	2.40			3.44	97	19	2		0.07
306	6H306	NSENG	1	2			5	1	12.7	74			357	6.0	2.58			3.97	104	15	4		0.07
307	6H307	NSENG	1	2			5	1	11.8	19			270	7.3	1.69			4.11	79	20	5		0.06
308	6H308	NSENG	1	2			5	1	4.5	32		1.3	648	5.9	1.28			4.96	102	35	6		0.08
309	6H309	NSENG	1	2			5	1	2.1	34		1.5	733	4.5	1.35			6.87	84	26	4		0.19
310	6H310	NSENG	1	2			1	1	2.9	14			85	5.7	1.24			0.22	31	63	4		0.05
311	6H311	NSENG	1	3			1	1	2.1	25		1.8	97	2.5	0.92			3.32	27	31			1.15
312	6H312	NSENG	1	1			1	1	2.4	12		2.0	35	4.2	0.37			9.34	48	3			9.56
313	6H313	NSENG	1	1			1	1	1.6	12			25	0.7	0.26			1.66	1	22	2		10.66
314	6H314	NSENG	1	1			1	1	1.5	20			84	1.6	10.04			0.49	2	1085	166		0.04
315	6H315	NSENG	1	1			1	1	3.7	22		3.3	620	4.1	1.56			7.00	26	20	5		0.21
316	6H316	NSENG	1	3			1	1	2.9	13			95	1.6	1.72			0.36	5	54	9		0.10
317	6H317	NSENG	1	1			1	1	4.2	34			491	3.2	1.72			3.71	8	53	14		0.24
318	6M001	TUNDU	1	1			1	2	4.0	9		36.5	6385	1.4				9.07	17815	91	10		0.18
319	6M002	TUNDU	1	1			1	2	4.3	12		55	60.3	2385				3.08	3834	69	3		0.10
320	6M003	TUNDU	1	1			1	1	3.8	15		27	33.7	3898	0.4			4.91	4521	97	3		0.12
321	6M004	TUNDU	1	1			1	1	4.6	11		13	36.4	3354	0.2			2.96	3386	87	3		0.07
322	6M005	TUNDU	1	1			1	1	4.2	8		120	52.0	7311	1.0			6.90	1843	65	5		0.35
323	6M006	TUNDU	1	1			1	1	3.7	25		44	36.9	3547	4.4			5.60	2724	72	7		0.17
324	6M007	TUNDU	1	1			1	1	5.5	27		38	35.8	13569	0.6			5.79	2312	58	6		0.20
325	6M008	TUNDU	1	1			1	1	4.4	16		16	37.1	2391	0.6			9.30	2923	70	3		0.08
326	6M009	TUNDU	1	1			1	1	33.2	13		3	805	1.2	0.19			9.12	2398	55	3		0.40
327	6M010	TUNDU	1	1			1	1	27.9	45		2	25.6	653	0.4			3.78	2376	65	3		0.52
328	6M011	TUNDU	1	1			1	1	3.5	11		18	18.3	5337	1.2			9.52	3161	111	4		0.41
329	6M012	TUNDU	1	1			1	1	9.0	13		1	13.7	1542	0.6			13.30	2756	132	4		0.39
330	6M013	TUNDU	1	1			1	1	3.1	18		13	15.2	609	0.9			8.59	2341	177	3		0.52
331	6M014	TUNDU	1	1			1	1	14.4	6		8	9.3	3.6	0.25			7.95	1192	57	2		0.41
332	6M015	TUNDU	1	1			1	1	17.5	4		1	9.4	2480	2.6			4.27	1203	23	2		0.09
333	6M016	TUNDU	1	1			1	1	8.1	14		4	6.5	1518	4.4			4.43	836	16	5		0.32
334	6M017	TUNDU	1	1			1	1	7.5	7		6	15.6	2980	3.3			5.89	1102	22	5		0.38
335	6M018	TUNDU	1	1			1	1	7.5	13		2	14.0	1469	3.1			4.15	1501	32	4		0.36
336	6M019	TUNDU	1	1			1	1	7.3	17		1	70.5	2868	8.9			4.25	1207	18	2		0.10

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	CO	CU	DY	EU	F	GA	GE	AU	HF	FE	LA	PB	LI	LU	MG
337	6N020	TUNDU	1	1	1	3	1	2	11.7	5	306	65.1	2326	10.2	0.22			7.59	2218	64	3	2	1.12
338	6N021	TUNDU	1	1	1	3	1	2	9.6	8	306	106.7	14838	2.7	0.17			5.66	2476	101	4	4	0.51
339	6N022	MATOP	1	1	2		2	1	6.1	21		65.3	2000	1.1	0.22			3.46	894	76	4	1	0.30
340	6N023	MATOP	1	1	2		2	1	7.3	18		37.8	527	2.0	0.43			2.92	822	74	3		0.27
341	6N024	MATOP	1	1	2		2	1	1.6	4	28	17.5	2671	1.4	1.36			4.61	630	63			0.12
342	6N025	MATOP	1	1	2		2	1	2.5	3	23	15.0	3304	1.1	1.64			3.54	683	79			0.21
343	6N026	MATOP	1	2			2	1	3.2	6	55	22.4	7056	1.9	0.92			6.92	773	92	3		0.28
344	6N027	MATOP	1	1	2		2	1	7.4	7	72	21.9	1135	2.0	0.21			6.32	695	86	4		0.25
345	6N028	MATOP	1	1	2		2	1	3.9	15	5	25.6	2511	2.0	0.31			7.09	841	77	4		0.42
346	6N029	MATOP	1	1	2		2	2	6.6	4	21	23.1	3240	2.8	0.47			10.98	722	32	2	1	0.57
347	6N030	MATOP	1	1	2		2	2	1.6	12	8	19.4	2390	1.7	0.17			4.59	593	29	1		0.59
348	6N031	MATOP	1	1	2		2	2	3.2	5	36	22.3	3004	1.4	0.22			9.92	664	53	3		0.11
349	6N032	MATOP	1	1	2		2	2	1.7	13	3	25.5	973	0.8	0.17			4.96	953	85	4		0.12
350	6N033	MATOP	1	1	2		2	1	0.9	4	39	37.8	1021	0.5				5.47	1006	86	2		0.25
351	6N034	MATOP	1	1	2		2	1	1.3	7	2	46.6	805	1.5				6.25	850	43	4		0.29
352	6N035	SONGW	1	1	2		2	1	0.9	4	36	42.3	1190	0.7				2.19	1480	95	4		0.32
353	6N036	SONGW	1	1	2		2	1	1.2	3	26	33.7	938	0.4				4.16	1311	65	3		0.31
354	6N037	SONGW	1	1	2		2	1	1.0	2	55	29.5	1464	0.6				2.15	1342	79	4		0.20
355	6N038	SONGW	1	1	2		2	1	1.3	14	14	35.0	2356	1.9				7.33	2034	68	1		0.53
356	6N039	SONGW	1	1	2		2	1	1.4	13	6	45.4	1280	0.8				4.53	2421	118	4	1	0.47
357	6N040	SONGW	1	1	2		2	1	1.2	3	53	78.4	1028	0.7				1.44	3024	181	2		0.12
358	6N041	SONGW	1	1	2		2	1	0.6	11	209	133.9	7098	0.7	0.35			5.96	6005	217	4	2	0.13
359	6N042	SONGW	1	1	2		2	1	0.9	13	71	68.8	6511	1.5	0.17			6.26	4312	206	4		0.22
360	6N043	SONGW	1	1	2		2	1	1.7	7	87	128.3	8030	3.7	0.29			6.22	4921	178	6	1	0.24
361	6N044	SONGW	1	1	2		2	1	1.2	4	81	98.2	1107	2.3	0.13			5.76	4217	203	3		0.17
362	6N045	SONGW	1	1	2		2	1	0.6	9	62	80.6	1305	1.6	0.20			3.42	3193	170	3	2	0.19
363	6N046	SONGW	1	1	2		2	1	0.5	11	59	68.7	2400	3.7	0.39			13.45	3724	141	2	2	0.15
364	6N047	SONGW	1	1	2		2	1	0.4	5	41	72.3	1860	1.0	0.21			7.68	2881	105	3		0.28
365	6N048	SONGW	1	1	2		2	1	0.7	7	66	54.5	1051	1.1	0.50			4.59	3022	86	3		0.22
366	6N049	SONGW	1	1	2		2	1	0.6	6	75	50.5	1243	1.0	0.28			3.57	2011	68	1		0.10
367	6N050	SONGW	1	1	2		2	1	0.9	3	55	47.2	1350	1.5	0.21			5.95	2287	85	4		0.20
368	6N051	SONGW	1	1	2		2	1	1.5	4	74	47.7	2393	2.4	0.22			6.77	1282	101	4		0.12
369	6N052	SONGW	1	1	2		2	1	2.6	5	111	66.1	17211	1.8	0.70			8.20	2456	153	3	3	0.21
370	6N053	SONGW	1	1	2		2	1	3.3	9	69	44.9	1404	1.9	0.23			6.66	1811	136	3		0.25
371	6N054	SONGW	1	1	2		2	1	3.1	4	94	58.5	3505	1.5	0.19			50.11	1922	142	4	1	0.32
372	6N055	SONGW	1	1	2		2	1	2.9	7	73	41.2	5301	2.7	0.21			7.07	1932	131	2		0.20
373	6N056	SONGW	1	1	2		2	1	3.6	6	78	44.8	2304	1.4	0.04			3.09	1162	105	5		0.15
374	6N057	SONGW	1	1	2		2	1	3.3	3	40	52.0	3464	3.2				12.48	6907	289	5	1	0.27
375	6N058	SONGW	1	2			2	1	2.0	7	31	27.1	4465	1.6	0.86			9.18	5971	185	4		0.15
376	6N059	SONGW	1	1	2		2	1	1.7	3	16	29.6	3135	6.0	0.86			44.60	3711	196	5	1	0.17
377	6N060	SONGW	1	1	2		2	1	3.7	9	21	18.7	2000	15.1	0.88			37.48	932	100	5	3	0.32
378	6N061	SONGW	1	2			2	1	2.7	14	13	13.2	841	7.8	1.85			5.22	903	68	23		1.15
379	6N062	SONGW	1	2			2	1	5.6	10	11	34.2	1479	5.9	1.19			4.26	1211	131	1		1.23
380	6N063	SONGW	1	1	2		2	1	4.3	17	14	48.0	710	2.0	0.31			8.28	3388	178	3		0.18
381	6N064	SONGW	1	2			2	1	3.0	11	17	38.8	1050	2.8	0.69			9.46	3792	172	2	2	4.20
382	6N065	SONGW	1	2			2	1	4.7	6	27	80.4	19440	2.0	0.43			29.49	6766	1081	1	4	2.30
383	6N066	SONGW	1	1	2		2	1	3.7	11	108	132.9	3823	2.9	0.35			13.59	3650	268	2	5	0.23
384	6N067	SONGW	1	1	2		2	1	2.6	16	23	79.7	1010	0.9	0.62			7.24	3321	101	11		0.27
385	6N068	SONGW	1	1	2		2	1	2.3	7	94	46.5	1988	0.8	0.35			3.72	1296	126	2		0.21
386	6N069	SONGW	1	1	2		2	1	4.0	11	75	57.2	1520	1.3	0.22			6.69	1842	158	2		0.30
387	6N070	SONGW	1	3	1	3	4	1	3.6	10	84	53.6	1210	0.6	0.59			9.27	1551	92	4	2	0.29
388	6N071	SONGW	1	1	2		2	1	6.6	13	66	70.4	2650	1.9	0.62			3.82	2009	122	5	5	0.26
389	6N072	SONGW	1	1	2		2	1	4.1	6	73	48.8	1050	1.1	0.67			3.86	1901	146			0.29
390	6N073	SONGW	1	2			2	1	4.4	20	64	36.7	3140	1.3	0.88			24.60	1591	121			0.39
391	6N074	NAMAN	1	2			2	1	6.2	15	42	39.0	2230	6.5	0.75			1.99	1922	179	5	2	1.05
392	6N075	NAMAN	1	2			2	1	4.5	13	26	14.2	1040	4.2	0.62			8.16	662	132	5	1	0.10

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	DCC	LCN	CO	CU	DY	EU	F	GA	GE	AU	HF	FE	LA	PB	LI	LU	MG
393	6M076	NAMAN	1	2		3	5	2	5.5	17	47	17.4	1510	6.0	0.57			1.26	993	106	8		2.07
394	6M077	NAMAN	1	2		3	5	2	6.1	19	38	6.8	1180	4.9	0.96			3.23	521	141	7		3.09
395	6M078	NAMAN	1	2		3	5	2	4.3	5	22	8.9	870	6.2	1.43			3.26	672	182	4		1.37
396	6M079	NAMAN	1	2		3	5	2	4.4	6	27	9.2	660	8.3	1.08			3.03	731	86	4		0.15
397	6M080	NAMAN	1	2		3	5	1	4.7	11	33		720	6.4	1.92			2.37	473	80	11		2.05
398	6M081	NAMAN	1	2		3	5	1	5.1	18			820	7.8	1.67			6.91	223	157	16		1.28
399	6M082	NAMAN	1	2		3	5	1	5.6	20	3	2.2	630	9.0	1.31	2		5.70	212	181	60		2.54
400	6M083	NAMAN	1	2		3	5	2	7.2	29	1	2.2	3688	11.2	1.10			6.56	258	42	73	2	2.39
401	6M084	NAMAN	1	2		3	5	2	4.8	14	1		3170	10.6	0.82			5.94	321	33	50		2.55
402	6M085	NAMAN	1	2		3	5	2	3.2	23		2.4	2330	8.4	1.30			7.42	336	87	60	1	3.76
403	6M086	NAMAN	1	2		3	5	2	2.9	25		4.5	1810	3.4	1.22			3.74	281	81	21	1	5.32
404	6M087	NAMAN	1	2		3	5	2	2.8	19	2	2.3	1050	4.6	1.01	1		5.99	279	116	82		2.11
405	6M088	NAMAN	1	2		3	5	2	2.5	18		6.6	1530	5.2	1.36			5.71	382	93	55		3.50
406	6M089	NAMAN	1	2		3	5	2	2.7	21		9.0	1211	4.0	1.44			4.97	301	172	90		4.61
407	6M090	NAMAN	1	2		3	5	2	2.2	8		9.0	1775	6.8	1.89			6.36	452	259	60		4.57
408	6M091	NAMAN	1	2		3	5	2	2.6	9		5.1	1362	4.9	1.01			3.50	323	195	119		1.50
409	6M092	NAMAN	1	2		3	5	2	3.0	15	1	3.2	1534	6.3	1.59			5.37	421	162	80		0.09
410	6M093	NAMAN	1	2		3	5	2	2.4	13		11.6	1441	7.4	1.27			6.04	543	249	49		0.53
411	6M094	NAMAN	1	2		3	5	1	3.1	19		15.0	1693	4.8	1.51			2.75	482	148	70		0.92
412	6M095	NAMAN	1	2		3	5	1	3.2	9		6.5	2554	6.0	0.67			5.52	521	170	60		1.09
413	6M096	NAMAN	1	2		3	5	2	2.4	11	2	8.7	1662	5.6	0.89			5.32	652	98	43		0.15
414	6M097	TUNDU	1	2		3	4	1	3.3	3	23	11.1	1472	7.0	0.70			3.80	992	83	13	1	7.20
415	6M098	TUNDU	1	2		3	4	1	4.2	8	52	13.9	2560	5.5	1.01			3.24	921	73	8		7.09
416	6M099	TUNDU	1	2		3	4	2	3.0	6	46	9.3	2480	2.4	0.85	1		4.17	1203	84	4		6.18
417	6M100	TUNDU	1	2		3	4	1	3.8	32	3	12.7	894	2.8	1.19			7.11	1816	95	9		1.34
418	6M101	TUNDU	1	2		3	4	2	2.8	3	24	9.8	630	3.3	0.92			2.42	1892	76	6		3.05
419	6M102	TUNDU	1	2		3	4	2	2.8	3	24	9.8	630	3.3	0.92			5.02	955	120	8		7.09
420	6M103	TUNDU	1	2		3	4	1	2.9	14	2	8.1	1096	3.7	0.72			6.03	1202	107	3	1	5.15
421	6M104	TUNDU	1	2		3	4	2	1.7	5	33	11.0	613	2.2	1.68			14.45	804	175	6		0.53
422	6M105	TUNDU	1	2		3	4	2	2.4	10	95	8.5	1853	3.4	0.89			6.21	923	92	8	2	0.85
423	6M106	TUNDU	1	2		3	4	2	2.0	13	89	8.3	1990	2.8	1.07			5.50	964	114	10		0.30
424	6M107	TUNDU	1	2		3	4	2	2.0	11	98	8.9	2760	4.5	0.77			5.72	1074	152	11		0.65
425	6M108	TUNDU	1	2		3	4	2	1.6	15	95	7.2	2020	4.7	0.81			6.48	905	170	11		1.17
426	6M109	TUNDU	1	2		3	4	2	1.6	15	95	7.2	2020	4.7	0.81	6		3.52	591	121	12		1.35
427	6M110	TUNDU	1	2		3	4	2	1.8	17	1	7.7	1299	5.1	1.19			5.46	391	111	11		0.37
428	6M111	TUNDU	1	2		3	4	2	1.6	20	85	16.5	2360	6.4	1.36	1		6.00	441	73	5		0.20
429	6M112	TUNDU	1	2		3	4	2	0.5	3	27	3.4	2980	4.3	0.64	3		2.77	607	67	19		0.41
430	6M113	TUNDU	1	2		3	4	2	5.0	14	94	2.6	1242	4.8	0.92			5.01	421	55	16		2.25
431	6M114	TUNDU	1	2		3	4	2	7.2	16	83	4.7	4562	4.8	1.51	5		5.71	369	77	11		6.20
432	6M115	TUNDU	1	2		3	4	2	7.5	12	85	1.1	1624	5.8	0.63			6.30	333	108	19	1	0.22
433	6M116	TUNDU	1	2		3	4	2	6.6	15	76	6.5	2303	4.4	1.20	11		4.10	472	137	28		5.40
434	6M117	TUNDU	1	2		3	4	2	7.2	16	83	4.7	4562	4.8	1.51	5		5.71	369	77	11		6.20
435	6M118	TUNDU	1	2		3	4	2	8.6	9	92	5.2	2735	7.2	1.40	7		5.23	425	62	22		6.18
436	6M119	TUNDU	1	2		3	4	2	4.5	8	81	5.6	1504	8.3	1.72	1		6.14	394	75	30		3.23
437	6M120	TUNDU	1	2		3	4	2	8.7	9	18	7.5	2440	8.0	1.29			5.69	422	69	27		4.15
438	6M121	TUNDU	1	2		3	4	2	8.8	14	18	9.8	3172	9.3	1.10			8.94	319	58	39	3	2.64
439	6M122	TUNDU	1	2		3	4	2	4.5	13	96	14.5	1170	9.3	0.67			7.17	999	63	35	2	2.31
440	6M123	TUNDU	1	2		3	4	2	6.4	18	92	11.3	1790	5.2	0.88			7.75	1448	43	24		4.36
441	6M124	TUNDU	1	2		3	4	2	5.6	11	95	35.1	1261	6.0	0.76			8.48	211	48	27	1	3.29
442	6M125	TUNDU	1	2		3	4	1	8.0	10	97	31.9	3387	3.8	0.58			9.51	1711	37	22	1	4.31
443	6M126	TUNDU	1	2		3	4	2	7.2	11	91	24.6	4242	6.1	0.80			6.41	2519	54	48		4.55
444	6M127	TUNDU	1	2		3	4	2	5.4	19	86	26.8	2066	4.1	0.62	1		1.08	3133	48	1		4.09
445	6M128	TUNDU	1	2		3	4	2	8.2	18	92	31.4	1905	3.9	0.63			4.21	415	82	1		4.13
446	6M129	CHILW	1	1		3	3	1	4.3	7	76	38.9	3552	3.2	0.41	1		11.03	4805	121	6	1	2.29
447	6M130	CHILW	1	1		3	3	1	5.2	5	87	34.2	4013	3.6	0.82	1		11.27	3534	90	5	1	0.18
448	6M131	CHILW	1	1		3	3	2	4.7	23	115	56.0	26605	3.0	1.18	1		7.54	9952	653	8		0.32

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

GBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	CD	CU	DY	EU	F	GA	GE	AU	HF	FE	LA	PB	LI	LU	MG
449	6M132	CHILW	1	1	3		1	2	4.6	21	85	38.9	5887	3.3	0.90			6.99	3911	323	6		2.72
450	6M133	CHILW	1	1	3		1	1	4.7	10	92	34.5	3305	3.2	0.52	1		7.71	4357	164	7		2.35
451	6M134	CHILW	1	1	3		1	2	4.5	2	24	29.4	4151	1.4	0.73			7.11	5025	191	4	3	7.42
452	6M135	CHILW	1	1	3		1	2	0.6	2	21	39.9	4906	0.5	0.42			2.09	3412	224	4		0.17
453	6M136	CHILW	1	1	3		1	1	1.7	2	27	16.5	2703	0.6	0.23			9.12	2621	186	4	1	10.44
454	6M137	CHILW	1	1	3		1	2	0.7	4	24	10.2	1112	0.8	0.20	3		3.16	3579	136	1		7.18
455	6M138	CHILW	1	1	3		1	2	1.2	7	22	16.7	2953	0.7	0.83	1		4.36	4325	101	6		7.50
456	6M139	CHILW	1	1	3		5	1	0.4	12	27	10.6	4006	1.3	0.51			7.18	2204	162	3	1	0.10
457	6M140	CHILW	1	1	3		1	2	1.5	5	25	8.3	1862	0.8	0.77			3.16	1425	95	6		0.33
458	6M141	CHILW	1	1	2		1	2	0.4	8	23	12.8	1186	0.5	0.22	3		0.78	329	53	3		0.78
459	6M142	CHILW	1	1	3		1	1	2.3	12	26	14.4	1894	0.5	0.86			34.14	854	106	1	3	0.78
460	6M143	CHILW	1	1	3		1	1	4.3	17	22	10.2	3112	3.6	1.23	2		12.31	1194	81	1	2	0.19
461	6M144	CHILW	1	1	3		1	2	2.3	7	25	9.9	2305	3.3	1.71			3.08	923	95			10.57
462	6M145	CHILW	1	1	3		1	2	2.7	6	24	12.8	1445	0.7	0.40	1		7.25	784	82	2		7.43
463	6M146	CHILW	1	1	3		1	2	1.9	8	27	18.1	1882	3.7	0.26	1		6.65	1738	141		1	7.43
464	6M147	CHILW	1	1	4		1	2	3.4	14	24	36.6	3941	0.5	0.18			44.86	1274	166	1		2.88
465	6M148	CHILW	1	1	4		1	2	2.8	21	36	25.3	3186	2.1	0.42			37.14	2359	102	1	2	0.92
466	6M149	CHILW	1	1	4		1	2	1.8	11	27	26.2	2550	1.4	0.87	1		63.37	2035	178	5		0.52
467	6M150	CHILW	1	1	4		1	2	1.5	32	16	18.9	5872	1.8	0.26			34.68	3027	221	2		0.47
468	6M151	CHILW	1	1	4		1	1	4.2	15		46.0	1642	1.7	0.09			17.35	3315	200	5		0.87
469	6M152	CHILW	1	1	4		1	1	2.9	13	11	97.7	2933	1.4	1.41	5		33.92	4721	307	3	2	0.69
470	6M153	CHILW	1	1	4		5	2	5.6	19	38	88.4	5691	2.9	1.10			31.59	6919	1632	3	4	0.28
471	6M154	CHILW	1	1	4		1	2	4.1	17	80.8	4970	3.7	0.61			18.48	3735	293	1		1.23	
472	6M155	CHILW	1	1	4		1	2	1.2	13	24	88.1	1222	2.7	0.29			28.34	4941	81			1.44
473	6M156	CHILW	1	1	3		1	2	0.7	4	29	31.8	1092	2.4	0.77			35.05	4105	68	2		3.61
474	6M157	CHILW	1	1	3		1	2	0.4	10	15	33.7	4207	3.2	1.28	1		6.69	3214	89			7.51
475	6M158	CHILW	1	1	3		1	2	1.3	15	8	21.9	3090	3.2	1.60			9.74	4022	148	2		0.27
476	6M159	CHILW	1	1	3		1	2	2.2	9	13	24.4	1706	5.4	1.13			28.24	4423	130	1	1	0.27
477	6M160	CHILW	1	1	3		1	1	4.2	9	17	21.2	2433	3.7	1.10			8.06	3052	106	1		7.40
478	6M161	CHILW	1	1	3		5	1	5.0	13	21	22.3	3587	4.7	1.52			9.67	2653	337	5		8.40
479	6M162	CHILW	1	1	3		5	2	7.1	4	25	25.7	2466	3.6	1.19	1		11.08	1005	1231	4		4.70
480	6M163	CHILW	1	1	2		1	2	3.6	9	17	20.6	1102	2.1	0.90			4.61	1321	973	7	1	9.88
481	6M164	CHILW	1	1	2		1	1	4.7	5	20	10.5	3405	3.0	0.52	3		4.38	1316	321	6	1	2.00
482	6M165	CHILW	1	1	2		1	1	4.5	7	33	12.3	4133	2.8	0.29	3		0.92	1211	72	9		1.78
483	6M166	CHILW	1	1	2		1	1	9.6	13	28	9.9	1220	5.5	0.92			4.95	997	297	3		4.32
484	6M167	CHILW	1	1	2		1	1	8.5	9	23	13.5	2568	3.0	0.92			2.46	1434	55	8		1.50
485	6M168	CHILW	1	1	2		3	1	9.9	6	19	4.6	481	2.6	0.25	1		7.82	1208	94	9		2.08
486	6M169	CHILW	1	1	2		1	1	4.6	23	22	11.6	2460	1.0	0.62			3.40	623	71	7		3.55
487	6M170	CHILW	1	1	2		1	1	5.8	21	27	9.0	1405	0.8	0.13			1.18	417	45	4	2	1.88
488	6M171	CHILW	1	1	2		1	1	17.5	27	31	10.5	4593	2.5	0.22			8.58	310	59	16	2	4.01
489	6M172	CHILW	1	1	2		1	1	5.4	9	22	8.7	1770	3.0	0.31	5		1.08	807	24	19	1	3.32
490	6M173	CHILW	1	1	2		1	1	3.8	24	25	11.2	1016	1.2	0.15	2		1.27	501	26	10		2.72
491	6M174	CHILW	1	1	3		1	1	8.6	9	17	13.1	2332	1.4	0.15			8.71	284	152	8		3.56
492	6M175	CHILW	1	1	2		1	1	3.4	18	19	8.9	2053	3.0	0.82			2.06	369	51	1		3.22
493	6M176	CHILW	1	1	2		3	1	6.4	11	18	11.4	1105	2.2	0.58			7.38	468	84	6		4.02
494	6M177	CHILW	1	1	2		1	2	2.0	13	17	7.7	3196	2.5	0.05	3		10.93	382	221	1		3.77
495	6M178	CHILW	1	1	2		1	2	1.4	4	23	6.5	1455	1.6	0.05			2.42	326	76	2		4.97
496	6M179	CHILW	1	1	2		1	2	0.7	4	28	6.3	1315	0.7				3.11	251	48	3	1	1.13
497	6M180	CHILW	1	1	2		1	2	0.9	3	1	7.9	1705	0.8				3.37	226	59	1		0.05
498	6M181	CHILW	1	2			4	2	0.9	10			259	3.3	1.23			2.42	59	16	1		0.07
499	6M182	CHILW	1	1	2		1	1	0.7	7			150	1.0	0.87			3.43	61	17	1		0.11
500	6M183	CHILW	1	1	2		1	2	0.8	9			243	1.6	0.88			1.75	56	16			0.05
501	6M184	CHILW	1	1	2		4	2	0.9	12			256	3.0	0.92	1		3.62	56	8	1		0.07
502	6M185	CHILW	1	1	2		4	2	0.8	10			164	2.3	1.10			9.15	62	15	6		0.09
503	6M186	CHILW	1	1	2		4	2	1.2	19			240	3.4	1.29			5.90	52	10	6		0.04
504	6M187	CHILW	1	1	2		4	2	3.5	18			155	8.5	1.00			8.16	35	12	10		0.03

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OBS	NO	SECTOR	RS	RK	RK2	ALT	OC	CC	CU	DY	EU	F	GA	GE	AU	HF	FE	LA	PB	LI	LU	MG
505	6M188	CHIKA	1	2			4	4.2	16			205	10.5	1.11			3.69	41	15	2		0.03
506	6M189	CHIKA	1	2			4	3.6	19			133	10.0	1.26			3.82	38	17	3		0.05
507	6M190	CHIKA	1	2			4	3.8	19			204	9.5	0.98			2.94	44	5	1		0.03
508	6M191	CHIKA	1	2			4	3.6	19			145	9.5	1.19			3.27	40	11	10		0.03
509	6M192	CHIKA	1	2			4	9.2	8		21.1	2650	9.4	1.31			1.82	456	50	22		1.57
510	6M193	CHIKA	1	2			4	3.5	20			78	9.0	1.07			2.91	48	16	8		0.05
511	6M194	CHIKA	1	2			4	4.3	18			127	10.0	0.88			2.06	41	20	6		0.09
512	6M195	CHIKA	1	2			4	4.2	20			75	15.0	1.04			2.15	49	19	7		0.04
513	6M196	CHIKA	1	2			4	3.6	22			130	9.5	0.87			2.91	51	23	5		0.03
514	6M197	CHIKA	1	2			4	4.1	15			131	9.0	0.93			5.61	46	22	8		0.05
515	6M198	CHIKA	1	2			4	9.2	4		20.0	2584	9.5	0.96			0.99	456	4	10		1.87
516	6M199	CHIKA	1	2			4	4.5	40			96	9.5	0.86			2.38	48	19	8		0.03
517	6M200	CHIKA	1	2			4	3.6	43			74	10.5	0.67			0.36	57	8	5		0.05
518	6M201	CHIKA	1	2			4	4.7	0			65	10.0	1.01			4.11	55	22	13		0.03
519	6M202	CHIKA	1	2			4	3.4	7			940	8.5	0.69			0.54	82	21	1		0.04
520	6M203	CHIKA	1	2			4	2.6	3			863	9.5	1.07			0.54	23	25	5		0.07
521	6M204	CHIKA	1	2			4	3.3	7			1086	11.0	1.19			0.35	89	24	7		0.06
522	6M205	MONGO	1	2	3		4	2.6	5		2.3	1205	10.5	1.10			6.02	101	27	21		0.10
523	6M206	MONGO	1	2	3		4	3.0	4			1377	13.2	1.40			4.39	119	27	36		0.12
524	6M207	MONGO	1	2	3		4	3.2	8			1075	12.0	0.68			2.96	110	28	18		0.10
525	6M208	MONGO	1	2			4	2.4	15			997	11.0	0.77			4.58	104	79	18		1.05
526	6M209	MONGO	1	2			4	2.5	12			1250	13.0	0.81			3.82	99	81	6		0.93
527	6M210	MONGO	1	2			4	3.0	14			1125	11.5	0.96	2		3.82	102	78	12		0.67
528	6M211	MONGO	1	2			4	2.8	16			1310	12.0	0.74			3.19	103	82	32		0.95
529	6M212	MONGO	1	2			4	2.5	20			1389	12.5	0.67			3.60	100	81	18		0.45
530	6M213	MONGO	1	2			4	2.7	18			1554	11.5	0.82			3.27	103	78	3		0.75
531	6M214	MONGO	1	2			4	2.5	14			1486	12.0	0.76			2.55	102	81	6		0.63
532	6M215	MONGO	1	2			4	3.0	17			1207	12.3	0.89			4.35	96	78	15		0.70
533	6M216	KANGA	1	1	2		4	7.5	14		31.1	2994	12.0	0.69			9.54	951	45	2		5.02
534	6M217	KANGA	1	1	2		4	8.2	17		37.1	3376	9.9	0.77			8.53	852	41	6		4.74
535	6M218	KANGA	1	1	2		4	7.5	17		35.0	3118	3.5	0.63	1		4.90	1053	35	6		5.18
536	6M219	KANGA	1	1	2		4	2.6	14	3	36.9	3465	2.4	0.39			34.92	1011	37	12		5.46
537	6M220	KANGA	1	1	2		4	3.0	17	15	32.2	3688	2.0	0.20			3.04	956	31	10		5.20
538	6M221	KANGA	1	2	3		4	10.5	15	5	37.2	4365	1.4	0.88			8.45	913	33	1	1	5.04
539	6M222	KANGA	1	2			4	10.0	14	5	38.0	3150	2.0	0.92			8.75	1004	33	5		5.33
540	6M223	KANGA	1	1	2		4	10.6	16	2	34.1	3475	1.5	0.78			13.48	812	35	5		5.08
541	6M224	KANGA	1	1	4		4	9.2	13	7	35.7	2653	1.0	0.60			11.49	921	35	6		5.23
542	6M225	KANGA	1	1	4		4	10.3	13	1	35.8	3075	1.5	0.72			10.80	1513	37	9		5.32
543	6M226	KANGA	1	1	3		4	9.6	16	1	33.1	2444	1.2	0.44			7.64	1208	22	3		5.23
544	6M227	KANGA	1	1	2		4	10.2	13	1	37.9	1845	1.7	0.81			12.96	955	37	9		5.22
545	6M228	KANGA	1	1	3		4	7.2	16	1	33.3	2156	0.7	0.63			10.74	2711	40	12		5.01
546	6M229	KANGA	1	1	3		4	8.8	12	1	33.2	2006	1.1	0.78			5.00	2422	18	6		5.70
547	6M230	KANGA	1	1	4		4	6.8	12	1	28.8	2250	1.4	0.50			8.96	2301	95	10		5.95
548	6M231	KANGA	1	1	3		4	6.6	15	1	26.0	1907	1.0	0.57			9.72	2389	43	12		5.75
549	6M232	KANGA	1	1	2		4	6.0	8	1	33.0	2206	1.0	0.39	3		7.53	2415	57	14		5.47
550	6M233	KANGA	1	1	3		4	7.5	8	1	35.0	1780	0.5	0.71			7.85	1005	32	9		5.50
551	6M234	KANGA	1	1	2		4	5.4	10	1	35.4	2050	0.3	0.80			13.00	11016	68	7		5.48
552	6M235	KANGA	1	1	2		4	2.5	8	1	34.9	2213	0.6	0.27			5.03	2935	33	10		5.43
553	6M236	KANGA	1	1	2		4	5.1	11	1	44.1	891	0.3	0.60			3.24	3027	40	12		5.70
554	6M237	KANGA	1	1	4		4	6.3	10	1	40.3	1125	0.8	0.39			8.05	11013	52	15		5.72
555	6M238	KANGA	1	1	4		4	5.8	13	1	47.3	954	0.4	0.43			18.08	1534	77	5		5.75
556	6M239	KANGA	1	1	4		4	2.8	12	1	44.8	1531	0.7	0.17			9.52	7151	55	9		6.76
557	6M240	KANGA	1	1	2		4	4.1	17	1	53.4	1703	0.4	0.56			4.37	806	31	10		6.25
558	6M241	KANGA	1	1	4		4	4.4	11	1	54.1	2274	0.5	0.43			5.46	11361	60	8		5.88
559	6M242	KANGA	1	1	2		4	2.7	9	1	48.3	1215	3.5	0.68			5.73	15022	55	12		6.54
560	6M243	KANGA	1	1	2		4	3.9	9	1	44.9	741	0.3	0.06			8.58	15111	57	10		7.50

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	CO	CU	DY	EU	F	GA	GE	AU	HF	FE	LA	PB	LI	LU	MG
561	6M244	KANGA	1	1	1	1	1	2.2	11			36.9	848	0.6	0.11			3.67	17023	50	6		6.68
562	6M245	KANGA	1	2	2	2	2	2.9	8			30.0	905	0.3	0.33			8.88	18006	53	6		7.52
563	6M246	KANGA	1	1	2	2	2	2.0	8			22.6	252	0.4				4.18	18561	49	4		8.17
564	6M247	KANGA	1	2	2	2	2	2.1	22			5.1	3957	4.5	0.17			11.60	1622	48	66		1.30
565	6M248	KANGA	1	2	2	2	2	3.2	8			15.3	18185	5.2	3.00			7.86	1800	16	408		3.16
566	6M249	KANGA	1	2	4	4	4	2.3	14			5.3	4990	7.3	1.10			9.74	1737	16	54		1.34
567	6M250	KANGA	1	2	2	2	2	9.2	19			21.4	2809	4.5	1.20			11.68	456	50	3		1.85
568	6M251	KANGA	1	1	2	2	2	10.3	15			103.3	2415	2.5	1.12			4.58	19494	35	11	1	1.37
569	6M252	KANGA	1	1	4	4	2	11.3	11			90.7	1493	2.2	0.68			6.68	5111	40	15		1.06
570	6M253	KANGA	1	1	4	4	2	10.6	10			93.0	1841	1.6	0.91	5		8.03	4526	62	6		1.38
571	6M254	KANGA	1	1	4	4	2	12.2	22			82.0	796	2.0	0.22			6.97	8533	68	5		1.50
572	6M255	KANGA	1	1	4	4	2	10.6	25			85.1	1432	1.4	0.44	1		8.24	7421	60	7		1.27
573	6M256	KANGA	1	1	4	4	2	11.3	22			76.5	1996	1.2	0.11	6		9.20	9683	65	9		1.51
574	6M257	KANGA	1	1	4	4	2	12.3	16			77.1	2157	2.1	0.21	4		10.79	5521	43	8		1.22
575	6M258	KANGA	1	3	3	3	3	10.8	19			72.4	2285	1.5	0.43	2		5.88	4951	63	2		1.48
576	6M259	KANGA	1	1	4	4	2	11.3	16			55.3	2654	1.5	0.43	2		10.83	6323	68	3		1.62
577	6M260	KANGA	1	1	4	4	2	10.2	13			61.1	2247	1.2	0.10			10.39	5233	63	9		1.23
578	6M261	KANGA	1	1	4	4	2	11.5	24			54.0	2506	1.8	0.13	5		31.65	4469	66	12		0.97
579	6M262	KANGA	1	1	3	3	3	10.6	16			51.9	2550	2.5	0.21	2		6.79	9521	63	9		1.22
580	6M263	KAPIR	1	1	3	3	3	11.4	22			48.1	2303	2.3	0.49	7		9.42	954	65	5		1.25
581	6M264	KAPIR	1	1	3	3	3	9.1	8			21.1	2634	4.3	0.60			10.80	456	50	6		1.51
582	6M265	KAPIR	1	1	3	3	3	9.6	13			56.3	2198	2.5	0.42			12.77	6213	64	3		1.00
583	6M266	KAPIR	1	1	3	3	3	10.4	15	3		52.1	2353	2.3	0.71			1.44	404	67	3		1.23
584	6M267	KAPIR	1	1	3	3	3	10.1	12	1		56.2	1775	2.0	0.59			12.99	5201	63	8		1.47
585	6M268	KAPIR	1	1	3	3	3	9.0	15	5		20.2	2115	1.5	0.32			11.65	5531	66	3		1.05
586	6M269	KAPIR	1	1	3	3	3	9.2	8	30		53.7	2571	4.5	1.27			11.40	456	49	1		1.96
587	6M270	KAPIR	1	1	3	3	3	13.2	11	21		10.9	5412	5.0	0.64			8.97	351	54	12		3.13
588	6M271	KAPIR	1	1	3	3	3	13.8	22	28		12.0	6552	2.9	0.79			9.20	400	55			2.75
589	6M272	KAPIR	1	1	3	3	3	14.5	21	19		15.1	5325	4.7	1.28			9.02	450	56	1		2.07
590	6M273	KAPIR	1	1	3	3	3	12.8	25	15		12.0	6180	4.5	1.12			2.30	612	53	14		2.48
591	6M274	KAPIR	1	1	3	3	3	13.1	30	25		15.3	5546	5.5	0.82			8.95	354	58	14		1.72
592	6M275	NSALA	1	1	3	3	3	1.5	11	27		15.3	330	4.7	1.17			1.90	34	40	16		0.25
593	6M276	NSALA	1	2	4	4	2	3.2	32	31		18.1	1809	5.0	1.06			5.57	551	100	27		0.44
594	6M277	NSALA	1	2	4	4	2	12.4	12	1		3.3	2635	5.7	0.86			7.43	44	77	1		1.45
595	6M278	KONGW	1	2	4	4	2	11.7	20			2.1	1018	6.5	1.20			1.15	40	32	7		0.17
596	6M279	KONGW	1	2	4	4	2	10.8	18			0.9	1415	6.2	1.11			3.52	42	27	5		0.30
597	6M280	KONGW	1	2	4	4	2	11.7	21			1.4	853	5.8	2.66			1.72	40	40	3		0.22
598	6M281	KONGW	1	2	4	4	2	11.4	19			1.3	943	3.3	2.68			0.92	43	30	4		0.04
599	6M282	KONGW	1	2	4	4	2	5.4	37			11.0	1721	4.5	0.82			1.69	280	33	13		1.88
600	6M283	KONGW	1	2	4	4	2	31.4	12			2.2	305	4.3	3.41			0.34	54	42	6		0.20
601	6M284	KONGW	1	2	4	4	2	1.0	12			2.1	374	5.4	2.80			1.44	22	40	13		0.35
602	6M285	KONGW	1	2	4	4	2	1.2	10			2.3	275	5.2	3.54	2		0.90	60	39	9		0.23
603	6M286	KONGW	1	2	4	4	2	0.7	7			2.7	160	5.9	4.17			2.72	35	35	2		0.05
604	6M287	KONGW	1	2	4	4	2	0.4	9			2.6	178	5.0	1.81			1.12	145	33	9		0.06
605	6M288	KONGW	1	2	4	4	2	0.7	7			2.7	95	5.5	1.63			1.82	140	38	3		0.07
606	6M289	KONGW	1	2	4	4	2	1.8	11			2.0	127	4.6	1.41	1		3.58	30	47	6		0.05
607	6M290	KONGW	1	2	4	4	2	5.3	37			11.5	1675	4.5	1.48			12.59	306	35	12		0.16
608	6M291	KONGW	1	2	4	4	2	1.6	10			2.0	34	3.2	0.92			0.83	15	50	3		0.05
609	6M292	KONGW	1	2	4	4	2	1.4	12			1.9	44	4.0	0.93			0.56	24	48	4		0.05
610	6M293	ALIGO	1	2	4	4	2	2.4	30	5		7.2	1628	5.3	1.31			10.93	133	52	14		2.25
611	6M294	ALIGO	1	1	4	4	2	2.3	27	13		7.2	1831	6.5	1.72			12.39	137	50	13		2.53
612	6M295	ALIGO	1	2	4	4	2	2.1	25	3		6.0	1847	5.5	1.60			1.71	139	50	6		2.48
613	6M296	ALIGO	1	2	4	4	2	2.9	10			2.3	606	4.6	0.97			2.04	35	45	5		0.24
614	6M297	ALIGO	1	2	4	4	2	2.5	8			2.1	323	4.7	1.19			1.05	32	15	11		0.37
615	6M298	ALIGO	1	2	4	4	2	2.8	6			50.3	1994	2.5	1.23			9.73	22	34	5		6.05
616	6M299	ALIGO	1	2	4	4	2	5.5	38	10		12.4	1933	5.2	1.14			10.78	284	35	8		2.05

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OBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	CO	CU	DY	EU	F	GA	GE	AU	HF	FE	LA	PB	LI	LU	MG
617	6M300	ALIGO	1	2		3	4	2	2.6	11		1.1	103	4.1	1.23			4.63	5	12	3		0.06
618	6M301	ALIGO	1	2		3	4	2	4.6	15			25	3.9	1.06			0.59		20	2		0.02
619	6M302	ALIGO	1	2		3	4	2	1.3	15		1.1	109	2.9	1.99			0.57		50	3		0.07
620	6M303	ALIGO	1	2		3	4	1	1.5	17		1.2	165	3.2	1.97			0.55		48	2		0.04
621	6M304	ALIGO	1	2		3	4	2	3.1	13		1.3	74	3.5	2.21			0.50	12	42	5		0.02
622	6M305	ALIGO	1	1	1		4	1	11.2	4		1.3	2250	5.8	1.46			1.43	5	71	31		1.03
623	6M306	KADON	1	2		3	4	1	24.9	5	18	0.9	2635	6.2	2.22			5.44	14	70	243		1.15
624	6M307	KADON	1	2		3	5	2	2.5	6	16		167	8.6	2.54			7.02	22	150	7		0.12
625	6M308	KADON	1	2		3	5	2	6.6	13	5		130	22.0	2.04			3.70	15	84	13		0.03
626	6M309	KADON	1	2		3	5	2	7.7	14	13		211	21.9	2.23			2.93	14	95	7		0.05
627	6M310	KADON	1	2		3	5	2	8.6	19	21		143	20.0	2.41			3.34	22	105	8		0.12
628	6M311	KADON	1	2		3	5	2	9.4	15	28		206	22.7	2.87			5.66	32	110	11	2	0.09
629	6M312	KADON	1	2		3	4	2	8.4	39	20	11.5	1832	4.3	2.13	4		2752.00	281	40	15		1.77
630	6M313	KADON	1	2		3	4	2	5.3	14	16		163	24.0	1.94			2.60	24	103	20		0.05
631	6M314	KADON	1	2		3	4	2	9.5	16	3	1.3	226	23.5	2.20			2.91	26	106	15		0.07
632	6M315	MLIND	1	2		3	2	2	10.6	55	5	6.2	148	3.5	2.07			4.08	2	50			0.03
633	6M316	MLIND	1	2		3	2	2	10.3	53	15	7.1	202	3.7	1.67			3.55	2	40			0.14
634	6M317	MLIND	1	2		3	2	2	6.4	50		4.9	223	4.0	1.82			0.73		38			0.11
635	6M318	MLIND	1	3		3	2	2	0.7	6		1.1	167	1.1	3.24			0.14		45			12.46
636	6M319	MLIND	1	3		3	2	2	0.5	8		1.1	138	1.0	2.09			0.28		43			11.47
637	6M320	MLIND	1	2		3	1	1	2.0	9			135	10.1	2.96			4.26		20	9		0.15
638	6M321	MLIND	1	3		3	1	1	25.5	1		5.0	3518	6.6	2.17			5.59		37	4		9.92
639	6M322	MLIND	1	3		3	1	1	18.7	83		1.4	2850	7.9	1.41			5.77	1	43	13		9.03
640	6M323	MLIND	1	3		3	1	1	25.2	81		2.0	3307	7.5	1.92			9.35	1	42	15		9.10
641	6M324	MLIND	1	3		3	1	1	13.1	79		3.0	3128	10.0	1.72			9.38	1	45	7		8.50
642	6M325	MLIND	1	3		3	1	1	24.2	81		5.2	3346	8.5	1.43			7.20	1	43	20		8.73
643	6M326	MLIND	1	3		3	1	1	25.0	79		3.8	2815	9.0	2.03			14.65	1	50	19		7.95
644	6M327	MLIND	1	3		3	1	1	23.4	85		5.4	2488	6.0	1.78			6.07	2	42	2		7.17
645	6M328	MLIND	1	3		3	1	1	24.9	80		5.1	2750	7.5	1.92			4.71	2	46	12		6.45
646	6M329	MLIND	1	3		3	1	1	24.0	78		3.4	2689	10.0	1.54			5.95	2	41	10		7.02
647	6M330	MLIND	1	3		3	1	1	45.2	82		6.9	2205	9.0	1.47			2.14	2	45	3		7.98
648	6M331	MLIND	1	3		3	1	1	24.1	80		9.1	2319	12.3	1.85			10.16	3	50	9		5.56
649	6M332	MLIND	1	3		3	1	1	23.3	78		6.9	2653	11.5	1.01			8.41	2	48	14		7.77
650	6M333	MLIND	1	3		3	1	1	16.2	81		5.0	3050	9.5	1.08			5.81	1	57	17		8.18
651	6M334	MLIND	1	3		3	1	1	44.2	16		1.9	75	2.1	0.97			2.83		55	3		0.36
652	6M335	MLIND	1	3		3	1	1	4.6	10	18	4.2	3760	13.0	1.26			7.32		43	3		10.42
653	6Y001	TUNDU	1	1	2		1	2	4.6	10	18	7.2	3627	4.2	0.35			8.67	626	46	3		0.18
654	6Y002	TUNDU	1	1	2		1	2	1.4	18	22	3.6	3245	2.9	0.99			2.71	819	55	3		0.22
655	6Y003	TUNDU	1	1	2		1	2	2.1	10	12	10.1	2293	7.2				8.61	449	39	6		0.37
656	6Y004	TUNDU	1	1	2		1	2	7.3	17	3	8.3	8608	30.3	1.27			11.85	559	20	45		0.30
657	6Y005	TUNDU	1	1	2		1	2	4.4	17	13	8.3	4247	12.3				2.44	302	42	6		0.21
658	6Y006	TUNDU	1	1	2		1	2	7.2	14	2	3.6	10893	33.9	1.31			12.35	241	20	57		0.27
659	6Y007	TUNDU	1	1	2		1	2	2.5	40	13	0.8	3506	8.1	0.09			9.94	993	79	9		0.31
660	6Y008	TUNDU	1	1	2		1	2	3.3	28	13	4.1	2005	5.3				1.91	759	28	4		0.10
661	6Y009	TUNDU	1	1	2		1	2	1.5	23	21	1.1	2698	6.4				3.35	1302	9	5		0.27
662	6Y010	TUNDU	1	1	2		1	2	2.6	44	12	5.0	900	3.8				5.02	398	35	4		0.33
663	6Y011	TUNDU	1	1	2		1	2	3.2	26	13	9.2	496	4.3		2		2.33	459	47	4		0.08
664	6Y012	TUNDU	1	1	2		1	2	2.8	21	7	13.4	3005	4.9				1.84	384	68	8		0.17
665	6Y013	TUNDU	1	1	2		1	2	7.3	10	34	6.9	739	2.8		1		6.18	683	11	2		1.65
666	6Y014	TUNDU	1	1	2		1	2	1.4	9	37	14.2	2454	0.7				2.35	582	59	2		0.07
667	6Y015	TUNDU	1	1	2		1	2	8.5	16	27	11.3	581	0.9				2.40	1306	16	4		0.06
668	6Y016	TUNDU	1	1	2		1	2	1.1	36	65.4		1585	0.2	0.04			2.32	1659	66	1		0.06
669	6Y017	TUNDU	1	1	2		1	2	2.7	42	13	33.0	793	0.9	0.09			9.57	1436	59			0.06
670	6Y018	TUNDU	1	1	2		1	2	1.4	9	1		202	1.4	0.43			0.88	29	44			0.21
671	6Y019	TUNDU	1	1	2		1	2	1.9	16	59	56.3	1425	1.6				5.34	2266	252	5		0.16
672	6Y020	TUNDU	1	2		3	3	1	4.6	12		4.2	2791	5.3	0.09			3.50	81	50	28		0.68

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	OCN	CD	CU	DY	EU	F	GA	GE	AU	HF	FE	LA	PB	LI	LU	MG
673	6Y021	TUNDU	1	1	2		1	1.5	19	11	8.3	473	1.5		4		3.88	295	93	3		0.20
674	6Y022	TUNDU	1	1	2		5.7	18	20	20	14.9	636	0.6				1.67	574	64	5		0.23
675	6Y023	TUNDU	1	1	2		1.9	11	15	15	6.3	1647	1.7				1.48	372	52	4		0.13
676	6Y024	TUNDU	1	1	2		0.4	34	8	10.1	730	2.3					1.61	183	31	4		0.27
677	6Y025	TUNDU	1	1	2		6.7	24	21	9.3	371	1.9					0.46	265	48	5		0.18
678	6Y026	TUNDU	1	1	2		2.3	12	16	11.4	1159	2.1	0.13		5		3.31	475	44	8		0.11
680	6Y028	TUNDU	1	1	2		4.1	16	18	14.3	2397	2.6					0.80	2030	60	5		0.08
681	6Y029	TUNDU	1	1	2		1.0	22	2	20.2	1275	1.8			1		2.37	1250	79	8		0.15
682	6Y030	SONGW	1	1	2		4.8	45	2	38.1	1748	4.4					3.15	1840	124	14		0.20
683	6Y031	SONGW	1	1	2		2.4	21	97	109.0	9838	1.9			3		9.02	2935	396	1		0.13
684	6Y032	SONGW	1	1	2		6.6	14	85	31.4	692	2.4	0.94		1		4.84	1556	15	2		0.29
685	6Y033	SONGW	1	1	2		2.0	8	91	39.3	339	2.4	0.69		2		5.51	2252	25	2		0.21
686	6Y034	SONGW	1	1	2		1.1	16	102	128.8	3557	1.7	0.83				5.36	2764	262	3		0.26
687	6Y035	SONGW	1	1	2		0.7	25	91	30.2	880	2.3	0.83				4.24	2351	45	2		0.31
688	6Y036	SONGW	1	1	2		0.1	8	95	56.1	1425	0.5	0.17				3.50	2167	151	2		0.46
689	6Y037	SONGW	1	1	2		5.1	21	79	38.4	1130	1.2			2		4.16	1052	72	3		0.21
690	6Y038	SONGW	1	1	2		1.1	16	90	44.0	843	2.3	0.70				4.94	1622	77	2		0.30
691	6Y039	SONGW	1	1	2		11.6	16	227	36.3	2454	16.9	1.63				8.99	789	245	15		0.77
692	6Y040	SONGW	1	1	2		10.8	12	105	88.1	1554	1.0	0.73				3.48	523	202	5		0.20
693	6Y041	SONGW	1	1	2		12.7	12	124	73.2	2100	1.4	0.85		4		4.21	2206	99	5		0.17
694	6Y042	SONGW	1	1	2		7.5	26	115	63.1	2250	1.8	0.55				3.68	74	79	7		0.13
695	6Y043	SONGW	1	1	2		2.5	41	107	51.4	1253	2.9	0.45				3.94	2396	167	5		0.26
696	6Y044	SONGW	1	1	2			33	114	67.3	3251	2.3	0.22				2.22	986	230	4		0.10
697	6Y045	SONGW	1	1	2			11	108	102.0	3802	1.0	0.22				4.26	2728	201	4		0.13
698	6Y046	SONGW	1	1	2		3.7	23	31	39.4	176	11.6	1.67		7		13.62	1372	409	12		0.39
699	6Y047	SONGW	1	1	2		1.4	8	54	48.4	1502	1.9	0.09		17		5.62	1358	251	2		0.15
700	6Y048	SONGW	1	1	2		1.8	16	22	6.3	536	2.0			5		6.27	1510	126	3		0.10
701	6Y049	SONGW	1	1	2		5.3	7	32	10.0	379	1.2			3		6.38	2351	35	3		0.17
702	6Y050	SONGW	1	1	2		4.8	6	11	9.0	379	1.2					9.16	1862	60	5		0.20
703	6Y051	SONGW	1	1	2		1.7	12	86	53.2	898	3.2			9		6.04	2157	42	4		0.27
704	6Y052	SONGW	1	1	2		0.5	15	81	45.5	1272	2.4					10.16	1776	31	3		0.16
705	6Y053	SONGW	1	1	2		1.1	26	68	35.9	630	1.1					12.36	3211	32	5		0.13
706	6Y054	SONGW	1	1	2		2.1	29	52	38.1	451	1.6			1		8.92	3687	92	2		0.22
707	6Y055	SONGW	1	1	2		3.8	16	74	40.3	833	2.1					14.29	3923	179	4		0.30
708	6Y056	SONGW	1	1	2		1.3	7	69	43.4	2490	1.3	0.17				5.84	3599	183	4		0.14
709	6Y057	SONGW	1	1	2		0.4	6	62	32.9	1778	2.8			2		13.84	3450	222	3		0.21
710	6Y058	SONGW	1	1	2		3.8	7	70	46.2	4528	5.0	0.88				10.90	2454	171	5		0.34
711	6Y059	SONGW	1	1	2		1.9	10	41	63.4	4799	2.3	0.26				6.32	5222	196	5		0.74
712	6Y060	SONGW	1	1	2		1.8	16	33	66.5	490	3.1					7.59	3455	152	6		0.50
713	6Y061	SONGW	1	1	2		4.3	12	128	117.6	5815	0.7			7		11.48	5157	196	7		0.98
714	6Y062	SONGW	1	1	2		2.4	11	35	72.6	1123	0.4	0.26				6.18	1556	122	5		0.64
715	6Y063	SONGW	1	1	2		2.8	15	45	37.3	708	1.3					4.51	500	146	4		0.41
716	6Y064	SONGW	1	1	2		1.1	12	86	83.4	2167	1.0	0.13				7.96	5254	239	6		0.20
717	6Y065	SONGW	1	1	2		2.1	9	68	75.4	3025	1.7					11.06	4010	273	5		0.51
718	6Y066	SONGW	1	1	2		2.0	14	87	123.2	7444	0.5	0.09				6.57	3030	526	2		0.12
719	6Y067	SONGW	1	1	2		1.3	30	93	90.9	3776	0.8					8.45	2654	226	1		0.08
720	6Y068	SONGW	1	1	2		1.6	23	146	162.6	6040	0.7	0.22				7.41	3559	361	2		0.10
721	6Y069	SONGW	1	1	2		3.8	25	79	57.6	2101	3.3	0.64				5.95	2758	254	3		0.15
722	6Y070	SONGW	1	1	2		2.6	9	4	28.2	1217	13.7	0.74				48.47	658	98	1		0.19
723	6Y071	SONGW	1	1	2		1.5	28	99	86.1	2459	0.9	0.09				4.13	2889	174	5		0.51
724	6Y072	SONGW	1	1	2		1.7	23	122	118.3	1842	2.7	0.09				9.34	2322	217	1		0.19
725	6Y073	SONGW	1	1	2		1.6	9	116	75.1	3062	0.4					5.170	2834	174	5		0.16
726	6Y074	SONGW	1	1	2		5.1	8	148	99.0	4799	0.9					8.59	3470	161	5		0.20
727	6Y075	SONGW	1	1	2		6.7	11	154	65.0	1096	1.1	0.19				6.68	2688	145	5		0.25
728	6Y076	SONGW	1	1	2		4.3	15	170	72.4	1931	0.9	1.06				11.65	1998	109	4		0.31

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	CO	CU	DY	EU	F	GA	GE	AU	HF	FE	LA	PB	LI	LU	MG
729	6Y077	SONGW	1	1	2	1	2	6.0	10	164	46.2	2753	0.3	1.07	1.07	1.07	1.07	5.24	233	133	5	5	0.18
730	6Y078	SONGW	1	1	2	1	2	2.6	19	182	91.8	2344	2.1	1.07	1.07	1.07	1.07	10.55	821	181	5	5	0.29
731	6Y079	SONGW	1	1	2	1	2	0.8	5	181	110.4	1552	0.5	1.07	1.07	1.07	1.07	4.49	3037	174	8	8	0.40
732	6Y080	NAMAN	1	2	5	5	2	5.3	12	3	44.2	1250	6.4	0.17	0.17	0.17	0.17	2.83	147	141	18	18	0.65
733	6Y081	NAMAN	1	2	5	5	2	5.0	11	2	2.1	1973	10.3	1.81	1.81	1.81	1.81	4.19	99	56	49	49	0.88
734	6Y082	NAMAN	1	2	5	5	1	6.4	14	7	8.0	841	5.3	1.81	1.81	1.81	1.81	135.00	572	15	9	9	0.27
735	6Y083	NAMAN	1	2	5	5	1	8.2	11	10	2.9	476	6.2	1.81	1.81	1.81	1.81	3.08	1626	24	7	7	0.40
736	6Y084	NAMAN	1	2	5	5	1	2.7	8	10	2.1	2125	4.0	1.81	1.81	1.81	1.81	2.90	1798	25	8	8	0.18
737	6Y085	NAMAN	1	2	5	5	3	9.2	21	11	5.0	2740	4.7	1.81	1.81	1.81	1.81	3.02	855	47	3	3	0.58
738	6Y086	NAMAN	1	3	5	5	1	2.3	16	3	0.2	977	1.0	0.88	0.88	0.88	0.88	1.51	116	50	1	1	0.79
739	6Y087	NAMAN	1	2	5	5	1	1.1	21	2	0.2	759	2.4	0.94	0.94	0.94	0.94	2.64	420	18	3	3	0.55
740	6Y088	NAMAN	1	2	5	5	1	4.3	16	2	0.4	1401	1.3	0.94	0.94	0.94	0.94	2.84	203	43	6	6	0.35
741	6Y089	NAMAN	1	2	5	5	1	7.4	19	2	0.4	3936	4.1	0.89	0.89	0.89	0.89	2.73	88	54	2	2	0.29
742	6Y090	NAMAN	1	2	5	5	1	2.1	9	1	1460	2.6	1.41	1.41	1.41	1.41	3.56	345	33	8	8	0.49	
743	6Y091	NAMAN	1	2	5	5	1	5.2	13	1	1565	5.7	1.01	1.01	1.01	1.01	4.42	190	112	106	106	1.08	
744	6Y092	NAMAN	1	1	5	5	1	9.4	16	2	4.3	1255	1.5	1.53	1.53	1.53	1.53	1.13	67	63	12	12	0.11
745	6Y093	NAMIN	1	3	5	5	1	4.5	10	1	4.3	899	0.9	1.32	1.32	1.32	1.32	1.83	258	43	9	9	0.21
746	6Y094	NAMIN	1	3	5	5	2	11.9	26	1	0.6	642	1.3	1.44	1.44	1.44	1.44	1.14	411	38	11	11	0.25
747	6Y095	NAMIN	1	3	5	5	2	4.3	14	1	1073	5.3	3.79	3.79	3.79	3.79	0.84	565	88	7	7	0.31	
748	6Y096	NAMIN	1	3	5	5	1	1.1	13	1	2.0	452	2.1	1.93	1.93	1.93	1.93	1.14	53	56	3	3	0.09
749	6Y097	NAMIN	1	3	5	5	1	0.8	11	1	0.3	376	0.8	0.93	0.93	0.93	0.93	1.37	342	27	4	4	0.22
750	6Y098	NAMIN	2	3	5	5	1	2.3	26	1	0.3	376	0.8	0.93	0.93	0.93	0.93	0.85	236	69	3	3	0.10
751	6Y099	NAMIN	1	3	5	5	1	4.2	23	17	5.0	498	2.7	1.46	1.46	1.46	1.42	165	77	3	3	0.09	
752	6Y100	NAMIN	1	3	5	5	1	2.6	14	1	3.3	340	2.4	1.02	1.02	1.02	2.48	160	148	4	4	0.16	
753	6Y101	NAMIN	1	3	5	5	1	5.2	20	1	7.2	707	3.9	0.92	0.92	0.92	1.20	946	56	3	3	0.30	
754	6Y102	NAMIN	1	3	5	5	1	1.1	17	2	87	2.1	1.32	1.32	1.32	1.32	0.53	15	42	5	5	0.08	
755	6Y103	NAMIN	1	3	5	5	1	0.8	13	1	94	1.6	1.16	1.16	1.16	1.16	0.95	41	43	5	5	0.15	
756	6Y104	NAMIN	2	3	5	5	1	0.3	21	1	5.0	498	2.7	1.46	1.46	1.46	1.42	165	77	3	3	0.09	
757	6Y105	NAMIN	1	3	5	5	1	1.7	32	1	7.2	707	3.9	0.92	0.92	0.92	1.44	80	159	3	3	0.10	
758	6Y106	NAMIN	1	3	5	5	1	5.8	25	1	2.6	1140	0.9	1.14	1.14	1.14	1.39	461	14	4	4	0.13	
759	6Y107	NAMIN	1	3	5	5	1	3.0	15	1	2.6	839	0.6	1.30	1.30	1.30	2.59	88	48	4	4	0.21	
760	6Y108	NAMIN	1	3	5	5	1	2.6	17	1	0.8	180	6.0	1.49	1.49	1.49	1.27	44	56	4	4	0.04	
761	6Y109	NAMIN	1	3	5	5	1	3.0	12	1	0.8	255	5.0	1.05	1.05	1.05	4.41	80	20	5	5	0.13	
762	6Y110	NAMIN	1	3	5	5	1	7.6	14	1	2.0	600	3.7	1.03	1.03	1.03	2.08	25	13	2	2	0.08	
763	6Y111	NAMIN	1	3	5	5	1	4.9	9	1	911	3.1	1.04	1.04	1.04	1.04	1.28	163	22	6	6	0.09	
764	6Y112	NAMIN	1	3	5	5	1	7.4	18	1	340	4.3	1.03	1.03	1.03	1.03	1.81	34	45	5	5	0.15	
765	6Y113	NAMIN	1	3	5	5	1	4.1	12	1	75	5.3	0.97	0.97	0.97	0.97	0.91	239	49	4	4	0.22	
766	6Y114	NAMIN	1	3	5	5	2	4.1	12	1	1502	2.0	0.82	0.82	0.82	0.82	0.91	239	49	4	4	0.22	
767	6Y115	TUNDU	1	1	2	2	2	3.1	6	17	0.6	1165	3.5	0.85	0.85	0.85	1.65	430	33	4	4	0.15	
768	6Y116	TUNDU	1	1	2	2	2	2.6	8	14	0.6	2378	1.9	0.26	0.26	0.26	2.11	323	35	5	5	0.17	
769	6Y117	TUNDU	1	1	2	2	2	3.7	10	15	8.2	2204	1.3	0.39	0.39	0.39	2.54	369	40	3	3	0.12	
770	6Y118	TUNDU	1	1	2	2	2	2.6	7	1	1391	1.5	0.39	0.39	0.39	1.25	250	45	5	5	0.16		
771	6Y119	TUNDU	1	1	2	2	2	3.4	10	1	7.4	1084	1.7	0.02	0.02	0.02	1.41	350	45	4	4	0.09	
772	6Y120	TUNDU	1	1	2	2	2	3.3	14	2	8.0	1803	1.8	0.04	0.04	0.04	1.41	697	56	3	3	0.15	
773	6Y121	TUNDU	1	1	2	2	2	4.2	23	2	9.2	3875	2.2	0.04	0.04	0.04	2.68	431	37	4	4	0.21	
774	6Y122	TUNDU	1	1	2	2	2	4.8	17	1	9.2	2612	1.4	0.04	0.04	0.04	2.18	262	49	3	3	0.18	
775	6Y123	TUNDU	1	1	2	2	2	2.2	13	1	6.6	1650	0.6	0.04	0.04	0.04	2.18	262	49	3	3	0.30	
776	6Y124	TUNDU	1	1	2	2	2	2.2	16	1	28.3	5498	0.9	0.04	0.04	0.04	3.10	980	71	4	4	0.21	
777	6Y125	TUNDU	1	1	2	2	2	2.4	13	1	28.1	808	0.4	0.04	0.04	0.04	3.10	618	61	2	2	0.35	
778	6Y126	TUNDU	1	1	2	2	2	2.4	13	1	28.1	808	0.4	0.04	0.04	0.04	4.87	891	65	2	2	0.42	
779	6Y127	TUNDU	1	1	2	2	2	0.5	7	1	9.0	388	0.3	0.04	0.04	0.04	3.90	390	45	3	3	0.09	
780	6Y128	TUNDU	1	1	2	2	2	2.0	20	1	7.3	879	1.6	0.04	0.04	0.04	2.96	461	53	4	4	0.13	
781	6Y129	TUNDU	1	1	2	2	2	2.2	16	1	3.9	804	0.9	0.04	0.04	0.04	0.99	115	30	2	2	0.10	
782	6Y130	TUNDU	1	1	2	2	2	1.9	15	1	11.4	695	1.2	0.04	0.04	0.04	2.52	782	48	2	2	0.07	
783	6Y131	TUNDU	1	1	2	2	2	1.3	11	1	8.3	309	0.6	1.63	1.63	1.63	2.52	782	48	2	2	0.14	
784	6Y132	TUNDU	1	1	2	2	2	5.3	5	1	8.3	309	0.6	1.63	1.63	1.63	0.45	303	45	5	5	0.09	

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	DCC	LCN	CO	CU	OY	EU	F	GA	GE	AU	HF	FE	LA	PB	LI	LU	MG
785	6Y133	TUNDU	1	1	2		2	1	5.4	15		3.2	737	2.0	1.43			2.30	120	35	7		0.30
786	6Y134	TUNDU	1	1	2		2	2	2.1	33			2853	2.3	1.21	2		1.88	221	47	6		0.26
787	6Y135	TUNDU	1	1	2		2	1	8.1	19	1	4.0	2212	1.7	1.10			1.47	154	71	9		0.41
788	6Y136	TUNDU	1	1	2		4	2	3.5	86			3396	14.5				8.24	69	24	22		2.40
789	6Y137	TUNDU	1	1	2		4	2	3.0	78			5361	10.9		2		9.63	178	29	15		0.27
790	6Y138	TUNDU	1	1	2		2	2	1.1	23		7.4	1425	1.1				2.48	440	53	6		0.31
791	6Y139	TUNDU	1	1	2		2	2	3.4	29		5.3	250	2.1		3		0.31	223	40	5		0.38
792	6Y140	TUNDU	1	1	2		2	1	9.7	17		4.9	706	0.8				1.18	721	14	3		0.20
793	6Y141	TUNDU	1	1	2		2	1	6.1	12		8.5	216	0.5				0.31	329	52	7		0.39
794	6Y142	TUNDU	1	1	2		2	2	3.5	16		4.0	1150	1.5	1.00			1.53	444	26	4		0.21
795	6Y143	TUNDU	1	1	2		2	2	2.7	8		7.2	2154	1.7	0.57			2.70	324	39	4		0.19
796	6Y144	TUNDU	1	1	2		2	2	2.8	7		11.0	1410	1.4				1.72	446	44	4		0.13
797	6Y145	TUNDU	1	1	2		2	2	3.5	16		10.4	1216	0.9	1.00			1.00	578	48	4		0.10
798	6Y146	CHILW	1	1	2		1	2	1.4	13	63	106.0	1474	2.5	1.81			7.42	1551	102	2		0.06
799	6Y147	CHILW	1	1	3		1	1	5.8	6	61	4.3	21351	1.4	0.61			8.47	1940	136	5		0.10
800	6Y148	CHILW	1	1	3		1	1	3.8	32	47	135.2	3833	0.9	1.01	3		9.35	1994	70	2		0.15
801	6Y149	CHILW	1	1	3		1	1	3.1	44	55	69.0	1247	1.2	0.80			11.50	2923	98	1		0.18
802	6Y150	CHILW	1	1	3		1	1	2.4	19	39	8.7	5865	2.0		9		10.74	878	53	2		0.10
803	6Y151	CHILW	1	3	2		3	2	9.1	6	37	68.4	26870	2.5		49		47.57	478	44	1		0.25
804	6Y152	CHILW	1	1	2		1	2	9.6	10	43	72.2	1852	1.1		3		7.66	195	24	2		2.77
805	6Y153	CHILW	1	1	2		1	2	8.5	21	51	45.4	1335	0.7		1		2.91	364	29	2		2.99
806	6Y154	CHILW	1	1	2		1	1	7.6	8	3	27.0	1362	2.7	0.31	4		4.30	310	112	1		1.26
807	6Y155	CHILW	1	1	2		1	1	5.4	9	16	73.3	1932	2.6				2.56	395	106	2		0.37
808	6Y156	CHILW	1	1	2		1	1	1.5	13	2	83.8	1650	0.9				4.81	842	64	1		0.50
809	6Y157	CHILW	1	1	2		1	1	5.8	25		80.8	3062	1.4		1		7.71	1511	165	2		0.72
810	6Y158	CHILW	1	1	2		1	1	6.0	8	44	124.0	1570	1.0	0.13	3		3.00	1228	248			0.44
811	6Y159	CHILW	1	1	2		1	1	7.0	9	35	50.4	945	1.0				4.21	1250	222	3		0.55
812	6Y160	CHILW	1	1	2		1	1	5.6	12	1	21.1	421	2.4				5.40	298	73	3		0.37
813	6Y161	CHILW	1	1	2		1	1	3.0	10	30	24.3	5605	4.3				3.54	660	91	6		0.33
814	6Y162	CHILW	1	1	2		1	1	4.0	17	7	22.1	3595	1.5				2.74	715	55	5		0.48
815	6Y163	CHILW	1	1	2		1	1	4.0	5	11	17.4	1858	3.3				3.05	566	46	6		0.75
816	6Y164	CHILW	1	1	2		1	1	5.0	11		10.4	2236	4.1		3		2.18	146	136	4		0.60
817	6Y165	CHILW	1	1	2		1	1	10.3	19		12.3	2902	2.7				2.74	948	152	2		0.42
818	6Y166	CHILW	1	1	2		1	1	7.2	12	5		2624	3.1				0.64	323	109	3		0.53
819	6Y167	CHILW	1	1	2		1	1	8.0	27	10	13.1	1930	4.0				4.58	46	87	4		2.94
820	6Y168	CHILW	1	1	2		1	1	10.2	11	4	4.0	2353	1.7				2.67	119	89	1		0.29
821	6Y169	CHILW	1	1	2		1	1	11.1	5		7.1	2844	3.7				2.38	460	113	2		0.45
822	6Y170	CHILW	1	1	2		1	1	7.6	14		7.9	2100	5.0				2.30	317	24	3		0.30
823	6Y171	CHILW	1	1	2		1	1	4.2	10	2	7.3	3802	3.6				2.19	270	120	1		0.60
824	6Y172	CHILW	1	1	2		1	1	2.7	9	13	7.5	480	6.1	0.35	13		5.88	292	97	5		0.35
825	6Y173	CHILW	1	1	2		1	1	1.7	13	3	10.0	1877	1.8	0.89	1		3.74	111	80	2		0.16
826	6Y174	CHILW	1	1	2		1	1	2.5	7	6	6.2	2628	1.3	0.31	5		2.88	418	68	1		0.12
827	6Y175	CHILW	1	1	2		1	1	3.4	15	8	10.2	1828	2.3				4.59	322	86	2		0.10
828	6Y176	CHILW	1	1	2		1	1	3.0	12	40	15.5	1747	1.5				2.95	785	157	1		0.15
829	6Y177	CHILW	1	1	2		1	1	2.0	4	11	15.9	2448	2.1				2.80	2350	67	2		0.09
830	6Y178	CHILW	1	1	2		1	1	4.1	6		15.6	556	2.9	0.26	4		2.34	208	233	1		0.19
831	6Y179	CHILW	1	1	2		1	1	5.6	17		16.3	1460	2.1		2		2.42	850	47	1		0.08
832	6Y180	CHILW	1	1	2		1	1	1.9	5	54	17.0	1745	2.7				3.71	774	152	1		0.09
833	6Y181	CHILW	1	1	2		1	1	2.2	9	60	20.6	1831	1.2	1.67			3.99	1148	152	1		0.19
834	6Y182	CHILW	1	1	2		1	1	2.0	6	48	14.2	1675	1.7	1.18			4.46	1567	118	2		0.17
835	6Y183	CHILW	1	1	2		1	1	2.2	10	59	18.1	1856	1.1	0.81			1.75	826	148	2		0.13
836	6Y184	CHILW	1	1	2		1	1	2.3	7	48	22.3	1655	1.2	1.30			1.57	931	104	1		0.23
837	6Y185	CHILW	1	1	2		1	1	3.1	9	41	18.4	1934	1.0	1.08			16.93	511	138	3		0.27
838	6Y186	CHILW	1	1	2		1	1	1.7	4	46	23.5	1757	2.0	1.36			6.03	295	135			0.25
839	6Y187	CHILW	1	1	2		1	1	1.8	5	45	18.6	1915	1.0	1.60			3.22	285	138			0.14
840	6Y188	CHILW	1	1	2		1	1	2.8	7	45	21.2	1825	1.4	1.51			5.45	427	131			0.16

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OBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	CO	CU	DY	EU	F	GA	GE	AU	HF	FE	LA	PB	LI	LU	MG
841	6Y189	CHILW	1	1	2		1	1	2-1	9	34	17.3	1830	2.2	0.59			2.83	513	122	2		0.26
842	6Y190	CHILW	1	1	2		1	1	2.0	7	21	8.6	2050	5.6	0.09			3.66	216	62	5		0.29
843	6Y191	CHILW	1	1	2		1	1	5.2	9	45	18.4	2199	1.3	0.48			4.89	464	52	2		0.09
844	6Y192	CHILW	1	1	2		1	2	3.1	7	30	14.3	900	4.2	0.65			2.65	293	73	4		0.23
845	6Y193	CHILW	1	1	2		1	2	1.9	10	20	22.9	365	0.5	0.47			1.76	381	37	2		0.20
846	6Y194	CHILW	1	1	2		1	1	0.9	8	16	7.1	360	0.5	0.22			0.70	277	43	1		0.14
847	6Y195	CHILW	1	1	2		1	1	3.1	7	5	9.2	377	1.8	0.72			4.68	390	53	5		0.15
848	6Y196	CHILW	1	1	2		1	1	1.6	6		12.3	521	4.7	0.36			1.57	234	22	4		0.25
849	6Y197	CHIKA	1	2			3	1	1.3	9		5.7	989	5.3	1.40			2.86	66	33	11		0.59
850	6Y198	CHIKA	1	3			1	1	2.8	10		9.8	914	0.8	1.21			9.66	65	39	9		4.16
851	6Y199	MNGO	1	2			4	1	3.7	5		4.8	11.0	1.72	6			2.17	10	24	8		0.12
852	6Y200	MNGO	1	2			4	2	3.9	13		21.6	1145	2.6	0.74			3.01	783	41	8		0.47
853	6Y201	KANGA	1	1			1	1	5.4	9		14.2	2123	1.7	0.43			13.94	5580	48	6		4.55
854	6Y202	KANGA	1	1			1	1	5.0	8		13.5	1778	5.2	1.32			4.961	4961	32	5		4.57
855	6Y203	KANGA	1	1			1	1	5.3	11		16.4	1958	4.4	1.69			8.05	6180	49	6		4.33
856	6Y204	KANGA	1	1			1	1	4.9	8		13.2	1785	3.9	1.88			7.43	3922	32	4		4.28
857	6Y205	KANGA	1	1			1	1	5.1	7		12.1	2074	5.2	1.19			5.35	4755	46	5		4.60
858	6Y206	KANGA	1	1			1	1	3.1	11		17.6	1786	5.0	1.55			8.39	3567	57	7		4.32
859	6Y207	KANGA	1	1			1	1	5.0	13		9.6	1997	5.5	2.00			7.31	5383	41	4		4.35
860	6Y208	KANGA	1	1			1	1	4.0	7		10.0	1954	5.3	2.03			6.76	4811	30	4		4.52
861	6Y209	KANGA	1	1			1	1	4.8	9		12.2	1932	5.5	1.62			7.50	5577	37	5		4.21
862	6Y210	KANGA	1	1			1	1	5.2	10		16.1	1689	6.0	1.87			6.93	6338	21	6		4.50
863	6Y211	KANGA	1	1			1	1	4.2	8		14.2	2107	5.0	2.96			6.99	5801	28	6		4.05
864	6Y212	KANGA	1	1			1	1	4.0	7		12.0	1954	5.3	2.03			9.50	4395	26	3		4.45
865	6Y213	KANGA	1	1			1	1	4.3	6		12.1	1667	3.1	1.84			8.96	4773	33	5		4.15
866	6Y214	KANGA	1	1			1	1	3.9	8		15.3	1764	3.8	1.64			11.63	5491	27	6		4.20
867	6Y215	KANGA	1	1			1	1	4.4	7		9.2	1675	3.1	1.81			11.45	4235	22	5		4.24
868	6Y216	KANGA	1	1			1	1	4.5	10		7.7	2004	4.1	1.97			15.70	4761	23	7		4.16
869	6Y217	KANGA	1	1			1	1	3.2	6		9.8	1823	5.1	1.90			4.85	3921	56	8		4.87
870	6Y218	KANGA	1	1			1	1	4.0	11		12.0	1678	4.5	1.97			8.13	4463	44	7		4.35
871	6Y219	KANGA	1	1			1	1	4.8	7		7.4	1725	6.5	1.46			5.36	4095	48	7		4.12
872	6Y220	KANGA	1	1			1	1	2.9	6		10.2	1603	5.8	1.85			8.45	2913	32	10		4.03
873	6Y221	KANGA	1	1			1	1	5.1	6		17.3	1776	6.4	2.17			7.65	3087	42	8		4.25
874	6Y222	KANGA	1	1			1	1	4.1	7		17.4	1654	4.9	1.85			7.09	2781	37	9		4.14
875	6Y223	KANGA	1	1			1	1	4.1	6		12.6	1815	5.4	1.67			5.16	3618	34	10		4.00
876	6Y224	KANGA	1	1			1	1	4.7	9		18.5	1606	3.8	1.91			13.21	4450	43	11		3.82
877	6Y225	KANGA	1	1			1	1	4.0	8		26.1	1556	4.8	1.50			12.78	3167	46	10		3.93
878	6Y226	KANGA	1	1			1	1	3.1	11		15.2	1743	2.2	1.53			9.47	4538	43	8		4.10
879	6Y227	KANGA	1	1			1	1	4.2	8		21.4	1823	2.2	1.29			2.57	8093	39	9		4.06
880	6Y228	KANGA	1	1			1	1	4.6	7		30.4	1820	3.0	1.82			4.69	6875	42	5		3.96
881	6Y229	KANGA	1	1			1	1	4.6	7		24.6	1965	2.0	1.44			7.42	8650	51	9		3.96
882	6Y230	KANGA	1	1			1	1	5.1	11		31.3	1700	2.3	1.62			5.41	9567	29	11		4.07
883	6Y231	KANGA	1	1			1	1	4.5	7		37.3	1927	2.8	1.23			4.53	18142	43	9		3.88
884	6Y232	KANGA	1	1			1	1	4.2	5		64.1	3439	5.6	1.50			8.48	14233	38	11		4.10
885	6Y233	KANGA	1	1			1	1	5.1	22		64.1	3439	5.6	1.50			22.97	24811	81	10		3.75
886	6Y234	KANGA	1	1			1	1	4.9	8		31.5	927	3.9	0.99			5.99	3166	46	7		3.76
887	6Y235	KANGA	1	1			1	1	4.2	24		25.0	1411	6.1	1.67			25.44	31255	90	12		3.50
888	6Y236	KANGA	1	1			1	1	4.6	7		29.6	715	3.3	1.87			9.89	6803	49	9		3.68
889	6Y237	KANGA	1	1			1	1	4.6	6		24.3	563	2.0	1.44			6.48	7225	58	7		3.74
890	6Y238	KANGA	1	1			1	1	3.3	7		28.6	432	1.8	2.03			9.54	4429	52	8		3.58
891	6Y239	KANGA	1	1			1	1	4.2	7		15.7	520	2.1	1.68			5.88	5086	58	6		3.55
892	6Y240	KANGA	1	1			1	1	5.0	11		21.2	405	0.7	2.07			7.93	3473	50	9		4.00
893	6Y241	KANGA	1	1			1	1	4.5	10		23.1	415	0.8	3.47			11.98	4738	56	14		3.55
894	6Y242	KANGA	1	1			1	1	4.8	8		20.6	570	1.4	1.81			8.18	4115	70	10		3.00
895	6Y243	KANGA	1	1			1	1	5.2	8		25.6	733	1.2	1.94			9.90	5660	62	10		3.77
896	6Y244	KANGA	1	1			1	1	4.4	7		17.6	690	1.0	1.34			8.35	4869	54	7		4.18

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DBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	CO	CU	DY	EU	F	GA	GE	AU	HF	FE	LA	PB	LI	LU	MG
897	6Y245	KANGA	1	1	3	1	1	1	4.5	9	22.0	895	0.6	1.76	11.04	79	79	5323	79	7	7	3.80	
898	6Y246	KANGA	1	1	3	1	1	1	16.3	17	47.2	4246	5.2	0.88	19.45	72	72	9639	72	5	5	0.36	
899	6Y247	KANGA	1	1	3	1	1	1	3.2	20	56.3	3954	5.4	0.67	23.29	86	86	21769	86	4	4	0.38	
900	6Y248	KANGA	1	1	3	1	1	1	3.0	6	43.2	413	1.5		2.45	72	72	26202	72	12	12	6.73	
901	6Y249	KANGA	1	1	3	1	1	1	5.6	8	27.1	715	0.8	0.90	5.43	33	33	8631	33	7	7	5.37	
902	6Y250	KANGA	1	1	3	1	1	1	5.7	6	22.4	613	1.2	0.71	10.55	51	51	6356	51	6	6	5.10	
903	6Y251	KANGA	1	1	3	1	1	1	6.2	8	29.2	1339	0.8	0.48	10.18	39	39	7792	39	6	6	5.47	
904	6Y252	KANGA	1	1	3	1	1	1	5.5	7	23.6	826	0.7	1.11	8.73	46	46	7338	46	7	7	4.88	
905	6Y253	KANGA	1	1	3	1	1	1	3.0	17	43.7	3878	6.5	0.82	19.76	37	37	18381	37	11	11	0.25	
906	6Y254	KANGA	1	1	3	1	1	1	6.3	10	33.2	3447	1.9	0.94	9.03	81	81	11636	81	6	6	4.67	
907	6Y255	KANGA	1	1	3	1	1	1	7.6	8	43.6	3154	1.3	1.70	10.28	54	54	10337	54	5	5	4.45	
908	6Y256	KANGA	1	1	3	1	1	1	7.5	6	37.5	3059	1.3	1.21	9.00	49	49	9765	49	4	4	4.80	
909	6Y257	KANGA	1	1	3	1	1	1	7.0	6	41.2	3545	1.7	1.25	9.08	29	29	10731	29	7	7	4.78	
910	6Y258	KANGA	1	1	3	1	1	1	7.2	9	38.7	3175	1.3	0.95	7.81	40	40	10085	40	6	6	4.85	
911	6Y259	KANGA	1	1	3	1	1	1	8.2	12	49.9	3500	1.1	1.56	4.93	24	24	13537	24	6	6	4.45	
912	6Y260	KANGA	1	1	3	1	1	1	7.6	12	48.3	3651	1.8	1.84	5.58	54	54	10522	54	4	4	4.55	
913	6Y261	KANGA	1	1	3	1	1	1	8.3	17	57.5	3802	1.2	1.75	5.92	60	60	13295	60	5	5	4.25	
914	6Y262	KANGA	1	1	3	1	1	1	8.4	13	56.4	3255	1.5	1.43	9.31	48	48	10339	48	7	7	4.06	
915	6Y263	KANGA	1	1	3	1	1	1	9.2	13	54.5	3500	0.9	1.62	11.78	52	52	11529	52	6	6	4.34	
916	6Y264	KANGA	1	1	3	1	1	1	8.2	13	46.2	3314	0.7	1.90	4.96	48	48	7581	48	5	5	4.57	
917	6Y265	KANGA	1	1	3	1	1	1	9.5	11	49.6	3673	1.1	1.24	6.13	55	55	8233	55	6	6	4.47	
918	6Y266	KANGA	1	1	3	1	1	1	9.3	12	39.4	3530	0.9	1.55	6.82	59	59	5418	59	7	7	4.49	
919	6Y267	KANGA	1	1	3	1	1	1	9.6	9	44.2	3802	1.2	1.85	5.35	61	61	6493	61	5	5	4.07	
920	6Y268	KANGA	1	1	3	1	1	1	9.2	8	38.6	3656	0.8	1.41	5.35	50	50	7338	50	5	5	4.30	
921	6Y269	KANGA	1	1	3	1	1	1	9.3	8	26.3	3805	1.1	1.39	9.63	57	57	2337	57	6	6	3.75	
922	6Y270	KANGA	1	1	3	1	1	1	9.6	9	39.8	3367	1.4	1.63	9.75	55	55	5081	55	5	5	4.25	
923	6Y271	KANGA	1	1	3	1	1	1	10.1	10	34.6	3125	1.7	1.30	10.28	56	56	3516	56	6	6	4.00	
924	6Y272	KANGA	1	1	3	1	1	1	9.8	8	29.3	2343	1.1	1.61	8.85	49	49	3827	49	4	4	4.14	
925	6Y273	KANGA	1	1	3	1	1	1	9.6	12	33.4	3678	2.3	1.97	8.93	60	60	2981	60	4	4	3.85	
926	6Y274	KANGA	1	1	3	1	1	1	10.2	9	32.5	3879	1.3	1.44	11.11	54	54	3468	54	5	5	3.97	
927	6Y275	KANGA	1	1	3	1	1	1	9.7	8	34.2	3750	1.3	1.15	10.20	45	45	2313	45	4	4	3.86	
928	6Y276	KANGA	1	1	3	1	1	1	10.3	10	48.3	3345	2.0	0.56	10.27	63	63	5365	63	2	2	2.23	
929	6Y277	KANGA	1	1	3	1	1	1	7.3	9	37.4	3510	1.5	0.39	9.19	39	39	1573	39	1	1	4.20	
930	6Y278	KANGA	1	1	3	1	1	1	8.2	13	30.8	3725	1.1	1.46	10.58	41	41	2105	41	2	2	4.06	
931	6Y279	KANGA	1	1	3	1	1	1	9.3	10	34.7	3218	2.2	1.61	11.17	45	45	2327	45	2	2	4.18	
932	6Y280	KANGA	1	1	3	1	1	1	9.9	8	45.6	3754	1.4	1.32	8.40	33	33	2118	33	3	3	3.97	
933	6Y281	KANGA	1	1	3	1	1	1	11.1	13	36.3	3999	1.8	0.35	10.80	39	39	1533	39	1	1	4.20	
934	6Y282	KANGA	1	1	3	1	1	1	9.2	12	22.6	3417	2.9	1.42	11.25	44	44	2070	44	2	2	4.13	
935	6Y283	KANGA	1	1	3	1	1	1	10.1	12	28.4	3615	1.5	1.48	9.05	34	34	1621	34	1	1	4.24	
936	6Y284	KANGA	1	1	3	1	1	1	9.4	9	27.1	3874	0.7	1.26	7.12	28	28	2573	28	1	1	4.40	
937	6Y285	KANGA	1	1	3	1	1	1	10.3	8	18.3	3851	1.2	1.61	12.72	24	24	3366	24	2	2	3.95	
938	6Y286	KANGA	1	1	3	1	1	1	9.6	11	29.2	3494	0.7	1.06	10.33	37	37	5977	37	1	1	3.80	
939	6Y287	KANGA	1	1	3	1	1	1	8.4	9	25.7	3010	1.1	0.93	10.33	49	49	3369	49	3	3	4.40	
940	6Y288	KANGA	1	1	3	1	1	1	7.2	12	29.6	3256	1.1	1.42	6.49	39	39	3208	39	3	3	4.13	
941	6Y289	KANGA	1	1	3	1	1	1	8.4	9	23.1	3246	1.0	1.79	9.10	47	47	3755	47	2	2	4.53	
942	6Y290	KANGA	1	1	3	1	1	1	9.0	8	27.3	3278	1.6	1.89	10.33	38	38	2771	38	3	3	4.17	
943	6Y291	KANGA	1	1	3	1	1	1	8.4	7	13.8	3497	1.3	1.25	8.49	45	45	3295	45	4	4	4.27	
944	6Y292	KANGA	1	1	3	1	1	1	3.1	9	17.2	3151	0.8	0.99	8.91	51	51	2818	51	2	2	4.40	
945	6Y293	KANGA	1	1	3	1	1	1	7.7	12	13.1	2900	1.7	1.27	7.30	37	37	2333	37	1	1	4.00	
946	6Y294	KANGA	1	1	3	1	1	1	3.3	13	32.4	3254	1.4	1.41	9.21	44	44	2777	44	2	2	4.25	
947	6Y295	KANGA	1	1	3	1	1	1	7.0	12	16.6	2850	2.5	1.13	7.09	49	49	2083	49	1	1	3.85	
948	6Y296	KANGA	1	1	3	1	1	1	7.5	9	15.3	3057	1.9	1.33	8.86	48	48	2414	48	2	2	4.57	
949	6Y297	KANGA	1	1	3	1	1	1	6.5	8	13.4	2771	2.3	1.62	8.35	57	57	3155	57	2	2	4.70	
950	6Y298	KANGA	1	1	3	1	1	1	2.9	12	15.2	2958	3.1	0.76	8.65	35	35	3638	35	2	2	4.33	
951	6Y299	KANGA	1	1	3	1	1	1	7.7	13	11.4	2907	2.6	1.03	10.64	46	46	2933	46	3	3	4.21	
952	6Y300	KANGA	1	1	3	1	1	1	8.2	11	9.3	2316	1.6	1.32	9.34	48	48	2003	48	2	2	4.65	

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OBS	NO	SECTOR	RS	RK	RK2	ALT	OC	LCN	CO	CU	DY	EU	F	GA	GE	AU	HF	FE	LA	PB	LI	LU	MG
953	6Y301	KANGA	1	1	3			1	7.1	15		7.3	2664	2.0	1.01			10.01	2237	50			4.75
954	6Y302	KANGA	1	1	3			1	6.5	16		9.2	2750	2.3	1.67			8.76	1835	54			4.32
955	6Y303	KANGA	1	1	1			1	6.8	13		4.1	2602	2.2	1.35			8.37	2361	48			4.35
956	6Y304	KANGA	1	1	1			1	6.2	15		4.7	2811	1.6	1.10			6.11	1895	54			4.34
957	6Y305	KANGA	1	1	3			1	7.0	11		3.2	2994	1.3	1.10			8.48	2578	48			4.45
958	6Y306	KANGA	1	1	3			1	7.9	10		9.4	3352	1.6	1.19			5.92	3539	42			5.68
959	6Y307	KANGA	1	1	3			1	7.4	8		5.5	2778	1.2	1.43			8.46	4118	27			4.03
960	6Y308	KANGA	1	1	3			1	7.7	11		7.6	2972	4.5	0.43			6.43	5670	57			3.61
961	6Y309	KANGA	1	1	3			1	7.8	7		22.1	2185	4.7	0.19			6.43	5670	57			4.16
962	6Y310	KANGA	1	1	3			1	7.5	9		15.6	1678	0.7	0.59			5.23	6531	52			3.95
963	6Y311	KANGA	1	1	1			1	5.2	9		21.4	1544	0.6	0.17			6.50	6884	56			3.78
964	6Y312	KANGA	1	1	1			1	6.3	11		14.5	2803	1.3	0.46			7.61	4193	31			3.50
965	6Y313	KANGA	1	1	3			1	5.3	9		18.7	2373	3.9	0.57			7.19	5188	58			3.94
966	6Y314	KANGA	1	1	3			1	6.1	9		20.3	2115	1.6	0.67			6.37	4839	49			4.00
967	6Y315	KANGA	1	1	3			1	5.8	11		11.4	2654	1.3	0.35			6.73	4471	35			3.43
968	6Y316	KANGA	1	1	3			1	6.6	6		10.3	2930	4.4	0.43			7.33	4318	23			3.50
969	6Y317	KANGA	1	1	3			1	7.2	13		24.4	2143	6.8	1.02			7.67	5195	55			3.59
970	6Y318	KANGA	1	1	3			1	9.4	6		12.1	876	3.6	1.11			5.97	4083	41			4.05
971	6Y319	KANGA	1	1	3			1	8.9	7		11.4	760	4.6	0.94			10.57	3729	37			3.85
972	6Y320	KANGA	1	1	3			1	10.2	10		8.6	843	4.0	1.09			8.39	3318	46			4.30
973	6Y321	KANGA	1	1	3			1	8.7	7		12.2	574	5.1	1.27			7.86	4222	39			4.42
974	6Y322	KANGA	1	1	3			1	8.9	10		10.6	867	3.6	1.15			7.98	3934	36			3.92
975	6Y323	KANGA	1	1	3			1	9.6	7		14.3	974	4.1	0.79			6.17	3627	42			4.12
976	6Y324	KANGA	1	1	3			1	10.9	8		23.7	3359	7.5	0.48			12.09	4568	49			0.32
977	6Y325	KANGA	1	1	3			1	13.2	9		18.1	3678	4.3	1.04			7.21	3885	35			3.52
978	6Y326	KANGA	1	1	3			1	13.1	14		25.6	3778	4.0	1.70			9.81	3403	44			3.27
979	6Y327	KANGA	1	1	3			1	9.6	12		22.1	3076	3.2	1.39			9.94	2861	50			3.60
980	6Y328	KANGA	1	1	3			1	14.2	13		26.5	2419	5.9	1.87			10.17	1675	54			3.72
981	6Y329	KANGA	1	1	3			1	12.2	10		13.4	3724	4.3	1.18			9.71	2001	45			3.60
982	6Y330	KANGA	1	1	3			1	9.6	11		16.3	4135	3.3	1.31			8.79	2518	48			2.93
983	6Y331	KANGA	1	1	3			1	11.7	13		25.3	5332	3.8	2.08			9.49	2917	32			3.22
984	6Y332	KANGA	1	1	3			1	13.1	14		28.3	3137	4.1	1.91			12.16	2830	49			3.85
985	6Y333	KANGA	1	1	3			1	10.9	13		25.6	3778	4.0	1.70			8.53	3109	53			4.08
986	6Y334	KANGA	1	1	3			1	9.8	16		19.2	2786	3.3	1.59			9.94	2861	50			3.60
987	6Y335	KANGA	1	1	3			1	14.3	13		22.1	3076	3.2	1.39			10.17	1675	54			3.72
988	6Y336	KANGA	1	1	3			1	11.1	12		26.5	2419	5.9	1.87			9.71	2001	45			3.60
989	6Y337	KANGA	1	1	3			1	18.2	23		31.1	3414	3.6	1.96			10.00	5239	52			2.35
990	6Y338	KANGA	1	1	3			1	12.1	18		14.7	3451	4.3	1.63			6.11	2110	35			3.56
991	6Y339	KAPIR	1	3	3			3	9.2	78		9.6	2325	2.6	1.17			5.62	2735	1			4.52
992	6Y340	KAPIR	1	3	3			3	18.1	100		11.2	2700	2.6	1.52			7.71	433	41			4.93
993	6Y341	KAPIR	1	1	1			1	12.2	85		12.6	2501	3.7	1.84			9.52	178	32			4.90
994	6Y342	KAPIR	1	1	1			1	14.6	17		23.5	2550	3.5	1.61			10.83	1161	41			3.13
995	6Y343	KAPIR	1	2	5			5	9.7	67		10.3	995	4.5	1.56			8.42	173	34			1.15
996	6Y344	KAPIR	1	2	2			2	13.0	15		5.6	2340	3.9	1.01			8.39	113	29			3.02
997	6Y345	KAPIR	1	2	2			2	17.7	14		5.6	1815	2.9	1.29			8.61	931	38			3.50
998	6Y346	KAPIR	1	2	2			2	34.8	71		7.4	1032	6.7	2.91			11.88	133	22			0.50
999	6Y347	KAPIR	1	2	2			2	18.1	75		9.5	1451	3.3	2.00			7.65	315	18			3.72
1000	6Y348	NSALA	1	5	5			5	9.4	71		8.6	2457	5.3	2.07			5.96	1085	42			4.52
1001	6Y349	NSALA	1	3	3			3	15.4	19		13.3	1564	3.8	1.66			7.40	283	35			3.77
1002	6Y350	NSALA	1	3	3			3	21.7	48		11.2	2217	4.9	1.63			6.80	119	88			1.11
1003	6Y351	NSALA	1	3	3			3	6.6	26		16.8	1955	6.0	1.48			6.39	346	69			1.07
1004	6Y352	NSALA	1	3	3			3	5.1	26		20.6	2234	5.4	1.72			1.08	493	51			3.55
1005	6Y353	NSALA	1	3	3			3	3.7	20		6.2	1609	4.5	1.32			4.18	324	51			3.80
1006	6Y354	NSALA	1	3	3			3	4.4	26		3.6	2110	7.1	1.36			4.51	501	66			3.08
1007	6Y355	NSALA	1	3	3			3	2.7	23		1.5	1125	8.3	1.23			2.57	99	55			0.46
1008	6Y356	NSALA	1	3	3			3															

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	CO	CU	DY	EU	F	GA	GE	AU	HF	FE	LA	PB	LI	LU	MG
1009	6Y357	NSALA	1	3			5	1	3.1	16		5.3	514	6.9	1.53			0.91	316	44	5		0.08
1010	6Y358	NSALA	1	3			5	1	2.2	19	5	2.3	2077	5.0	1.20			5.52	593	52	11		3.17
1011	6Y359	NSALA	1	3			5	1	2.5	13	3	4.5	2345	5.2	1.23			5.31	387	43	10		0.19
1012	6Y360	NSALA	1	3			1	1	2.1	17		6.2	516	4.2	3.10			1.66	105	60	22		0.12

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

DBS	NO.	SECTOR	RS	RK	RK2	ALT	OCC	LCN	MN	HG	MO	ND	NI	NB	P	K	RB	SM	SC	SE	SI	AG
1	6H001	TUNDU	1	1	2		4	2	3481	572	3	837	3.3	1145	45601	0.42	12	97.4	3		3.52	0.17
2	6H002	TUNDU	1	1	2		1	2	5025	282	5	488	3.6	52	3125	0.16		55.3		2	0.29	
3	6H003	TUNDU	1	1	2		1	2	5094	453	1	601	2.6	18	3276	0.09	3	77.8		4	0.22	
4	6H004	TUNDU	1	1	2		1	1	5610	196		687	2.2	31	3157	0.06		77.7			0.16	
5	6H005	TUNDU	1	1	2		1	1	22581	268	4	2628	2.6	49	1019	0.02		456.6			0.07	
6	6H006	TUNDU	1	1	2		1	1	2084	216	34	3166	2.4	47	353	0.23	3	407.1			1.97	
7	6H007	TUNDU	1	1	2		1	2	14112	302	8	2935	2.0	509	113	0.08		389.1		2	0.37	
8	6H008	TUNDU	1	1	2		4	1	5031	1354	16	186	4.4	212	2130	3.60	162	26.8		9	9.39	
9	6H009	TUNDU	1	1	2		4	1	16509	562	17	2952	4.6	80	11790	0.29	4	125.6		1	5.46	
10	6H010	TUNDU	1	1	2		1	2	28415	188	17	717	6.1	416	16656	0.30	5	247.9		2	2.08	
11	6H011	TUNDU	1	1	2		1	2	33828	232	131	1993	4.1	79	1009	0.10	2	239.2		3	0.48	
12	6H012	TUNDU	1	1	2		1	1	14755	394	38	653	4.2	584	9595	6.10	275	110.2			13.68	
13	6H013	TUNDU	1	1	2		1	2	1816	181	69	364	2.8	275	675	1.31	45	84.3			3.48	0.11
14	6H014	TUNDU	1	1	2		1	2	10409	253	11	493	5.8	122	2315	4.90	167	92.1			8.27	
15	6H015	TUNDU	1	1	2		3	1	13261	611	47	813	10.8	93	830	0.61	15	101.6			2.05	
16	6H016	TUNDU	1	1	2		1	2	12016	456	6	539	5.3	36	7340	0.33	9	95.4			0.87	
17	6H017	TUNDU	1	1	2		1	2	15410	263	3	1767	2.0	87	494	0.07		279.4			0.62	
18	6H018	TUNDU	1	1	2		3	2	12208	326	30	597	11.2	81	1834	0.73	29	101.9		4	3.29	0.11
19	6H019	TUNDU	1	1	2		1	1	16510	201	11	981	3.9	121	555	0.20		150.6		5	0.90	
20	6H020	TUNDU	1	1	2		1	1	6530	226	7	1091	5.1	25	56	0.02		138.1			0.15	
21	6H021	NKALO	1	1	2		3	2	5073	103	5		1.8	17	239	0.04		0.4			0.70	0.11
22	6H022	NKALO	1	1	2		3	2	5189	105		31	2.8	21	50	0.05					2.18	
23	6H023	NKALO	1	1	2		3	2	11696	82	3		1.0	52	7486	0.16	8	72.1		2	1.58	0.13
24	6H024	NKALO	1	1	2		3	1	8777	162	2	51	1.7	26	5544	0.22	9	78.1		1	1.45	
25	6H025	NKALO	1	1	2		3	1	8305	192	3	143	1.3	40	2147	0.32	17	69.6		1	2.06	0.20
26	6H026	NKALO	1	1	2		3	2	12116	110	20	67	1.9	16	371	0.25	7	79.4		1	3.02	0.20
27	6H027	NKALO	1	2	2		4	1	1931	176	20	21	11.7	203	3158	6.04	328	31.5		4	21.22	
28	6H028	NKALO	1	2	2		4	2	1106	452	196	19	5.6	158	2142	7.56	321	1.0	13	1	22.79	
29	6H029	NKALO	1	2	2		4	1	5922	443	54	56	5.5	160	2440	7.26	551	33.1		3	23.43	
30	6H030	NKALO	1	2	2		4	1	1934	142	19	71	6.2	159	1139	9.49	730	19.2		3	23.43	
31	6H031	NKALO	1	2	2		4	1	1934	142	19	71	6.2	159	1139	9.49	730	19.2		3	23.43	
32	6H032	NKALO	1	1	2		3	2	17203	626	6	146	10.3	90	76014	5.67	342	311.3		1	25.66	0.27
33	6H033	NKALO	1	1	2		3	2	18937	101	4	88	1.6	52	364	0.14	5	148.2		1	0.79	0.15
34	6H034	NKALO	1	1	2		3	2	10188	123	3	180	3.0	235	5016	0.45	26	50.0		1	1.72	0.14
35	6H035	NKALO	1	1	2		3	2	8642	168	10	235	4.9	322	8060	0.35	26	54.0		1	2.69	0.24
36	6H036	NKALO	1	1	2		3	2	4599	136		186	8.3	480	6340	6.16	485	21.2		1	24.17	0.13
37	6H037	NKALO	1	1	2		3	2	26148	111	3	274	2.0	163	2740	0.26	11	125.1		2	1.69	0.31
38	6H038	NKALO	1	1	2		3	2	11632	106		350	1.1	35	1274	0.18	5	62.3		1	0.43	0.15
39	6H039	NKALO	1	1	2		3	2	21262	135		282	1.9	35	1274	0.18	5	116.3		1	0.74	0.85
40	6H040	NKALO	1	1	2		3	2	25833	355		252	1.5	280	3501	0.20	6	138.8		2	1.10	0.36
41	6H041	NKALO	1	1	2		3	2	7322	761	25	415	0.7	3	3302	0.04		36.4		10	0.51	0.18
42	6H042	NKALO	1	1	2		3	1	7098	183	10	171	6.5	13	6353	9.44	759	16.5		1	24.08	0.15
43	6H043	NKALO	1	1	2		3	2	8608	103	15	270	1.4	30	4002	0.04		78.1		4	0.83	
44	6H044	NKALO	1	1	2		3	1	12755	191	17	480	1.3	30	3958	0.05		89.3		2	0.66	
45	6H045	NKALO	1	1	2		3	2	10109	320	8	532	1.4	24	4322	0.04		64.3			0.66	
46	6H046	NKALO	1	1	2		3	2	8097	254	31	433	1.5	38	3155	0.02		120.1			1.11	
47	6H047	NKALO	1	1	2		3	2	10118	111	40	509	1.5	18	3560	0.03		60.4		2	0.14	
48	6H048	NKALO	1	1	2		3	1	5935	83	20	275	1.2	37	4003	0.03		99.3		4	0.83	
49	6H049	NKALO	1	1	2		3	2	12115	326	11	582	0.9	59	3553	0.01		16.5		1	0.46	
50	6H050	NKALO	1	1	2		3	2	12873	556	10	540	0.8	3	4421	0.04		78.9		1	0.46	
51	6H051	NKALO	1	1	2		3	1	10685	411	8	521	2.0	48	3372	0.05		55.5		1	0.62	
52	6H052	NKALO	1	1	2		3	2	16589	136	7	461	1.7	48	5137	0.02		107.8		1	3.80	
53	6H053	NKALO	1	1	2		3	1	16258	716	5	542	9.4	31	7688	0.04		32.4			19.20	
54	6H054	NKALO	1	1	2		3	1	24738	546	4	1252	5.5	30	2503	0.14		29.7			1.51	0.64
55	6H055	NKALO	1	1	2		3	2	16411	328	2	481	2.5	10	4055	0.19		89.9		2	1.19	0.32
56	6H056	NKALO	1	1	2		3	1	15890	658		698	3.5	7	5105	0.55	22	89.9		1	1.55	0.54

## GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	MN	HG	MO	ND	NI	NB	P	K	RB	SM	SC	SE	SI	AG
57	6H057	NKALO	1	1			3	1	16108	546	15	1321	2.6	12	14035	0.02		23.1	3		7.42	
58	6H058	NKALO	1	1			3	2	18053	721	20	605	2.4	16	2053	0.07		104.2	2		8.15	0.21
59	6H059	NKALO	1	1			3	1	17679	613	4	1360	4.5	11	3025	0.04		41.2			8.64	0.62
60	6H060	NKALO	1	1			3	1	20271	1713	3	956	2.8	27	4325	0.05		28.1			5.09	0.21
61	6H061	NKALO	1	1			3	2	17521	976	2	1029	2.5	22	1004	0.02		81.1	1		4.02	0.41
62	6H062	NKALO	1	1			3	2	20397	753	1	1287	4.2	12	4552	0.03		84.9			10.06	0.44
63	6H063	NKALO	1	1			3	1	12127	1072		981	4.5	14	5023	0.01		0.4	1		11.31	0.35
64	6H064	NKALO	1	1			3	1	18465	876	2	173	7.0	9	6135	0.01		12.1	4		14.44	0.25
65	6H065	NKALO	1	1			3	2	20091	811	1	345	3.2	16	3905	0.02		59.8	2		9.72	0.45
66	6H066	NKALO	1	1			3	2	15808	906	4	1430	3.6	5	5032	0.02		48.6			4.96	0.23
67	6H067	NKALO	1	2			4	2	1269	1091	5	475	18.2	4	1533	1.85	17	62.5	1		22.70	0.21
68	6H068	NKALO	1	2			4	2	1184	1226		689	14.9	21	3503	10.58	81	4.9			24.45	0.21
69	6H069	SALAM	1	2			4	2	72	854	11	11	17.3	8	4035	1.73	8	6.2			33.93	0.18
70	6H070	SALAM	1	2			4	2	92	755	7		11.8	16	2672	5.47	47	6.8	2		31.19	
71	6H071	SALAM	1	2			4	1	48	743	2	6	12.0	3	3105	1.70	9	0.3			30.89	0.13
72	6H072	SALAM	1	2			4	1	60	764	3		12.2	10	2552	1.12	2	3.4	2		30.85	
73	6H073	SALAM	1	2			4	1	1328	973	4	159	56.1	182	2025	3.16	23		4		24.07	0.18
74	6H074	SALAM	1	2			4	2	93	803	3	5	8.3	12	3003	3.14	18	2.1	4		28.86	
75	6H075	SALAM	1	2			4	2	493	1216	4	27	11.0	18	4125	3.55	16		4		25.89	0.23
76	6H076	SALAM	1	2			4	2	5014	1092	22	81	9.7	6	3155	10.12	101	6.9	3		23.73	0.26
77	6H077	SALAM	1	2			4	2	1201	886	1	142	7.6	66	5132	9.14	98	14.2	4		24.24	0.19
78	6H078	SALAM	1	2			4	1	1829	865	1	261	9.6	38	5935	5.43	57	23.9			25.14	0.26
79	6H079	SALAM	1	2			4	1	4052	1816	1	398	10.0	79	3600	10.42	107	3.5	4		23.64	0.17
80	6H080	SALAM	1	2			4	1	9379	758	14	92	1.8	80	4531	0.14		21.6	9		1.15	0.10
81	6H081	SALAM	1	2			4	1	4490	104	3	360	9.7	310	5505	8.79	667				25.25	0.14
82	6H082	SALAM	1	2			4	1	5	135	5	351	24.2	82	552	0.10		18.6	7		44.96	0.08
83	6H083	SALAM	1	2			4	2	56	165	15	205	10.8	157	5998	5.28	314	8.9	10		30.49	0.04
84	6H084	SALAM	1	2			4	2	6833	175	25	12	18.0	23	5311	9.71	732	45.4			24.54	0.18
85	6H085	SALAM	1	2			4	1	6333	654	23	75	14.7	87	6633	8.60	659	27.7	2		23.10	0.06
86	6H086	SALAM	1	2			4	1	6676	115	32	8	15.9	95	5002	8.85	678	13.9	1		24.01	0.12
87	6H087	SALAM	1	2			4	1	29	91	14			70	4531	1.53	35	19.9	4		30.04	0.08
88	6H088	SALAM	1	2			4	2	4856	184	11	87	10.0	76	5113	7.96	678	31.6	10		24.37	0.02
89	6H089	SALAM	1	3			3	5	2842	566	6	125	5.5	82	8102	3.86	624	12.4	2		22.72	
90	6H090	CHIPA	1	2			5	2	3889	215		362	8.0	224	6933	6.10	586	17.3	6		23.75	
91	6H091	CHIPA	1	2			5	1	7824	177	10	306	23.5	197	6273	5.34	505	29.9	13		21.91	0.16
92	6H092	CHIPA	1	2			5	1	1322	182	8	168	7.1	102	5582	4.97	457	35.1	6		23.34	0.20
93	6H093	CHIPA	1	2			5	1	3553	188	8	6	13.5	70	4667	4.85	529	2.2	2		24.10	0.04
94	6H094	CHIPA	1	2			5	2	4409	105	5		9.4	112	6123	5.59	590	7.7			24.80	0.12
95	6H095	CHIPA	1	2			5	2	4409	105	5		9.4	112	6123	5.59	590	7.7			24.04	0.10
96	6H096	CHIPA	1	2			5	2	4422	186	3	89	17.7	107	5550	7.42	715	47.4	9		22.58	0.18
97	6H097	CHIPA	1	2			5	1	10137	486	15	176	22.7	116	6488	5.53	440	15.2	4		21.78	0.08
98	6H098	CHIPA	1	2			5	1	856	227	11	113	6.6	70	5532	9.24	735	37.1			25.06	0.04
99	6H099	CHIPA	1	2			5	1	3800	136	10	82	18.6	91	6035	8.07	469	6.9	2		24.38	0.12
100	6H100	CHIPA	1	2			5	2	3551	168	7	156	10.8	118	3027	8.07	695	2.1	5		22.73	0.04
101	6H101	CHIPA	1	2			5	2	777	165	6	72	8.7	80	4075	6.59	280	0.8	2		25.90	0.12
102	6H102	MIKOM	1	2			5	2	3994	226	11	49	9.2	98	5133	4.54	291	3.1			24.57	0.16
103	6H103	MIKOM	1	2			5	2	61	365	5	80	15.5	17	4004	2.88	304	9.4	3		31.86	0.20
104	6H104	MIKOM	1	2			5	1	47	105	2	61	11.3	30	5113	3.48	300	7.4	1		31.75	0.08
105	6H105	MIKOM	1	2			5	1	5	206	4		13.9	11	3587	3.15	307				32.48	0.04
106	6H106	MIKOM	1	2			5	1	696	218	15	101	87.8	81	4722	1.67	274	1.9	2		27.93	0.08
107	6H107	MIKOM	1	2			5	2	397	601	15	106	37.6	14	4025	1.83	265	2.1	2		29.31	0.12
108	6H108	MIKOM	1	2			5	2	590	216	10	98	6.9	26	3100	4.09	256	8.4	5		24.84	0.04
109	6H109	MIKOM	1	2			5	1	435	221	7	57	4.3	38	2213	4.84	260	6.4	3		25.87	0.12
110	6H110	MIKOM	1	2			5	1	443	137	2	51	4.3	90	1027	3.76	250	5.6			24.85	0.09
111	6H111	MIKOM	1	2			5	1	1014	226		30	10.1	161	2098	6.14	255				25.01	0.16
112	6H112	MIKOM	1	2			5	2	70	767	4	25	8.4	7	2100	3.10	284				32.36	0.10

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	DCC	LCN	MN	HG	MD	ND	NI	NB	P	K	RB	SM	SC	SE	SI	AG
113	6H113	CHILW	1	1			1	1	329	105	3	28	2.1	6	3153	0.06	8	1.4	6	1	0.31	0.20
114	6H114	CHILW	1	1			1	1	755	215	5	71	2.5	29	4132	0.31	15	3.4	1		1.42	0.08
115	6H115	CHILW	1	1			1	1	2543	206	29	5	1.0	20	3002	0.01	12		3		1.25	0.12
116	6H116	CHILW	1	1			1	1	196	224	18		1.4	36	2558	3.00	23	8.7	4		2.89	0.16
117	6H117	CHILW	1	1			1	1	237	319	3	9	3.9	39	1582	0.24	18	0.4	1		1.94	0.06
118	6H118	CHILW	1	1			1	1	2612	126	3	49	2.2	63	2055	0.09	14	3.1	3		1.33	0.16
119	6H119	CHILW	1	1			1	1	4996	215	4	45	4.0	4	4805	0.19	13	12.4	3		1.15	0.24
120	6H120	CHILW	1	1			1	1	3085	115	3	111	2.3	105	1113	0.10	7	6.6			0.81	0.16
121	6H121	CHILW	1	2			4	2	214	725	2	23	6.3	296	1076	0.15	98		2		28.80	0.26
122	6H122	CHILW	1	2			4	2	503	847	4		4.5	51	1555	0.22	75	7.9	3		28.88	0.10
123	6H123	CHILW	1	2			4	1	91	875	4	53	5.4	180	1182	0.27	104	8.3	4		30.18	0.20
124	6H124	CHILW	1	1			1	2	2377	906	4	11	2.0	19	3987	0.10	92	12.3	2		11.15	
125	6H125	CHILW	1	1			1	2	567	1586	4	102	3.8	1088	6122	0.13	34	75.4	2		1.37	0.24
126	6H126	CHILW	1	1			1	1	3152	846	7	124	5.8	88	3158	0.08	36	11.7	6		1.43	0.04
127	6H127	CHILW	1	1			1	1	1955	657	7	151	2.7	101	4602	0.15	34	4.4	4		1.40	0.28
128	6H128	CHILW	1	1			1	1	3798	668	5	251	2.0	41	2582	0.20	29	11.6	7		1.56	0.32
129	6H129	CHILW	1	1			1	1	3131	786	3	120	0.9	67	8117	0.22	15	61.7	1		0.99	0.40
130	6H130	CHILW	1	1			1	1	2610	827	2	102	0.7	2	9932	0.12	9		2		0.82	0.24
131	6H131	CHILW	1	1			1	1	3511	770	4	92	1.3	60	9027	0.09	12				0.96	0.32
132	6H132	CHILW	1	1			1	1	1351	626	8	151	1.0	71	8115	0.18	16	6.1			1.09	0.28
133	6H133	CHILW	1	1			1	1	1533	865	15	46	3.2	18	10150	0.20	27	23.1			2.41	0.40
134	6H134	CHILW	1	1			1	1	5824	811	19	142	1.9	63	9580	0.10	23	110.9			1.98	0.32
135	6H135	CHILW	1	1			1	2	2636	486	21	338	4.1	80	10950	0.15	11	48.3	2		0.92	0.36
136	6H136	CHILW	1	1			1	1	3885	615	25	276	4.9	27	17880	0.14	18	46.3	1		1.80	0.45
137	6H137	CHILW	1	1			1	1	5882	501	31	231	2.5	524	9105	0.10	14	44.9	3		1.40	0.28
138	6H138	CHILW	1	1			1	1	138	496	30	282	2.5	22	15880	0.15	16	58.8			1.47	0.36
139	6H139	CHILW	1	1			1	1	6663	627	13	522	9.1	86	20882	0.13	6	52.4	1		0.46	0.49
140	6H140	CHILW	1	1			1	1	3005	701	12	488	0.4	125	9981	0.10	7	59.4	1		0.54	0.14
141	6H141	CHILW	1	1			1	1	7662	43	11	576	2.5	192	13582	0.11		67.7	4		0.39	
142	6H142	CHILW	1	1			1	2	2687	71	23	742	2.5	222	9152	0.15	6	51.6	3		0.47	0.04
143	6H143	CHILW	1	1			1	1	4991	22	25	471	3.9	61	10225	0.20	13	49.4	4		1.68	0.20
144	6H144	CHILW	1	1			1	1	5470	96	20	540	2.6	109	7985	0.50	9	4.5	1		0.82	0.12
145	6H145	CHILW	1	1			1	1	4466	75	19	601	1.6	59	15003	0.09	4	16.1	1		0.89	
146	6H146	CHILW	1	1			1	1	3286	221	79	551	1.9	77	6112	0.15	11	0.3	4		0.68	0.12
147	6H147	CHILW	1	1			1	1	4237	136	51	829	5.9	39	3552	0.13	13	11.3	6		0.96	0.12
148	6H148	CHILW	1	1			1	1	4840	209	116	457	5.0	16	280	0.04	6	23.3	9		0.76	0.08
149	6H149	CHILW	1	1			1	1	5492	155	58	1421	10.7	2	6922	0.07	5	8.0	2		7.20	0.08
150	6H150	CHILW	1	1			1	1	3121	92	16	342	1.9	665	3988	0.18	8	29.4			0.90	0.12
151	6H151	CHILW	1	1			1	2	6483	206	636	2477	13.6	80	5559	0.08		198.1			5.25	0.15
152	6H152	CHILW	1	1			1	1	1381	605	11	739	5.7	253	9805	0.46		95.4	6		2.08	
153	6H153	CHILW	1	1			1	1	6886	227	12	222	85.3	629	30279	3.67	205	17.6	5		9.25	0.05
154	6H154	CHILW	1	1			1	1	36919	151	216	949	8.6	27	507	0.02		71.7	7		0.35	
155	6H155	CHILW	1	1			1	1	4129	326	163	335	4.7	198	4103	0.05	7		3		0.84	0.02
156	6H156	CHILW	1	1			1	1	4119	116	170	311	4.0	301	2713	0.02		62.9	4		0.55	
157	6H157	CHILW	1	1			1	1	18259	474	110	422	3.7	346	875	0.51		8.4	3		0.22	0.12
158	6H158	CHILW	1	1			1	1	25766	86	115	561	5.1	241	6150	0.27	9	12.2	2		1.60	0.04
159	6H159	CHILW	1	1			1	1	6743	401	80	462	84.8	972	655	0.54	31	47.4	8		5.04	
160	6H160	CHILW	1	1			1	1	1951	76	17	110	3.3	70	3005	0.30	3	1.1			1.22	0.16
161	6H161	CHILW	1	1			1	1	56526	258	507	1468	13.9	52	2511	0.10	6	102.3	2		1.44	0.33
162	6H162	CHILW	1	1			1	1	2761	272	595	2351	11.2	96	1573	0.15	25	40.1	3		4.38	0.16
163	6H163	CHILW	1	1			1	1	39343	405	580	1803	7.4	49	3025	0.17		76.3	1		0.36	
164	6H164	CHILW	1	1			1	1	31267	652	359	1712	14.2	210	8550	0.10	8	52.6	4		1.11	0.04
165	6H165	CHILW	1	1			1	1	22424	306	280	1125	17.5	67	1987	0.20	42	81.9	2		6.33	0.08
166	6H166	CHILW	1	1			1	1	27373	276	59	1509	14.1	297	2644	0.07	54	177.4	6		9.55	
167	6H167	CHILW	1	1			1	1	1921	406	43	551	13.2	79	2020	0.42	16	18.7	8		2.00	0.04
168	6H168	CHILW	1	1			1	1	27395	175	21	1602	8.1	21	3538	0.13	21	22.1	4		4.21	0.12

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	MN	HG	MO	ND	NI	NB	P	K	RB	SM	SC	SE	SI	AG
169	6H169	CHILW	1	1	3		1	1	15944	206	23	526	26.2	70	7083	0.45	17	13.90	8		3.25	0.04
170	6H170	CHILW	1	1	2		1	1	13473	176	26	1108	12.3	162	1930	0.06	12	143.20	9		2.82	0.15
171	6H171	CHILW	1	1	1		1	1	11570	227	36	1092	11.7	214	19598	0.06		124.40	18		0.63	0.06
172	6H172	CHILW	1	1	1		1	1	15103	216	41	593	20.0	290	5005	0.09		5.60	4		2.51	0.12
173	6H173	CHILW	1	1	1		1	1	15629	385	24	767	40.7	182	3299	0.14		89.90	16		4.86	0.21
174	6H174	CHILW	1	1	1		1	1	11693	155	28	725	34.6	128	5988	0.37		141.40	14		0.74	0.08
175	6H175	CHILW	1	1	1		1	1	11337	326	84	926	133.1	593	19187	0.84	37	44.20	10		7.73	0.33
176	6H176	CHILW	1	1	3		1	2	12142	307	35	1272	7.7	294	245	0.06		53.10	10		0.38	0.08
177	6H177	CHILW	1	1	3		1	2	2691	311	30	462	2.5	120	8023	0.05	7	18.40	3		1.49	0.08
178	6H178	CHILW	1	1	3		1	1	3231	522	30	231	3.1	106	4112	0.09		8.60	5		0.75	
179	6H179	CHILW	1	1	3		1	1	3661	211	19	184	3.0	198	21120	0.01		10.20	2		0.81	
180	6H180	CHILW	1	1	3		1	1	5598	248	26	668	2.1	796	765	0.20		24.20	3		0.43	0.12
181	6H181	CHILW	1	1	3		1	1	4518	131		553	2.3	2653	555	0.06		59.00	3		0.27	0.26
182	6H182	CHILW	1	1	3		1	1	5683	122	12	486	3.2	1124	557	0.08		49.40	4		10.74	0.27
183	6H183	CHILW	1	1	3		1	1	4066	143	9	502	3.7	1278	562	0.09		61.30	3		0.72	0.26
184	6H184	CHILW	1	1	3		1	1	6024	179	7	201	6.0	235	365	0.05		45.90	2		0.36	0.28
185	6H185	CHILW	1	1	3		1	1	4245	178	6	528	12.1	122	8507	0.34		62.20	4		0.24	0.30
186	6H186	CHILW	1	1	3		1	1	2946	211	10	635	13.6	193	8992	0.60		57.40	3		1.12	0.31
187	6H187	CHILW	1	1	3		1	1	4046	92	9	422	6.6	182	373	0.07		38.60	8		0.23	0.26
188	6H188	CHILW	1	1	3		1	1	4683	109		311	7.2	216	340	0.13		47.70	11		0.11	0.28
189	6H189	CHILW	1	1	3		1	1	2526	93		501	5.1	192	375	0.07		32.60	8		0.28	0.26
190	6H190	CHILW	1	2			4	1	2594	104		423	7.6	595	445	0.12		50.00	14		9.12	0.28
191	6H191	CHILW	1	2			4	1	5594	87		511	4.1	820	91	0.03		42.10	13		0.55	0.26
192	6H192	CHILW	1	2			4	1	16269	82	1	72	6.9	176	3618	4.85	108	37.20	6		2.91	0.25
193	6H193	CHILW	1	1	3		1	1	932	99	3	133	6.0	382	387	0.05		11.90	11		0.52	0.27
194	6H194	CHILW	1	1	3		1	1	2481	91	2	151	9.3	251	435	0.09		20.40	3		0.28	0.26
195	6H195	CHILW	1	1	3		1	1	3404	104	3	109	7.4	298	397	0.08		13.60	6		0.77	0.27
196	6H196	CHILW	1	2			1	1	4715	89	23	137	13.9	382	8612	5.48	203	2.40	2		10.14	0.26
197	6H197	CHILW	1	2			1	1	3337	82	13	162	9.6	364	8250	5.50	153	2.10	1		16.48	0.26
198	6H198	CHILW	1	2			1	2	7002	93		277	11.1	813	21033	7.26	312	26.40	4		18.44	0.23
199	6H199	CHILW	1	2			4	2	117	71	9	45	9.0	250	650	0.20	94	1.20	5		36.20	0.10
200	6H200	CHILW	1	2			4	2	762	92	10	54	14.1	166	715	0.11	63	0.08	7		38.94	
201	6H201	CHILW	1	2			4	2	331	79	10	34	19.4	112	645	0.20		0.40	6		37.29	
202	6H202	CHILW	1	2			4	2	343	71	11	44	7.3	95	720	0.29	152	0.20	3		35.58	
203	6H203	CHILW	1	2			4	2	321	64	8	34	9.6	73	712	1.40	164	1.20	7		36.47	0.02
204	6H204	CHILW	1	2			4	2	263	82	4	26	8.5	98	790	1.16	93	2.40	3		34.46	0.03
205	6H205	CHILW	1	2			4	2	522	64	7	35	9.1	126	765	2.07	151	1.90	2		34.50	
206	6H206	CHILW	1	2			4	2	131	72	9	29	13.8	72	837	2.95	71	2.40	1		33.45	
207	6H207	CHILW	1	2			4	2	151	83	6	46	7.0	108	905	3.43	89		1		32.78	0.02
208	6H208	CHILW	1	2			4	2	305	39	7	51	8.1	197	860	3.95	95				33.21	
209	6H209	CHILW	1	2			4	2	664	51	3	22	9.6	129	955	3.92	149				32.64	
210	6H210	CHILW	1	2			4	2	572	44		60	7.5	117	931	4.43	78	0.40			32.18	0.03
211	6H211	CHILW	1	2			4	2	2998	49		45	8.4	165	1877	4.88	326				31.52	
212	6H212	CHILW	1	2			4	2	562	31		24	6.4	109	854	4.57	181				36.13	
213	6H213	CHILW	1	2			4	2	852	28	1	46	7.3	127	68	1.73	93				33.82	
214	6H214	CHILW	1	2			4	2	642	29		31	6.1	56	391	0.07					39.69	
215	6H215	CHILW	1	2			4	2	283	32		32	6.0	42	460	0.09					32.78	
216	6H216	MONGO	1	2			4	2	2403	21		20	4.1	35	305	1.20	115	0.40	3		30.50	
217	6H217	MONGO	1	2			4	2	2991	32		34	5.0	31	265	1.33	70	0.20	3		29.76	
218	6H218	MONGO	1	2			4	2	3102	21		22	3.2	27	172	1.08	66	0.20	5		28.68	0.01
219	6H219	MONGO	1	2			4	2	2487	29		25	4.5	37	231	1.30	44				30.00	
220	6H220	MONGO	1	2			4	1	2477	18		34	3.1	46	200	1.29	83	3.10	2		28.21	
221	6H221	MONGO	1	2			4	2	450	17		27	3.0	70	208	1.49	120				31.96	
222	6H222	MONGO	1	2			4	1	2517	79		40	3.6	62	1150	5.70	250	2.40			28.40	0.13
223	6H223	MONGO	1	2			4	1	3165	113		26	2.8	40	987	4.98	221				27.63	0.50
224	6H224	MONGO	1	2			4	2	2324	139		54	2.5	98	932	5.39	238	0.40			26.93	0.41

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	DCC	LCN	MN	HG	MO	ND	NI	NB	P	K	RB	SM	SC	SE	SI	AG
225	6H225	MONGO	1	2			4	1	1286	168		59	3.3	94	1415	5.45	183				28.48	0.60
226	6H226	MONGO	1	2			4	1	4856	193		52	3.6	158	1797	5.05	290				25.84	0.80
227	6H227	MONGO	1	2			4	2	3387	114		34	3.8	181	2327	6.35	443				24.02	0.52
228	6H228	MONGO	1	2			4	1	1772	79		17	4.8	130	943	5.78	322				25.76	0.50
229	6H229	MONGO	1	2			4	1	2215	108		28	4.2	148	1321	5.55	374	0.2			26.36	0.42
230	6H230	MONGO	1	2			4	1	3247	82		43	4.5	206	2987	4.85	276		3		24.39	0.27
231	6H231	MONGO	1	2			4	1	2121	89		46	5.6	251	3891	4.96	311		2		25.11	0.28
232	6H232	MONGO	1	2			4	1	1647	28		35	5.3	140	221	1.25	42	0.3			30.27	
233	6H233	MONGO	1	2			4	1	2071	29		26	6.1	142	265	1.34	57		3		31.79	
234	6H234	CHAUM	1	2			4	1	1288	19		33	8.9	2	128	1.67	50		32		33.08	0.14
235	6H235	CHAUM	1	2			4	2	664	8		1	25	85.6	115	1.51	62		41		28.72	0.12
236	6H236	CHAUM	1	2			4	2	974			26	91.7	106	93	1.96	55	0.2	43		26.16	0.13
237	6H237	CHAUM	1	2			4	2	1527			4	29	79.9	330	1.93	79		34		28.64	0.14
238	6H238	CHAUM	1	2			4	2	1739			1	20	72.2	324	2.14	45		37		26.89	0.12
239	6H239	CHAUM	1	2			4	1	2155			42	86.7	150	377	2.40	73		40		27.39	0.13
240	6H240	CHAUM	1	2			4	1	1079			1	41	75.2	326	2.07	82		26		30.63	0.14
241	6H241	ACHIR	1	2			4	2	59	32		10	15.4	3	73	1.78	139		1		33.14	0.13
242	6H242	ACHIR	1	2			4	1	128	98		10	10.3		420	4.42	333	0.6	3		30.29	0.13
243	6H243	ACHIR	1	2			4	2	61	79		9	9.0	3	354	3.97	285	0.4	1		32.51	0.14
244	6H244	ACHIR	1	2			4	2	72	19			8.4	2	58	3.77	95				31.73	0.01
245	6H245	ACHIR	1	2			4	1	259			3	7.7	8	115	3.73	162				30.73	
246	6H246	ACHIR	1	2			4	2	66	8			8.5	1	52	3.96	150				30.86	0.02
247	6H247	ACHIR	1	2			4	2	40				6.4	4	100	4.12	228	0.2	1		30.74	
248	6H248	ACHIR	1	2			4	1	152				7.5	3	131	3.85	74				30.16	
249	6H249	ACHIR	1	2			4	2	253			2	7.4		58	4.06	96				30.59	
250	6H250	ACHIR	1	2			4	1	221				9.3		37	3.80	250				30.00	0.02
251	6H251	ACHIR	1	2			4	1	156				8.6		66	3.95	304				32.72	
252	6H252	ACHIR	1	2			4	2	179	11			8.3	1	72	4.07	198				31.37	
253	6H253	ACHIR	1	2			4	1	53			1	9.7		90	3.76	274	1.6			32.62	0.02
254	6H254	ACHIR	1	2			4	2	398	28		15	8.5	4	582	2.05	3				29.68	0.05
255	6H255	ACHIR	1	2			4	2	115			1	13.2	21	260	3.74	102				32.49	
256	6H256	ACHIR	1	2			4	2	99			1	9.4	19	215	3.87	246				32.23	
257	6H257	ACHIR	1	2			4	2	278	9		2	8.1	2	300	3.70	280				31.47	0.03
258	6H258	ACHIR	1	2			4	2	112				8.1	2	354	3.77	187				31.94	0.02
259	6H259	ACHIR	1	2			4	1	136	8		3	15.2	25	294	3.62	174				32.71	0.02
260	6H260	ACHIR	1	2			4	2	47			2	13.6	14	355	3.83	82				32.89	
261	6H261	ACHIR	1	2			4	2	81				10.6	11	324	3.68	322				32.60	
262	6H262	ACHIR	1	2			4	1	25			2	9.7	2	355	3.50	131	2.8			32.54	0.02
263	6H263	ACHIR	1	2			4	1	54			5	9.7	1	306	3.72	274				31.34	0.02
264	6H264	ACHIR	1	2			4	2	13				8.6	33	341	3.63	252				33.13	
265	6H265	KONGW	1	2			4	1	1923	9		39	20.1	2	8315	3.41	158	4.1	8		34.51	
266	6H266	KONGW	1	2			4	1	2822	28		68	14.3	26	9287	3.12	222				26.95	
267	6H267	KONGW	1	2			4	1	3749			64	20.3	15	3519	3.48	203	2.9	7		21.08	0.03
268	6H268	KONGW	1	2			4	1	2014	49		77	16.4	295	9346	3.62	200	2.6	12		23.46	
269	6H269	KONGW	1	2			4	1	1787	67		83	34.2	45	9067	3.95	313				25.30	
270	6H270	KONGW	1	2			4	1	2191	89		89	32.7	161	12673	4.07	351	3.1	6		25.30	
271	6H271	KONGW	1	2			4	1	2065	77		51	19.7	160	9289	3.49	324	2.6	7		21.62	0.02
272	6H272	KONGW	1	2			4	1	1908	58		26	16.4	52	9746	2.95	225	1.9	8		23.00	0.02
273	6H273	KONGW	1	2			4	1	2020	72		47	9.3	1	9118	3.10	145	0.5	11		22.98	0.02
274	6H274	KONGW	1	2			4	1	1493	59		43	18.2		9204	2.58	179	1.9	9		22.34	
275	6H275	KONGW	1	2			4	1	1493	59		43	18.2		9204	2.58	179	1.9	9		22.34	
276	6H276	KONGW	1	2			4	1	949	48		17	8.4	6	550	2.05	311	1.3	1		29.72	0.10
277	6H277	KONGW	1	2			4	1	2687	41		51	6.5	6	891	2.25	94	0.7	5		21.38	0.14
278	6H278	KONGW	1	2			4	1	1098	57		62	7.2		935	2.27	82	2.1	6		26.77	0.08
279	6H279	KONGW	1	2			4	1	112	29		69	6.7		884	2.26	85	1.1	5		31.70	0.14
280	6H280	KONGW	1	2			4	2	3158	41		6	5.9	2	585	2.03	108				20.10	0.10

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	OC	LCN	MN	HG	MD	ND	NI	NB	P	K	RR	SM	SC	SE	SI	AG
281	6H281	CHILO	1	3			1	1	57			7	6.8		80	2.94	300				32.52	0.18
282	6H282	CHILO	1	3			1	1	28			2	7.4		131	2.25	183				32.62	0.16
283	6H283	CHILO	1	2			4	1	117			3	7.7		195	2.20	171				31.37	0.18
284	6H284	CHILO	1	3			1	1	153	9	2	3	7.2		137	2.40	284	2.4			50.60	0.16
285	6H285	CHILO	1	3			1	1	45			1	8.4		82	2.82	233	1.7			28.77	0.10
286	6H286	CHILO	1	3			3	1	30	31		1	44.5		949	2.10	116				24.86	0.54
287	6H287	CHILO	1	3			1	1	604	8		6	38.2		734	1.64	33	0.8			4.89	0.04
288	6H288	CHILO	1	3			1	1	102	29	2	2	33.9		136	2.76	87	0.4			31.84	0.04
289	6H289	CHILO	1	3			1	1	102				6.3		182	3.77	235				28.74	0.04
290	6H290	CHILO	1	3			1	1	2				6.8		173	4.03	238				33.93	
291	6H291	KAWAN	1	2			4	1	10				11.6		42	4.61	303				32.81	0.10
292	6H292	KAWAN	1	2			4	1	33				9.7		55	4.23	201				34.51	0.06
293	6H293	KAWAN	1	2			4	2	616	61	1		7.2		874	2.07	93	2.2			30.33	0.14
294	6H294	KAWAN	1	3			1	1	72	19	1		8.4		85	3.96	214				3.05	
295	6H295	KAWAN	1	3			1	1	60			4	9.0		50	4.18	274				0.54	
296	6H296	KAWAN	1	2			4	1	64				10.6		314	5.84	433				31.81	
297	6H297	LIPER	1	2			4	2	97				11.3		307	5.03	295	1.6			30.54	0.03
298	6H298	LIPER	1	2			4	1	53				9.2		384	5.68	428	2.2			30.66	0.01
299	6H299	LIPER	1	2			4	2	23	9	1		9.6		347	5.40	398	1.3			30.85	
300	6H300	LIPER	1	2			4	2	91	68	2		8.4		146	5.57	358				31.95	
301	6H301	LIPER	1	2			4	1	95	104			8.8		164	5.43	390				32.08	
302	6H302	LIPER	1	2			4	1	3497	38	1		7.3		925	2.40	83				30.90	0.12
303	6H303	LIPER	1	2			4	1	1829	51	2	6	7.8		530	2.53	332				21.47	0.32
304	6H304	NSENG	1	2			5	1	411	92	2	35	19.7		37	489	5.85				25.67	0.28
305	6H305	NSENG	1	2			5	1	1097	83	1	33	10.4		46	590	6.30				30.02	0.20
306	6H306	NSENG	1	2			5	1	615	104		51	21.0		117	536	6.86				28.80	1.39
307	6H307	NSENG	1	2			5	1	1417	91		39	12.9		45	565	6.05				28.34	0.44
308	6H308	NSENG	1	2			5	1	1070	87	1	39	43.2		93	978	2.80				29.91	0.14
309	6H309	NSENG	1	2			5	1	1070	102		41	44.5		98	1382	3.50				29.01	0.15
310	6H310	NSENG	1	3			1	1	471			19	7.7		327	4.13	26				0.83	0.26
311	6H311	NSENG	1	3			1	1	210	21		13	14.1		746	0.91	18				30.09	0.31
312	6H312	NSENG	1	1			1	1	1423	62			5.4		335	0.64	41				7.41	0.16
313	6H313	NSENG	1	3			1	1	650	74			5.9		298	0.58	11				2.00	0.15
314	6H314	NSENG	1	1			1	1	61				14.6		360	0.67	22				40.98	0.49
315	6H315	NSENG	1	1			1	1	226	81			8.9		425	0.25	84				15.64	0.24
316	6H316	NSENG	1	3			1	1	141				9.4		387	0.67	29				33.95	0.20
317	6H317	NSENG	1	1			1	1	368	90			34.0		2877	0.44					11.78	0.13
318	6H001	TUNDU	1	1			1	1	10856	410	107	3633	13.6		118	4235	0.12				1.39	0.06
319	6H002	TUNDU	1	1			1	2	5811	968	35	555	4.1		831	11150	0.35				5.75	0.03
320	6H003	TUNDU	1	1			1	2	7502	317	25	675	6.3		673	9502	0.27				4.15	
321	6H004	TUNDU	1	1			1	1	4454	568	30	776	4.5		779	7830	0.58				6.22	
322	6H005	TUNDU	1	1			1	1	1216	328	4	1391	8.7		4490	3250	1.07				7.82	
323	6H006	TUNDU	1	1			1	1	7415	310	25	449	31.5		496	4835	0.73				6.29	
324	6H007	TUNDU	1	1			1	2	8301	408	28	470	9.1		561	6532	0.32				7.38	0.12
325	6H008	TUNDU	1	1			1	1	18227	431	37	681	13.5		249	6758	0.58				0.88	0.05
326	6H009	TUNDU	1	1			1	1	10621	619	35	898	49.8		143	8890	0.29				6.40	0.08
327	6H010	TUNDU	1	1			1	1	32022	511	55	760	73.5		201	13690	0.50				6.40	0.08
328	6H011	TUNDU	1	1			1	1	15973	348	67	829	15.0		164	1848	1.23				4.00	
329	6H012	TUNDU	1	1			1	2	11107	342	40	545	18.7		133	3008	1.02				5.99	
330	6H013	TUNDU	1	1			1	1	19693	339	30	443	12.7		438	2550	1.58				0.68	0.02
331	6H014	TUNDU	1	1			1	1	11115	311	90	355	15.0		365	2870	1.10				14.71	
332	6H015	TUNDU	1	1			1	1	1021	188	120	402	62.0		428	2588	3.97				4.96	
333	6H016	TUNDU	1	1			1	1	4891	161	169	272	32.0		411	2762	5.08				5.07	0.03
334	6H017	TUNDU	1	1			1	1	6342	299	90	620	32.5		351	6058	3.37				4.58	
335	6H018	TUNDU	1	1			1	1	6363	346	80	415	21.5		382	7755	2.21				6.63	0.03
336	6H019	TUNDU	1	1			1	1	3342	454	90	663	29.4		356	4350	2.89				7.32	

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	MN	HG	MO	ND	NI	NB	P	K	RB	SM	SC	SE	SI	AG
337	6M020	TUNDU	1	1	1	3	1	2	1314	298	65	746	1.4	313	7992	1.05	44	121.3	1	1	20.81	
338	6M021	TUNDU	1	1	3	3	1	2	8138	372	52	1631	26.3	178	10520	0.56	10	325.1	1	1	9.70	0.03
339	6M022	MATOP	1	1	2	2	2	2	5766	296	33	170	5.3	319	13550	0.33	10	104.4	1	1	0.83	
340	6M023	MATOP	1	1	2	2	2	2	5830	222	33	211	5.9	271	14270	0.47	13	104.9	1	1	3.51	0.02
341	6M024	MATOP	1	1	2	2	2	2	6645	785	16	475	7.4	297	11379	0.44	26	65.8	1	1	1.64	0.06
342	6M025	MATOP	1	1	2	2	2	1	6493	401	20	598	6.3	311	15230	0.53	31	49.1	1	1	1.61	0.10
343	6M026	MATOP	1	2	2	2	2	2	6308	228	25	1170	7.6	380	14237	0.39	4	75.6	2	1	9.48	
344	6M027	MATOP	1	1	2	2	2	2	7028	1031	13	935	7.3	219	14070	0.78	6	92.6	1	1	6.25	0.15
345	6M028	MATOP	1	1	2	2	2	2	9790	619	10	325	10	190	13852	1.05	34	109.2	1	1	4.32	0.05
346	6M029	MATOP	1	1	2	2	2	2	13707	220	15	405	5.5	641	14850	0.77	26	88.3	1	1	1.94	0.20
347	6M030	MATOP	1	1	2	2	2	2	11935	485	24	651	6.1	164	12780	1.23	85	60.9	1	1	0.79	0.08
348	6M031	MATOP	1	1	2	2	2	2	7612	181	18	554	9.3	191	16262	1.60	60	71.2	1	1	4.27	0.25
349	6M032	MATOP	1	1	2	2	2	2	10345	203	6	862	10.3	561	130	0.59	13	112.1	1	1	1.80	0.41
350	6M033	MATOP	1	1	2	2	2	2	14653	198	8	2305	6.2	469	430	0.33	46	130.0	1	1	0.37	0.30
351	6M034	MATOP	1	1	2	2	2	2	7739	201	2	970	5.6	620	273	0.15	23	169.0	1	1	1.60	0.10
352	6M035	SONGW	1	1	2	3	1	1	9169	180	3	1218	6.9	21	194	0.02	1	157.6	1	1	0.18	0.09
353	6M036	SONGW	1	1	2	3	1	1	10217	2629	15	2305	4.4	184	475	0.15	34	74.4	2	1	0.46	0.05
354	6M037	SONGW	1	1	2	3	1	2	8053	101	21	857	4.8	147	1133	0.31	10	90.1	2	1	0.97	0.06
355	6M038	SONGW	1	1	2	3	1	2	13681	299	18	465	8.4	105	7337	0.09	4	110.3	2	1	0.42	0.02
356	6M039	SONGW	1	1	2	3	1	2	11824	1768	20	370	5.5	164	5575	0.18	12	224.3	5	1	1.14	
357	6M040	SONGW	1	1	2	3	1	2	5785	178	15	681	1.1	99	3830	0.10	16	191.2	3	1	0.34	
358	6M041	SONGW	1	1	2	3	1	2	16326	163	21	3683	1.3	56	8670	0.02	1	436.4	6	1	0.07	
359	6M042	SONGW	1	1	2	3	1	2	25560	221	23	890	1.3	69	4873	0.21	1	326.9	8	1	0.64	
360	6M043	SONGW	1	1	2	3	1	2	25735	177	20	1200	2.3	55	5550	0.11	5	475.6	4	1	0.07	0.05
361	6M044	SONGW	1	1	2	3	1	2	14659	129	28	1560	1.8	96	6892	0.15	5	249.5	2	1	0.54	0.15
362	6M045	SONGW	1	1	2	3	1	2	17677	268	33	1015	1.4	218	5755	0.08	13	178.6	1	1	0.30	0.10
363	6M046	SONGW	1	1	2	3	1	2	11770	183	32	920	1.1	116	8025	0.35	12	227.1	3	1	0.39	
364	6M047	SONGW	1	1	2	3	1	2	30175	200	20	852	1.2	369	5235	0.22	24	201.3	2	1	0.54	
365	6M048	SONGW	1	1	2	3	1	2	11277	245	23	1201	5.5	413	3890	0.15	14	138.7	2	1	0.50	
366	6M049	SONGW	1	1	2	3	1	2	9353	238	16	1005	2.1	490	5572	0.10	30	180.6	2	1	0.50	
367	6M050	SONGW	1	1	2	3	1	2	11730	141	17	1610	1.9	599	4334	0.20	14	214.9	1	1	0.68	
368	6M051	SONGW	1	1	2	3	1	2	9212	128	20	1355	1.5	756	2732	0.37	17	178.8	2	1	0.56	0.19
369	6M052	SONGW	1	1	2	3	1	2	14678	139	32	1327	3.0	749	6308	0.36	7	235.7	3	1	0.16	0.06
370	6M053	SONGW	1	1	2	3	1	2	15590	409	28	855	2.1	659	4370	0.30	7	279.1	6	1	2.51	0.03
371	6M054	SONGW	1	1	2	3	1	2	56517	200	24	1688	3.3	91	5757	0.35	1	150.0	3	1	1.03	0.08
372	6M055	SONGW	1	1	2	3	1	2	13128	208	15	1182	1.8	118	7027	0.13	43	96.6	2	1	2.16	
373	6M056	SONGW	1	1	2	3	1	2	8867	179	13	1937	0.7	31	6067	0.03	1	131.0	5	1	0.16	0.03
374	6M057	SONGW	1	1	2	3	1	2	65612	182	231	3527	1.6	197	3501	0.10	1	264.7	13	1	0.45	0.38
375	6M058	SONGW	1	1	2	3	1	2	41195	279	90	1812	0.9	319	1520	0.58	1	110.6	6	1	1.45	0.30
376	6M059	SONGW	1	2	2	3	1	2	72325	356	70	1598	5.1	455	733	0.92	1	142.4	7	1	2.11	0.20
377	6M060	SONGW	1	2	2	3	1	2	12191	518	35	515	6.3	941	2949	2.18	160	67.4	4	1	5.80	0.32
378	6M061	SONGW	1	2	2	3	1	2	7602	68	8	596	4.4	890	2262	5.04	616	64.3	2	1	19.73	0.06
379	6M062	SONGW	1	2	2	3	1	2	17883	558	114	835	3.0	499	1122	7.39	53	203.4	1	1	16.99	0.23
380	6M063	SONGW	1	2	2	3	1	2	10728	112	80	946	3.4	245	1157	1.93	47	127.1	1	1	16.99	0.23
381	6M064	SONGW	1	2	2	3	1	2	18459	128	75	878	3.0	341	1222	2.05	63	159.6	1	1	9.81	
382	6M065	SONGW	1	2	2	3	1	2	59150	199	309	3732	1.6	291	1327	1.00	47	368.3	1	1	1.85	
383	6M066	SONGW	1	1	2	3	1	2	28049	103	46	3490	0.8	193	9317	0.24	1	544.1	2	1	0.76	0.10
384	6M067	SONGW	1	1	2	3	1	2	19062	59	3	847	0.4	426	4735	0.73	12	172.2	1	1	0.36	0.15
385	6M068	SONGW	1	1	2	3	1	2	9375	61	19	1204	1.2	599	5936	0.84	27	161.6	2	1	1.45	
386	6M069	SONGW	1	1	2	3	1	2	13680	47	1	1222	0.8	451	2785	0.33	14	182.5	3	1	0.44	
387	6M070	SONGW	1	1	2	3	1	2	11813	81	1	1821	0.4	343	3575	0.58	34	152.3	2	1	0.33	
388	6M071	SONGW	1	1	2	3	1	2	11081	59	7	1548	2.1	441	3139	0.52	16	21.3	3	1	1.04	0.32
389	6M072	SONGW	1	1	2	3	1	2	10697	68	13	1076	1.2	544	3560	1.37	30	290.4	5	1	0.37	0.06
390	6M073	SONGW	1	2	2	3	1	2	42468	108	26	867	2.6	370	3889	0.74	43	167.2	2	1	0.67	0.12
391	6M074	NAMAN	1	2	2	3	1	2	659	71	25	459	8.8	447	3637	2.05	7	153.1	1	1	27.70	
392	6M075	NAMAN	1	2	2	3	1	2	2368	129	9	720	7.5	519	3990	2.87	79	32.1	3	1	24.81	

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	MN	HG	MO	NO	NI	NB	P	K	RB	SM	SC	SE	SI	AG
393	6M076	NAMAN	1	2		3	5	2	912	108	20	533	8.2	190	3485	1.58	15	49.4	2		29.80	0.03
394	6M077	NAMAN	1	2			5	2	1069	89	29	474	8.3	390	2835	5.50	25	26.3	3		22.50	0.03
395	6M078	NAMAN	1	2			5	2	1415	118	33	846	6.4	402	3555	3.52		37.9	3	1	29.30	
396	6M079	NAMAN	1	2			5	2	1718	131	28	721	9.0	286	2710	2.89		12.8	3	1	25.77	0.09
397	6M080	NAMAN	1	2			5	1	1138	67	19	914	10.2	388	3573	1.87			5		23.01	0.10
398	6M081	NAMAN	1	2			5	1	2019	82	2	95	9.2	355	1354	3.36	293	0.6	5		21.03	0.10
399	6M082	NAMAN	1	2			5	1	1640	79	4	215	9.4	371	2035	2.00	254		2		23.47	0.07
400	6M083	NAMAN	1	2			5	2	2250	99	3	114	17.7	222	2605	4.40	364	2.7	3		21.71	0.23
401	6M084	NAMAN	1	2		3	5	2	3047	91	3	146	12.5	159	1960	2.58	396	0.8	2		25.20	0.17
402	6M085	NAMAN	1	2			5	2	4653	111	11	612	5.2	303	768	3.03	63	8.6	3		21.96	0.22
403	6M086	NAMAN	1	2			5	2	2159	88	13	588	5.1	80	555	1.53	36		4		16.87	0.06
404	6M087	NAMAN	1	2			5	2	1831	108	12	742	6.6	102	835	2.58	51	15.4	4		22.62	0.02
405	6M088	NAMAN	1	2		3	5	2	3944	120	14	826	7.2	89	737	1.05	149	3.5	3		23.82	0.18
406	6M089	NAMAN	1	2		3	5	2	5262	78	17	647	6.8	161	520	1.95	68	17.6	1		22.54	0.36
407	6M090	NAMAN	1	2		3	5	1	4506	111	6	164	9.0	71	636	0.99	70	23.4	3		24.21	0.07
408	6M091	NAMAN	1	2		3	5	2	2900	97	3	206	8.3	79	228	1.65	115	14.3	2		29.46	0.19
409	6M092	NAMAN	1	2		3	5	2	468	127	7	76	10.4	99	630	1.88		24.1	1		30.42	0.09
410	6M093	NAMAN	1	2		3	5	2	373	79	19	118	10.2	151	575	3.01	3	30.4	1		26.12	0.18
411	6M094	NAMAN	1	2		3	5	1	130	68	19	172	15.2	86	830	2.75		35.6	1		17.77	0.22
412	6M095	NAMAN	1	2		3	5	1	108	118	12	181	13.8	99	753	1.58	24	48.7	1		25.19	0.05
413	6M096	NAMAN	1	2		3	5	2	155	78	3	229	12.4	118	1057	3.35	12	31.8	2		29.09	0.09
414	6M097	TUNDU	1	2		3	4	2	1541	139	22	472	7.0	80	385	2.00		44.2	3		17.58	0.32
415	6M098	TUNDU	1	2		3	4	1	318	132	19	365	6.2	88	637	3.55		32.1	2		15.52	0.37
416	6M099	TUNDU	1	2		3	4	2	392	111	2	147	3.6	164	876	1.27	12	57.6	1		17.43	0.18
417	6M100	TUNDU	1	2		3	4	2	4030	78	11	169	4.9	172	1088	1.91	8	35.9	2		10.68	0.05
418	6M101	TUNDU	1	2		3	4	1	4020	89	17	604	7.3	101	1487	3.02	131	52.8	2		20.01	0.65
419	6M102	TUNDU	1	2		3	4	2	282	132	21	1281	6.7	115	630	2.53		36.4	2		11.82	0.25
420	6M103	TUNDU	1	2		3	4	2	1065	77	14	440	7.6	142	850	1.78	16	47.2	2		10.69	0.31
421	6M104	TUNDU	1	2		3	4	1	2380	89	3	322	7.5	104	529	2.79	8	57.4	1		9.93	0.16
422	6M105	TUNDU	1	2		3	4	2	10067	127	34	762	17.4	142	472	2.05	85	45.6	2		26.46	0.11
423	6M106	TUNDU	1	2		3	4	2	1593	91	27	501	18.1	179	789	1.55	47	31.5	2		29.33	0.07
424	6M107	TUNDU	1	2		3	4	1	4159	79	23	663	13.0	105	484	2.73	16	22.1	1		28.03	0.17
425	6M108	TUNDU	1	2		3	4	2	723	91	16	376	13.0	105	484	2.73	16	22.1	1		27.71	0.25
426	6M109	TUNDU	1	2		3	4	2	1450	70	21	367	17.3	103	559	1.93	13	19.0	2		26.12	0.09
427	6M110	TUNDU	1	2		3	4	2	3570	102	9	131	9.5	162	686	2.55	69	26.0	1		25.88	0.31
428	6M111	TUNDU	1	2		3	4	2	1370	78	6	188	6.6	191	784	3.93	202	15.6	4		27.41	0.45
429	6M112	TUNDU	1	2		3	4	2	2722	89	4	155	5.8	89	785	2.22	95	53.2	4		25.72	0.40
430	6M113	TUNDU	1	2		3	4	2	5853	71	24	921	3.4	94	2053	2.79	4	11.5	2		6.91	0.20
431	6M114	TUNDU	1	2		3	4	2	2467	108	2	270	6.1	111	3055	1.86	22	6.2	3		23.67	0.05
432	6M115	TUNDU	1	2		3	4	2	2752	81	13	225	6.9	83	2750	3.33	14	2.1	2		28.03	0.09
433	6M116	TUNDU	1	2		3	3	1	4452	89	19	361	3.7	81	2327	1.33	49	17.0	5		12.30	0.33
434	6M117	TUNDU	1	2		3	4	2	5030	88	15	426	3.1	68	2535	2.35	69	9.0	4		13.13	0.35
435	6M118	TUNDU	1	2		3	4	2	2653	111	31	547	3.8	112	3378	1.05	32	4.0	8		13.18	0.20
436	6M119	TUNDU	1	2		3	4	2	3280	81	2	368	4.7	174	2550	2.88	86	14.2	7		14.00	0.17
437	6M120	TUNDU	1	2		3	4	2	2070	99		474	5.5	99	3890	2.33	131	10.1	8		15.61	0.08
438	6M121	TUNDU	1	2		3	4	2	1564	91	8	203	5.0	97	4513	3.06	143	21.0	10		15.21	1.33
439	6M122	TUNDU	1	2		3	4	2	8430	79	11	176	2.2	118	5777	2.53	53	82.4	6		7.64	0.72
440	6M123	TUNDU	1	2		3	4	2	2234	103	24	382	3.5	150	8533	1.05	62	45.3	7		14.10	0.51
441	6M124	TUNDU	1	2		3	4	2	4221	81	30	833	3.8	61	5393	1.98	77	167.7	8		11.80	0.27
442	6M125	TUNDU	1	2		3	4	1	3753	89	26	521	4.5	44	8735	2.02	13	141.6	5		9.71	0.40
443	6M126	TUNDU	1	2		3	4	2	9202	107	37	833	3.8	59	12330	1.78	63	95.5	5		8.15	0.17
444	6M127	TUNDU	1	2		3	4	2	416	82	18	746	4.6	92	8557	2.00	26	132.5	2		11.78	0.34
445	6M128	TUNDU	1	2		3	4	2	2324	109	14	941	3.6	80	13093	1.05	12	221.4	3		11.55	0.09
446	6M129	CHILW	1	1		3	1		9957	89	11	1823	6.1	95	8350	1.87		173.1	1		16.17	0.27
447	6M130	CHILW	1	1		3	1		6711	112	13	1415	3.4	55	9954	0.54		152.3	2		8.52	0.12
448	6M131	CHILW	1	1		3	1		30779	98	508	4101	5.4	68	16889	0.03		328.4	1		0.78	0.48

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OBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	MN	HG	MO	ND	NI	NB	P	K	RB	SM	SC	SE	SI	AG
449	6M132	CHILW	1	1	3	1	1	2	11941	92	5	2156	3.1	79	9837	0.10	54.0	302.3	2		2.68	0.05
450	6M133	CHILW	1	1	3	1	1	1	14841	115	11	2324	4.2	88	11150	0.03	10.0	159.3	3		6.20	0.50
451	6M134	CHILW	1	1	3	1	1	1	11470	109	38	476	3.3	75	8388	0.05	6.0	183.3	1		1.55	0.27
452	6M135	CHILW	1	1	2	1	1	1	3352	131	4	745	1.2	89	12500	0.02	90.0	118.2	1		4.48	0.31
453	6M136	CHILW	1	1	3	1	1	1	7154	98	90	998	2.3	69	13824	0.15	44.0	62.8	2		2.80	0.18
454	6M137	CHILW	1	1	2	1	1	1	9372	128	3	655	1.1	58	10750	0.08	62.0	25.7	1		0.41	0.41
455	6M138	CHILW	1	1	3	1	1	1	9972	118	12	702	1.4	50	8750	0.18	53.0	46.6	1		1.09	0.22
456	6M139	CHILW	1	1	3	5	1	1	16530	91	30	598	2.0	72	10559	0.08	9.0	28.1	1		0.37	0.17
457	6M140	CHILW	1	1	3	1	1	1	4326	103	11	103	3.5	49	6737	0.05	26.0	36.0	1		3.32	0.34
458	6M141	CHILW	1	1	2	1	1	1	3192	88	2	285	1.6	61	4661	0.08	30.0	30.0			0.32	0.52
459	6M142	CHILW	1	1	3	1	1	1	54409	82	2	466	35.2	62	862	0.15	14.0	32.2			10.88	0.41
460	6M143	CHILW	1	1	3	1	1	1	12046	91		385	34.1	1911	1055	0.20	7.0	21.1			30.53	0.49
461	6M144	CHILW	1	1	3	1	1	1	12649	89	13	239	3.7	71	4053	0.08	4.0	13.5			0.93	0.21
462	6M145	CHILW	1	1	3	1	1	1	7644	87	8	605	5.2	38	1175	0.03	9.0	28.4			4.53	0.42
463	6M146	CHILW	1	1	2	1	1	1	7586	112	19	656	4.2	4292	1265	0.05	3.0	82.3			0.22	0.38
464	6M147	CHILW	1	1	4	1	1	1	6086	310	37	922	0.8	41	1072	0.02	4.0	115.6			7.95	0.12
465	6M148	CHILW	1	1	4	1	1	1	88134	108	24	1211	4.2	33	653	0.18	4.0	109.5			2.58	0.23
466	6M149	CHILW	1	1	4	1	1	1	42373	128	17	1557	3.7	35	92	0.20	4.0	109.5			2.02	0.60
467	6M150	CHILW	1	1	4	1	1	1	43575	116	22	1492	3.7	66	1230	0.15	12.0	81.4			0.23	2.39
468	6M151	CHILW	1	1	4	1	1	1	50090	375	31	2416	0.4	61	240	0.08	200.4	1		0.23	2.39	
469	6M152	CHILW	1	1	4	1	1	1	68522	112	72	946	8.9	42	3335	0.07	30.0	447.1			2.26	0.90
470	6M153	CHILW	1	1	4	5	1	1	58681	185	482	6212	10.2	60	9083	0.04	17.0	375.7			9.50	0.10
471	6M154	CHILW	1	1	4	1	1	1	26123	117	114	1433	12.1	78	7735	0.15	6.0	72.0			6.72	0.22
472	6M155	CHILW	1	1	4	1	1	1	75521	321	62	4479	2.2	71	5572	0.20	68.0	413.5			0.96	0.40
473	6M156	CHILW	1	1	2	1	1	1	68155	140	53	3503	5.3	101	6890	0.09	4.0	118.1			1.21	0.07
474	6M157	CHILW	1	1	3	1	1	1	15761	108	84	276	7.4	85	5753	0.32	37.0	93.3			1.77	0.02
475	6M158	CHILW	1	1	3	1	1	1	19752	91	42	269	6.7	73	3839	0.24	6.0	72.0			3.92	0.10
476	6M159	CHILW	1	1	3	1	1	1	72805	328	90	4786	2.9	168	5290	0.32	15.0	101.0			1.06	0.15
477	6M160	CHILW	1	1	3	1	1	1	18055	111	71	1107	37.4	107	2290	0.32	95.4	5		4.03	0.05	
478	6M161	CHILW	1	1	3	5	1	1	16980	99	58	861	40.3	151	1041	0.31	14.0	96.3			5.70	0.03
479	6M162	CHILW	1	1	2	1	1	1	9351	118	28	446	33.2	170	6875	0.58	7.0	90.3			9.40	0.16
480	6M163	CHILW	1	1	2	1	1	1	14787	79	47	569	1.6	135	3525	0.20	74.1	9		0.66	0.23	
481	6M164	CHILW	1	1	2	1	1	1	2988	101	33	468	3.8	101	9827	0.77	23.0	60.2			2.52	0.46
482	6M165	CHILW	1	1	2	1	1	1	1918	99	8	217	1.9	115	2733	1.05	13.0	44.7			0.18	0.49
483	6M166	CHILW	1	1	2	1	1	1	4645	94	12	401	27.9	61437	10557	0.73	23.0	23.6			9.93	0.22
484	6M167	CHILW	1	1	2	1	1	1	3691	118	9	274	5.2	318	3055	0.35	36.8	5		1.03	0.11	
485	6M168	CHILW	1	1	3	1	1	1	23993	70	6	753	10.0	361	14077	1.05	6.0	14.9			5.79	0.05
486	6M169	CHILW	1	1	2	1	1	1	4248	58	14	108	7.7	324	2755	1.98	29.0	6		0.80	0.19	
487	6M170	CHILW	1	1	3	1	1	1	1856	96	18	296	23.5	214	5879	0.99	63.0	21.3			0.74	0.16
488	6M171	CHILW	1	1	3	1	1	1	3754	69	2	232	31.3	199	25082	1.47	48.0	24.8			3.59	0.26
489	6M172	CHILW	1	1	2	1	1	1	4448	118	2	315	3.8	256	9935	1.03	27.0	32.5			0.26	0.33
490	6M173	CHILW	1	1	2	1	1	1	2762	81	11	156	3.7	161	10733	0.93	39.4	6			0.36	0.35
491	6M174	CHILW	1	1	3	1	1	1	6566	89	22	654	21.2	98	13236	0.43	11.0	26.3			5.50	0.27
492	6M175	CHILW	1	1	2	1	1	1	3212	101	22	380	8.4	102	16855	1.00	8.0	12.9			0.93	0.31
493	6M176	CHILW	1	1	1	3	1	1	6421	60	28	671	11.7	100	15880	0.57	20.1	20.1			2.73	0.09
494	6M177	CHILW	1	1	2	1	1	1	8662	81	14	867	21.3	105	12573	0.33	3.0	16.1			10.17	0.27
495	6M178	CHILW	1	1	2	1	1	1	3245	68	11	111	3.4	64	10555	0.23	11.0	9.7			3.05	0.05
496	6M179	CHILW	1	1	2	1	1	1	3109	119	3	254	1.8	59	9859	0.50	16.0	13.6			0.61	0.09
497	6M180	CHILW	1	1	2	1	1	1	4382	79	8	190	1.6	79	10403	0.16	5.9	5.9			23.09	
498	6M181	CHILW	1	1	2	1	1	1	1720	59		29	3.4	695	2716	2.99	657.6			0.69		
499	6M182	CHILW	1	1	2	1	1	1	4149	18		16	3.5	644	3587	2.85	678.2			1.03		
500	6M183	CHILW	1	1	2	1	1	1	2466	30		22	4.0	681	1975	2.53	668.5			23.95	0.05	
501	6M184	CHILW	1	1	2	1	1	1	699	58	2	15	4.3	628	1128	2.84	607.4			6.38		
502	6M185	CHILW	1	1	2	1	1	1	14631	20		20	3.0	669	5027	3.15	510.3			23.88		
503	6M186	CHILW	1	1	2	1	1	1	807	56		18	5.0	571	1546	3.01	571.1			21.27	0.03	
504	6M187	CHILW	1	1	2	1	1	1	3707	38	8	8	15.0	468	337	0.19	23.9					

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OBS	NO	SECTOR	RS	RK	RK2	ALT	DCC	LCN	MN	HG	MD	ND	NI	NB	P	K	RB	SM	SC	SE	SI	AG	
505	6M188	CHIKA	1	2			4	1	94	10	7	6	16.0	121	515	0.28	64.2	0.2	6		34.95		
506	6M189	CHIKA	1	2			4	1	357	17	6	10	16.5	79	360	0.10	140.6		7		32.97		
507	6M190	CHIKA	1	2			4	1	94	38	7	9	15.2	108	409	0.20	121.3		7		28.72		
508	6M191	CHIKA	1	2			4	1	190	19	5	6	17.0	72	320	0.19	19.5		7		34.10		
509	6M192	CHIKA	1	2			4	1	171	18		415	17.0	192	9074	1.05	196.2	75.8	1		33.66	0.01	
510	6M193	CHIKA	1	2			4	1	164		20	16	17.5	45	404	0.15	29.4		7		35.28	0.02	
511	6M194	CHIKA	1	2			4	1	672	10	23	17	17.2	51	315	0.21	30.1		7		34.56		
512	6M195	CHIKA	1	2			4	1	842	10	21	19	17.6	49	398	0.15	55.1	0.4	8		35.45		
513	6M196	CHIKA	1	2			4	1	80		23	18	18.0	68	507	0.10	43.2		7		35.42		
514	6M197	CHIKA	1	2			4	1	342		26	10	17.5	46	255	0.21	17.4		8		32.71		
515	6M198	CHIKA	1	2			4	1	5	18	35	419	18.0	198	9976	0.09	138.5	75.1	7		32.93		
516	6M199	CHIKA	1	2			4	2	301		26	12	17.8	35	317	0.14	22.6		7		31.64	0.05	
517	6M200	CHIKA	1	2			4	2	38		24	21	18.5	27	518	0.20	43.5		8		34.27		
518	6M201	CHIKA	1	2			4	2	842		25	21	18.3	45	592	0.12	7.8		8		34.48		
519	6M202	CHIKA	1	2			4	2	63		2	28	3.6	239	7120	7.80	641.3		8		31.63	0.12	
520	6M203	CHIKA	1	2			4	2	117		4	18	3.0	139	6331	7.02	579.3		7		29.26	0.10	
521	6M204	CHIKA	1	2			4	2	117			36	2.0	291	8778	7.70	561.2		5		31.39	0.12	
522	6M205	MONGO	1	2	3		4	2	1107		1	29	1.1	192	7017	7.45	700.4				13.92	0.12	
523	6M206	MONGO	1	2	3		4	2	741			43	1.7	149	7605	8.06	852.1				23.56	0.14	
524	6M207	MONGO	1	2	3		4	2	1064	10		30	2.0	140	5984	7.66	689.1				26.45	0.10	
525	6M208	MONGO	1	2			4	2	3121	17		51	4.0	289	2179	3.55	358.4				20.54	0.20	
526	6M209	MONGO	1	2			4	2	2402	48		36	4.5	291	3384	3.62	281.5				19.08	0.23	
527	6M210	MONGO	1	2			4	2	2782	19		60	5.5	269	997	3.58	262.8				21.75	0.24	
528	6M211	MONGO	1	2			4	2	1621	48	3	51	5.8	233	1464	3.53	404.7	0.4			25.73	0.29	
529	6M212	MONGO	1	2			4	2	1927	39		32	5.3	311	955	3.23	389.4				23.02	0.20	
530	6M213	MONGO	1	2			4	2	2149	58	1	52	5.7	265	3027	3.50	440.5	0.8			21.25	0.22	
531	6M214	MONGO	1	2			4	2	2211	30		35	5.2	290	4228	3.02	221.3				22.19	0.20	
532	6M215	MONGO	1	2			4	2	2037	38		64	5.5	338	1194	3.40	319.2				22.64	0.23	
533	6M216	KANGA	1	1	2		4	1	2355	10		1386	4.5	426	19845	0.50	8.5	185.9	13		8.93	0.27	
534	6M217	KANGA	1	1	2		4	1	1807		11	930	4.8	492	24986	0.61	18.3	176.4	10		3.64	0.26	
535	6M218	KANGA	1	1	3		4	1	11147	18		1060	5.0	389	20899	0.39	11.2	169.2	11		15.91	0.26	
536	6M219	KANGA	1	1	1		4	1	9701		22	1200	4.5	344	29748	0.58	33.4	183.2	15		0.99	0.28	
537	6M220	KANGA	1	1	1		4	1	10926	17		1250	4.7	430	21174	0.54	42.3	185.6	13		14.14	0.28	
538	6M221	KANGA	1	1	3		4	1	27995	22		1066	4.2	399	37660	0.63	31.1	181.5	13		5.02	0.26	
539	6M222	KANGA	1	1	3		4	1	30213		16	1368	3.6	667	36946	0.46	6.3	195.3	15		4.83	0.39	
540	6M223	KANGA	1	1	4		4	1	28038	51		1250	4.0	618	28947	0.55	2.4	170.4	13		3.52	0.40	
541	6M224	KANGA	1	1	4		4	1	37677	20		1250	4.5	681	19447	0.50	11.5	162.2	12		3.62	0.36	
542	6M225	KANGA	1	1	4		4	1	3079	10		1108	4.0	567	14899	0.41	60.3	190.1	13		3.69	0.40	
543	6M226	KANGA	1	1	3		4	1	35100	68	32	1560	4.5	736	24793	0.50	19.8	205.0	13		22.58	0.32	
544	6M227	KANGA	1	1	4		4	1	14683	51	11	1200	4.0	842	20034	0.42	15.2	167.1	13		9.08	0.36	
545	6M228	KANGA	1	1	3		4	1	4008	21		1423	3.5	814	24687	0.29	117.3	210.4	13		21.02	0.39	
546	6M229	KANGA	1	1	3		4	1	34960	57	42	1550	3.0	853	23479	0.35	100.0	190.3	13		2.50	0.55	
547	6M230	KANGA	1	1	4		4	1	11335	18	56	1797	4.0	916	33833	0.20	323.0	184.3	13		17.95	0.51	
548	6M231	KANGA	1	1	2		4	1	26406	61	92	1811	3.5	864	23576	0.11	201.4	204.2	10		0.34	0.50	
549	6M232	KANGA	1	1	2		4	1	33839	47	107	1600	5.0	839	33738	0.25	231.2	350.1	12		3.26	0.59	
550	6M233	KANGA	1	1	2		4	1	21020	51	115	2120	4.0	872	30155	0.20	123.5	187.6	5		5.39	0.59	
551	6M234	KANGA	1	1	2		4	1	13122	29	116	2533	4.2	784	19751	0.10	79.7	520.4	2		11.28	0.70	
552	6M235	KANGA	1	1	2		4	1	28166	50	137	3580	4.7	831	15794	0.05	10.8	165.2	3		2.36	0.60	
553	6M236	KANGA	1	1	4		4	1	48413	41	126	4782	3.2	697	21434	0.10	17.5	440.1	2		0.52	0.55	
554	6M237	KANGA	1	1	4		4	1	36286	47	164	1833	4.0	782	17666	0.06	15.0	350.8	3		0.07	0.55	
555	6M238	KANGA	1	1	4		4	1	16757	49	182	1521	4.7	726	24300	0.09	35.6	290.7	2		0.03	0.85	
556	6M239	KANGA	1	1	4		4	1	28385	78	211	6663	4.5	144	25572	0.01	4.3	537.0	2		2.23	0.96	
557	6M240	KANGA	1	1	1		4	1	19286		104	1860	5.3	158	9979	0.03	5.2	370.4	3		5.79	0.35	
558	6M241	KANGA	1	1	2		4	1	32538	10	54	2533	5.0	96	14138	0.03	3.3	510.3	2		12.17	0.32	
559	6M242	KANGA	1	1	2		4	1															
560	6M243	KANGA	1	1	2		4	1															

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	QCC	LCN	MN	HG	MO	ND	NI	NB	P	K	RB	SM	SC	SE	SI	AG	
561	6M244	KANGA	1	1	1	1	1	1	14537	18	33	4026	4.5	138	9143	0.04	8.5	297.2	3		3.54	0.27	
562	6M245	KANGA	1	2	1	3	3	2	13350		14	5015	4.0	77	9891	0.04	9.0	349.5	4	1	19.39	0.29	
563	6M246	KANGA	1	1	2	1	4	2	15982		8	5341	5.1	83	13171	0.02		380.9	4		2.78	0.24	
564	6M247	KANGA	1	2	2	1	4	4	1866		18	712	8.7	351	515	4.62	281.2	23		24.45	0.06		
565	6M248	KANGA	1	2	2	1	4	4	1917		9	749	7.2	114	1476	4.22	389.1	29		25.26			
566	6M249	KANGA	1	2	2	1	4	4	1207		20	714	9.0	360	479	5.22	376.0	23	1	23.58	0.19		
567	6M250	KANGA	1	2	2	1	4	4	1746		30	422	1.8	194	19791	0.93	1.1	75.6	1		26.41	0.14	
568	6M251	KANGA	1	1	2	2	2	2	17174		99	10987	5.2	243	9448	0.10		916.0	4		0.73	0.36	
569	6M252	KANGA	1	1	4	2	2	2	23135		43	9523	5.7	171	15575	0.17	2.0	850.9	4	1	0.30	0.31	
570	6M253	KANGA	1	1	2	2	2	2	28244		31	4511	6.2	144	10200	0.12	3.1	900.2	3		0.93	0.26	
571	6M254	KANGA	1	1	2	2	2	2	21587		149	7103	7.0	190	9894	0.14		500.3	3		4.26	0.40	
572	6M255	KANGA	1	1	4	2	2	2	22011		128	6022	5.1	135	15750	0.08	18.4	800.4	4		1.30	0.37	
573	6M256	KANGA	1	1	4	2	2	2	23704		200	5101	4.7	168	9435	0.09	1.5	706.3	4		2.94	0.39	
574	6M257	KANGA	1	3	1	1	1	1	45510		62	4058	3.8	139	15178	0.09		450.9	5		28.50	0.58	
575	6M258	KANGA	1	1	4	2	2	2	34738		51	43	4326	3.4	115	9893	0.08	6.1	512.1	4		38.77	0.50
576	6M259	KANGA	1	1	4	2	2	2	36011		68	4111	12.0	276	9654	0.11	8.5	473.7	3		1.82	0.32	
577	6M260	KANGA	1	1	4	2	2	2	36011		68	4111	12.0	276	9654	0.11	8.5	473.7	3		1.82	0.32	
578	6M261	KANGA	1	1	4	2	2	2	4217		69	51	1823	0.12			1.8	423.6	4		1.44	0.65	
579	6M262	KAPIR	1	1	3	3	3	3	15740		101	4921	7.5	150	8879	0.10	5.3	393.1	5		7.83	0.40	
580	6M263	KAPIR	1	1	3	3	3	3	4764		197	24	4533	6.0	161	16735	0.09		453.1	4		7.78	0.32
581	6M264	KAPIR	1	1	3	3	3	3	4816		18	411	2.2	197	9329	1.03	66.4	76.3	1		5.36	0.16	
582	6M265	KAPIR	1	1	3	3	3	3	4478		34	4118	6.5	146	14873	0.08	14.3	819.2	4		6.10	0.22	
583	6M266	KAPIR	1	1	3	3	3	3	1444		32	5926	4.5	118	9971	0.07	10.1	355.8	4		3.95	0.29	
584	6M267	KAPIR	1	1	3	3	3	3	4771		59	3941	7.0	172	14236	0.06	20.3	812.6	4		4.95	0.22	
585	6M268	KAPIR	1	1	3	3	3	3	3564		110	4206	4.1	119	10078	0.10	21.1	413.4	4		5.14	0.23	
586	6M269	KAPIR	1	1	3	3	3	3	4837		27	418	2.2	195	23595	1.16	62.0	77.3	1		3.60	0.14	
587	6M270	KAPIR	1	1	3	3	3	3	6856		21	306	3.2	318	2055	1.84	202.1	44.1	8		10.80	0.08	
588	6M271	KAPIR	1	1	3	3	3	3	7906		19	283	20.6	331	15693	1.84	116.3	39.2	7		8.56		
589	6M272	KAPIR	1	1	3	3	3	3	7446		17	263	20.5	328	1549	2.28	99.6	36.8	8		9.04	0.05	
590	6M273	KAPIR	1	1	3	3	3	3	6174		31	325	285	21.5	368	2020	2.25	99.2	6		9.23	0.08	
591	6M274	KAPIR	1	1	3	3	3	3	5339		10	279	21.0	323	1575	2.77	108.4	40.5	8		11.32	0.06	
592	6M275	NSALA	1	1	3	3	3	3	1770		68	19	16.5		650	3.40	330.4	0.7	2		7.53	0.14	
593	6M276	NSALA	1	2	4	2	4	2	3752		111	346	23.9	116	2080	3.53	360.5	58.1	14		22.23	0.18	
594	6M277	NSALA	1	2	4	2	4	2	1665		20	212	17.0	141	9132	1.09	91.4	49.0			21.77	0.10	
595	6M278	KONGW	1	2	3	3	3	3	361		67	21	15.5		575	3.97	443.1		1		25.49	0.15	
596	6M279	KONGW	1	2	3	3	3	3	528		91	52	14.0	2	455	3.70	243.2				26.27	0.20	
597	6M280	KONGW	1	2	3	3	3	3	333		28	30	15.3		4015	4.03	322.1				31.09	0.16	
598	6M281	KONGW	1	2	3	3	3	3	380		36	31	14.8		480	4.28	503.9				26.11	0.17	
599	6M282	KONGW	1	2	3	3	3	3	215		610	265	49.0	88	8280	1.48	163.2	31.3	15		26.11	0.17	
600	6M283	KONGW	1	2	3	3	3	3	48		21	10	17.0		305	1.17	358.3				34.50	0.20	
601	6M284	KONGW	1	2	3	3	3	3	145		26	8	16.7	2	271	1.03	139.5				32.63		
602	6M285	KONGW	1	2	3	3	3	3	134		31	9	16.5	28	354	1.15	194.5				30.58	0.10	
603	6M286	KONGW	1	2	3	3	3	3	555			146	18.7	92	608	4.16	488.4				30.24		
604	6M287	KONGW	1	2	3	3	3	3	215		5	131	18.5	71	645	4.10	527.5				32.53		
605	6M288	KONGW	1	2	3	3	3	3	375		10	148	18.0	115	505	4.23	463.2				32.04		
606	6M289	KONGW	1	2	3	3	3	3	173		57	6	14.5	1	717	4.87	272.4				28.61	0.02	
607	6M290	KONGW	1	2	3	3	3	3	3552		32	274	47.0	359	6571	2.05	191.3				19.86		
608	6M291	KONGW	1	2	3	3	3	3	125		63	10	12.4	2	224	5.09	554.5				29.14		
609	6M292	KONGW	1	2	3	3	3	3	152		48	5	13.0	1	300	4.86	510.5				29.14		
610	6M293	ALIGO	1	2	3	3	3	3	2519		88	102	18.5	1	9547	0.59	83.4				54.42	0.03	
611	6M294	ALIGO	1	1	3	3	3	3	2524		79	116	18.7	172	1322	0.88	51.6				10.78		
612	6M295	ALIGO	1	2	3	3	3	3	213		59	111	18.0	1	9144	0.00	48.5				29.30	0.01	
613	6M296	ALIGO	1	2	3	3	3	3	159		18	29	11.1	1	663	4.88	460.3				26.90	0.10	
614	6M297	ALIGO	1	2	3	3	3	3	41		51	21	11.5	1	699	4.74	341.2				26.36	0.01	
615	6M298	ALIGO	1	2	3	3	3	3	3256		348	72	11.0	141	455	0.09	42.5				11.88		
616	6M299	ALIGO	1	2	3	3	3	3	2626		168	280	50.2	116	13972	1.44	210.3				14.91		

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	MN	HG	MD	ND	NI	NB	P	K	RB	SM	SC	SE	SI	AG
617	6M300	ALIGO	1	2		3	4	2	1931	78		6	13.0		660	1.87	322.50		2		18.11	
618	6M301	ALIGO	1	2		3	4	2	78	102		1	14.8		715	1.97	309.50		1		36.57	
619	6M302	ALIGO	1	2		3	4	2	106	21	2	8	12.5	3	507	4.60	654.80				29.36	
620	6M303	ALIGO	1	2		3	4	2	48	19	2	6	10.6	1	544	4.50	541.20				29.54	
621	6M304	ALIGO	1	2		3	4	2	42	598		5	12.0	3	718	4.98	357.40	0.4	2		30.10	
622	6M305	ALIGO	1	2	1		4	1	312	10		346	6.0	772	14.01	1389.50	34.2	9		15.69	0.02	
623	6M306	KADON	1	2		3	4	2	10097			371	6.5	1081	19.02	1972.20	37.9	9		19.07		
624	6M307	KADON	1	2		3	5	2	5252	22	2	68	7.3	1716	4.21	214.30	4.1			22.38		
625	6M308	KADON	1	2		3	5	2	3079	251		61	11.5	921	3.52	697.50		1		24.93	0.08	
626	6M309	KADON	1	2		3	5	2	5215	448		52	12.0	2	753	3.67	551.30				26.20	0.05
627	6M310	KADON	1	2		3	5	2	517	126	2	59	10.5	1	909	3.50	562.40	0.6			27.72	0.03
628	6M311	KADON	1	2		3	5	2	5867	97		83	12.1	1422	834	3.59	750.00	6.0			26.17	0.10
629	6M312	KADON	1	2		3	4	2	9780	651	82	274	48.0	117	9115	1.53	182.40		15		15.07	0.05
630	6M313	KADON	1	2		3	1	2	1922	136		70	12.5		714	3.97	638.20	30.9			23.54	0.08
632	6M315	MLIND	1	2		3	3	2	1296	171		135	22.0	64	766	5.95	581.00	16.1	9		23.42	
633	6M316	MLIND	1	2		3	3	2	333	177		120	23.0	73	919	6.59	627.00	16.3	8		24.30	
634	6M317	MLIND	1	2		3	3	2	24	152	2	109	21.0	73	377	5.93	658.10	14.4	8		32.33	
635	6M318	MLIND	1	2		3	3	2	461				4.8	39	349	3.78	205.00				1.07	
636	6M319	MLIND	1	2		3	3	2	284	20	13		51.5	59	409	3.70	275.60				1.15	
637	6M320	MLIND	1	2		3	3	1	1037	28		32	15.9	199	4418	3.72	612.00				23.18	
638	6M321	MLIND	1	2		3	3	1	611	27		116	91.8	20	10705	3.32	447.80	11.0	44		8.14	
639	6M322	MLIND	1	2		3	3	1	728	19		126	100.0	38	8075	2.18	239.40	24.0	59		8.85	
640	6M323	MLIND	1	2		3	3	1	1473	17		141	101.5	34	8919	2.00	221.50	22.3	42		12.59	
641	6M324	MLIND	1	2		3	3	1	1360	51		157	98.2	36	7025	2.00	294.50	25.1	35		7.66	
642	6M325	MLIND	1	2		3	3	1	1873	28		115	99.2	45	7988	2.25	94.60	23.6	37		11.75	
643	6M326	MLIND	1	2		3	3	1	1496	46		148	110.0	29	7003	2.07	185.20	25.1	40		12.41	0.01
644	6M327	MLIND	1	2		3	3	1	844	57		216	98.7	58	7857	2.60	200.10	24.7	32		9.52	0.05
645	6M328	MLIND	1	2		3	3	1	287	41		144	99.0	50	5879	2.23	122.30	22.1	29		10.10	
646	6M329	MLIND	1	2		3	3	1	901	60		226	97.5	67	7164	1.98	264.50	27.3	31		10.10	
647	6M330	MLIND	1	2		3	3	1	181	38		201	110.2	48	6554	2.00	65.10	23.5	38		21.70	
648	6M331	MLIND	1	2		3	3	1	1315	51		236	115.4	55	7617	2.09	272.00	30.1	41		12.74	
649	6M332	MLIND	1	2		3	3	1	1168	26		219	98.9	42	6266	2.33	231.40	26.7	40		12.98	
650	6M333	MLIND	1	2		3	3	1	972	47		222	101.5	39	7035	2.21	317.50	26.0	37		6.28	
651	6M334	MLIND	1	2		3	3	1	231	38		21	36.3	48	1055	5.41	264.00		2		21.38	
652	6M335	MLIND	1	2		3	3	1	665	102		63	350.6	57	5335	5.19	714.00	8.0	21		12.84	
653	6Y001	TUNDU	1	1	2		1	1	4274	21		448	1.1	784	22971	0.37	15.00	43.8			0.54	0.04
654	6Y002	TUNDU	1	1	2		1	1	4357	133		800	1.6	165	14137	0.77	23.00	122.1			0.35	0.02
655	6Y003	TUNDU	1	1	2		1	1	4334	128		314	1.3	223	9573	0.57	46.00	28.3			0.04	
656	6Y004	TUNDU	1	1	2		1	1	5362	281		403	10.1	201	12088	5.73	5.21	15.5			11.16	0.04
657	6Y005	TUNDU	1	1	2		1	1	3599	67		65	6.9	343	10503	3.53	33.00	68.6			0.29	0.03
658	6Y006	TUNDU	1	1	2		1	1	6741	94		118	12.8	289	12062	7.29	570.00	3.4			11.04	
659	6Y007	TUNDU	1	1	2		1	1	8344	107		488	2.7	2407	32609	0.39	43.00	39.0			0.93	0.52
660	6Y008	TUNDU	1	1	2		1	1	4422	151		115	4.0	456	17798	0.22	17.00	20.2			0.18	0.32
661	6Y009	TUNDU	1	1	2		1	1	3927	73		256	1.1	592	7854	0.58	26.00	60.1			0.47	0.40
662	6Y010	TUNDU	1	1	2		1	1	4162	89	13	253	3.8	340	9873	0.45	29.00	43.8			0.49	0.22
663	6Y011	TUNDU	1	1	2		1	1	4649	126		314	2.8	22	15179	0.77	3.00	18.4			0.33	0.05
664	6Y012	TUNDU	1	1	2		1	1	4513	31		414	1.9	1178	15987	0.35	37.00	95.4	1		1.45	0.35
665	6Y013	TUNDU	1	1	2		1	1	11500	239		453	0.7	255	18345	0.49	27.00	88.3	1		0.77	
666	6Y014	TUNDU	1	1	2		1	1	7160	100		486	0.7	255	14074	0.49	3.00	50.1	1		0.52	0.03
667	6Y015	TUNDU	1	1	2		1	1	14636	131	14	395	9.3	236	333	0.20	22.00	91.0	1		0.88	
668	6Y016	TUNDU	1	1	2		1	1	9124	116		1879	0.7	105	155		260.2				0.07	
669	6Y017	TUNDU	1	1	2		1	1	13653	239		1333	1.4	423	305	0.23	3.00	154.3			0.72	
670	6Y018	TUNDU	1	1	2		1	1	5381	200		10	1.1	1	63	0.11	9.00	200.6	8		1.74	
671	6Y019	TUNDU	1	1	5		1	1	15133	134	11	1303	1.5	92	213	0.11	9.00	200.6	8		1.74	
672	6Y020	TUNDU	1	1	2		1	1	1013	137		72	14.8	27	1881	3.14	115.00		7		23.75	

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

D95	NO	SECTOR	RS	RK	RK2	ALT	OC	LCN	MN	HG	MO	ND	NI	NB	P	K	RB	SM	SC	SE	SI	AG
673	6Y021	TUNDU	1	1	2		1	2	3292	42		186	11.7	19	539	0.66	6	8.1			0.07	0.04
674	6Y022	TUNDU	1	1	2		1	2	1767	161	17	165	2.4	56	629	0.35	16	13.4	2		0.34	
675	6Y023	TUNDU	1	1	2		1	2	2097	10		223	0.5	95	327	0.05		10.7			0.04	
676	6Y024	TUNDU	1	1	2		1	2	2176	62		200	1.4	95	1920	0.07		18.4	2		0.11	0.06
677	6Y025	TUNDU	1	1	2		1	1	2040	149		203	2.4	141	855	0.03		19.6	2		0.04	
678	6Y026	TUNDU	1	1	2		1	1	1948	43		165	1.1	48	1238	0.05	21	22.9	1		0.06	0.09
679	6Y027	TUNDU	1	1	2		1	1	2326	11		268	2.9	40	3200	0.08		21.2			0.17	
680	6Y028	TUNDU	1	1	2		1	2	1635	83		315	1.3	94	3677	0.05	10	75.1	1		0.56	0.15
682	6Y030	SONGW	1	1	2		2	2	4210	192	75	353	0.4	191	2017	0.12	69	105.6	2		0.58	
683	6Y031	SONGW	1	1	2		4	4	16392	132	372	2428	0.6	168	186	0.16		436.3	7		0.35	0.44
684	6Y032	SONGW	1	1	2		4	2	9416	91	56	2751	1.3	92	419	0.09	7	4021.0	3		0.21	0.27
685	6Y033	SONGW	1	2	2		4	1	6943	137	67	2943	2.4	88	812	0.13	3	355.8	11		15.60	0.33
686	6Y034	SONGW	1	3	1		2	1	5799	101	20	2710	0.7	164	955	0.07	25	325.7	13		17.18	0.46
687	6Y035	SONGW	1	1	1		2	2	12114	32	2	1961	1.1	140	1797	0.05		137.4	1		0.10	0.04
688	6Y036	SONGW	1	1	1		2	2	11299	94		1657	0.9	63	2546	0.02		208.6	4		0.10	0.04
689	6Y037	SONGW	1	1	1		2	2	12067	183		1986	1.4	486	2147	1.96		168.9	1		0.22	0.38
690	6Y038	SONGW	1	1	1		2	2	12951	72		2016	4.8	241	2478	0.66	16	152.0	3		0.30	0.24
691	6Y039	SONGW	1	2	4		4	4	6723	133	11	657	4.7	1307	17011	6.38	467	124.0	5	1	15.00	
692	6Y040	SONGW	1	1	1		4	2	13552	139		1961	1.3	449	820	0.57		268.2	3		0.17	0.05
693	6Y041	SONGW	1	1	1		4	2	13375	104		2064	2.1	176	9377	1.58	6	269.1	4		0.55	0.08
694	6Y042	SONGW	1	1	1		4	2	12550	175		1811	3.1	498	3991	2.05	12	229.4	2		0.18	0.20
695	6Y043	SONGW	1	1	1		4	2	10458	63	1	2601	0.7	193	4585	1.02	9	166.3	2		0.22	0.05
696	6Y044	SONGW	1	1	1		4	2	8750	132		2301	0.9	742	8984	0.98	17	377.3	3		0.48	0.10
697	6Y045	SONGW	1	1	2		4	2	13784	125		2631	1.2	853	912	0.11		380.2	4		0.22	0.30
698	6Y046	SONGW	1	2	4		4	2	23016	80	80	1010	5.7	1123	3228	7.09	482	182.9	3		17.55	
699	6Y047	SONGW	1	1	2		2	2	12934	43	29	1089	0.8	254	268	0.19		213.8	5		0.34	
700	6Y048	SONGW	1	1	2		2	2	14804	44		983	1.4	368	666	0.28	8	168.4	1		0.15	
701	6Y049	SONGW	1	1	2		2	2	12968	161		794	0.3	379	1150	0.15	14	288.7	10		3.54	0.03
702	6Y050	SONGW	1	1	2		4	2	10481	149	11	1212	0.2	121	2988	0.10	4	278.5	4		0.29	0.10
703	6Y051	SONGW	1	1	2		4	2	13872	55	183	1723	0.5	253	4985	0.25	6	199.4	3		0.67	0.09
704	6Y052	SONGW	1	1	2		4	2	19866	32		1467	7.3	246	989	0.20	7	135.6	3		0.78	
705	6Y053	SONGW	1	3	1		4	2	21800	109		1511	2.3	88	6798	0.28	13	199.5	5		2.29	
706	6Y054	SONGW	1	1	2		4	2	28253	261		1333	3.2	198	4110	0.10		161.2	4	1	1.06	
707	6Y055	SONGW	1	1	2		4	2	31715	83	12	1274	1.4	179	799	0.31	6	105.6	3		3.40	
708	6Y056	SONGW	1	1	2		4	2	13564	114	12	1624	1.0	144	6971	0.26		183.3	4		0.60	
709	6Y057	SONGW	1	1	2		4	2	30392	170		1539	6.0	267	2355	0.20	13	271.8	3		2.71	0.05
710	6Y058	SONGW	1	1	2		4	2	18267	162	47	1534	2.3	392	2816	2.96	57	198.7	7		5.31	
711	6Y059	SONGW	1	1	2		4	2	16435	38	15	2177	1.6	372	391	0.73	31	283.5	4		1.38	
712	6Y060	SONGW	1	1	2		4	2	13224	110		1600	2.7	94	4410	0.60	42	237.3	5		0.44	0.20
713	6Y061	SONGW	1	1	2		4	2	28393	10	26	3792	1.0	260	22642	0.24	6	480.3	6		0.61	0.36
714	6Y062	SONGW	1	1	2		1	2	10852	62	21	2990	2.7	844	246	0.19		190.6	5		0.44	
715	6Y063	SONGW	1	1	2		1	2	12516	28	79	2858	0.8	561	870	0.22		425.1	6		0.71	
716	6Y064	SONGW	1	1	2		1	2	10291	41		548	0.8	548	1444	0.10		348.6	3		0.47	
717	6Y065	SONGW	1	1	2		1	1	11145	102	20	2959	0.3	491	1770	0.20		244.2	6		1.12	0.21
718	6Y066	SONGW	1	1	2		1	1	13940	127		587	1.2	587	264	0.32		461.3	11		0.77	0.33
719	6Y067	SONGW	1	1	2		1	1	14756	71	1	3113	1.4	186	1253	0.17		266.7	8		0.36	0.12
720	6Y068	SONGW	1	1	2		1	1	15005	109	75	3454	1.6	37	1050	0.06		593.6	9		0.27	0.20
721	6Y069	SONGW	1	3	2		1	2	14761	156	5	3657	3.3	127	710	0.55		124.6	6		0.36	0.08
722	6Y070	SONGW	1	1	2		4	4	79156	130	1230	467	5.8	48	144	0.96	48	82.1	3	1	3.02	0.11
723	6Y071	SONGW	1	1	2		1	1	15799	384	1	2619	6.0	112	3209	0.73	6	331.3	4		1.15	
724	6Y072	SONGW	1	1	2		1	1	15093	82	14	2439	15.1	491	783	0.99	37	438.4	11		2.48	0.81
725	6Y073	SONGW	1	1	2		1	1	15138	126		2470	1.2	697	5746	0.15		303.3	5		0.48	0.17
726	6Y074	SONGW	1	1	2		1	1	13111	136	2	3116	1.4	1102	27176	0.24		390.1	4		0.55	
727	6Y075	SONGW	1	1	2		1	1	16807	211		3613	2.5	114	8815	0.15		241.9	3		0.53	
728	6Y076	SONGW	1	1	2		1	2	15671	247		3343	1.1	789	7170	0.22	6	278.7	3		0.46	

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

DBS	ND	SECTOR	RS	RK	RK2	ALT	OC	LCN	MN	HG	MG	ND	NI	NB	P	K	RB	SM	SC	SE	SI	AG	
729	6Y077	SONGW	1	1	2		1	2	15329	111		3015	1.4	868	4159	0.17		337.6	5		0.37	0.07	
730	6Y078	SONGW	1	1	2		1	2	19370	53		3953	2.3	921	5550	0.20	3	214.4	2		0.47		
731	6Y079	SONGW	1	1	2		1	2	13682	41		3087	1.1	68	11991	0.12	4	406.5	4		0.30		
732	6Y080	NAMAN	1	2	2		5	2	1879	160		18	11.1	37	5835	1.98	92	289.8	17		24.03		
733	6Y081	NAMAN	1	2	2		5	2	1875	132		19	18.5	96	2210	2.68	204	0.7	15		21.93		
734	6Y082	NAMAN	1	2	2		5	1	137	67		24	13.6	165	487	1.55	13	43.6	13		27.96		
735	6Y083	NAMAN	1	2	2		5	1	2542	209		25	3.7	83	753	1.27	7	16.4	10		26.01	0.10	
736	6Y084	NAMAN	1	2	2		5	3	1595	162		20	5.8	41	935	2.34	5	30.4	8	1	26.66	0.05	
737	6Y085	NAMAN	1	2	2		5	3	1849	271		89	14.0	59	775	1.57	18		9		26.11		
738	6Y086	NAMAN	1	3	2		5	3	612	40		43	14.1	36	66	0.39	26		4		37.79	0.14	
739	6Y087	NAMAN	1	2	2		5	1	976	45		41	9.9	20	621	1.88	38		6		27.48		
740	6Y088	NAMAN	1	2	2		5	1	271	132		19	2.2	48	998	1.05	8	59.4	7		28.35	0.07	
741	6Y089	NAMAN	1	2	2		5	1	1476	61		35	7.5	92	3111	0.93	24		11		28.07		
742	6Y090	NAMAN	1	2	2		5	1	1887	157		21	5.3	213	955	1.52	9	26.3	15		28.12		
743	6Y091	NAMAN	1	2	2		5	1	3898	83		55	12.0	142	4985	1.27	115	15			24.85		
744	6Y092	NAMAN	1	1	2		5	1	69	221		50	1.9	44	3015	1.02	33	69.1	5		31.18	0.05	
745	6Y093	NAMAN	1	3	2		1	1	6577	62		48	1.2	98	2150	2.77	11		5		2.34		
746	6Y094	NAMAN	1	3	2		3	2	83	92		47	5.0	315	606	2.05	4		11		43.08		
747	6Y095	NAMAN	1	3	2		3	2	63	265		58	3.5	69	2755	2.00	25	166.4	15	1	40.05	0.02	
748	6Y096	NAMAN	1	3	2		1	1	39	130		25	9.0	10	638	3.04	392	0.2			29.64		
749	6Y097	NAMAN	1	3	2		1	1	116	171		26	7.4	43	582	1.57	172				29.78		
750	6Y098	NAMAN	2	3	2		1	1	46	115		15	13.4	51	440	2.00	249	23.1	4		32.02		
751	6Y099	NAMAN	1	3	2		1	1	63	186		16	10.5	14	720	2.88	42	79.6	3		31.98		
752	6Y100	NAMAN	1	3	2		1	1	136	67		13	11.1	7	455	1.05	263	137.3	2		31.38		
753	6Y101	NAMAN	1	3	2		1	1	65	20		14	15.2	2	475	1.57	197				38.68		
754	6Y102	NAMAN	1	3	2		1	1	48	10		12	14.3		572	1.68	313				38.99		
755	6Y103	NAMAN	1	3	2		1	1	90	127		10	14.5		750	2.98	97	62.3			34.26	0.03	
756	6Y104	NAMAN	2	3	2		1	1	6770	219		8	13.1		895	1.88	90	185.9			40.12		
757	6Y105	NAMAN	1	3	2		1	1	299	93		9	5.7	1	335	1.78	87	134.7			35.00		
758	6Y106	NAMAN	1	3	2		1	1	124	293		10	18.1	33	550	0.98	293				32.83	0.08	
759	6Y107	NAMAN	1	3	2		1	1	3468	61		11	8.2	162	550	1.92	383	33.4	1		30.57		
760	6Y108	NAMAN	1	3	2		1	1	99	132		20	24.8	6	185	2.65	280				34.64		
761	6Y109	NAMAN	1	3	2		1	1	254	46		7	4.4		672	2.22	96	16.7			34.58		
762	6Y110	NAMAN	1	3	2		1	1	195	101		6	7.8	1	420	2.48	73				35.16		
763	6Y111	NAMAN	1	3	2		1	1	8	104		5	13.6	49	309	3.00	229	0.2			33.62	0.10	
764	6Y112	NAMAN	1	3	2		1	1	44	169		10	2.5		450	2.55	121				31.92		
765	6Y113	NAMAN	1	3	2		1	1	153	87		12	16.5	2	692	3.21	278				32.61		
766	6Y114	NAMAN	1	3	2		3	2	74	118		185	15.6	88	8915	1.87	51				42.81		
767	6Y115	TUNDU	1	1	2		1	2	2842	172		214	7.6	63	6897	0.99		36.1	1		0.50		
768	6Y116	TUNDU	1	1	2		1	2	2870	86		215	1.4	1	11785	0.14		14.3	2		0.57		
769	6Y117	TUNDU	1	1	2		1	2	2688			215	3.2	39	7164	0.14		11.8	3		1.01	0.06	
770	6Y118	TUNDU	1	1	2		1	2	2337	20		196	1.3	19	7400	0.10		9.4	2		0.59		
771	6Y119	TUNDU	1	1	2		1	2	2470	27		217	2.1	157	4697	0.20		8.5	1		0.95		
772	6Y120	TUNDU	1	1	2		1	2	2589	181		201	4.6	264	1112	0.50		27.9	4		0.50	0.05	
773	6Y121	TUNDU	1	1	2		2	2	2568	132		1	200	5.6	69	22	0.14		10.2	5		0.81	
774	6Y122	TUNDU	1	1	2		2	2	3112	100		216	6.7	188	3255	0.20		14.7	4		0.93		
775	6Y123	TUNDU	1	1	2		2	2	3298	21		185	9.2	56	5587	0.33		7.4	3		0.55		
776	6Y124	TUNDU	1	1	2		2	2	11077	36		763	7.6	428	382	0.15		151.3	3		0.53	0.10	
777	6Y125	TUNDU	1	1	2		2	2	8487	73		817	5.1	241	500	0.18		39.1	3		2.45	0.05	
778	6Y126	TUNDU	1	1	2		2	2	8832	47		980	3.2	750	1413	0.11		125.0	4		4.39		
779	6Y127	TUNDU	1	1	2		2	2	2834	90		226	0.9	4	8	0.04		17.1	4		0.02		
780	6Y128	TUNDU	1	1	2		2	2	3650	42		193	1.7	39	925	0.08		60.5	3		0.42		
781	6Y129	TUNDU	1	1	2		2	2	2134	63		193	3.3	29	750	0.02		32.3	2		0.40	0.05	
782	6Y130	TUNDU	1	1	2		2	2	3129	66		214	0.7	23	399	0.15		30.1	1		2.38		
783	6Y131	TUNDU	1	1	2		2	2	3055	40		253	1.5	36	3269	0.06		22.7	1		0.29	0.05	
784	6Y132	TUNDU	1	1	2		2	2	2255	53		199	0.8	5	1192	0.04		13.6	1		0.19		

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	MN	HG	MO	ND	NI	NB	P	K	RB	SM	SC	SE	SI	AG
785	6Y133	TUNDU	1	1	2		2	1	2393			196	9.7	58	1850	0.92	62	0.9	10		0.27	
786	6Y134	TUNDU	1	1	2		2	2	2589	50.00		180	9.0	474	2025	2.33	72	23.1	12		0.84	0.08
787	6Y135	TUNDU	1	1	2		2	1	2456	11.00	6	222	12.0	277	1927	1.98	52		8		0.39	
788	6Y136	TUNDU	1	1	2		4	2	2404			30	34.8	382	1368	5.24	401		27		18.97	0.11
789	6Y137	TUNDU	1	1	2		4	2	2195	53.00		28	11.0	256	1399	2.77	243	22.1	26		22.92	0.05
790	6Y138	TUNDU	1	1	2		2	2	2918	22.00	14	101	1.5	393	685	1.97	48	23.6	10		1.22	
791	6Y139	TUNDU	1	1	2		2	2	12146	121.00	1	137	14.2	162	832	3.05	7	15.7	6		0.28	
792	6Y140	TUNDU	1	1	2		2	1	1924	20.00	18	191	2.8	150	692	3.32	13		5		1.82	
793	6Y141	TUNDU	1	1	2		2	1	1736	0.33		184	8.5	62	672	0.98		9.0			0.07	0.05
794	6Y142	TUNDU	1	1	2		2	2	1895	61.00		163	4.6	146	553	0.82			6		0.50	0.03
795	6Y143	TUNDU	1	1	2		2	2	2242	37.00		180	0.7	79	143	0.08		10.4	6		0.79	0.13
796	6Y144	TUNDU	1	1	2		2	1	1737	49.00		243	1.3	1	8145	0.11	20	16.8			0.31	
797	6Y145	TUNDU	1	1	2		2	2	1780	76.00		286	0.8	98	2449	0.61	31	67.7			0.27	
798	6Y146	CHILW	1	1	3		1	1	8702	59.00	26	1660	5.8	79	25	6.83	451	420.1			25.57	
799	6Y147	CHILW	1	1	3		1	1	23613	87.00	47	685	6.2	154	3453	0.05		681.3			6.24	
800	6Y148	CHILW	1	1	3		1	1	14115	51.00	20	1035	3.9	67	987	2.50	5	325.9			24.78	
801	6Y149	CHILW	1	1	3		1	1	4759	103.00	16	1356	7.7	58	4002	2.23	9	298.1			21.34	
802	6Y150	CHILW	1	1	3		1	1	12312	92.00	37	1413	1.3	85	727	3.10		351.7			22.54	0.05
803	6Y151	CHILW	1	1	3		3	2	56208	92.00	111	614	8.7	27	291	0.14		215.4			2.86	
804	6Y152	CHILW	1	1	2		1	2	4252	57.00	28	1115	2.2	163	1128	0.06	6	73.3			5.45	
805	6Y153	CHILW	1	1	2		1	2	4042	71.00	13	1361	4.3	148	927	0.20	11	112.2			0.36	0.08
806	6Y154	CHILW	1	1	2		1	1	4750	94.00	3	213	9.6	424	5897	0.04		210.9			1.25	
807	6Y155	CHILW	1	1	2		1	1	2486	33.00	22	1461	4.7	318	888	0.07		57.0			1.22	
808	6Y156	CHILW	1	1	2		1	1	8271	10.00		1500	0.4	392	1050	0.20	3	105.2			2.02	
809	6Y157	CHILW	1	1	2		1	1	14642	59.00	43	1318	0.2	449	1877	0.15	5	364.4			11.44	0.03
810	6Y158	CHILW	1	1	2		1	1	6801	76.00	15	1264	2.3	1	425	0.02		389.8			0.42	
811	6Y159	CHILW	1	1	2		1	1	7629	23.00	15	1269	2.5	69	972	0.09	5	212.1			0.51	
812	6Y160	CHILW	1	1	2		1	1	5897	51.00		261	1.3	118	775	0.35	11	21.5			4.07	
813	6Y161	CHILW	1	1	2		1	1	4264	83.00	1	349	1.5	42	688	0.20	28	51.3			1.61	
814	6Y162	CHILW	1	1	2		1	1	5016	53.00		300	0.9	25	537	0.50	4	68.6			1.18	0.05
815	6Y163	CHILW	1	1	2		1	1	3737	121.00		296	4.9	61	799	0.78		21.4			1.32	
816	6Y164	CHILW	1	1	2		1	1	3417	87.00	11	413	2.1	75	999	0.10	4	25.9			0.77	0.10
817	6Y165	CHILW	1	1	2		1	1	4213	86.00	16	250	10.4	63	750	0.72	9	118.1			1.37	
818	6Y166	CHILW	1	1	2		1	1	1314	145.00		196	3.4	33	489	0.35	3	146.7			0.61	
819	6Y167	CHILW	1	1	2		1	1	5895	21.00	25	201	1.2	84	755	0.38	13	50.4			4.77	
820	6Y168	CHILW	1	1	2		1	1	3360	93.00	29	267	4.1	27	1125	0.55	10	38.0			1.91	0.03
821	6Y169	CHILW	1	1	2		1	1	4389	56.00		185	6.3	68	725	0.68	6	59.4			2.42	
822	6Y170	CHILW	1	1	2		1	1	2602	31.00		145	7.4	55	1250	0.20	17	38.3			0.74	
823	6Y171	CHILW	1	1	2		1	1	2315	101.00		151	5.9	67	525	0.66		5.2			1.01	
824	6Y172	CHILW	1	1	2		1	1	6658	76.00		137	3.1	332	1404	0.74	35	2.0			3.23	
825	6Y173	CHILW	1	1	2		1	1	2833	161.00		313	8.7	82	2898	0.42	12				26.06	0.05
826	6Y174	CHILW	1	1	2		1	1	2992	66.00		196	2.2	43	16137	0.15		11.2			2.70	
827	6Y175	CHILW	1	1	2		1	1	8900	43.00	13	180	1.4	132	6414	0.20					2.70	
828	6Y176	CHILW	1	1	2		1	1	5730	103.00	29	135	2.8	113	4572	0.35	4	44.3			0.57	
829	6Y177	CHILW	1	1	2		1	1	4335	45.00		200	0.2	141	7913	0.13		34.5			0.35	0.07
830	6Y178	CHILW	1	1	2		1	1	3501	101.00		218	2.7	329	1399	0.09		32.7			0.70	0.11
831	6Y179	CHILW	1	1	2		1	1	6054	177.00		347	1.0	299	5005	0.04					2.88	0.05
832	6Y180	CHILW	1	1	2		1	1	5777	176.00	34	440	0.5	537	8018	0.04		60.0			0.57	0.11
833	6Y181	CHILW	1	1	2		1	1	7849	21.00	5	528	2.7	163	11344	0.02		84.1			1.05	
834	6Y182	CHILW	1	1	2		1	1	5375	12.00	7	511	2.4	144	11015	0.03	10	59.4			1.15	
835	6Y183	CHILW	1	1	2		1	1	1775	34.00	8	539	2.8	156	16174	0.02	3	47.6			0.27	
836	6Y184	CHILW	1	1	2		1	1	1905	11.00	1	467	3.4	135	9916	0.03		49.9			0.49	0.05
837	6Y185	CHILW	1	1	2		1	1	2533	10.00	1	651	3.6	138	13555	0.01		64.2			2.46	
838	6Y186	CHILW	1	1	2		1	1	5973	14.00	2	670	6.3	180	9894	0.02	3	62.8			0.57	
839	6Y187	CHILW	1	1	2		1	1	8178		3	331	6.0	192	14912	0.02		51.0			0.14	
840	6Y188	CHILW	1	1	2		1	1	7360		7	357	5.4	126	9955	0.02	5	56.2			0.81	

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DBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	MN	HG	MO	ND	NI	NB	P	K	RB	SM	SC	SE	SI	AG
841	6Y189	CHILW	1	1	2		1	1	6842		8	220	4.2	173	9897	0.06		78.4	5		1.00	0.20
842	6Y190	CHILW	1	1	2		1	1	4346		8	136	5.5	87	8855	0.13		13.1	4		0.50	0.23
843	6Y191	CHILW	1	1	2		1	2	2956		19	351	3.6	195	12356	0.60	25	44.0	3		3.67	0.23
844	6Y192	CHILW	1	1	2		1	2	2561		21	178	0.4	118	5517	0.10	11	16.2	2		1.37	0.22
845	6Y193	CHILW	1	1	2		1	2	2619	12	6	267	1.3	174	2505	0.06	4	31.9	1		1.08	0.27
846	6Y194	CHILW	1	1	2		1	1	1983		1	209	1.5	137	2137	0.06	4	17.7	1		0.38	0.33
847	6Y195	CHILW	1	1	2		1	1	3942	23	1	145	1.7	156	1953	0.05	32	24.1	1		4.74	0.24
848	6Y196	CHILW	1	1	2		1	1	2426	13	2	77	2.6	180	1915	0.06	9	21.4	1		1.12	
849	6Y197	CHIKA	1	2			3	1	914	21	2	39	7.2	78	1197	3.02	142	0.7	5		21.27	
850	6Y198	CHIKA	1	3			1	1	3406	33	1	56	7.0	95	1109	3.02	24		4		15.55	
851	6Y199	MONGO	1	2			4	1	718	59	3		2.0	142	1005	1.56	60		5		25.70	
852	6Y200	MONGO	1	2			4	2	1869	26	6	339	7.3	63	1454	2.90	34				19.17	
853	6Y201	KANGA	1	1	3		1	1	42916	38	330	3065	6.7	157	16269	0.02		209.1			2.61	0.65
854	6Y202	KANGA	1	1	3		1	1	22636	19	206	3181	6.1	118	9587	0.03	6	94.9	2		5.27	0.40
855	6Y203	KANGA	1	1	3		1	1	24645	36	158	2760	5.2	164	13158	0.04	7	294.6	1		3.85	0.51
856	6Y204	KANGA	1	1	3		1	1	20200	22	90	2338	5.8	272	9819	0.01	5	283.0	1		5.86	0.45
857	6Y205	KANGA	1	1	3		1	1	20735	9	133	3295	6.3	253	12575	0.01	15	194.3	2		6.47	0.54
858	6Y206	KANGA	1	1	3		1	1	20690	46	175	2622	6.5	918	9984	0.02	11	71.3	1		6.89	0.38
859	6Y207	KANGA	1	1	3		1	1	26294	8	136	3390	5.9	129	9215	0.03	6	298.2	1		6.26	0.60
860	6Y208	KANGA	1	1	3		1	1	23524	7	138	2683	7.7	266	11616	0.03	16	199.9	2		3.93	0.45
861	6Y209	KANGA	1	1	3		1	1	25207	27	159	2661	6.5	192	9719	0.03	8	223.4	3		5.32	0.40
862	6Y210	KANGA	1	1	3		1	1	23640		67	2325	7.5	179	9618	0.02	11	191.3	2		5.67	0.54
863	6Y211	KANGA	1	1	3		1	1	23500		174	2707	7.1	334	8596	0.01		202.6	3		4.93	0.49
864	6Y212	KANGA	1	1	3		1	1	28207		175	2101	6.2	282	8253	0.02	9	223.9	2		5.16	0.44
865	6Y213	KANGA	1	1	3		1	1	23602	11	242	2292	8.0	225	9005	0.03	7	114.1	3		6.21	0.51
866	6Y214	KANGA	1	1	3		1	1	34002		218	1967	4.9	391	9516	0.04	17	284.0	3		4.03	0.43
867	6Y215	KANGA	1	1	3		1	1	30270		155	1538	7.0	360	8844	0.04	8	193.3	5		4.65	0.55
868	6Y216	KANGA	1	1	3		1	1	34256		136	1605	8.5	189	8155	0.05	11	194.8	4		4.47	0.55
869	6Y217	KANGA	1	1	3		1	1	14441	23	161	1711	5.3	469	8918	0.03	3	15.8	5		8.43	0.56
870	6Y218	KANGA	1	1	3		1	1	23019		56	1982	8.4	387	9912	0.02	12	285.7	4		6.16	0.50
871	6Y219	KANGA	1	1	3		1	1	23296		98	1783	7.6	368	9615	0.02	12	130.2	7		7.86	0.38
872	6Y220	KANGA	1	1	3		1	1	31079		60	2400	8.6	245	10151	0.02	17	7.1	5		3.37	0.40
873	6Y221	KANGA	1	1	3		1	1	10496		54	1776	7.7	872	9192	0.04	262	125.4	7		13.05	0.36
874	6Y222	KANGA	1	1	3		1	1	23198		71	2892	9.3	761	8546	0.02	180	297.4	5		8.12	0.40
875	6Y223	KANGA	1	1	3		1	1	14681		42	2107	8.1	447	8105	0.03	116	231.0	6		10.35	0.49
876	6Y224	KANGA	1	1	3		1	1	36336		61	2763	5.7	321	8073	0.03	90	204.3	5		10.16	0.41
877	6Y225	KANGA	1	1	3		1	1	32816	32	36	5337	7.0	321	8073	0.03	127	185.1	5		5.89	0.58
878	6Y226	KANGA	1	1	3		1	1	24795	34	59	4865	6.1	211	9455	0.01	106	159.2	5		9.57	0.47
879	6Y227	KANGA	1	1	3		1	1	3903	29	75	3210	8.5	372	8217	0.01	115	23.1	3		11.98	0.36
880	6Y228	KANGA	1	1	3		1	1	18692		75	2893	7.9	440	8838	0.02	75	256.6	5		9.17	0.40
881	6Y229	KANGA	1	1	3		1	1	23571		25	6007	10.2	329	9545	0.04	60	198.3	3		10.09	0.40
882	6Y230	KANGA	1	1	3		1	1	19556		21	5427	8.0	290	8415	0.02	12	409.2	4		5.94	0.37
883	6Y231	KANGA	1	1	3		1	1	13554		29	6614	8.9	319	9431	0.03		481.3	3		8.71	0.39
884	6Y232	KANGA	1	1	3		1	1	21185		33	5083	11.1	215	9218	0.03		296.3	4		6.16	0.47
885	6Y233	KANGA	1	1	3		1	1	73570	89	213	7729	13.9	522	19150	0.09		15.9	7		8.69	0.38
886	6Y234	KANGA	1	1	3		1	1	23284	11	104	5551	8.6	349	7518	0.04	15	297.7	3		5.04	0.40
887	6Y235	KANGA	1	1	3		1	1	73191	93	247	8347	16.7	192	7847	0.02		24.6	3		5.63	0.36
888	6Y236	KANGA	1	1	3		1	1	24886		93	5409	9.9	123	6514	0.03	5	58.1	2		2.08	0.39
889	6Y237	KANGA	1	1	3		1	1	21808		176	4632	10.3	118	7156	0.03	21	59.6	3		6.40	0.38
890	6Y238	KANGA	1	1	3		1	1	27922	22	150	2378	9.5	79	6484	0.02	7	9.9	2		4.09	0.38
891	6Y239	KANGA	1	1	3		1	1	19845		134	3721	10.2	92	5109	0.01	9	6.2	2		6.47	0.36
892	6Y240	KANGA	1	1	3		1	1	21068	23	175	2800	11.3	158	6415	0.01	3	22.1	2		7.38	0.50
893	6Y241	KANGA	1	1	3		1	1	31523	42	165	2738	11.1	127	4517	0.01		220.8	2		9.19	0.44
894	6Y242	KANGA	1	1	3		1	1	26551	23	161	3945	12.0	144	5852	0.01	3	285.2	2		5.65	0.49
895	6Y243	KANGA	1	1	3		1	1	30917		221	3067	12.2	262	6414	0.02		334.4	4		7.89	0.40
896	6Y244	KANGA	1	1	3		1	1	31237	29	206	3899	10.5	371	5515	0.01		279.7	2		8.55	0.37

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OBS	NQ	SECTOR	RS	RK	RK2	ALT	OCC	LCN	MN	HG	MO	ND	NI	NB	P	K	RB	SM	SC	SE	SI	AG
897	6Y245	KANGA	1	1	3		1	1	33790	21	237	2731	10.9	268	6787	0.03		146-2	2		4.53	0.55
898	6Y246	KANGA	1	1	3		1	1	68185	112	267	6050	18.1	1551	36852	0.07	2	497-6	9		10.06	1.08
899	6Y247	KANGA	1	1	3		1	1	70364	141	311	7011	17.5	742	33951	0.04	4	388-4	11		8.24	0.88
900	6Y248	KANGA	1	1	3		1	1	11758	22	41	13055	4.9	171	23941	0.01	2	843-0	3		8.71	
901	6Y249	KANGA	1	1	3		1	1	19114	31	127	4625	5.9	128	18466	0.02	16	151-0	1		6.40	0.87
902	6Y250	KANGA	1	1	3		1	1	33725	72	53	3980	6.4	119	12896	0.01	8	263-0	2		4.72	0.94
903	6Y251	KANGA	1	1	3		1	1	34889	113	96	4183	5.5	141	14429	0.01	2	319-4	2		3.89	1.15
904	6Y252	KANGA	1	1	3		1	1	29132	81	48	5063	11.5	175	17120	0.01	2	97-6	2		0.79	0.99
905	6Y253	KANGA	1	1	3		1	1	69035	183	167	7258	11.0	1023	32418	0.05	4	403-1	7		7.67	0.88
906	6Y254	KANGA	1	1	3		1	1	28747	21	38	5618	11.7	146	8215	0.03	12	297-2	4		4.66	0.95
907	6Y255	KANGA	1	1	3		1	1	18029	42	66	4722	11.5	87	9107	0.05	4	84-9	4		7.26	0.78
908	6Y256	KANGA	1	1	3		1	1	25303	29	5	4093	9.8	98	8955	0.04	8	432-4	3		6.28	0.77
909	6Y257	KANGA	1	1	3		1	1	20899	26	31	4861	11.6	169	8545	0.03	7	351-8	2		5.79	0.70
910	6Y258	KANGA	1	1	3		1	1	20326	22	7	4501	13.3	128	8017	0.12	6	145-7	3		3.61	0.61
911	6Y259	KANGA	1	1	3		1	1	18668	41	44	6526	12.2	114	9418	0.16	16	423-6	5		1.65	0.75
912	6Y260	KANGA	1	1	3		1	1	16223	52	3	5333	7.7	73	9819	0.15	6	462-4	4		6.77	0.80
913	6Y261	KANGA	1	1	3		1	1	20034	23	3	6483	10.6	96	9120	0.07	5	515-2	5		5.53	0.75
914	6Y262	KANGA	1	1	3		1	1	10025	12	4	5619	13.6	117	9549	0.15	10	294-2	6		3.46	0.74
915	6Y263	KANGA	1	1	3		1	1	16678	19	97	6327	13.2	98	9914	0.24	16	483-8	5		3.96	0.60
916	6Y264	KANGA	1	1	3		1	1	17029	10	35	4998	14.3	132	9018	0.20	13	365-7	7		6.98	0.64
917	6Y265	KANGA	1	1	3		1	1	14572	38	1	5461	13.0	111	15419	0.23	5	321-6	5		7.76	0.76
918	6Y266	KANGA	1	1	3		1	1	21077	21	41	4123	13.4	99	13007	0.33	21	460-0	6		3.43	0.70
919	6Y267	KANGA	1	1	3		1	1	15775	23	87	4705	15.3	85	19075	0.21	17	92-1	5		19.93	0.66
920	6Y268	KANGA	1	1	3		1	1	16890	64	214	3309	15.1	113	9451	0.26	16	273-9	5		7.29	0.45
921	6Y269	KANGA	1	1	3		1	1	26110	9	91	2361	14.7	142	10078	0.37	8	323-2	5		7.38	0.45
922	6Y270	KANGA	1	1	3		1	1	30288	27	186	1755	16.0	94	9566	0.30	5	321-5	6		3.11	0.39
923	6Y271	KANGA	1	1	3		1	1	25124	8	183	2910	16.5	163	14826	0.53	2	247-3	6		2.59	0.44
924	6Y272	KANGA	1	1	3		1	1	25659	27	177	3318	17.1	138	23150	0.45	32	93-3	5		3.62	0.37
925	6Y273	KANGA	1	1	3		1	1	24072	49	110	2534	15.9	179	11212	0.37	11	354-6	7		6.55	0.40
926	6Y274	KANGA	1	1	3		1	1	27921	62	194	3478	16.3	142	14351	0.37	41	48-8	6		2.44	0.55
927	6Y275	KANGA	1	1	3		1	1	24211	24	107	2100	13.9	150	9218	0.45	12	164-7	7		8.60	0.41
928	6Y276	KANGA	1	1	3		1	1	23775	78	93	4123	11.5	201	24419	0.03	7	235-5	10		5.15	0.08
929	6Y277	KANGA	1	1	3		1	1	19414	21	68	2123	6.7	130	20173	0.43	3	85-2	9		6.56	0.35
930	6Y278	KANGA	1	1	3		1	1	26041	38	75	2461	8.6	177	23457	0.41	12	124-3	10		8.09	0.58
931	6Y279	KANGA	1	1	3		1	1	22066	42	13	1807	8.2	195	19754	0.50	5	325-1	9		8.01	0.34
932	6Y280	KANGA	1	1	3		1	1	19554	33	6	1781	8.4	246	24458	0.56	10	220-1	11		4.62	0.28
933	6Y281	KANGA	1	1	3		1	1	25317	61	1	1922	7.5	219	27580	0.53	7	293-3	13		3.55	0.28
934	6Y282	KANGA	1	1	3		1	1	33517	83	31	2265	7.8	190	21046	0.44	4	99-5	14		6.81	0.34
935	6Y283	KANGA	1	1	3		1	1	14257	39	5	2289	7.7	168	14765	0.49	3	184-4	10		4.39	0.32
936	6Y284	KANGA	1	1	3		1	1	15350	91	5	2301	9.9	217	19818	0.48	16	67-8	7		4.06	0.30
937	6Y285	KANGA	1	1	3		1	1	5090	112	91	1737	8.2	172	29450	0.37	11	203-7	8		3.63	0.45
938	6Y286	KANGA	1	1	3		1	1	16240	78	6	1401	6.8	191	28107	0.35	16	291-7	6		7.51	0.39
939	6Y287	KANGA	1	1	3		1	1	18016	28	63	1073	8.9	263	27425	0.29	21	340-9	7		5.15	0.38
940	6Y288	KANGA	1	1	3		1	1	13480	22	132	1007	5.8	68	19173	0.36	34	139-2	8		5.58	0.31
941	6Y289	KANGA	1	1	3		1	1	5487	12	96	1329	7.2	170	26818	0.35	7	87-9	5		4.52	0.40
942	6Y290	KANGA	1	1	3		1	1	8336	76	76	2683	9.3	219	16179	0.39	30	143-6	4		4.37	0.40
943	6Y291	KANGA	1	1	3		1	1	30452	54	163	2110	7.2	221	23184	0.25	51	140-8	5		3.47	0.42
944	6Y292	KANGA	1	1	3		1	1	18027	93	135	2432	8.8	196	19827	0.17	40	12-3	4		4.91	0.41
945	6Y293	KANGA	1	1	3		1	1	30211	39	211	1531	6.7	113	21355	0.10	5	103-1	6		3.33	0.40
946	6Y294	KANGA	1	1	3		1	1	30531	83	164	2629	8.4	214	23028	0.13	11	17-4	4		3.66	0.38
947	6Y295	KANGA	1	1	3		1	1	22930	36	337	2089	6.4	142	14185	0.04	19	78-5	6		9.31	0.41
948	6Y296	KANGA	1	1	3		1	1	25481	52	253	1518	7.5	225	10074	0.04	14	52-6	4		8.44	0.40
949	6Y297	KANGA	1	1	3		1	1	20209	36	211	1791	7.5	197	21351	0.05	9	56-5	3		7.19	0.50
950	6Y298	KANGA	1	1	3		1	1	30678	91	225	2323	8.5	193	24518	0.03	4	77-8	4		2.41	0.34
951	6Y299	KANGA	1	1	3		1	1	37342	83	264	1005	7.2	122	19145	0.04	5	77-1	4		7.15	0.70
952	6Y300	KANGA	1	1	3		1	1	29650	56	167	1333	8.4	131	24318	0.04		86-9	3		5.22	0.55

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DSS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	MN	HG	MO	ND	NI	NB	P	K	RB	SM	SC	SE	SI	AG
953	6Y301	KANGA	1	1	3		1	1	36012	114	317	1215	7.8	146	19103	0.02		77.9	3		1.82	0.77
954	6Y302	KANGA	1	1	3		1	1	32473	57	392	1264	9.4	93	11574	0.01	3	84.2	3		5.04	0.60
955	6Y303	KANGA	1	1	1		1	1	27372	82	345	1630	5.8	98	15615	0.02	21	76.2	3		6.02	0.41
956	6Y304	KANGA	1	1	1		1	1	19336	46	302	1285	7.3	133	15885	0.01	6	55.2	3		8.15	0.42
957	6Y305	KANGA	1	1	3		1	1	25419	68	328	992	6.4	142	18190	0.03	13	88.4	3		6.92	0.38
958	6Y306	KANGA	1	1	1		1	1	23673	47	268	903	8.3	97	19270	0.03	1	84.9	1		2.00	0.40
959	6Y307	KANGA	1	1	3		1	1	25892	133	342	2116	15.0	268	16814	0.02		101.1	2		7.13	0.50
960	6Y308	KANGA	1	1	3		1	1	28713	62	373	1889	13.2	272	19039	0.01		122.0	2		5.62	0.47
961	6Y309	KANGA	1	1	3		1	1	19737	62	107	2538	6.0	101	12150	0.01		175.8	2		4.93	0.49
962	6Y310	KANGA	1	1	3		1	1	17992	91	56	2065	3.1	123	11585	0.02		132.4	3		3.85	0.59
963	6Y311	KANGA	1	1	1		1	1	22061	113	78	3223	3.9	84	14582			234.2	2		3.26	0.70
964	6Y312	KANGA	1	1	1		1	1	26766	120	233	1799	11.9	249	18027	0.01		97.5	2		4.33	0.49
965	6Y313	KANGA	1	1	3		1	1	18761	88	86	2637	7.1	99	14450	0.02	11	86.6	4		7.64	0.44
966	6Y314	KANGA	1	1	3		1	1	22109	123	50	3086	6.6	122	17028	0.01	18	93.7	3		5.86	0.55
967	6Y315	KANGA	1	1	3		1	1	24640	134	418	1767	10.4	305	17891	0.03		134.9	2		5.66	0.40
968	6Y316	KANGA	1	1	3		1	1	31276	121	383	1421	11.9	375	18009	0.02		102.3	2		8.20	0.40
969	6Y317	KANGA	1	1	3		1	1	21637	154	113	3533	4.8	221	1498	1.20	9	97.3	5		7.75	0.37
970	6Y318	KANGA	1	1	3		1	1	19794	26	78	1818	5.7	142	13258	0.03	13	173.4	5		5.79	0.34
971	6Y319	KANGA	1	1	3		1	1	36977	61	55	1427	6.6	249	18182	0.02		81.5	4		3.75	0.38
972	6Y320	KANGA	1	1	3		1	1	8840	36	71	1690	5.9	216	14345	0.01	5	92.9	5		4.71	0.30
973	6Y321	KANGA	1	1	3		1	1	14261	72	42	2161	5.5	333	19248	0.05	7	97.3	6		4.36	0.49
974	6Y322	KANGA	1	1	3		1	1	22323	18	84	2438	6.2	141	24024	0.02	2	103.6	4		6.99	0.41
975	6Y323	KANGA	1	1	3		1	1	16712	18	84	2438	6.2	141	24024	0.02	2	103.6	4		3.53	
976	6Y324	KANGA	1	1	3		1	1	16388	67	118	3039	6.8	537	24901	0.03	5	184.8	2		9.91	
977	6Y325	KANGA	1	1	3		1	1	20549	26	92	1801	4.7	123	18186	0.03	5	184.8	2		5.63	
978	6Y326	KANGA	1	1	3		1	1	31966	46	107	2267	7.8	77	9896	0.03	12	85.3	3		7.58	0.02
979	6Y327	KANGA	1	1	3		1	1	16690	29	127	1538	6.4	83	14457	0.01	7	82.1	2		7.09	
980	6Y328	KANGA	1	1	3		1	1	24040	26	94	2085	7.5	146	9918	0.07		203.0	2		8.17	
981	6Y329	KANGA	1	1	3		1	1	23841	59	76	1721	8.5	132	15500	0.02	10	301.0	3		5.26	
982	6Y330	KANGA	1	1	3		1	1	28925	27	123	2011	7.0	68	19984	0.04	21	234.1	3		5.26	
983	6Y331	KANGA	1	1	3		1	1	22271	42	186	1996	6.4	438	46596			178.4	3		6.98	0.42
984	6Y332	KANGA	1	1	3		1	1	40565	19	86	2161	9.3	81	13488	0.01		179.4	4		3.76	0.36
985	6Y333	KANGA	1	1	3		1	1	31693	22	112	1073	11.5	84	9515	0.04		79.2	3		4.35	0.38
986	6Y334	KANGA	1	1	3		1	1	32221	46	49	1867	10.6	92	8674	0.02	26	93.1	3		5.02	0.37
987	6Y335	KANGA	1	1	3		1	1	33358	24	65	2291	7.2	838	9481	0.03	18	71.4	5		4.86	0.45
988	6Y336	KANGA	1	1	3		1	1	28885	38	32	1751	9.9	56	21004	0.02	15	64.3	3		4.60	0.39
989	6Y337	KANGA	1	1	3		1	1	32117	123	117	3350	6.9	95	21157	0.03		83.8	6		7.63	0.01
990	6Y338	KANGA	1	1	3		1	1	15557	34	69	1832	8.1	172	16744	0.03	24	74.2	5		8.88	0.35
991	6Y339	KAPIR	1	3	3		3	1	1734		7	217	16.1	89	4418	0.03	6	31.3	15		19.34	0.05
992	6Y340	KAPIR	1	3	3		3	1	2770		7	199	13.2	117	4897	0.03	14	38.6	11		12.67	0.02
993	6Y341	KAPIR	1	1	1		1	1	4015		5	131	15.9	137	4407	0.02	73	26.5	14		11.87	0.02
994	6Y342	KAPIR	1	1	1		1	1	9003		67	508	10.8	191	16181	0.03	28	42.4	20		2.98	0.32
995	6Y343	KAPIR	1	2	5		5	1	1555	63	3	219	16.3	68	4214	7.25	120	86.7	5		23.53	0.06
996	6Y344	KAPIR	1	2	5		5	1	1461		54	233	14.1	106	14818	0.02	42	64.0	4		18.48	0.30
997	6Y345	KAPIR	1	2	5		5	1	1726		69	230	13.8	85	14997	7.83	26	51.0	10		14.96	0.26
998	6Y346	KAPIR	1	2	5		5	1	1865		3	107	58.3	178	4285	7.03	123	8.1	26		16.69	
999	6Y347	KAPIR	1	2	5		5	1	3231	92	3	137	44.0	185	15263	1.34	51	12.9	20		16.89	
1000	6Y348	NSALA	1	3	5		5	1	6793	104	3	290	39.2	148	13025	1.24	67	17.8	18		16.45	
1001	6Y349	NSALA	1	3	5		5	1	5472	29	2	311	13.6	115	6417	7.05	152	76.4	19		19.28	
1002	6Y350	NSALA	1	3	5		5	1	1985		58	295	12.1	176	14078	0.05	48	29.5	6		16.48	0.18
1003	6Y351	NSALA	1	3	5		5	1	1003		3	140	39.0	144	1363	2.56	204	24.4	17		23.83	
1004	6Y352	NSALA	1	3	5		5	1	2402	31	93	203	28.9	156	1758	2.47	108	24.5	18		23.80	
1005	6Y353	NSALA	1	3	5		5	1	256	44	115	309	13.2	197	4175	6.95	84	36.4	19		26.04	0.02
1006	6Y354	NSALA	1	3	5		5	1	846		77	185	12.1	56	7818	0.03	64	85.3	5		8.26	0.19
1007	6Y355	NSALA	1	3	5		5	1	346		129	129	10.4	162	3891	6.55	52	42.2	6		24.29	0.08
1008	6Y356	NSALA	1	2	5		5	1	1213	58	5	71	15.6	219	1478	5.71	335	0.9	4		26.65	

## GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	MN	HG	MO	ND	NI	NB	P	K	RB	SM	SC	SE	SI	AG
1009	6Y357	NSALA	1	3			5	1	188	103	51	133	12.9	68	975	1.50	75	17.3	3			32.18
1010	6Y358	NSALA	1	3			5	1	3556	24	13	253	12.1	142	3900	6.52	40	49.2	4			21.26
1011	6Y359	NSALA	1	3			5	1	4854	9	24	191	12.7	119	3515	6.75	164	37.3	4			20.50
1012	6Y360	NSALA	1	3			1	1	464	36	3	110	11.4	71	290	4.27	289	8.5	3			31.94

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	NA	SR	S	TA	TE	TB	TL	TH	SN	TI	W	U	V	
1	6H001	TUNDU	1	1	2		4	2	0.06	8180	24				8	0.2	0.8	3.9	570		45.6	52
2	6H002	TUNDU	1	1	2		1	2	0.02	22020	110				7	0.4	2.0	0.3	27		0.5	6
3	6H003	TUNDU	1	1	2		1	2	0.01	2920	31				1	0.4	1.6	0.9	182		0.8	16
4	6H004	TUNDU	1	1	2		1	1	0.01	1850	37						0.9	595		8.5	29	
5	6H005	TUNDU	1	1	2		1	1	0.01	1270	81				18		28.1	144		9.9	102	
6	6H006	TUNDU	1	1	2		1	1	0.05	610	260				32		24.8	0.7	51		2.7	24
7	6H007	TUNDU	1	1	2		1	2	0.01	1200	98				21		17.4	0.9	2173		14.8	34
8	6H008	TUNDU	1	1	2		4	1	0.14	1580	39				10		30.9	1.4	500		36.8	54
9	6H009	TUNDU	1	1	2		4	1	0.03	1610	23				12		65.2	0.8	183		21.7	142
10	6H010	TUNDU	1	1	2		1	2	0.04	1680	356				10		38.4	0.8	48		26.8	202
11	6H011	TUNDU	1	1	2		1	1	0.25	900	125				6		26.5	2.2	14150		22.4	39
12	6H012	TUNDU	1	1	2		1	1	0.02	740	740				7		1.6	0.5	139		4.9	103
13	6H013	TUNDU	1	1	2		1	2	0.08	570	56				10		15.8	1.2	3898		14.8	67
14	6H014	TUNDU	1	1	2		3	1	0.01	340	20				8		3.6	0.5	1620		16.0	185
15	6H015	TUNDU	1	1	2		1	2	0.02	2320	26						7.1	1.1	1702		23.7	39
16	6H016	TUNDU	1	1	2		1	2	0.11	1050	86						10.6	0.5	166		20.0	33
17	6H017	TUNDU	1	1	2		3	2	0.03	2300	251				7		9.7	0.9	469		19.4	21
18	6H018	TUNDU	1	1	2		1	1	0.03	1740	123				10		12.7	1.8	1914		28.6	125
19	6H019	TUNDU	1	1	2		1	1		1180	111				7		17.9	0.2			8.8	33
20	6H020	TUNDU	1	1	2		3	2		2633	28				7		14.2	0.9	23		2.9	4
21	6H021	NKALO	1	1	1		3	1		4674	42				7		17.2	0.9	19		2.9	2
22	6H022	NKALO	1	1	1		3	1		18619	937				15		28.8	1.0	610		14.8	61
23	6H023	NKALO	1	1	1		3	1	0.05	23098	866				12		11.7	3.1	924		11.5	34
24	6H024	NKALO	1	1	1		3	1	0.10	15027	867				12		28.2		1310		181.5	67
25	6H025	NKALO	1	1	1		3	2	0.03	21672	1214				8		70.1		50		17.5	8
26	6H026	NKALO	1	1	1		4	1	0.13	965	439				7		46.3	0.6	4207		48.4	111
27	6H027	NKALO	1	1	2		4	2	0.19	570	153				7		32.1	1.3	5565		44.1	150
28	6H028	NKALO	1	1	2		4	1	0.14	750	214				10		62.4	2.7	4505		38.5	96
29	6H029	NKALO	1	1	2		4	1	0.19	422	52				6		137.2		3490		37.9	56
30	6H030	NKALO	1	1	2		4	1	0.21	282	141				2		45.1		1368		25.6	30
31	6H031	NKALO	1	1	1		4	1	0.01	12387	198				4		25.9	1.4	2263		23.1	42
32	6H032	NKALO	1	1	1		3	2	0.18	8012	627				4		23.4		566		23.6	4
33	6H033	NKALO	1	1	1		3	1	0.01	13887	198				6		2.4		3585		5.6	19
34	6H034	NKALO	1	1	1		3	2	0.09	13976	56				8		13.3		7410		7.4	42
35	6H035	NKALO	1	1	1		3	2	0.02	10899	34				8		29.9	0.4	1310		113.2	56
36	6H036	NKALO	1	1	1		3	1	1.87	1386	86				6		25.8	0.6	13897		8.3	10
37	6H037	NKALO	1	1	1		3	2	0.02	10197	257				4		32.4	0.6	273		19.2	
38	6H038	NKALO	1	1	1		3	2	0.02	25177	476				7		39.1	0.8	26		12.0	
39	6H039	NKALO	1	1	1		3	1	0.02	21384	447				10		35.3	1.5	104		10.9	
40	6H040	NKALO	1	1	1		3	2	0.02	17415	572				12		41.2	0.9	259		19.2	
41	6H041	NKALO	1	1	1		3	2	0.02	16735	84				11		29.9		38		6.8	3
42	6H042	NKALO	1	1	1		3	1	0.34	1286	37				13		23.4	1.8	8776		564.4	173
43	6H043	NKALO	1	1	1		3	2	0.02	2111	182				16		18.2	0.3	105		10.2	
44	6H044	NKALO	1	1	1		3	1	0.02	3548	127				12		28.9		55		15.7	11
45	6H045	NKALO	1	1	1		3	1	0.03	931	88				5		29.7		152		12.8	7
46	6H046	NKALO	1	1	1		3	2	0.02	2956	140				3		25.5		27		16.0	
47	6H047	NKALO	1	1	1		3	2	0.01	2731	208				2		14.5		253		11.3	
48	6H048	NKALO	1	1	1		3	1	0.01	1408	73				3		9.1		22		9.7	
49	6H049	NKALO	1	1	1		3	2	0.02	2320	319				7		21.8		205		3.1	4
50	6H050	NKALO	1	1	1		3	2	0.02	2335	192				5		33.4		205		9.9	
51	6H051	NKALO	1	1	1		3	1	0.02	3750	506				9		37.9	0.2	28		8.4	
52	6H052	NKALO	1	1	1		3	2	0.02	1341	172				17		30.1	0.2	298		16.0	29
53	6H053	NKALO	1	1	1		3	1	0.02	1651	42				20		27.7	0.6	655		196.1	303
54	6H054	NKALO	1	1	1		3	1	0.03	1780	1192				14		38.7	0.9	25		11.3	126
55	6H055	NKALO	1	1	1		3	2	0.03	1050	690				8		33.8	0.2	52		29.0	36
56	6H056	NKALO	1	1	1		3	1	0.03	1713	300				15		38.4	0.2	25		27.6	58

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO.	SECTOR	RS	RK	RK2	ALT	DCC	LCN	NA	SR	S	TA	TE	TB	TL	TH	SN	TI	W	U	V
57	6H057	NKALO	1	1			3	1	0.02	1004	270			12		33.9	0.6	105	5	52.8	56
58	6H058	NKALO	1	1			3	2	0.02	2351	219					27.5	0.4	53		77.0	80
59	6H059	NKALO	1	1			3	1	0.03	5087	258			6		36.1	0.2	27	11	96.6	78
60	6H060	NKALO	1	1			3	1	0.03	5815	977			11		59.8	0.5	98	10	26.7	113
61	6H061	NKALO	1	1			3	2	0.02	18835	97			10		17.9		29		80.2	18
62	6H062	NKALO	1	1			3	2	0.03	17750	52			7		31.4		112		26.5	78
63	6H063	NKALO	1	1			3	1	0.04	12531	73			16	0.2	39.3		58	3	37.2	66
64	6H064	NKALO	1	1			3	1	0.09	10527	556			4		35.4	0.7	153	5	10.1	120
65	6H065	NKALO	1	1			3	2	0.02	7750	419			8		38.2		100		220.0	113
66	6H066	NKALO	1	1			3	2	0.01	3725	37			11		24.2		404		131.1	43
67	6H067	NKALO	1	2			4	2	3.57	1827	366			21		12.0	1.9	150	7	9.1	82
68	6H068	NKALO	1	2			4	2	0.29	3729	284			16		2.1	0.6	150	8	15.0	50
69	6H069	SALAM	1	2			4	2	2.56	3020	105			17		8.1	0.9	202		4.9	
70	6H070	SALAM	1	2			4	2	2.24	2572	56					0.8	0.5	503	2	2.4	15
71	6H071	SALAM	1	2			4	1	3.30	2253	56			3		9.0	0.6	434			
72	6H072	SALAM	1	2			4	1	3.32	1909	56			2		1.1	0.5	205	3	4.9	
73	6H073	SALAM	1	2			4	1	2.06	2085	127					0.4	0.9	798		5.4	18
74	6H074	SALAM	1	2			4	2	3.37	3273	48					14.0	1.3	505	2	2.1	
75	6H075	SALAM	1	2			4	2	3.50	1875	124			4		0.2	0.4	1520	2	0.5	
76	6H076	SALAM	1	2			4	2	0.35	3605	173			10		8.1	0.6	602	2	0.6	54
77	6H077	SALAM	1	2			4	2	1.07	7853	156			12			2.1	413		4.1	56
78	6H078	SALAM	1	2			4	1	3.10	8208	176			11		17.1	0.9	611		3.7	49
79	6H079	SALAM	1	2			4	1	0.37	8599	177			9		35.3	1.5	905		1.2	51
80	6H080	SALAM	1	2			4	1	0.02	5760	105			9		33.4		1250		7.9	17
81	6H081	SALAM	1	2			4	1	0.98	3255	81			12		30.1	3.2	1136		60.3	83
82	6H082	SALAM	1	2			4	2	0.15	487	205					28.4	1.3	309	6	1.3	111
83	6H083	SALAM	1	2			4	2	2.00	1870	129			8		25.9	0.7	1503	8	0.8	126
84	6H084	SALAM	1	2			4	2	0.56	2551	142			15		62.2	1.9	1920	14	28.4	119
85	6H085	SALAM	1	2			4	1	1.04	2915	110					607.1	2.0	1497	4	62.6	40
86	6H086	SALAM	1	2			4	1	0.57	2020	99			21		81.8	1.5	1265	10	35.1	27
87	6H087	SALAM	1	2			4	1	3.43	1817	70			28		69.7	1.0	712	10	1.6	34
88	6H088	SALAM	1	2			4	2	1.29	2539	109			18		57.8	2.9	1493	17	40.2	21
89	6H089	SALAM	1	3			3	1	6.06	3530	922			15		38.2	1.3	2487	11	17.3	70
90	6H090	CHIPA	1	2			5	2	2.61	870	172					48.9	2.8	1966	13	14.0	49
91	6H091	CHIPA	1	2			5	1	3.10	177	126			4		26.4	1.5	2401	15	27.3	83
92	6H092	CHIPA	1	2			5	1	2.70	182	75			3		60.1	1.8	1550	10	23.2	129
93	6H093	CHIPA	1	2			5	1	2.75	2020	79			6		58.0	3.6	1981	6	35.4	101
94	6H094	CHIPA	1	2			5	2	2.62	2250	77					53.0	4.1	1502		36.7	126
95	6H095	CHIPA	1	2			5	2	1.22	3075	59			2		162.2	2.0	889		57.5	95
96	6H096	CHIPA	1	2			5	2	2.02	2590	82			7		13.1	2.9	979	8	54.0	83
97	6H097	CHIPA	1	2			5	1	2.56	4533	72					6.7	4.5	611	3	45.2	103
98	6H098	CHIPA	1	2			5	1	1.81	5770	273			12		78.8	1.0	1005	3	29.0	45
99	6H099	CHIPA	1	2			5	1	1.93	3210	127			13		80.1	2.7	201	2	53.6	12
100	6H100	CHIPA	1	2			5	1	1.69	5355	201					145.0	2.7	498	2	52.1	31
101	6H101	CHIPA	1	2			5	2	3.77	2100	20			6		16.4	1.3	277	2	13.4	13
102	6H102	CHIPA	1	2			5	2	3.26	4230	89					19.0	1.2	495	2	30.7	42
103	6H103	MIKOM	1	2			5	2	2.91	3788	42			7		15.4	1.6	307	2	7.1	
104	6H104	MIKOM	1	2			5	1	2.63	2655	55			11		11.9	0.9	510	4	7.6	10
105	6H105	MIKOM	1	2			5	1	2.98	3807	45					15.4	1.7	418	5	6.5	14
106	6H106	MIKOM	1	2			5	1	3.52	5613	69			8		21.2	1.1	689	8	12.6	46
107	6H107	MIKOM	1	2			5	2	3.52	4444	67					31.3	1.7	1502	8	17.4	40
108	6H108	MIKOM	1	2			5	2	3.91	3339	55			13		3.5	1.0	2220		10.6	54
109	6H109	MIKOM	1	2			5	1	3.26	2582	42					22.1	0.7	1005		5.9	31
110	6H110	MIKOM	1	2			5	1	4.04	1855	92					32.1	0.4	1780	3	12.2	16
111	6H111	MIKOM	1	2			5	1	3.32	2584	45			6		28.9	0.3	2459	4	2.4	45
112	6H112	MIKOM	1	2			5	2	2.72	3447	65			11		59.7	0.6	1776	3	44.9	28

## GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT.	OCC	LCN	NA	SR	S	TA	TE	TB	TL	TH	SN	TI	W	U	V
113	6H113	CHILW	1	1			1	1	0.03	5273	84		1.99	13		85.4	0.4	720	4	17.5	
114	6H114	CHILW	1	1			1	2		2900	50		1.59	24		71.4	0.8	2004	5	53.3	33
115	6H115	CHILW	1	1			1	1		4508	70		0.43	22		895.9	0.9	1725	5	104.4	55
116	6H116	CHILW	1	1			1	1	0.25	8703	122		0.60	11		82.2	1.2	1002	5	9.6	64
117	6H117	CHILW	1	1			1	1	0.01	11200	64		0.85	10		38.1	0.6	1520	8	75.2	64
118	6H118	CHILW	1	1			1	1	0.24	13555	69		0.56	9		49.8	0.3	1797	4	65.3	92
119	6H119	CHILW	1	1			1	2	0.20	10580	97		0.63	7		25.4		1998	7	20.6	98
120	6H120	CHILW	1	1			1	2	0.03	9530	60			6		78.7		505	6	16.6	92
121	6H121	CHILW	1	2			4	2	0.10	258	268			8		2.8	2.2	650	5	26.1	102
122	6H122	CHILW	1	2			4	2	0.20	4875	149		0.41	5		57.1	2.4	808	4	26.1	128
123	6H123	CHILW	1	2			4	1	0.15	883	164		0.20			13.3	1.0	400	6	29.4	81
124	6H124	CHILW	1	1			1	2	0.22	3077	154			3		34.2		598	6	12.5	37
125	6H125	CHILW	1	1			1	2	0.25	4115	181					45.9		511	6	23.7	75
126	6H126	CHILW	1	1			1	1	0.09	2873	122					51.8		315	6	22.5	85
127	6H127	CHILW	1	1			1	1	0.10	4477	206			2		35.7		606	7	25.0	70
128	6H128	CHILW	1	1			1	1	0.17	7893	144		0.42			31.3	0.4	213	6	19.8	80
129	6H129	CHILW	1	1			1	1	0.20	10550	181					30.6		400	6	20.3	41
130	6H130	CHILW	1	1			1	1	0.13	14872	101					30.2		403	2	20.3	54
131	6H131	CHILW	1	1			1	1	0.21	12330	101			11		33.1	0.5	197	2	22.7	64
132	6H132	CHILW	1	1			1	1	0.17	10351	67			7		50.1		293	3	6.7	54
133	6H133	CHILW	1	1			1	1	0.13	7750	80			5		11.7	4.4	113	6	57.5	68
134	6H134	CHILW	1	1			1	1	0.10	4720	69					45.5		203	6	33.8	42
135	6H135	CHILW	1	1			1	2	0.13	3215	316					65.5	1.0	404	8	181.5	68
136	6H136	CHILW	1	1			1	2	0.07	1880	339			7		74.2	0.6	212	4	201.6	41
137	6H137	CHILW	1	1			1	1	0.05	6830	195			13		53.9		110	5	52.0	34
138	6H138	CHILW	1	1			1	1	0.17	7557	301			10		43.4		215	6	54.1	33
139	6H139	CHILW	1	1			1	1	0.11	8823	265			9		108.4	0.3	123	3	15.7	45
140	6H140	CHILW	1	1			1	1	0.07	5673	465			8		83.1	0.6	157	2	36.6	39
141	6H141	CHILW	1	1			1	1	0.01	11336	288			8		217.7	1.3	89	2	47.3	55
142	6H142	CHILW	1	1			1	2	0.10	10867	276			9		66.6	0.7	193		24.5	44
143	6H143	CHILW	1	1			1	2	0.17	12350	663			12		10.8	0.7	70		31.0	36
144	6H144	CHILW	1	1			1	1	0.05	9872	13			11		12.7	0.9	98	2	35.2	30
145	6H145	CHILW	1	1			1	1	0.07	7750	233		0.10	7		49.2	1.0	155	3	18.9	22
146	6H146	CHILW	1	1			1	1	0.17	4551	400		0.15	6		31.0	0.7	197	6	13.8	27
147	6H147	CHILW	1	1			1	1	0.02	3875	634			3		80.0	0.9	98	5	22.2	19
148	6H148	CHILW	1	1			1	2		896	195					82.2	0.2	59	5	20.2	16
149	6H149	CHILW	1	1			1	2	0.01	2896	611		0.19			71.7	4.6	203	4	54.7	20
150	6H150	CHILW	1	1			1	2	0.03	607	190		0.07			108.4	1.9	287	4	11.3	56
151	6H151	CHILW	1	1			1	4		759	3116			8		446.6	0.6	986	3	18.5	23
152	6H152	CHILW	1	1			1	1	0.88	4054	285			14		104.4	2.5	112	3	14.3	94
153	6H153	CHILW	1	1			1	1	0.24	10377	1024			7		18.4	2.5	598	2	5.2	666
154	6H154	CHILW	1	1			1	4	0.71	2407	405					179.9	0.9	51	2	29.4	42
155	6H155	CHILW	1	1			1	1	0.77	3851	463		0.39	16		86.2	1.0	160	2	23.5	26
156	6H156	CHILW	1	1			1	1	0.65	2558	1109		0.21	21		479.2	1.0	605	3	79.1	
157	6H157	CHILW	1	1			1	1	1.05	2760	296		0.45	17		75.4	0.3	386	4	31.2	
158	6H158	CHILW	1	1			1	1	0.27	8388	585		0.36	11		241.5	0.4	250	4	18.3	
159	6H159	CHILW	1	1			1	2	2.94	2322	37			6		341.5	2.2	8152		73.2	85
160	6H160	CHILW	1	1			1	1	3.21	4040	468			10		143.7	1.0	138		18.3	36
161	6H161	CHILW	1	1			1	4	4.43	2669	472			9		343.6	0.9	407		63.6	14
162	6H162	CHILW	1	1			1	1	0.03	2020	429			6		63.2	0.3	987	6	40.5	29
163	6H163	CHILW	1	1			1	4	3.56	3980	249		0.15	11		81.8		605	7	45.1	24
164	6H164	CHILW	1	1			1	4	2.95	4117	471		0.57	17		83.3	0.6	150	8	36.2	25
165	6H165	CHILW	1	1			1	1	5.03	2869	423			15		33.2	2.5	998	10	41.5	12
166	6H166	CHILW	1	1			1	1	6.64	4556	388			21		291.4	1.3	2032	7	56.6	40
167	6H167	CHILW	1	1			1	1	5.78	4377	175		0.29	18		72.5	0.3	805	7	65.8	
168	6H168	CHILW	1	1			1	1	4.21	4404	271		0.19	19		64.7	0.6	537	5	39.4	19

## GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	NA	SR	S	TA	TE	TB	TL	TH	SN	TI	W	U	V	
169	6H169	CHILW	1	1	2		1	1	3.30	4009	120		0.08	15		88.5		599	5	68.3	41	
170	6H170	CHILW	1	1	2		1	1	4.43	3684	298		0.21	14		199.4		168	5	6.3	96	
171	6H171	CHILW	1	1			1	1	8.64	5256	405			19	0.2	127.4		519	5	6.1	151	
172	6H172	CHILW	1	1			1	1	5.00	4590	337			5		80.3		303	4	46.2	76	
173	6H173	CHILW	1	1			1	1	4.55	6691	355		0.21	10		349.9		2.3	3	19.0	97	
174	6H174	CHILW	1	1			1	1	4.77	8825	441		0.55	14		15.8		797	2	21.2	123	
175	6H175	CHILW	1	1			1	1	8.12	11948	3141			20		382.2		4.9	2	92.6	222	
176	6H176	CHILW	1	1	3		1	2	3.11	6772	330		0.22	8		327.5		170	2	65.7	130	
177	6H177	CHILW	1	1	3		1	2	3.98	7750	302					70.1		98	10	40.8	59	
178	6H178	CHILW	1	1	3		1	1	4.22	4357	125			8		86.1		247	8	53.6	42	
179	6H179	CHILW	1	1	3		1	1	4.92	3398	102					116.6		155	7	48.4	56	
180	6H180	CHILW	1	1	3		1	1	3.59	3288	257			12		272.1		113	6	56.8	40	
181	6H181	CHILW	1	1			1	1	0.02	8701	122		0.22			66.0		300	34		41	
182	6H182	CHILW	1	1	3		1	1	0.03	8407	124		0.10			54.7		212	15		39	
183	6H183	CHILW	1	1	3		1	1	0.02	8225	110		0.15			67.1		297	18		44	
184	6H184	CHILW	1	1	3		1	2	0.05	2515	62					29.4		1.0	255	2	60	
185	6H185	CHILW	1	1	3		1	2	0.02	5784	71			2		42.2		207	10		44	
186	6H186	CHILW	1	1	3		1	1	0.02	5878	64			6		44.6		128	11		47	
187	6H187	CHILW	1	1	3		1	1	0.03	2746	35					35.4		266			58	
188	6H188	CHILW	1	1	3		1	1	0.03	2133	12					30.2		226			62	
189	6H189	CHILW	1	1	3		1	1	0.02	2614	33					37.6		278			61	
190	6H190	CHILW	1	2			4	1	0.32	2985	24					44.4		261			64	
191	6H191	CHILW	1	2			4	1	0.02	2595	37			7		38.2		273			63	
192	6H192	CHILW	1	2			4	1	0.04	945	71					29.1		912		2.3	57	
193	6H193	CHILW	1	1	3		1	1	0.03	1938	41					34.1		245		0.2	65	
194	6H194	CHILW	1	1	3		1	1	0.05	2324	26					30.9		347			65	
195	6H195	CHILW	1	1	3		1	1	0.05	2155	50					45.8		248	4		71	
196	6H196	CHILW	1	2			1	1	0.05	1521	94					74.7		1242			94	
197	6H197	CHILW	1	2			1	1	0.28	1799	112					87.4		955	6	20.9	91	
198	6H198	CHILW	1	2			1	2	0.22	1539	179			5		147.3		4996	16	13.1	413	
199	6H199	CHILW	1	2			4	2	0.29	418	47					26.1		345		4.3	76	
200	6H200	CHILW	1	2			4	1	0.12	307	81					33.2		2874		6.8	88	
201	6H201	CHILW	1	2			4	2	0.01	248	99					39.6		3502		7.1	85	
202	6H202	CHILW	1	2			4	2	0.07	375	49			1		20.5		1.0	3179		2.3	82
203	6H203	CHILW	1	2			4	1	0.04	364	77					40.4		2844		1.4	86	
204	6H204	CHILW	1	2			4	2	0.14	280	46					26.9		3966		3.6	78	
205	6H205	CHILW	1	2			4	2	0.06	351	62					18.6		2125		1.1	81	
206	6H206	CHILW	1	2			4	1	0.09	442	16					36.6		3457		1.7	74	
207	6H207	CHILW	1	2			4	2	0.14	418	73					24.9		2379		2.4	78	
208	6H208	CHILW	1	2			4	2	0.07	327	24					13.9		3457		0.7	82	
209	6H209	CHILW	1	2			4	1	0.22	454	42					17.7		4045		1.5	72	
210	6H210	CHILW	1	2			4	2	0.20	506			0.22			28.6		2419		1.0	76	
211	6H211	CHILW	1	2			4	2	0.27	603	53					16.0		3120		1.1	22	
212	6H212	CHILW	1	2			4	1	0.15	417	71					20.2		2514		0.5	83	
213	6H213	CHILW	1	2			4	2	0.06	266	42					58.1		481		0.9	12	
214	6H214	CHILW	1	2			4	2	0.02	209	56					53.4		586		12.9	27	
215	6H215	CHILW	1	2			4	1	0.08	254	49					44.1		755		13.2	39	
216	6H216	CHILW	1	2			4	2	0.04	218	24					24.3		112	3	0.3	31	
217	6H217	CHILW	1	2			4	2	0.05	264	65					48.6		1443	2		26	
218	6H218	CHILW	1	2			4	2	0.07	155	53					35.0		956	3		30	
219	6H219	CHILW	1	2			4	1	0.09	254	40					22.2		1373			27	
220	6H220	CHILW	1	2			4	1	0.25	200	37					20.1		1350			30	
221	6H221	CHILW	1	2			4	2	0.19	216	40					24.3		1348	8		29	
222	6H222	CHILW	1	2			4	1	0.11	449	137					10.5		2450			32	
223	6H223	CHILW	1	2			4	1	0.18	515	152					15.4		3972			28	
224	6H224	CHILW	1	2			4	2	0.20	567	178					12.3		2105			32	

## GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	OC	LCM	NA	SR	S	TA	TE	TB	TL	TH	SN	TI	W	U	V
225	6H225	MONGO	1	2			4	1	0.24	481	143					28.3		3419			29
226	6H226	MONGO	1	2			4	1	0.34	553	245	3		2		22.6		2562			31
227	6H227	MONGO	1	2			4	2	0.24	737	83					15.7	0.6	4153			56
228	6H228	MONGO	1	2			4	1	0.21	576	110					19.1		3101			49
229	6H229	MONGO	1	2			4	1	0.27	463	72					10.0	0.3	2641			57
230	6H230	MONGO	1	2			4	1	0.25	958	610			7		17.0	0.5	4676			74
231	6H231	MONGO	1	2			4	1	0.44	1012	1192					15.7	0.2	5467			78
232	6H232	MONGO	1	2			4	1	0.33	213	187	1				14.6		1315			62
233	6H233	MONGO	1	2			4	1	0.50	244	128					10.4		1877			58
234	6H234	CHAUM	1	2			4	1	0.39	85	53					36.5	0.3	1341		3.9	63
235	6H235	CHAUM	1	2			4	2	0.34	89	77					31.5	0.1	1129		2.0	67
236	6H236	CHAUM	1	2			4	2	0.47	66	67	3				32.8	0.4	1589	4	4.4	346
237	6H237	CHAUM	1	2			4	2	0.40	47	49					51.1	0.6	9278	3	3.2	158
238	6H238	CHAUM	1	2			4	2	0.55	71	31					52.1	0.2	7215		2.8	163
239	6H239	CHAUM	1	2			4	1	0.47	40	40					45.9	0.9	16239			315
240	6H240	CHAUM	1	2			4	1	0.24	62	54					42.0	0.5	8718		2.0	40
241	6H241	ACHIR	1	2			4	2	0.28	234	166					10.9	0.5	541		0.5	13
242	6H242	ACHIR	1	2			4	1	0.26	388	42					6.4	0.3	181			18
243	6H243	ACHIR	1	2			4	2	0.15	322	51					3.1	0.1	249			21
244	6H244	ACHIR	1	2			4	2	0.30	183	35					12.6		353			11
245	6H245	ACHIR	1	2			4	1	0.14	218						8.8		314			14
246	6H246	ACHIR	1	2			4	2	0.32	147	21					14.2		415			6
247	6H247	ACHIR	1	2			4	2	0.13	172	46					7.8	0.1	266			10
248	6H248	ACHIR	1	2			4	1	0.22	148	22					4.3	0.5	254			4
249	6H249	ACHIR	1	2			4	2	0.28	180	35					9.1		482			7
250	6H250	ACHIR	1	2			4	1	0.18	109	81					8.1		269		0.2	3
251	6H251	ACHIR	1	2			4	1	0.24	115	30					7.7		233			3
252	6H252	ACHIR	1	2			4	2	0.16	151	31					4.6	0.2	212			3
253	6H253	ACHIR	1	2			4	1	0.22	110	12					10.1		248		0.2	25
254	6H254	ACHIR	1	2			4	2	0.20	430	91					8.9	0.3	695		0.2	6
255	6H255	ACHIR	1	2			4	2	0.20	205	63					13.4		547			8
256	6H256	ACHIR	1	2			4	1	0.31	278	17					12.0		701			6
257	6H257	ACHIR	1	2			4	2	0.20	137	37					6.4		456		0.3	10
258	6H258	ACHIR	1	2			4	2	0.19	205	87					14.6	0.1	612			8
259	6H259	ACHIR	1	2			4	1	0.38	249	54					12.8		319			14
260	6H260	ACHIR	1	2			4	2	0.17	153	52					8.7	0.5	637			12
261	6H261	ACHIR	1	2			4	2	0.30	254	80					13.3		733			10
262	6H262	ACHIR	1	2			4	1	0.18	265						17.9		554			13
263	6H263	ACHIR	1	2			4	1	0.12	312	50					14.4		613			17
264	6H264	ACHIR	1	2			4	2	0.18	170	22					6.1	0.4	656		0.2	11
265	6H265	ACHIR	1	2			4	1	0.14	255	64					28.7		6215			152
266	6H266	KONGW	1	2			4	1	0.27	390	49					37.4		4237			157
267	6H267	KONGW	1	2			4	1	0.08	533	68					37.0		5345		0.5	155
268	6H268	KONGW	1	2			4	1	0.17	482	71					22.1	0.5	6811		3.3	165
269	6H269	KONGW	1	2			4	1	0.15	611	59					41.9		4119		2.2	159
270	6H270	KONGW	1	2			4	1	0.14	464	85					40.8	1.6	11519		3.6	162
271	6H271	KONGW	1	2			4	1	0.03	813	109					15.6		4718		2.6	161
272	6H272	KONGW	1	2			4	1	0.12	550	103					22.1		4770		3.3	157
273	6H273	KONGW	1	2			4	1	0.15	447	94					25.0	1.0	4455		2.8	161
274	6H274	KONGW	1	2			4	1	0.19	557	108					11.0		4217		1.0	158
275	6H275	KONGW	1	2			4	1	0.13	393	57					14.2	0.6	6939			27
276	6H276	KONGW	1	2			4	1	0.27	465	23					27.2		5891			161
277	6H277	KONGW	1	2			4	1	0.33	421	32					20.1		3120			159
278	6H278	KONGW	1	2			4	1	0.23	377	44					25.4	0.9	4137			39
279	6H279	KONGW	1	2			4	1	0.15	360	44					4.8	0.1	720			25
280	6H280	KONGW	1	2			4	2	0.24	422											

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	NA	SR	S	IA	TE	TB	TL	TH	SN	TI	W	U	V
281	6H281	CHILU	1	3			1	1	0.38	300	16		0.10			10.7	0.7	196			
282	6H282	CHILU	1	3			1	1	0.21	225						8.6		155			
283	6H283	CHILU	1	2			4	1	0.24	264	35					15.9	0.2	298			12
284	6H284	CHILU	1	3			1	1	0.15	225	23					10.9		220			10
285	6H285	CHILU	1	3			1	1	0.25	250	62		0.09			8.4	0.5	395			8
286	6H286	CHILU	1	3			3	1	0.06	13596	2					14.1	2.2	859			12
287	6H287	CHILU	1	3			1	1	0.43	228	141					18.6	1.0	1050			70
288	6H288	CHILU	1	3			1	1	0.12	252	173		0.11			16.7	0.3	421			5
289	6H289	CHILU	1	3			1	1	0.16	154	17					8.5	0.4	157			
290	6H290	CHILU	1	3			1	1	0.03	139	32					10.1	0.6	170			
291	6H291	KAWAN	1	3			4	1	0.19	356	139		0.13			10.0	0.9	113			
292	6H292	KAWAN	1	2			4	1	0.11	330	123					7.4	0.7	212			3
293	6H293	KAWAN	1	3			4	2	0.23	188	53					17.4	2.0	991			9
294	6H294	KAWAN	1	3			1	1	0.24	148	71					12.2	0.1	143			
295	6H295	KAWAN	1	3			1	1	0.11	180	83					7.2		197			
296	6H296	KAWAN	1	2			4	1	0.22	402	96					11.4	0.4	139			
297	6H297	LIPER	1	2			4	2	0.32	366	53					7.6	0.2	98			3
298	6H298	LIPER	1	2			4	1	0.35	337	42					14.2		195		0.2	5
299	6H299	LIPER	1	2			4	2	0.19	398	49					6.1	0.1	307		0.1	2
300	6H300	LIPER	1	2			4	2	0.18	365			0.43			16.1		2115			25
301	6H301	LIPER	1	2			4	1	0.27	414	62					10.9		2480			28
302	6H302	LIPER	1	2			4	1	0.41	160	60					16.6	1.1	2550			156
303	6H303	LIPER	1	2		2	4	1	0.15	415	40					8.4		1211			26
304	6H304	NSENG	1	2			5	1	0.32	57	91		0.10			23.1	1.0	966		3.0	48
305	6H305	NSENG	1	2			5	1	0.54	81	111		0.09			28.4	0.3	1987		6.2	58
306	6H306	NSENG	1	2			5	1	0.28	64	120					22.3	1.3	2120		9.1	55
307	6H307	NSENG	1	2			5	1	0.41	47	103					13.4	0.9	1541		2.9	51
308	6H308	NSENG	1	2			5	1	0.45	161	43					14.6	0.9	3115		4.0	78
309	6H309	NSENG	1	2			5	1	0.46	160	50					14.2	0.7	4168		4.1	83
310	6H310	NSENG	1	3			1	1	0.20	135	50					17.2	1.0	120			7
311	6H311	NSENG	1	3			1	1	2.42	274	62					14.6	1.0	3589			63
312	6H312	NSENG	1	1			1	1	0.97	120	11					6.1		125			7
313	6H313	NSENG	1	3			1	1	0.04	153	17					9.0		51			4
314	6H314	NSENG	1	1			1	1	0.03	17	203					14.0		156			7
315	6H315	NSENG	1	1			1	1	0.13	2715	92					7.2		217			18
316	6H316	NSENG	1	3			1	1	0.04	39	37					9.4		155			8
317	6H317	NSENG	1	3			1	1	0.01	75	24					153.2	0.3	800			55
318	6M001	TUNDU	1	1			1	2	3.19	2396	167		0.45	24		153.2	0.3	331	8	51.7	139
319	6M002	TUNDU	1	1			1	2	2.55	3522	131		0.31	16		157.6		820	12	52.2	82
320	6M003	TUNDU	1	1			1	2	1.98	4180	169		0.55	15		87.8	0.6	1205	12	35.9	114
321	6M004	TUNDU	1	1			1	1	2.97	3752	183		0.92	8		101.1		953	13	24.1	108
322	6M005	TUNDU	1	1			1	1	3.12	1447	238		0.96	29		82.1	1.6	1778	6	20.5	145
323	6M006	TUNDU	1	1			1	1	2.97	3725	186		0.62	18		35.3	1.4	1280	11	28.9	93
324	6M007	TUNDU	1	1			1	2	3.03	3709	599		0.65	22		44.8	0.4	2530	13	28.1	126
325	6M008	TUNDU	1	1			1	1	2.12	4083	395		0.31	15		69.7	1.3	5310	13	16.3	195
326	6M009	TUNDU	1	1			1	1	2.78	3225	352		0.12	12		97.5	5.8	4860	10	5.1	71
327	6M010	TUNDU	1	1			1	1	2.55	1240	6317					21.4	2.5	6210	2	5.4	83
328	6M011	TUNDU	1	1			1	1	4.08	811	130					102.3	0.2	12621	9	7.9	165
329	6M012	TUNDU	1	1			1	2	2.35	1337	241					73.2	0.2	4452	3	8.6	138
330	6M013	TUNDU	1	1			1	1	3.00	5893	752					69.9	0.1	2897	2	17.2	203
331	6M014	TUNDU	1	1			1	1	2.21	2833	470					92.1	1.9	3870	13	34.2	91
332	6M015	TUNDU	1	1			1	2	1.05	3399	451					57.1	0.2	1982	15	31.9	60
333	6M016	TUNDU	1	1			1	2	0.15	2030	2596					73.8	1.3	2013	6	35.8	58
334	6M017	TUNDU	1	1			1	1	0.20	2532	442					99.4	2.3	1583	12	30.8	107
335	6M018	TUNDU	1	1			1	1	0.09	4025	501					76.7	0.9	1220	13	23.0	61
336	6M019	TUNDU	1	1			1	1	0.15	4129	303					123.6	1.3	1123	13	28.9	75

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	FK2	ALT	OCC	LCN	NA	SR	S	TA	TE	TB	TL	TH	SN	TI	W	U	V
337	6M020	TUNDU	1	1	1	3	1	2	0.17	2897	192	.	.	6	.	113.4	2.1	1055	14	17.3	96
338	6M021	TUNDU	1	1	1	3	1	2	0.24	4310	126	.	.	58	.	310.3	.	371	17	18.3	46
339	6M022	MATOP	1	1	2	2	2	2	0.19	1988	167	.	.	17	.	217.9	0.6	573	17	30.2	84
340	6M023	MATOP	1	1	2	2	2	2	0.10	2020	183	3	.	18	.	202.1	1.5	735	15	24.4	51
341	6M024	MATOP	1	1	2	2	2	1	0.06	3145	168	.	.	10	.	27.6	0.7	689	9	33.4	70
342	6M025	MATOP	1	1	2	2	2	1	0.09	4127	307	1	.	12	.	20.1	0.7	1055	6	37.8	53
343	6M026	MATOP	1	1	2	2	2	1	0.05	3789	125	3	.	.	.	45.6	1.3	2354	3	19.2	86
344	6M027	MATOP	1	1	2	2	2	1	0.12	3705	97	.	.	.	.	66.5	1.0	1572	3	24.3	80
345	6M028	MATOP	1	1	2	2	2	1	0.07	4125	148	.	.	6	.	31.4	0.9	2230	11	8.7	139
346	6M029	MATOP	1	1	2	2	2	2	0.03	2355	261	.	.	2	.	58.9	1.0	2410	12	10.0	171
347	6M030	MATOP	1	1	2	2	2	2	0.08	4085	175	.	.	8	.	25.1	0.9	1988	11	6.2	171
348	6M031	MATOP	1	1	2	2	2	1	0.04	2662	208	.	.	6	.	51.0	2.9	2590	.	2.2	122
349	6M032	MATOP	1	1	2	2	2	2	0.06	4001	238	.	.	10	.	18.9	3.5	553	2	28.2	63
350	6M033	MATOP	1	1	2	2	2	1	0.98	7820	318	2	.	5	.	62.8	1.0	278	3	17.6	81
351	6M034	MATOP	1	1	2	2	2	1	1.97	4229	183	.	.	8	.	38.1	3.0	225	11	29.8	49
352	6M035	SONGW	1	1	2	3	1	2	2.58	13963	112	.	.	.	.	61.2	.	117	3	3.7	36
353	6M036	SONGW	1	1	2	3	1	2	1.10	10159	394	.	.	.	.	86.7	1.0	215	.	7.8	32
354	6M037	SONGW	1	1	2	3	1	2	0.01	7840	230	.	.	17	.	66.1	.	576	15	2.7	39
355	6M038	SONGW	1	1	2	3	1	2	0.05	6150	151	.	.	8	.	402.3	.	531	15	4.0	29
356	6M039	SONGW	1	1	2	3	1	1	0.95	8125	158	1	.	9	.	499.2	.	482	19	3.6	51
357	6M040	SONGW	1	1	2	3	1	2	1.98	7983	217	.	.	19	.	77.9	.	498	4	4.9	46
358	6M041	SONGW	1	1	2	3	1	2	3.87	15056	39	.	.	56	.	623.5	.	70	3	33.8	39
359	6M042	SONGW	1	1	2	3	1	1	2.58	11129	87	3	.	29	.	471.4	.	120	6	27.3	36
360	6M043	SONGW	1	1	2	3	1	2	1.93	14133	20	.	.	53	.	552.2	.	198	3	22.2	29
361	6M044	SONGW	1	1	2	3	4	2	2.97	11987	22	.	.	43	.	593.1	0.1	150	.	31.1	26
362	6M045	SONGW	1	1	2	3	4	1	1.59	8824	43	.	.	17	.	478.6	0.8	299	3	22.4	38
363	6M046	SONGW	1	1	2	3	4	2	3.02	8127	101	3	.	22	.	293.7	0.9	505	12	28.3	71
364	6M047	SONGW	1	1	2	3	4	2	1.75	7585	35	2	.	13	.	241.4	0.7	444	2	16.6	62
365	6M048	SONGW	1	1	2	3	4	1	1.58	8825	108	.	.	12	.	417.2	1.0	608	13	13.5	91
366	6M049	SONGW	1	1	2	3	4	2	2.97	4015	66	.	.	10	.	373.3	0.9	692	.	17.1	85
367	6M050	SONGW	1	1	2	3	4	2	1.83	7983	56	.	.	18	.	326.1	0.7	482	11	20.1	96
368	6M051	SONGW	1	1	2	3	4	1	2.58	1647	102	.	.	26	.	197.6	1.0	780	4	15.7	135
369	6M052	SONGW	1	1	2	3	4	2	3.07	7917	42	.	.	30	.	230.9	1.0	1104	7	13.4	83
370	6M053	SONGW	1	1	2	3	4	2	2.73	4139	151	.	.	24	.	369.3	0.9	554	17	15.0	121
371	6M054	SONGW	1	1	2	3	4	1	3.13	8005	222	.	.	27	.	234.2	1.0	322	8	10.6	97
372	6M055	SONGW	1	1	2	3	4	2	2.35	9887	134	.	.	35	.	201.5	0.7	275	18	13.7	50
373	6M056	SONGW	1	1	2	3	4	2	2.82	3977	142	.	.	19	.	154.8	.	57	9	11.1	38
374	6M057	SONGW	1	1	2	3	4	2	0.32	2920	275	.	0.38	.	.	465.7	1.0	1418	25	22.7	216
375	6M058	SONGW	1	1	2	3	4	2	1.20	1875	401	.	0.11	7	.	198.9	1.1	1780	18	18.8	147
376	6M059	SONGW	1	1	2	3	4	2	3.92	3739	378	.	0.22	.	.	347.2	1.0	2910	.	11.5	113
377	6M060	SONGW	1	1	2	3	4	1	5.01	1373	120	22	.	7	.	91.2	9.9	3277	6	3.3	260
378	6M061	SONGW	1	2	3	3	4	2	0.03	516	86	20	.	12	.	142.6	1.0	3004	8	14.5	36
379	6M062	SONGW	1	1	2	3	4	2	0.02	1005	192	3	.	6	.	182.4	0.8	1268	4	15.2	62
380	6M063	SONGW	1	1	2	3	4	2	0.09	2550	223	2	.	15	.	207.2	0.6	426	13	14.3	16
381	6M064	SONGW	1	1	2	3	4	2	0.02	2505	325	2	.	10	.	159.1	0.7	720	15	15.9	28
382	6M065	SONGW	1	1	2	3	4	2	0.08	5619	405	.	.	25	.	349.8	.	153	3	20.5	26
383	6M066	SONGW	1	1	2	3	4	1	1.23	2797	82	.	.	45	.	569.1	.	367	3	47.3	41
384	6M067	SONGW	1	1	2	3	4	2	3.15	4989	125	13	.	15	.	263.9	0.5	1540	19	15.6	29
385	6M068	SONGW	1	1	2	3	4	2	7.04	11343	173	3	.	24	.	289.6	1.6	1804	3	23.9	96
386	6M069	SONGW	1	1	2	3	4	1	3.09	8888	124	5	.	13	.	198.7	1.5	1222	13	33.3	32
387	6M070	SONGW	1	1	2	3	4	2	4.23	8782	110	.	.	13	.	289.4	1.6	750	4	29.7	43
388	6M071	SONGW	1	1	2	3	4	2	3.52	9984	192	.	.	12	.	154.4	1.5	441	6	38.5	48
389	6M072	SONGW	1	1	2	3	4	1	1.58	10350	123	.	.	22	.	303.1	1.6	750	5	27.2	59
390	6M073	NAMAN	1	1	2	3	4	2	2.98	9827	162	.	.	9	.	184.4	1.4	1020	12	34.4	45
391	6M074	NAMAN	1	1	2	3	5	2	2.35	7889	122	.	.	2	.	86.3	1.6	1346	13	22.1	80
392	6M075	NAMAN	1	1	2	3	5	2	1.53	10174	98	.	.	27	.	78.2	1.3	1580	3	18.8	69

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA - MALAWI

DBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	NA	SR	S	TA	TE	TB	TL	TH	SN	TI	W	U	V
393	6M076	NAMAN	1	2		3	5	2	1.98	3988	74						1.4	1112	14	29.4	52
394	6M077	NAMAN	1	2			5	2	0.97	5050	81						1.2	2005	11	31.0	73
395	6M078	NAMAN	1	2			5	2	2.00	2120	187						1.0	3317	9	16.2	82
396	6M079	NAMAN	1	2			5	2	0.93	3989	85						1.0	2583	6	19.4	59
397	6M080	NAMAN	1	2			5	1	0.17	1991	165						1.2	2112	11	15.2	70
398	6M081	NAMAN	1	2			5	1	0.01	323	138						1.4	4611	4	8.2	78
399	6M082	NAMAN	1	2			5	1	0.03	550	199		0.06				1.3	4147	7	9.8	91
400	6M083	NAMAN	1	2			5	2	0.02	906	1230		0.67				0.5	8973	3	1.1	87
401	6M084	NAMAN	1	2		3	5	2	0.05	2580	330		0.49				0.4	3570	2	3.1	42
402	6M085	NAMAN	1	2			5	2	0.07	2210	375		0.82				0.5	4050	11	8.0	51
403	6M086	NAMAN	1	2			5	2	0.02	2399	128		0.61				0.5	2880	19	7.2	45
404	6M087	NAMAN	1	2			5	2	0.09	1017	361	2	0.58				0.8	2250	14	8.2	58
405	6M088	NAMAN	1	2			5	2	0.02	1227	107	2	0.75				0.5	3003	2	7.9	75
406	6M089	NAMAN	1	2			5	2	0.01	1510	259	2	0.96				0.6	2710	17	7.1	52
407	6M090	NAMAN	1	2			5	1	0.01	1395	111		0.80				0.7	1533	4	12.9	64
408	6M091	NAMAN	1	2			5	2	0.01	32	117		0.90				0.7	1730	5	17.7	54
409	6M092	NAMAN	1	2			5	2	0.05	235	195		0.42				0.9	1323	18	11.7	75
410	6M093	NAMAN	1	2			5	2	0.10	2009	101		0.51				0.7	1702	15	9.2	34
411	6M094	NAMAN	1	2			5	1	0.05	895	180		0.26				0.8	1115	6	13.2	46
412	6M095	NAMAN	1	2			5	1	0.07	3870	270		0.39				0.8	875	13	10.2	76
413	6M096	NAMAN	1	2			5	2	0.02	2027	249		0.28				1.0	1237	8	11.4	50
414	6M097	TUNDU	1	2			3	2	0.02	4099	240		0.14				1.0	1005	4	15.1	85
415	6M098	TUNDU	1	2			3	1	0.01	2218	361		0.23				1.1	932	3	9.0	72
416	6M099	TUNDU	1	2			3	2	0.01	4880	152		0.34				1.4	1150	3	14.6	53
417	6M100	TUNDU	1	2			3	2	0.05	4057	203		0.16				1.5	1280	8	12.1	91
418	6M101	TUNDU	1	2			3	2	0.01	5353	251		0.45				1.8	1264	1	4.3	97
419	6M102	TUNDU	1	2			3	2	0.03	4333	183		0.17				1.0	1310	21	4.3	97
420	6M103	TUNDU	1	2			3	2	0.05	5738	158		0.30				1.0	998	3	13.0	90
421	6M104	TUNDU	1	2			3	2	0.02	3793	270	2	0.24				1.0	1210	2	11.7	75
422	6M105	TUNDU	1	2			3	2	0.01	3589	156		0.32				0.9	887	4	5.7	96
423	6M106	TUNDU	1	2			3	2	0.03	3987	372	1	0.40				1.8	1155	1	10.8	68
424	6M107	TUNDU	1	2			3	2	0.02	4578	282	1	0.18				1.8	1272	1	10.3	67
425	6M108	TUNDU	1	2			3	2	0.08	2377	231		0.14				1.2	1482	1	9.4	67
426	6M109	TUNDU	1	2			3	2	0.03	2005	282		0.06				1.3	1333	8	5.2	109
427	6M110	TUNDU	1	2			3	2	0.05	1987	106		0.21				1.6	1477	1	13.9	70
428	6M111	TUNDU	1	2			3	2	0.01	221	155		0.22				1.8	1556	6	7.1	80
429	6M112	TUNDU	1	2			3	2	0.02	577	201		0.08				1.7	956	4	10.0	74
430	6M113	TUNDU	1	2	2		3	2	0.03	332	232		0.14				1.0	1487	3	3.1	63
431	6M114	TUNDU	1	2			3	2	0.07	298	115		0.26				0.8	732	2	4.0	109
432	6M115	TUNDU	1	2			3	2	0.02	593	192		0.13				0.9	598	2	7.3	67
433	6M116	TUNDU	1	1	2		3	1	0.05	440	192	3	0.15				0.8	1980	4	9.2	92
434	6M117	TUNDU	1	2			3	2	0.01	378	131		0.22				0.2	880	4	6.1	81
435	6M118	TUNDU	1	2			3	2	0.02	337	135		0.07				0.8	922	3	2.4	67
436	6M119	TUNDU	1	2			3	2	0.02	211	258		0.14				1.7	715	11	5.2	95
437	6M120	TUNDU	1	2			3	2	0.03	374	430						0.6	1022	11	1.4	76
438	6M121	TUNDU	1	2			3	2	0.01	645	374						0.7	8194	1	2.4	88
439	6M122	TUNDU	1	2			3	2	0.05	1580	463						0.1	720	1	6.4	119
440	6M123	TUNDU	1	2			3	2	0.03	974	238						0.2	1002	2	8.8	58
441	6M124	TUNDU	1	2			3	2	0.09	2843	229						0.1	815	4	5.3	73
442	6M125	TUNDU	1	2			3	2	0.05	3479	540						0.2	606	1	7.6	52
443	6M126	TUNDU	1	2			3	2	0.15	2466	606						0.2	537	3	8.0	58
444	6M127	TUNDU	1	2			3	2	0.22	6074	461						0.1	830	6	17.7	71
445	6M128	TUNDU	1	2			3	2	0.13	5948	367						0.3	720	1	17.0	52
446	6M129	CHILW	1	1			1	2	0.35	4113	420						0.5	303	1	13.1	80
447	6M130	CHILW	1	1			1	2	0.19	4210	551						0.1	533	1	18.2	38
448	6M131	CHILW	1	1			1	2	1.78	7600	625						0.1	235	3	60.8	23

## GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	NA	SR	S	TA	TE	TB	TL	TH	SN	TI	W	U	V
449	6M132	CHILW	1	1	3		1	2	0.29	7247	671			14		359.9	0.1	153	6	17.4	41
450	6M133	CHILW	1	1	3		1	1	0.58	4055	552			6		72.4		358	2	23.8	52
451	6M134	CHILW	1	1	3		1	1	0.13	3923	231					204.1	1.0	157		11.1	46
452	6M135	CHILW	1	1	2		1	2	0.72	3642	164			18		43.1	0.9	370		20.0	37
453	6M136	CHILW	1	1	3		1	1	0.42	4857	298			2		114.8	1.0	303		18.3	36
454	6M137	CHILW	1	1	2		1	2	0.09	5222	150			20		281.4	1.0	331		13.2	29
455	6M138	CHILW	1	1	3		1	2	0.22	5997	142					84.9	1.1	200		11.2	11
456	6M139	CHILW	1	1	3		3	1	0.47	4349	320			10		133.3	1.7	270		13.7	15
457	6M140	CHILW	1	1	3		1	2	0.10	1985	191			16		96.2	1.1	150		7.0	
458	6M141	CHILW	1	1	2		1	2	0.18	2193	138			6		44.2		134		4.5	
459	6M142	CHILW	1	1	3		1	1	0.43	3889	161			3		151.4	0.8	103		11.1	60
460	6M143	CHILW	1	1	3		1	1	0.72	3555	97			5		52.5	0.7	125		17.6	46
461	6M144	CHILW	1	1	3		1	2	0.55	1257	69			9		85.8	1.0	200		10.9	62
462	6M145	CHILW	1	1	3		1	2	0.57	1198	170			3		72.7	0.9	137		8.2	62
463	6M146	CHILW	1	1	2		1	2	0.98	974	99			8		101.5	1.0	150		11.2	35
464	6M147	CHILW	1	1	4		1	2	0.55	3487	137			16		433.3	1.0	177		33.6	20
465	6M148	CHILW	1	1	4		1	2	1.97	3956	186			3		117.4	1.1	110		20.8	86
466	6M149	CHILW	1	1	4		1	2	1.05	4164	151			1		102.9	1.5	219		14.2	79
467	6M150	CHILW	1	1	4		1	2	1.72	3366	206					59.6	0.9	137		16.0	39
468	6M151	CHILW	1	1	4		1	1	1.67	1059	132		0.22	13		414.1	0.7	102		32.5	26
469	6M152	CHILW	1	1	4		1	1	0.93	4768	451			8		69.2	0.8	120		12.2	60
470	6M153	CHILW	1	1	4		5	2	1.25	9079	6547			30		1329.8	1.5	99		75.0	29
471	6M154	CHILW	1	1	4		1	2	1.10	4946	596			9		226.6	0.7	250		23.1	55
472	6M155	CHILW	1	1	4		1	2	0.97	6017	535			10		483.6	0.8	752		51.6	56
473	6M156	CHILW	1	1	3		1	2	0.53	7748	601			11		561.4	1.0	398		22.8	34
474	6M157	CHILW	1	1	3		1	2	1.20	5846	408					137.3	0.7	1008		21.6	51
475	6M158	CHILW	1	1	3		1	2	1.79	6649	549					51.2	0.9	735		15.8	40
476	6M159	CHILW	1	1	3		1	2	0.66	4743	472			17		455.9	0.6	803		53.5	26
477	6M160	CHILW	1	1	3		1	1	0.98	5769	385			4		134.8	0.7	1520		19.9	43
478	6M161	CHILW	1	1	3		5	1	1.75	5284	5591			5		307.4	1.5	2222		26.7	150
479	6M162	CHILW	1	1	3		5	2	1.02	4237	1587					283.3	0.7	2025		17.0	121
480	6M163	CHILW	1	1	2		1	2	2.56	4766	861					48.8	0.6	3790		18.6	190
481	6M164	CHILW	1	1	2		1	1	0.99	3929	145					295.4	0.6	4507		22.1	149
482	6M165	CHILW	1	1	2		1	1	2.02	6217	182			10		71.4	0.7	1880		12.9	182
483	6M166	CHILW	1	1	2		1	1	1.89	5356	131			4		89.7	0.8	2505		15.0	332
484	6M167	CHILW	1	1	2		1	1	2.33	6223	86			12		37.3	0.6	3330		12.1	122
485	6M168	CHILW	1	1	1		3	1	1.35	6132	139			12		85.2	0.8	2985		13.3	144
486	6M169	CHILW	1	1	2		1	1	1.93	3979	112					64.1	0.7	5008		10.6	121
487	6M170	CHILW	1	1	2		1	1	1.02	5746	127			8		93.4	0.7	3790		14.4	233
488	6M171	CHILW	1	1	3		1	1	0.92	4817	270			7		152.6	0.7	8725		17.3	267
489	6M172	CHILW	1	1	2		1	1	1.93	5248	237			5		67.3	0.8	1988		11.4	112
490	6M173	CHILW	1	1	2		1	1	1.87	4827	129					109.3	0.6	2755		8.2	173
491	6M174	CHILW	1	1	3		1	1	3.39	3544	148		0.06	6		50.7	0.5	2000		12.2	114
492	6M175	CHILW	1	1	2		1	1	3.05	3996	135					79.3	0.7	1115		8.2	150
493	6M176	CHILW	1	1	1		3	1	4.58	2437	694					102.9	0.8	750		11.1	108
494	6M177	CHILW	1	1	2		1	2	2.53	3764	644			8		48.1	0.7	589		10.4	83
495	6M178	CHILW	1	1	2		1	2	4.07	4075	182			8		69.1	0.7	697		4.7	62
496	6M179	CHILW	1	1	2		1	2	3.99	3459	106					92.1	0.8	340		6.2	43
497	6M180	CHILW	1	1	2		1	2	7.67	3492	210					75.8		119		3.7	57
498	6M181	CHILW	1	2		5	4	2	0.19	1542	539					15.1		536		2.4	59
499	6M182	CHILW	1	1	2		1	2	0.15	1127	203			1		15.4	0.9	725		2.6	125
500	6M183	CHILW	1	1	2		3	1	0.20	1358	253					22.2	0.6	598		3.5	118
501	6M184	CHILW	1	2		5	4	2	0.07	1503	214			1		23.4		852		1.5	128
502	6M185	CHILW	1	1	2		3	4	0.14	1008	132					6.0	0.3	543		1.5	122
503	6M186	CHILW	1	2		3	4	2	0.19	1577	153			1		20.2		594		2.4	126
504	6M187	CHILW	1	2		3	4	2	0.09	601	112					26.3	1.1	1985		0.5	65

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA - MALAWI

DOS	NO	SECTOR	RS	RK	RK2	ALT	OC	LCN	NA	SR	S	TA	TE	TB	TL	TH	SN	TI	W	U	V
505	6M188	CHIKA	1	2			4	1	0.03	712	101					13.9	1.0	1028		1.2	60
506	6M189	CHIKA	1	2			4	1	0.04	233	179			1		18.7	0.7	2419		1.5	65
507	6M190	CHIKA	1	2			4	1	0.03	724	107					31.5		1548		1.0	61
508	6M191	CHIKA	1	2			4	1	0.02	177	92					18.2	1.1	2089		0.6	63
509	6M192	CHIKA	1	2			4	1	0.04	1914	389			2		19.0	0.7	2894	18	4.8	120
510	6M193	CHIKA	1	2			4	1	0.02	207	110					11.7	2.7	2505		1.3	68
511	6M194	CHIKA	1	2			4	1	0.03	515	93					5.4	2.6	2212		2.2	71
512	6M195	CHIKA	1	2			4	1	0.02	198	61					11.4	2.1	1504		3.0	64
513	6M196	CHIKA	1	2			4	1	0.06	413	53					14.7	2.7	2873		3.0	69
514	6M197	CHIKA	1	2			4	1	0.04	481	82					23.6	2.8	1514		2.2	66
515	6M198	CHIKA	1	2			4	1	0.05	494	331					15.1	1.8	2849	9	5.3	120
516	6M199	CHIKA	1	2			4	2	0.03	215	15					17.0	1.0	2537		1.6	67
517	6M200	CHIKA	1	2			4	2	0.05	254	47					12.2	2.7	1978		1.2	70
518	6M201	CHIKA	1	2			4	2	0.01	178	65					17.0	1.0	2539		1.1	72
519	6M202	CHIKA	1	2			4	2	0.04	489	56					20.3		3029	7	5.3	122
520	6M203	CHIKA	1	2			4	2	0.05	994	51					15.2	0.5	4127		3.7	121
521	6M204	CHIKA	1	2			4	2	0.09	515	18					23.1	1.5	3178		7.6	127
522	6M205	MONGO	1	2		3	4	2	0.06	1518	34					27.4	1.0	3452	3	8.1	124
523	6M206	MONGO	1	2		3	4	2	0.05	1167	45					16.0	1.0	4513		11.3	126
524	6M207	MONGO	1	2		3	4	2	0.07	1212	62					12.4	1.0	4127		9.4	115
525	6M208	MONGO	1	2			4	2	5.65	1315	340					20.3		3029	7	4.0	22
526	6M209	MONGO	1	2			4	2	5.46	1587	381					15.2	0.5	4127	1	8.2	17
527	6M210	MONGO	1	2			4	2	5.75	995	339					16.7	0.5	2545		4.8	21
528	6M211	MONGO	1	2			4	2	5.67	1454	805					15.4		4769		5.4	19
529	6M212	MONGO	1	2			4	2	5.72	1475	358					9.2		2549		5.0	22
530	6M213	MONGO	1	2			4	2	5.40	1454	261					27.1	0.3	2057		6.5	18
531	6M214	MONGO	1	2			4	2	5.50	1953	312			2		20.6		2545		7.1	23
532	6M215	MONGO	1	2			4	2	5.50	1507	226					10.3		2015	3	6.9	24
533	6M216	KANGA	1	1	2	3	1	1	0.10	6120	153					15.1	2.1	2515		4.6	38
534	6M217	KANGA	1	1	2	3	1	2	0.05	5029	240					15.1	2.1	3402		6.0	32
535	6M218	KANGA	1	1	2	3	1	1	0.09	7148	273					17.4	2.9	3019	7	7.4	36
536	6M219	KANGA	1	1	2	3	1	1	0.09	5543	253					17.6	1.9	2548	1	6.6	28
537	6M220	KANGA	1	1	2	3	1	2	0.08	5245	302					26.3	1.8	3013		3.5	36
538	6M221	KANGA	1	2			1	2	0.06	5919	335			12		44.1	4.2	3221		7.9	35
539	6M222	KANGA	1	1	2	3	1	2	0.07	5485	236					32.2	3.1	2477	3	7.7	33
540	6M223	KANGA	1	1	2	3	4	2	0.07	6009	280					40.1	2.9	2998		6.0	36
541	6M224	KANGA	1	1	2	3	4	1	0.06	6455	309					38.6	6.1	3485		4.7	42
542	6M225	KANGA	1	1	2	3	4	1	0.09	5954	191					14.5	5.2	1517		5.1	34
543	6M226	KANGA	1	2	4	3	4	1	0.03	7617	224					29.2	1.8	1919	8	6.0	48
544	6M227	KANGA	1	1	2	3	1	2	0.07	6504	206					31.3	2.6	1005	2	8.6	40
545	6M228	KANGA	1	1	2	3	1	2	0.04	5479	241					15.6	1.1	1545	13	3.2	37
546	6M229	KANGA	1	2	4	3	1	1	0.08	6018	102					24.7	1.8	2213		3.9	53
547	6M230	KANGA	1	1	2	4	1	2	0.03	8114	129					15.4	3.1	1857	3	1.8	45
548	6M231	KANGA	1	2			3	5	0.07	6120	162					11.3	2.1	1925	5	4.9	52
549	6M232	KANGA	1	1	2	3	1	2	0.09	8503	181					16.6	2.8	1447	3	3.6	47
550	6M233	KANGA	1	1	2	3	1	1	0.06	5442	114					20.9	2.0	854		2.9	52
551	6M234	KANGA	1	1	2	3	1	1	0.05	6495	158					5.4	3.6	617		5.4	44
552	6M235	KANGA	1	1	2	3	1	1	0.04	8025	132					12.2	1.9	749	6	6.0	47
553	6M236	KANGA	1	1	2	3	1	2	0.10	6174	93		0.10			10.2	1.9	749		6.9	41
554	6M237	KANGA	1	1	4	1	1	2	0.09	6198	112					13.1	1.8	599	15	6.8	44
555	6M238	KANGA	1	1	4	1	1	1	0.05	5541	60					18.3	1.6	198		9.2	36
556	6M239	KANGA	1	1	4	1	1	2	0.04	6485	73		0.09			9.4	1.0	251		7.3	34
557	6M240	KANGA	1	1	2	1	1	2	0.10	6005	41					8.0	0.8	98		12.1	32
558	6M241	KANGA	1	1	1	1	4	1	0.02	6211	33		0.21			11.1	0.9	98	17	29.5	34
559	6M242	KANGA	1	1	2	1	1	2	0.04	7413	26					19.1	1.8	51		10.3	31
560	6M243	KANGA	1	1	2	1	1	2	0.05	8988	37							51		12.4	31

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	NA	SR	S	TA	TE	TB	TL	TH	SN	TI	W	U	V
561	6M244	KANGA	1	1	1		1	1	0.03	8102	11		0.10			13.6	1.1	194		14.0	53
562	6M245	KANGA	1	2			3	2	0.03	8474	47					23.3	1.5	53		12.2	50
563	6M246	KANGA	1	1	2		1	2	0.01	9665	61					7.4	0.6	42		90.3	30
564	6M247	KANGA	1	2			4	2	0.09	14018	43			2		21.5	10.7	2918			68
565	6M248	KANGA	1	2			4	2	1.93	1062	41					30.5	13.7	1239		7.1	56
566	6M249	KANGA	1	2			4	2	0.09	1355	132					18.3	18.7	1239		3.3	98
567	6M250	KANGA	1	2			4	2	0.05	2475	117					50.7	12.9	2412		5.5	120
568	6M251	KANGA	1	1	2		2	1	0.09	8153	96			12		7.6	0.8	12	13	19.7	33
569	6M252	KANGA	1	4			2	2	0.09	7925	121					4.9	0.5	99	16	15.6	35
570	6M253	KANGA	1	1	4		2	2	0.04	7545	57					14.3		45	22	107.0	33
571	6M254	KANGA	1	1	4		2	2	0.06	6110	82					15.2	0.5	52	24	6.6	26
572	6M255	KANGA	1	1	4		2	2	0.05	6450	119					20.1	0.4	21	81	8.4	32
573	6M256	KANGA	1	1	4		2	2	0.03	7053	107					11.3	0.9	38	18	8.1	29
574	6M257	KANGA	1	3			1	1	0.09	6619	143					15.2	1.1	97	15	5.3	24
575	6M258	KANGA	1	3			1	2	0.04	8125	188					6.7		145	20	7.4	30
576	6M259	KANGA	1	1	4		2	2	0.05	8755	217					12.5	1.3	102	27	9.2	21
577	6M260	KANGA	1	1	4		2	1	0.02	6218	189					7.4		55	25	8.8	25
578	6M261	KANGA	1	1	4		2	2	0.03	6586	218					10.3		92	88	5.2	21
579	6M262	KANGA	1	1	4		3	2	0.08	6105	226					16.6		95	16	7.0	23
580	6M263	KAPIR	1	1	3		3	2	0.07	6614	167					6.4		57	31	17.2	26
581	6M264	KAPIR	1	1	3		3	2	0.10	2419	183					70.3	6.9	2475	18	10.3	120
582	6M265	KAPIR	1	1	3		3	2	0.05	5989	154					15.1	0.7	303	24	6.4	22
583	6M266	KAPIR	1	1	3		3	2	0.12	5111	139					19.2	0.9	379	18	7.8	26
584	6M267	KAPIR	1	1	3		3	2	0.07	4567	124					18.9	1.3	482	16	6.2	22
585	6M268	KAPIR	1	1	3		3	2	0.06	5275	140					8.4	0.7	193	15	5.4	31
586	6M269	KAPIR	1	1	3		3	2	0.13	2307	75					72.1	3.5	3777	18	11.3	121
587	6M270	KAPIR	1	1	3		3	2	0.48	1418	217					99.4	1.4	959		8.1	83
588	6M271	KAPIR	1	1	3		3	2	0.40	4632	184					73.2	1.4	1006		16.6	80
589	6M272	KAPIR	1	1	3		3	2	2.58	1973	253					53.1	1.6	994		6.7	86
590	6M273	KAPIR	1	1	3		3	1	1.00	998	221					54.6	1.3	1946		8.3	82
591	6M274	KAPIR	1	1	3		3	1	2.21	1485	184					138.7	1.9	1549		13.6	96
592	6M275	NSALA	1	1	3		3	4	1.98	1523	37					9.7	2.1	966		6.2	110
593	6M276	NSALA	1	2			4	2	5.16	516	168					116.0	0.8	3609		13.1	166
594	6M277	NSALA	1	2			3	2	0.06	503	104					63.0	5.1	3167	2	7.5	124
595	6M278	KONGW	1	2			4	2	1.77	915	173					18.3		996		2.7	11
596	6M279	KONGW	1	2			4	2	1.89	505	37					15.4	0.3	1543		0.9	7
597	6M280	KONGW	1	2			4	2	1.65	457	58					30.1		971		1.2	8
598	6M281	KONGW	1	2			4	1	1.67	357	69					9.4		1231		2.9	9
599	6M282	KONGW	1	2			4	1	3.62	2024	143					49.3	0.9	1315		11.5	156
600	6M283	KONGW	1	2			4	1	2.58	211	21					12.7	2.0	1957		4.1	21
601	6M284	KONGW	1	2			4	1	2.77	269	44					6.6	2.0	1495		6.2	22
602	6M285	KONGW	1	2			4	1	2.40	516	33					9.2	1.1	979		5.3	21
603	6M286	KONGW	1	2			4	1	2.42	142	49					19.3	1.0	3072		3.6	26
604	6M287	KONGW	1	2			4	1	2.58	515	27					33.7	1.0	1471		1.5	24
605	6M288	KONGW	1	2			4	2	2.26	318						22.1	1.2	2955		2.2	26
606	6M289	KONGW	1	2			4	2	2.04	501	24					7.4	2.0	912		0.8	21
607	6M290	KONGW	1	2			4	2	3.62	632	144					57.6	0.9	998		12.2	162
608	6M291	KONGW	1	2			4	1	2.00	574	64					8.7	0.9	766		1.0	17
609	6M292	KONGW	1	2			4	1	2.02	414	46					11.3	0.7	808		1.6	18
610	6M293	ALIGO	1	2			4	2	2.65	982	147					45.1	1.5	9975		10.1	182
611	6M294	ALIGO	1	1			4	1	2.81	762	161					43.1	1.7	15843		14.3	185
612	6M295	ALIGO	1	2			4	2	2.72	550	191					31.2	1.9	9175		10.7	184
613	6M296	ALIGO	1	2			4	2	2.47	774	64					6.3	0.4	3077		18.2	50
614	6M297	ALIGO	1	2			4	2	2.50	4147	41					129.1	9.7	4253		5.3	47
615	6M298	ALIGO	1	2			4	2	3.51	1758	135		0.08				0.3	8105		7.2	23
616	6M299	ALIGO	1	2			4	2	3.58	1556	123					47.6	0.9	13418		4.9	162

## GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

DPS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	NA	SR	S	TA	TE	TB	TL	TH	SN	TI	W	U	V
617	6M300	ALIGO	1	2			4	2	1.82	379	42					8.5	0.6	617		3.0	4
618	6M301	ALIGO	1	2			4	2	1.67	82	61		0.21			5.4	0.4	480		2.4	3
619	6M302	ALIGO	1	2			4	2	2.89	144	75					0.7	0.7	389		1.6	5
620	6M303	ALIGO	1	2			4	1	2.78	325	50					11.3	0.5	1220		1.3	4
621	6M304	ALIGO	1	2			4	2	2.40	275	39					0.4	2.1	947		4.0	12
622	6M305	ALIGO	1	1			4	1	3.84	159	11					593.4	2.9	9139		16.8	100
623	6M306	KADON	1	2			4	2	4.01	104	38					1847.2	2.5	10739		82.8	105
624	6M307	KADON	1	2			5	2	6.65	139	29					129.2	2.0	3245		70.4	4
625	6M308	KADON	1	2			5	2	3.82	208	13					17.7	3.8	1215		19.6	20
626	6M309	KADON	1	2			5	2	4.04	212	27					18.6	1.7	2984		17.1	22
627	6M310	KADON	1	2			5	2	3.90	121						9.6	1.3	4127		12.5	27
628	6M311	KADON	1	2			5	2	4.16	33	38	24				243.3	7.3	3674		28.0	25
629	6M312	KADON	1	2			4	2	3.80	312	26					46.7	1.1	1564		5.9	158
630	6M313	KADON	1	2			4	2	2.58	425	19					15.8	1.9	3471		13.0	21
631	6M314	KADON	1	2			1	2	2.70	1102						22.1	2.3	2985		15.4	24
632	6M315	MLIND	1	2			3	2	1.86	955	17		0.06			36.4	3.1	3946		4.4	91
633	6M316	MLIND	1	2			1	2	2.24	1271	16					14.7	4.0	5554		3.3	92
634	6M317	MLIND	1	2			3	2	2.00	275	13		0.05			27.0	3.4	4929		2.9	96
635	6M318	MLIND	1	3			3	2	0.03	320	44					0.4		143		0.1	7
636	6M319	MLIND	1	3			3	2	0.05	515	49							198		0.4	6
637	6M320	MLIND	1	3			3	1	4.16	70	80					23.1	2.8	896		0.5	7
638	6M321	MLIND	1	2			1	1	0.34	881	165		0.43			16.3		3712		0.4	143
639	6M322	MLIND	1	3			1	1	0.65	415	157		0.10			25.9	0.4	6947		0.9	215
640	6M323	MLIND	1	3			1	1	0.75	172	173					50.1	0.7	3215		0.6	226
641	6M324	MLIND	1	3			1	1	0.87	911	139					9.0	0.6	7250		0.4	231
642	6M325	MLIND	1	3			1	1	0.72	316	201		0.13			13.4	0.7	8817		1.6	225
643	6M326	MLIND	1	3			1	1	0.85	257	182		0.07			32.2	0.7	8465		1.0	240
644	6M327	MLIND	1	3			1	1	0.72	456	161					15.4	1.0	9659		0.5	221
645	6M328	MLIND	1	3			1	2	0.84	1060	179					15.8	1.3	3547		0.4	215
646	6M329	MLIND	1	3			1	2	0.75	418	192					22.1	0.6	9766		1.5	222
647	6M330	MLIND	1	3			3	1	0.79	275	152					37.6	0.4	8961		2.4	218
648	6M331	MLIND	1	3			1	1	0.79	1273	176		0.06			46.7	0.4	10462		1.1	266
649	6M332	MLIND	1	3			1	1	0.84	1414	143		0.06			27.6	0.3	9417		1.0	235
650	6M333	MLIND	1	3			1	2	0.83	482	151		0.08			19.8	0.9	9984		1.6	227
651	6M334	MLIND	1	3			1	2	3.34	227	35					6.2	0.7	5251		4.9	52
652	6M335	MLIND	1	3			1	2	0.30	483	203					12.4	2.1	13987		0.7	191
653	6Y001	TUNDU	1	1			1	2	0.03	15373	57					0.3	1.8	2543		8.2	248
654	6Y002	TUNDU	1	1			1	2	0.03	17539	48					0.8	1.4	2254		11.0	179
655	6Y003	TUNDU	1	1			1	2	0.04	18377	18					0.2	1.1	3569			279
656	6Y004	TUNDU	1	1			1	2	0.07	5223	434						2.1	13987		0.3	231
657	6Y005	TUNDU	1	1			1	2	0.08	4474	88						1.8	2988		0.3	231
658	6Y006	TUNDU	1	1			1	2	0.14	3831	134						2.6	21029		1.0	315
659	6Y007	TUNDU	1	1			1	2	0.03	10534	136					5.1	4.2	3637		18.7	40
660	6Y008	TUNDU	1	1			1	2	0.03	9734	149					5.6	2.1	2055		22.1	77
661	6Y009	TUNDU	1	1			1	1	0.09	11735	47					12.3	1.2	1983		15.3	77
662	6Y010	TUNDU	1	1			1	1	0.03	9007	101							1250		20.0	41
663	6Y011	TUNDU	1	1			1	2	0.05	10159	150						0.6	908			67
664	6Y012	TUNDU	1	1			1	2	0.05	12135	51					7.2	3.0	1590		23.5	321
665	6Y013	TUNDU	1	1			3	1	0.05	12135	51					16.1	0.5	1112		6.3	118
666	6Y014	TUNDU	1	1			1	2	0.18	9588	39					18.9	0.7	1291		6.1	17
667	6Y015	TUNDU	1	1			4	2	0.31	10249	17					24.4		1055		9.8	138
668	6Y016	TUNDU	1	1			2	2	0.02	10375	46					50.6		1444		2.7	7
669	6Y017	TUNDU	1	1			1	1		1477						7.3	0.6	44		2.7	
670	6Y018	TUNDU	1	1			4	1	0.02	898	22					2.4		45			
671	6Y019	TUNDU	1	1			4	1		5353						251.2	0.9	373		20.5	55
672	6Y020	TUNDU	1	2			3	1	4.08	14321	160					1.8	0.6	3259			53

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK2	ALT	QCC	LCN	NA	SR	S	TA	TE	TB	IL	TH	SN	TI	W	U	V
673	6Y021	TUNDU	1	2		1	2	0.98	11158	28			10		0.9		1584			134
674	6Y022	TUNDU	1	2		1	2	0.50	24179	40			14		13.1		753			21
675	6Y023	TUNDU	1	2		1	2	0.26	27643	36					0.4		58			
676	6Y024	TUNDU	1	2		1	2	0.15	25836	103			7		6.1		578			
677	6Y025	TUNDU	1	2		1	1	0.10	26443	68					20.9	0.8	480			
678	6Y026	TUNDU	1	2		1	1	0.20	23547	119			15		12.8		888			6
679	6Y027	TUNDU	1	2		1	2	0.09	24722	127			8		0.9	0.9	1523			97
680	6Y028	TUNDU	1	2		1	2	0.18	18855	128			10		0.9	1.2	1052		4.9	80
681	6Y029	TUNDU	1	2		1	2	0.04	12527	105					1.4	1.4	1750		109.1	114
682	6Y030	SONGW	1	2		2	2	0.03	7255	49		0.67			813.2	0.5	966		109.1	48
683	6Y031	SONGW	1	2		4	2	0.01	3219	110			32		132.6		398		91.8	
684	6Y032	SONGW	1	2		4	2	0.03	3346	98			33		156.9		405		78.3	
685	6Y033	SONGW	1	2		4	1	0.01	2579	51		0.38			659.1	0.8	666		89.5	57
686	6Y034	SONGW	1	3		2	1	0.01	2579	51			41		114.0		250		83.1	82
687	6Y035	SONGW	1	1		2	2	0.03	6533	26			29		144.3	0.9	160		57.7	74
688	6Y036	SONGW	1	1		2	2	0.03	7043	55			19		132.4	2.1	660		63.4	59
689	6Y037	SONGW	1	1		2	2	0.08	4547	185			16		148.9		497		48.1	91
690	6Y038	SONGW	1	1		2	2	0.12	4996	26			25		526.6	7.0	9694		70.9	544
691	6Y039	SONGW	1	2		4	2	0.14	1168	178			42		167.6	2.0	705		107.5	29
692	6Y040	SONGW	1	1		4	2	0.10	4783	139			30		222.5		652		102.0	136
693	6Y041	SONGW	1	1		4	2	0.05	16150	37			34		155.1		223		92.7	110
694	6Y042	SONGW	1	1		4	2	0.03	12537	99			31		182.6		255		98.1	50
695	6Y043	SONGW	1	1		4	2	0.01	17480	152			37		145.4		387		101.8	86
696	6Y044	SONGW	1	1		4	2	0.02	18055	24			28		511.3		89		113.6	22
697	6Y045	SONGW	1	2		4	2	0.04	19934	55			33		370.4	4.5	7351		75.5	104
698	6Y046	SONGW	1	2		4	2	0.04	694	178			15		313.8	0.9	506		43.9	42
699	6Y047	SONGW	1	1		2	2	0.03	7409	66			23		176.7		688		34.3	74
700	6Y048	SONGW	1	1		2	2	0.03	3750	86			8		166.2		650		38.1	49
701	6Y049	SONGW	1	1		2	2	0.02	2575	44			14		147.1	0.8	505		34.9	114
702	6Y050	SONGW	1	1		4	2	0.01	3837	51			6		153.4	1.4	352		37.5	55
703	6Y051	SONGW	1	1		4	2	0.01	6875	87			20		135.5	0.9	725		40.7	25
704	6Y052	SONGW	1	1		4	2	0.03	6070	52			18		132.8		405		33.1	73
705	6Y053	SONGW	1	3		4	2	0.01	3110	88			11		188.1	0.8	355		43.9	57
706	6Y054	SONGW	1	1		4	2	0.05	1973	92					157.6		388		25.2	94
707	6Y055	SONGW	1	1		4	2	0.02	1894	178			13		270.3		352		40.5	56
708	6Y056	SONGW	1	1		4	2	0.01	2453	83			9		140.1		935		45.0	49
709	6Y057	SONGW	1	1		4	2	0.02	3940	401			7		432.0		2640		72.2	143
710	6Y058	SONGW	1	2		4	2	0.04	4222	1147			23		239.3	0.5	727		52.8	53
711	6Y059	SONGW	1	2		4	2	0.01	17016	165			19		120.6		850		40.3	46
712	6Y060	SONGW	1	1		4	2	0.01	15877	395		0.32			140.6	0.9	959		16.9	150
713	6Y061	SONGW	1	1		1	2	0.06	17180	41			38		96.3		552		20.5	19
714	6Y062	SONGW	1	1		1	2	0.01	15776	124			6		111.4	1.2	630		55.0	96
715	6Y063	SONGW	1	1		1	2	0.01	3351	101			26		154.5		294		48.1	90
716	6Y064	SONGW	1	1		1	2	0.02	2946	79			21		58.7		850		27.0	85
717	6Y065	SONGW	1	1		1	1	0.02	2946	79			36		474.6	1.4	288		34.2	131
718	6Y066	SONGW	1	1		1	1	0.01	1484	97			37		137.1		46		22.8	32
719	6Y067	SONGW	1	1		1	1	0.01	2950	88			50		127.0	0.5	118		5.4	66
720	6Y068	SONGW	1	1		1	1	0.03	3179	51			25		380.4	0.7	765		31.5	85
721	6Y069	SONGW	1	3		4	1	0.01	12860	167			17		140.3	0.5	314		271.0	109
722	6Y070	SONGW	1	1		1	1	0.01	1787	201			41		181.2		667		24.6	166
723	6Y071	SONGW	1	1		1	1	0.03	9248	58			31		181.2		667		27.6	25
724	6Y072	SONGW	1	1		1	1	0.03	15974	55			45		148.9		370		27.6	25
725	6Y073	SONGW	1	1		1	1	0.08	12500	125			41		153.8		257		15.0	35
726	6Y074	SONGW	1	1		1	1	0.03	12500	125			41		153.8		257		15.0	35
727	6Y075	SONGW	1	1		1	2	0.01	12974	26			51		153.8		257		15.0	35
728	6Y076	SONGW	1	1		1	2	0.01	12974	26			51		153.8		257		15.0	35

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	NA	SR	S	TA	TE	IB	TL	TH	SN	TI	W	U	V	
729	6Y077	SONGW	1	1	2		1	2	0.05	14175	98					145.0	0.70	202		18.4	48	
730	6Y078	SONGW	1	1	2		1	2	0.02	12751	74					148.2		188		16.2	10	
731	6Y079	SONGW	1	1	2		1	2	0.03	21207	55					174.1	0.80	167		2.7	79	
732	6Y080	NAMAN	1	2			5	2	1.05	785	210					35.0		696		8.1	110	
733	6Y081	NAMAN	1	2			5	2	6.77	250	820					25.4	1.00	2886		6.9	128	
734	6Y082	NAMAN	1	2			5	1	1.27	944	748					13.8		1398		2.3	150	
735	6Y083	NAMAN	1	2			5	1	0.75	1251	491					9.1	1.20	1550		6.3	140	
736	6Y084	NAMAN	1	2			5	1	0.83	484	175					23.4		1857		2.0	100	
737	6Y085	NAMAN	1	2			5	3	0.63	785	134					33.9	1.00	1120		3.4	10	
738	6Y086	NAMAN	1	3			5	1	0.27	61	251					19.0		819			33	
739	6Y087	NAMAN	1	2			5	1	0.92	125	220					12.0		1780			188	
740	6Y088	NAMAN	1	2			5	1	0.57	98	25					15.4		1525			16	
741	6Y089	NAMAN	1	2			1	1	1.05	343	36					14.2		1899			27	
742	6Y090	NAMAN	1	2			5	1	0.98	920	73					7.1		1205				
743	6Y091	NAMAN	1	2			5	1	6.00	737			0.91			24.0	4.70	2450		2.1	143	
744	6Y092	NAMAN	1	1	2		5	1	3.02	191						18.3	2.20	1450			84	
745	6Y093	NAMIN	1	3			1	1	2.23	451	52					31.4	1.20	1775		4.3	49	
746	6Y094	NAMIN	1	3			3	2	0.99	207	26					35.9	0.90	2008		1.9	105	
747	6Y095	NAMIN	1	3			3	2	1.98	310	36					10.2		1520		4.5	5	
748	6Y096	NAMIN	1	3			1	1	2.69	123	63					17.1		879		4.5	5	
749	6Y097	NAMIN	1	3			1	1	1.93	110	101					6.8	1.10	720		1.7	20	
750	6Y098	NAMIN	2	3			1	1	2.05	154	26					9.4		953		4.8	58	
751	6Y099	NAMIN	1	3			1	1	1.53	129						15.9	1.20	535			13	
752	6Y100	NAMIN	1	3			1	1	2.27	131	36					27.8	0.80	630			8	
753	6Y101	NAMIN	1	3			1	1	1.52	125	58					8.6	1.40	351				
754	6Y102	NAMIN	1	3			1	1	1.97	105	96					13.7	7.20	505		2.3	7	
755	6Y103	NAMIN	1	3			1	1	1.03	147	75					21.0		505		1.8	10	
756	6Y104	NAMIN	2	3			1	1	2.57	198	45					15.0	0.80	850		3.5	22	
757	6Y105	NAMIN	1	3			1	1	3.03	108	35					13.0		603		1.7	6	
758	6Y106	NAMIN	1	3			1	1	1.52	120	101					24.3	1.10	751		4.1	6	
759	6Y107	NAMIN	1	3			1	1	1.13	139	42					36.2		498		4.0	11	
760	6Y108	NAMIN	1	3			1	1	2.31	130	48					12.9		715		1.8	45	
761	6Y109	NAMIN	1	3			1	1	1.51	207	76					3.1		350				
762	6Y110	NAMIN	1	3			1	1	1.26	198	103					1.4		603				
763	6Y111	NAMIN	1	3			1	1	0.98	254	79					0.8	1.20	269				
764	6Y112	NAMIN	1	3			1	1	1.77	217	89					8.1		798		2.5	17	
765	6Y113	NAMIN	1	3			1	1	1.52	298	63					9.9	0.40	2037		3.4	42	
766	6Y114	NAMIN	1	3			3	2	0.93	17554	94					16.2	0.60	668		4.8	82	
767	6Y115	TUNDU	1	1	2		1	2	0.43	19173	104					8.5		854		2.3	47	
768	6Y116	TUNDU	1	1	2		1	2	0.13	22079	112					6.5	1.10	843		3.1	68	
769	6Y117	TUNDU	1	1	2		1	1	0.29	19708	119					17.2	1.10	461		70.4	82	
770	6Y118	TUNDU	1	1	2		1	2	0.20	20786	119					9.3		333		0.1	40	
771	6Y119	TUNDU	1	1	2		1	2	0.07	14679	58						1.50	591		33.2	15	
772	6Y120	TUNDU	1	1	2		1	2	0.10	16466	75						1.00	499		4.2	14	
773	6Y121	TUNDU	1	1	2		2	2	0.25	19796	115						1.8	1.00	586		5.2	70
774	6Y122	TUNDU	1	1	2		2	2	0.15	15947	146					2.4	0.80	377		27.5	84	
775	6Y123	TUNDU	1	1	2		2	2	0.22	16079	164					10.6		480		1.0	43	
776	6Y124	TUNDU	1	1	2		2	2	0.21	4557	146					15.1		620		3.3	56	
777	6Y125	TUNDU	1	1	2		2	2	0.08	2107	166					18.0	1.20	256		4.8	26	
778	6Y126	TUNDU	1	1	2		2	2	0.02	1021	217					20.6	0.90	501		2.1	48	
779	6Y127	TUNDU	1	1	2		2	2	0.18	26116	33					3.1	0.80	78				
780	6Y128	TUNDU	1	1	2		2	2	0.09	20559	68					0.4		157		0.1	16	
781	6Y129	TUNDU	1	1	2		2	2	0.05	22796	31					16.0	0.80	270			50	
782	6Y130	TUNDU	1	1	2		2	2	0.10	20575	52					3.2		115			110	
783	6Y131	TUNDU	1	1	2		2	2	0.06	21200	91					1.4	0.40	321		0.8	29	
784	6Y132	TUNDU	1	1	2		2	2	0.07	19865	25							66			11	

## GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	DCC	LCN	NA	SR	S	TA	TE	TB	TL	TH	SN	TI	W	U	V
785	6Y133	TUNDU	1	1	2	2	2	1	0.19	8796	110.0	.	.	.	.	8.0	.	785	.	3.1	55
786	6Y134	TUNDU	1	1	2	2	2	2	0.58	4115	360.0	.	.	.	.	7.9	.	1025	.	2.7	24
787	6Y135	TUNDU	1	1	2	2	2	1	0.39	4235	249.0	.	.	.	.	13.6	0.8	553	.	2.5	114
788	6Y136	TUNDU	1	1	2	2	4	2	1.88	3228	875.0	.	.	.	.	10.8	.	5587	.	7.7	251
789	6Y137	TUNDU	1	1	2	2	4	2	1.22	3989	550.0	.	.	.	.	16.1	.	870	.	4.3	.
790	6Y138	TUNDU	1	1	2	2	4	2	0.98	7979	149.0	.	.	.	.	0.9	1.2	530	.	12.6	155
791	6Y139	TUNDU	1	1	2	2	2	2	1.99	13055	11.0	.	.	.	.	0.9	.	275	.	1.6	46
792	6Y140	TUNDU	1	1	2	2	2	1	0.87	11796	40.0	.	.	.	.	.	1.1	660	.	1.3	62
793	6Y141	TUNDU	1	1	2	2	2	1	0.30	12922	.	.	.	.	.	.	.	94	.	.	.
794	6Y142	TUNDU	1	1	2	2	2	2	0.76	16156	25.0	.	.	.	.	9.2	.	450	.	1.9	42
795	6Y143	TUNDU	1	1	2	2	2	2	0.45	20261	59.0	.	.	.	.	10.4	1.8	296	.	13.4	57
796	6Y144	TUNDU	1	1	2	2	2	1	0.03	18424	12.0	.	.	.	.	9.3	2.9	883	.	.	56
797	6Y145	TUNDU	1	1	2	2	2	2	0.09	16554	148.0	.	.	.	.	1265.9	3.7	495	.	2.0	.
798	6Y146	CHILW	1	1	3	3	1	2	0.12	7474	2738.0	.	.	.	.	439.8	1.0	540	.	88.9	17
799	6Y147	CHILW	1	1	3	3	1	1	0.01	4495	195.0	.	.	.	.	45.7	6.73	352	.	150.4	44
800	6Y148	CHILW	1	1	3	3	1	1	0.01	4991	1749.0	.	.	.	.	40.7	1.2	673	.	54.3	115
801	6Y149	CHILW	1	1	3	3	1	1	0.05	4075	16.2	.	.	.	.	31.9	.	275	.	11.6	35
802	6Y150	CHILW	1	1	3	3	1	1	0.03	3196	959.0	.	.	.	.	18.9	.	275	.	15.4	59
803	6Y151	CHILW	1	3	3	3	3	2	0.05	1351	3078.0	1.11	.	.	.	10.8	1.2	110	.	28.4	.
804	6Y152	CHILW	1	1	2	2	1	2	0.05	1788	280.0	.	.	.	.	5.4	0.8	404	.	10.8	27
805	6Y153	CHILW	1	1	2	2	1	2	0.09	1974	190.0	.	.	.	.	2.9	0.6	257	.	8.3	48
806	6Y154	CHILW	1	1	2	2	1	1	0.01	2953	140.0	.	.	.	.	31.3	1.4	402	.	2.3	.
807	6Y155	CHILW	1	1	2	2	1	1	0.01	1233	173.0	.	.	.	.	11.7	1.8	358	.	4.5	30
808	6Y156	CHILW	1	1	2	2	1	1	0.01	1977	160.0	.	.	.	.	17.1	9.1	277	.	6.5	14
809	6Y157	CHILW	1	1	2	2	1	1	0.05	1784	92.0	.	.	.	.	5.1	2.0	205	.	21.3	9
810	6Y158	CHILW	1	1	2	2	1	1	0.01	1974	116.0	.	.	.	.	8.9	.	315	.	26.1	38
811	6Y159	CHILW	1	1	2	2	1	1	0.03	2055	130.0	.	.	.	.	20.6	.	221	.	13.0	22
812	6Y160	CHILW	1	1	2	2	1	1	0.03	2174	235.0	.	.	.	.	27.4	2.2	320	.	18.7	73
813	6Y161	CHILW	1	1	2	2	1	1	0.01	1746	251.0	.	.	.	.	13.3	2.4	478	.	24.3	29
814	6Y162	CHILW	1	1	2	2	1	1	0.09	2586	190.0	.	.	.	.	16.3	.	275	.	11.7	.
815	6Y163	CHILW	1	1	2	2	1	1	0.05	2249	251.0	.	.	.	.	7.3	.	350	.	17.9	23
816	6Y164	CHILW	1	1	2	2	1	1	0.03	1784	188.0	.	.	.	.	25.4	0.9	407	.	10.6	12
817	6Y165	CHILW	1	1	2	2	1	1	0.01	1598	151.0	.	.	.	.	32.9	.	198	.	8.8	39
818	6Y166	CHILW	1	1	2	2	1	1	0.05	2898	222.0	.	.	.	.	15.3	.	450	.	6.1	130
819	6Y167	CHILW	1	1	2	2	1	1	0.01	1917	160.0	.	.	.	.	13.2	0.6	159	.	6.2	65
820	6Y168	CHILW	1	1	2	2	1	1	0.03	2005	149.0	.	.	.	.	6.4	1.0	278	.	12.7	118
821	6Y169	CHILW	1	1	2	2	1	1	0.03	2175	192.0	.	.	.	.	8.7	.	202	.	.	.
822	6Y170	CHILW	1	1	2	2	1	1	0.01	1912	136.0	.	.	.	.	12.4	.	405	.	12.6	89
823	6Y171	CHILW	1	1	2	2	1	1	0.02	2438	152.0	.	.	.	.	19.1	2.1	220	.	1.6	24
824	6Y172	CHILW	1	1	2	2	1	1	0.01	3898	126.0	.	.	.	.	6.8	2.5	106	.	7.9	42
825	6Y173	CHILW	1	1	2	2	1	1	0.03	4222	68.0	.	.	.	.	13.2	.	159	.	20.5	61
826	6Y174	CHILW	1	1	2	2	1	1	0.05	3749	121.0	.	.	.	.	8.7	.	202	.	9.3	62
827	6Y175	CHILW	1	1	2	2	1	1	0.01	2105	102.0	.	.	.	.	12.4	.	405	.	12.6	89
828	6Y176	CHILW	1	1	2	2	1	1	0.01	2782	117.0	.	.	.	.	19.1	2.1	220	.	1.6	24
829	6Y177	CHILW	1	1	2	2	1	1	0.05	2782	117.0	.	.	.	.	6.8	2.5	106	.	7.9	42
830	6Y178	CHILW	1	1	2	2	1	1	0.01	2505	149.0	.	.	.	.	13.2	.	159	.	9.3	62
831	6Y179	CHILW	1	1	2	2	1	1	0.03	2498	192.0	.	.	.	.	6.3	1.4	279	.	20.5	61
832	6Y180	CHILW	1	1	2	2	1	1	0.02	2588	202.0	.	.	.	.	74.2	2.1	122	.	8.2	53
833	6Y181	CHILW	1	1	2	2	1	1	0.02	2737	79.0	.	.	.	.	80.9	2.0	198	.	6.4	75
834	6Y182	CHILW	1	1	2	2	1	1	0.06	2584	57.0	.	.	.	.	84.6	1.9	282	.	9.1	48
835	6Y183	CHILW	1	1	2	2	1	1	0.04	2715	24.0	.	.	.	.	78.3	1.8	154	.	7.3	62
836	6Y184	CHILW	1	1	2	2	1	1	0.05	3105	43.0	.	.	.	.	89.0	1.2	291	.	6.0	65
837	6Y185	CHILW	1	1	2	2	1	1	0.05	2631	54.0	.	.	.	.	93.0	1.6	755	.	5.2	85
838	6Y186	CHILW	1	1	2	2	1	1	0.07	3783	26.0	.	.	.	.	90.1	1.2	813	.	3.3	77
839	6Y187	CHILW	1	1	2	2	1	1	0.03	3919	25.0	.	.	.	.	90.1	1.2	827	.	4.0	109
840	6Y188	CHILW	1	1	2	2	1	1	0.04	3815	51.0	.	.	.	.	90.1	1.2	827	.	4.0	109

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

DBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	NA	SR	S	TA	TE	TB	TL	TH	SN	TI	W	U	Y	
841	6Y189	CHILW	1	1	2	1	1	1	0.05	3111	40			9		99.2	2.0	413	3	5.1	141	
842	6Y190	CHILW	1	1	2	1	1	1	0.05	6601	59			6		135.9		500		9.4	67	
843	6Y191	CHILW	1	1	2	1	1	2	0.15	4118	36			18		93.8	1.3	1925	8	41.6	206	
844	6Y192	CHILW	1	1	2	1	1	2	0.03	7815				10		80.4		1741	11	27.1	173	
845	6Y193	CHILW	1	1	2	1	1	2	0.08	7546	98			15		12.6	1.0	218	5	15.2	118	
846	6Y194	CHILW	1	1	2	1	1	1	0.10	9326	114			12		17.1	1.2	104		17.3	36	
847	6Y195	CHILW	1	1	2	1	1	1	0.11	5119	78			17		18.1	1.1	145		12.7	42	
848	6Y196	CHILW	1	1	2	1	1	1	0.19	4171	94			11		10.9	1.2	254		14.1	55	
849	6Y197	CHIKA	1	2	3	1	1	3	4.23	877	170					21.2	2.8	5622			11	
850	6Y198	CHIKA	1	3	4	1	1	4	4.18	825	153			7		19.4	2.9	4759			11	
851	6Y199	MONGD	1	2	4	1	1	4	4.63	282	33					8.6	0.8	217		7.9	15	
852	6Y200	MONGD	1	2	4	1	1	4	4.22	1028	82					15.8	2.2	331		12.5	25	
853	6Y201	KANGA	1	1	3	1	1	1	0.02	41926	182		0.06	5		18.7	1.7	170	46	12.7	21	
854	6Y202	KANGA	1	1	3	1	1	1	0.09	40285	163			3		20.5	1.5	212	38	9.9	30	
855	6Y203	KANGA	1	1	3	1	1	1	0.10	34190	141			2		14.4	1.3	350	48	16.3	16	
856	6Y204	KANGA	1	1	3	1	1	1	0.10	38761	173			1		20.0	1.5	265	42	10.4	27	
857	6Y205	KANGA	1	1	3	1	1	1	0.13	42827	201			1		12.1	1.2	202	37	12.1	31	
858	6Y206	KANGA	1	1	3	1	1	1	0.11	41009	172		0.10	7		13.9	1.8	434	48	15.6	36	
859	6Y207	KANGA	1	1	3	1	1	1	0.12	31027	156			1		18.4	1.9	217	40	9.9	17	
860	6Y208	KANGA	1	1	3	1	1	1	0.10	24580	182			1		12.4	1.8	254	32	15.2	30	
861	6Y209	KANGA	1	1	3	1	1	1	0.15	30254	99					13.2	1.7	458	40	17.0	19	
862	6Y210	KANGA	1	1	3	1	1	1	0.14	33136	142					17.9	1.5	213	49	12.5	16	
863	6Y211	KANGA	1	1	3	1	1	1	0.04	28335	196					16.0	0.6	162	45	14.8	25	
864	6Y212	KANGA	1	1	3	1	1	1	0.09	25510	217					11.4	1.1	194	38	11.3	28	
865	6Y213	KANGA	1	1	3	1	1	1	0.08	29146	167			1		15.1	1.5	294	47	17.9	25	
866	6Y214	KANGA	1	1	3	1	1	1	0.11	27850	148					15.9	0.9	422	41	11.7	25	
867	6Y215	KANGA	1	1	3	1	1	1	0.07	34159	193			1		12.9	1.3	417	50	15.3	35	
868	6Y216	KANGA	1	1	3	1	1	1	0.12	44501	170					21.8	0.9	695	46	17.2	18	
869	6Y217	KANGA	1	1	3	1	1	1	0.14	34986	82			7		23.4	1.2	386	37	13.9	13	
870	6Y218	KANGA	1	1	3	1	1	1	0.09	39817	105		0.11			15.3	1.1	544	42	8.1	31	
871	6Y219	KANGA	1	1	3	1	1	1	0.10	34180	164					17.1	1.1	518	45	13.7	20	
872	6Y220	KANGA	1	1	3	1	1	1	0.09	32100	211			7		18.0	1.4	646	49	15.4	35	
873	6Y221	KANGA	1	1	3	1	1	1	0.03	32851	228		0.08	8		24.0	1.3	1894	43	10.3	30	
874	6Y222	KANGA	1	1	3	1	1	1	0.05	36161	243					27.4	1.6	547	34	16.0	18	
875	6Y223	KANGA	1	1	3	1	1	1	0.04	44170	226					15.2	0.7	518	42	23.7	30	
876	6Y224	KANGA	1	1	3	1	1	1	0.06	33487	246					18.9	0.6	420	37	9.9	21	
877	6Y225	KANGA	1	1	3	1	1	1	0.09	40118	192					10.4	0.3	655	29	13.1	29	
878	6Y226	KANGA	1	1	3	1	1	1	0.07	31185	219					22.5	1.2	506	39	20.4	19	
879	6Y227	KANGA	1	1	3	1	1	1	0.05	44800	236		0.07	7		15.4	1.4	333	30	25.3	32	
880	6Y228	KANGA	1	1	3	1	1	1	0.02	42189	222					13.3	1.3	98	40	17.4	13	
881	6Y229	KANGA	1	1	3	1	1	1	0.05	45123	236					10.1	1.1	146	35	74.7	20	
882	6Y230	KANGA	1	1	3	1	1	1	0.05	54121	182			10		12.1	1.2	57	49	20.8	26	
883	6Y231	KANGA	1	1	3	1	1	1	0.03	66701	130					0.3	1.2	55	35	106.3	12	
884	6Y232	KANGA	1	1	3	1	1	1	0.04	61825	119			11		7.1	1.3	835	22	25.9	8	
885	6Y233	KANGA	1	1	3	1	1	1	0.03	9150	361		0.24	7		4.9	1.6	56	21	47.8	11	
886	6Y234	KANGA	1	1	3	1	1	1	0.05	61057	201					19.2	1.2	98	22	26.3	6	
887	6Y235	KANGA	1	1	3	1	1	1	0.04	54187	106		0.19	10		5.1	1.1	102	22	46.0	14	
888	6Y236	KANGA	1	1	3	1	1	1	0.03	68914	132		0.05	9		7.6	1.0	197	38	57.3	27	
889	6Y237	KANGA	1	1	3	1	1	1	0.03	65116	81		0.07	10		0.5	1.1	305	16	30.9	17	
890	6Y238	KANGA	1	1	3	1	1	1	0.03	73199	94		0.06	7		7.6	1.1	112	32	28.4	10	
891	6Y239	KANGA	1	1	3	1	1	1	0.03	81291	337			9		3.1	1.3	57	28	8.1	13	
892	6Y240	KANGA	1	1	3	1	1	1	0.02	79466	338		0.05	7			1.0	22	26	6.9	29	
893	6Y241	KANGA	1	1	3	1	1	1	0.02	85684	1531		0.21	7			1.0	97	56	12.1	24	
894	6Y242	KANGA	1	1	3	1	1	1	0.03	84127	502		0.10	7		0.2	0.9	44	38	17.5	26	
895	6Y243	KANGA	1	1	3	1	1	1	0.02	7464	382		0.05	6			1.1	191		6.1	16	
896	6Y244	KANGA	1	1	3	1	1	1	0.03	7125	341		0.05	7								

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OBS	NO	SECTOR	RS	RK	RK2	ALT	DCC	LCN	NA	SR	S	TA	TE	TB	TL	TH	SN	TI	W	U	V
897	6Y245	KANGA	1	1	3		1	1	0.04	75570	432			6		8.9	1.3	155	50	25.8	33
898	6Y246	KANGA	1	1	3		1	1	0.09	9064	482	17	0.08	6		36.2	5.2	1296	92	16.3	77
899	6Y247	KANGA	1	1	3		1	1	0.05	9418	323	32	0.09	6		34.6	5.0	947	82	20.9	107
900	6Y248	KANGA	1	1	3		1	1	0.01	2283	26		0.06	7		0.8		48		183.0	
901	6Y249	KANGA	1	1	3		1	1	0.04	54509				8			1.1	94		86.9	8
902	6Y250	KANGA	1	1	3		1	1	0.06	59184	37			7			1.1	50	86	58.2	16
903	6Y251	KANGA	1	1	3		1	1	0.05	42347	58			7			1.7	19	96	72.9	15
904	6Y252	KANGA	1	1	3		1	1	0.04	48490	41		0.05	9			1.3	49	86	67.0	7
905	6Y253	KANGA	1	1	3		1	1	0.03	9195	389	13		6				800	10	32.7	86
906	6Y254	KANGA	1	1	3		1	1	0.03	41579	312			10		12.1	1.7	154	24	21.4	29
907	6Y255	KANGA	1	1	3		1	1	0.05	54757	264			11		9.7	1.5	103	18	18.6	21
908	6Y256	KANGA	1	1	3		1	1	0.05	51236	289			9		14.6	1.6	155	57	27.4	14
909	6Y257	KANGA	1	1	3		1	1	0.03	69147	243			10		7.5	1.5	203	45	22.9	11
910	6Y258	KANGA	1	1	3		1	1	0.05	60618	221			10		19.6	1.3	150	52	21.4	16
911	6Y259	KANGA	1	1	3		1	1	0.04	51160	197			9		15.1	1.1	152	32	46.2	18
912	6Y260	KANGA	1	1	3		1	1	0.03	5515	242			11		11.1	1.5	173	32	55.3	32
913	6Y261	KANGA	1	1	3		1	1	0.04	45172	938			13		16.9	1.1	89	63	69.2	26
914	6Y262	KANGA	1	1	3		1	1	0.03	31246	263			10		13.4	1.6	144	52	65.8	37
915	6Y263	KANGA	1	1	3		1	1	0.04	44150	204			12		21.6	1.6	100	67	63.8	23
916	6Y264	KANGA	1	1	3		1	1	0.05	55149	350			11		15.0	1.5	151	65	24.0	52
917	6Y265	KANGA	1	1	3		1	1	0.03	43322	246			9		15.2	0.9	233	44	49.5	43
918	6Y266	KANGA	1	1	3		1	1	0.04	13915	301			10		35.4	1.1	256	35	39.2	50
919	6Y267	KANGA	1	1	3		1	1	0.02	4826	342			9		30.9	1.3	221	53	36.5	45
920	6Y268	KANGA	1	1	3		1	1	0.04	25146	471			10		35.3	0.9	154	41	47.0	52
921	6Y269	KANGA	1	1	3		1	1	0.05	14217	351			9		41.1	1.2	243	35	17.2	37
922	6Y270	KANGA	1	1	3		1	1	0.02	31171	304			8		41.1	1.4	291	30	32.5	31
923	6Y271	KANGA	1	1	3		1	1	0.02	24150	172			8		36.6	2.0	389	40	14.5	50
924	6Y272	KANGA	1	1	3		1	1	0.04	24151	206			10		30.3	1.6	344	21	15.5	65
925	6Y273	KANGA	1	1	3		1	1	0.02	24515	237			9		38.9	1.3	347	38	18.1	38
926	6Y274	KANGA	1	1	3		1	1	0.03	28817	307			10		27.2	2.0	428	23	14.0	63
927	6Y275	KANGA	1	1	3		1	1	0.04	26153	268			11		31.0	1.9	212	28	8.6	37
928	6Y276	KANGA	1	1	3		1	1	0.03	6419	246		0.07			29.6	3.1	2687	32	7.9	111
929	6Y277	KANGA	1	1	3		1	1	0.03	10025	221			10		38.9	1.9	698	13	6.8	42
930	6Y278	KANGA	1	1	3		1	1	0.04	19151	205			9		31.2	2.1	944	10	11.7	53
931	6Y279	KANGA	1	1	3		1	1	0.03	14823	222			9		43.1	2.0	997	16	8.2	47
932	6Y280	KANGA	1	1	3		1	1	0.04	12980	213			11		33.8	1.9	1010	16	12.0	45
933	6Y281	KANGA	1	1	3		1	1	0.04	10079	206			10		37.3	6.4	2450	17	9.4	64
934	6Y282	KANGA	1	1	3		1	1	0.03	18115	196			9		29.6	3.5	932	13	8.0	76
935	6Y283	KANGA	1	1	3		1	1	0.03	12358	154			10		26.4	1.9	701	6	4.7	81
936	6Y284	KANGA	1	1	3		1	1	0.04	14587	177			9		31.7	2.1	754	21	6.5	66
937	6Y285	KANGA	1	1	3		1	1	0.03	27318	194			9		25.4	2.9	621	10	12.1	38
938	6Y286	KANGA	1	1	3		1	1	0.03	14887	170			8		24.8	1.9	450	18	12.2	54
939	6Y287	KANGA	1	1	3		1	1	0.03	10075	184			10		22.0	1.7	496	10	8.5	27
940	6Y288	KANGA	1	1	3		1	1	0.04	9518	161			9		30.1	3.3	455	10	14.1	46
941	6Y289	KANGA	1	1	3		1	1	0.05	13136	147			10		19.3	4.0	406	15	8.2	33
942	6Y290	KANGA	1	1	3		1	1	0.04	20078	168			9		7.4	2.9	446	28	10.0	29
943	6Y291	KANGA	1	1	3		1	1	0.03	24413	181			5		9.5	4.1	270	9	5.4	22
944	6Y292	KANGA	1	1	3		1	1	0.03	18917	202		0.11	7		5.9	3.9	214	21	7.2	45
945	6Y293	KANGA	1	1	3		1	1	0.02	22315	126		0.06	5		10.2	3.1	196	18	5.1	30
946	6Y294	KANGA	1	1	3		1	1	0.02	21150	175		0.15	7		10.3	4.1	201	24	8.7	44
947	6Y295	KANGA	1	1	3		1	1	0.04	11253	121			4		5.5	6.0	156	31	6.1	18
948	6Y296	KANGA	1	1	3		1	1	0.03	19174	197			6		12.6	2.9	250	27	6.0	19
949	6Y297	KANGA	1	1	3		1	1	0.02	10250	113			4		12.1	2.3	207	27	10.9	14
950	6Y298	KANGA	1	1	3		1	1	0.03	9618	108		0.07	7		8.3	4.6	98	36	6.1	23
951	6Y299	KANGA	1	1	3		1	1	0.03	15307	94		0.16	5		13.2	1.9	132	24	5.2	21
952	6Y300	KANGA	1	1	3		1	1	0.02	21374	83		0.23	6		10.4	2.1	154	40	8.3	17

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	NA	SR	S	TA	TE	TB	TL	TH	SN	TI	M	U	V	
953	6Y301	KANGA	1	1	3		1	1	0.01	21544	101		0.21			11.3	1.3	91	40	4.1	53	
954	6Y302	KANGA	1	1	3		1	1	0.02	22587	82		0.25	5		6.2	2.1	147	30	5.7	26	
955	6Y303	KANGA	1	1	1		1	1	0.03	16175	77		0.30	6		10.5	1.9	122	23	3.5	43	
956	6Y304	KANGA	1	1	1		1	1	0.02	26109	94		0.21	4		11.8	1.8	196	32	5.1	27	
957	6Y305	KANGA	1	1	3		1	1	0.03	18719	62		0.19	6		10.1	2.5	353	43	9.0	16	
958	6Y306	KANGA	1	1	3		1	1	0.02	24170	81		0.11	7		10.8	3.0	150	39	5.0	13	
959	6Y307	KANGA	1	1	3		1	1	0.02	20105	43		0.06			12.2	3.5	659	15	11.9	42	
960	6Y308	KANGA	1	1	3		1	1	0.03	15973	64					14.0	3.5	729	17	8.6	32	
961	6Y309	KANGA	1	1	3		1	1	0.03	48913	42					14.9	1.3	28	64	8.5	21	
962	6Y310	KANGA	1	1	3		1	1	0.03	58174	27					12.2	1.0	39	72	12.1	29	
963	6Y311	KANGA	1	1	1		1	1	0.02	52233	36		0.09	6		14.8	1.0	18	74	11.3	25	
964	6Y312	KANGA	1	1	1		1	1	0.03	32175	52		0.20	5		23.2	3.8	650	59	13.5	37	
965	6Y313	KANGA	1	1	3		1	1	0.01	34991	49		0.15	6		15.9	1.7	412	22	8.6	23	
966	6Y314	KANGA	1	1	3		1	1	0.01	34814	73		0.16	5		18.7	2.3	487	20	12.4	23	
967	6Y315	KANGA	1	1	3		1	1	0.02	29918	111		0.05	4		12.5	3.1	645	50	8.1	18	
968	6Y316	KANGA	1	1	3		1	1	0.01	15175	102		0.17	5		15.5	4.0	694	48	7.9	15	
969	6Y317	KANGA	1	1	3		1	1	2.66	21991	117		0.06	4		11.2	1.9	591	35	13.2	78	
970	6Y318	KANGA	1	1	3		1	1	0.03	24918	90		0.10	6		16.4	1.3	607	48	5.0	28	
971	6Y319	KANGA	1	1	3		1	1	0.01	29116	67		0.09	5		16.1	1.5	695	41	7.5	40	
972	6Y320	KANGA	1	1	3		1	1	0.02	15418	86					15.0	1.1	547	30	11.2	27	
973	6Y321	KANGA	1	1	3		1	1	0.01	24175	89					14.8	0.9	637	37	9.9	37	
974	6Y322	KANGA	1	1	3		1	1	0.02	19817	71					21.1	2.0	544	33	8.0	66	
975	6Y323	KANGA	1	1	3		1	1	0.07	28501	53					19.9	2.1	616	18	7.7	50	
976	6Y324	KANGA	1	1	3		1	1		5430	44		0.35	6		27.7	9.1	3482	23	10.5	81	
977	6Y325	KANGA	1	1	3		1	1	0.02	22170	221		0.40	10		22.6	1.7	3974	25	6.9	68	
978	6Y326	KANGA	1	1	3		1	1	0.02	12751	190		0.29	10		20.8	1.8	3125	25	6.0	79	
979	6Y327	KANGA	1	1	3		1	1	0.03	21850	231		0.29	12		26.3	2.1	4284	17	10.1	75	
980	6Y328	KANGA	1	1	3		1	1	0.02	28814	152		0.28	11		27.2	1.5	4525	21	11.2	87	
981	6Y329	KANGA	1	1	3		1	1	0.03	21009	161		0.20	10		20.1	1.5	4107	25	5.9	90	
982	6Y330	KANGA	1	1	3		1	1	0.03	14750	229		0.15	11		25.9	2.7	3561	18	5.0	103	
983	6Y331	KANGA	1	1	3		1	1	0.03	22461	293		0.64	10		22.3	5.2	4256	24	6.9	79	
984	6Y332	KANGA	1	1	3		1	1	0.04	24107	282		0.50	12		19.7	3.3	4127	27	4.0	76	
985	6Y333	KANGA	1	1	3		1	1	0.03	23450	252		0.30	9		37.6	3.0	4526	20	9.5	101	
986	6Y334	KANGA	1	1	3		1	1	0.05	20580	181		0.15	8		20.7	2.9	4005	27	5.9	73	
987	6Y335	KANGA	1	1	3		1	1	0.04	21257	140		0.18	10		27.2	2.0	4913	25	7.8	93	
988	6Y336	KANGA	1	1	3		1	1	0.03	5981	112		0.28	7		20.2	6.1	4214	10	21.5	128	
989	6Y337	KANGA	1	1	3		1	1	0.04	8735	131		0.49	7		45.9	0.9	5876	18	15.3	81	
990	6Y338	KANGA	1	1	3		1	1	0.03	987	97		0.40			71.1	1.6	8517	16	24.0	126	
991	6Y339	KAPIR	1	3	3		3	1	0.04	1435	81		0.35			81.4	1.1	8121	12	24.1	163	
992	6Y340	KAPIR	1	3	1		3	1	0.04	961	89		0.55			92.8	1.9	8892	18	24.2	123	
993	6Y341	KAPIR	1	1	1		3	1	0.04	8418	104		0.10			87.6	1.2	6016	11	15.5	205	
994	6Y342	KAPIR	1	1	1		3	1	0.02	561	97		0.15			48.1	1.5	15174	17	20.3	139	
995	6Y343	KAPIR	1	2	5		5	1	0.03	7250	106		0.15	12		59.9	1.1	5415	8	12.6	122	
996	6Y344	KAPIR	1	2	5		5	1	0.02	7536	121		0.10	10		56.2	1.3	5027	4	17.7	110	
997	6Y345	KAPIR	1	2	5		5	1	0.03	793	140		0.08			61.2	1.3	17080		20.9	341	
998	6Y346	KAPIR	1	2	5		5	1	0.05	892	61		0.25			78.9	0.8	15618		15.7	317	
999	6Y347	KAPIR	1	2	5		5	1	4.22	951	99		0.31	5		81.5	0.6	10757	2	16.6	354	
1000	6Y348	NSALA	1	3	3		5	1	0.09	1170	143		0.20	7		50.0	1.3	3126	5	17.0	185	
1001	6Y349	NSALA	1	3	3		5	1	0.04	7915	187			9		55.1	1.1	3544	2	12.3	121	
1002	6Y350	NSALA	1	3	3		5	1	5.16	357	513		0.25			58.2	1.8	4009	3	7.1	149	
1003	6Y351	NSALA	1	3	3		5	1	5.02	631	377		0.27	8		58.4	1.9	3617	3	7.1	163	
1004	6Y352	NSALA	1	3	3		5	1	0.06	650	149		0.20	6		50.9	2.7	2515		15.9	114	
1005	6Y353	NSALA	1	3	3		5	1	0.04	726	228		0.10	9		56.3	1.3	3457		22.5	75	
1006	6Y354	NSALA	1	3	3		5	1	0.03	1015	192		0.15	6		30.8	2.9	5315	2	20.3	104	
1007	6Y355	NSALA	1	3	3		5	1	4.80	562	249			9		36.7	2.0	2614		22.7	29	
1008	6Y356	NSALA	1	2	3		3	1														

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	NA	SR	S	TA	TE	TB	TL	TH	SN	TI	W	U	V
1009	6Y357	NSALA	1	3			5	1	3.78	7782	184		0.10	10		40.2	2.1	220		20.0	38
1010	6Y358	NSALA	1	3			5	1	0.04	358	122		0.08			23.4	2.0	2551		8.1	62
1011	6Y359	NSOLA	1	3			5	1	0.07	409	57		0.07			30.1	1.9	2210		12.7	68
1012	6Y360	NSALA	1	3			1	1	2.18	238	70					22.4	0.7	1420		9.4	20

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	DCC	LCN	YB	Y	ZN	ZR
1	6H001	TUNDU	1	1	2		4	2	6.1	105	113	136
2	6H002	TUNDU	1	1	2		1	2	5.3	62	68	
3	6H003	TUNDU	1	1	2		1	2	4.4	69	45	
4	6H004	TUNDU	1	1	2		1	1	3.9	60	38	
5	6H005	TUNDU	1	1	2		1	1	3.4	66	392	
6	6H006	TUNDU	1	1	2		1	1	6.0	143	871	5
7	6H007	TUNDU	1	1	2		1	2	5.1	99	368	
8	6H008	TUNDU	1	1	2		1	1	0.7	23	357	77
9	6H009	TUNDU	1	1	2		4	1	9.0	122	1116	31
10	6H010	TUNDU	1	1	2		1	2	12.1	179	1136	14
11	6H011	TUNDU	1	1	2		1	2	4.9	67	1512	
12	6H012	TUNDU	1	1	2		1	1	10.3	184	606	51
13	6H013	TUNDU	1	1	2		1	2	3.4	23	1079	
14	6H014	TUNDU	1	1	2		1	2	4.1	65	972	27
15	6H015	TUNDU	1	1	2		3	1	2.8	47	515	
16	6H016	TUNDU	1	1	2		1	2	11.4	122	277	14
17	6H017	TUNDU	1	1	2		1	2	8.3	113	571	
18	6H018	TUNDU	1	1	2		3	2	15.8	233	306	7
19	6H019	TUNDU	1	1	2		1	1	4.4	51	390	
20	6H020	TUNDU	1	1	2		1	1	1.4	34	191	
21	6H021	NKALO	1	1	2		3	2	0.3	8	210	
22	6H022	NKALO	1	1	2		3	1	1.1	15	68	
23	6H023	NKALO	1	1	2		3	2	2.1	31	119	17
24	6H024	NKALO	1	1	2		3	1	2.0	40	80	6
25	6H025	NKALO	1	1	2		3	1	3.1	45	145	
26	6H026	NKALO	1	1	2		3	2	0.7	11	258	6
27	6H027	NKALO	1	2	2		4	1	1.5	85	268	206
28	6H028	NKALO	1	2	2		4	2	5.5	151	247	1540
29	6H029	NKALO	1	2	2		4	1	4.6	120	281	475
30	6H030	NKALO	1	2	2		4	1	1.9	65	224	1212
31	6H031	NKALO	1	2	2		4	1	1.0	46	115	213
32	6H032	NKALO	1	1	2		3	2	1.8	35	5037	6
33	6H033	NKALO	1	1	2		3	3	4.6	195	139	
34	6H034	NKALO	1	1	2		3	2	1.9	100	145	13
35	6H035	NKALO	1	1	2		3	2	2.1	125	160	7
36	6H036	NKALO	1	1	2		3	1	0.7	49	216	51
37	6H037	NKALO	1	1	2		3	2	10.6	76	391	
38	6H038	NKALO	1	1	2		3	2	2.3	136	119	
39	6H039	NKALO	1	1	2		3	1	12.1	100	166	
40	6H040	NKALO	1	1	2		3	2	8.5	135	163	
41	6H041	NKALO	1	1	2		3	2	12.0	129	181	
42	6H042	NKALO	1	1	2		3	3	10.5	131	381	64
43	6H043	NKALO	1	1	2		3	2	19.0	195	260	
44	6H044	NKALO	1	1	2		3	1	8.1	97	229	
45	6H045	NKALO	1	1	2		3	3	8.9	96	283	
46	6H046	NKALO	1	1	2		3	2	6.7	101	130	
47	6H047	NKALO	1	1	2		3	2	2.3	43	104	
48	6H048	NKALO	1	1	2		3	3	4.1	56	108	
49	6H049	NKALO	1	1	2		3	2	10.5	131	106	
50	6H050	NKALO	1	1	2		3	2	9.7	132	121	
51	6H051	NKALO	1	1	2		3	3	16.1	157	130	
52	6H052	NKALO	1	1	2		3	2	12.8	96	187	
53	6H053	NKALO	1	1	2		3	3	6.1	47	233	55
54	6H054	NKALO	1	1	2		3	3	3.1	65	133	
55	6H055	NKALO	1	1	2		3	2	2.2	46	159	
56	6H056	NKALO	1	1	2		3	3	6.7	123	165	

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	DCC	LCN	YB	Y	ZN	ZR
57	6H057	NKALO	1	1			3	1	6.1	125	267	9
58	6H058	NKALO	1	1			3	2	9.9	161	251	6
59	6H059	NKALO	1	1			3	1	19.5	195	217	6
60	6H060	NKALO	1	1			3	1	14.3	213	213	6
61	6H061	NKALO	1	1			3	2	27.3	187	222	35
62	6H062	NKALO	1	1			3	2	13.5	150	217	35
63	6H063	NKALO	1	1			3	1	15.0	161	195	6
64	6H064	NKALO	1	1			3	1	10.0	93	186	6
65	6H065	NKALO	1	1			3	2	2.5	87	129	49
66	6H066	NKALO	1	1			3	2	2.7	15	129	8
67	6H067	NKALO	1	1			3	2	2.7	15	252	8
68	6H068	NKALO	1	2			4	2	0.4	43	136	14
69	6H069	SALAM	1	2			4	2	1.0	35	85	33
70	6H070	SALAM	1	2			4	2	0.3	15	93	19
71	6H071	SALAM	1	2			4	2		4	71	6
72	6H072	SALAM	1	2			4	1		2	22	6
73	6H073	SALAM	1	2			4	1	0.5	10	20	12
74	6H074	SALAM	1	2			4	1	0.8	3	133	43
75	6H075	SALAM	1	2			4	2		15	95	15
76	6H076	SALAM	1	2			4	2		25	40	37
77	6H077	SALAM	1	2			4	2	3.1	121	195	24
78	6H078	SALAM	1	2			4	2	2.7	65	80	24
79	6H079	SALAM	1	2			4	1	0.6	55	66	81
80	6H080	SALAM	1	2			4	1		60	113	29
81	6H081	SALAM	1	2			4	1	2.5	80	50	20
82	6H082	SALAM	1	2			4	1	8.3	103	213	20
83	6H083	SALAM	1	2			4	2	6.5	91	16	6
84	6H084	SALAM	1	2			4	2	7.0	25	22	15
85	6H085	SALAM	1	2			4	2	4.6	102	310	19
86	6H086	SALAM	1	2			4	1	6.1	127	235	7
87	6H087	SALAM	1	2			4	1	7.5	151	53	21
88	6H088	SALAM	1	2			4	2	9.3	27	8	15
89	6H089	SALAM	1	3			5	2	17.6	199	293	19
90	6H090	CHIPA	1	2			5	2	27.8	253	181	44
91	6H091	CHIPA	1	2			5	2	21.1	240	78	6
92	6H092	CHIPA	1	2			5	1	24.0	210	358	6
93	6H093	CHIPA	1	2			5	1	21.0	201	231	6
94	6H094	CHIPA	1	2			5	2	12.8	156	167	6
95	6H095	CHIPA	1	2			5	2	6.7	93	167	59
96	6H096	CHIPA	1	2			5	2	13.6	157	121	33
97	6H097	CHIPA	1	2			5	2	35.1	235	130	48
98	6H098	CHIPA	1	2			5	1	7.7	98	401	32
99	6H099	CHIPA	1	2			5	1	1.1	25	223	12
100	6H100	CHIPA	1	2			5	1	2.7	35	224	6
101	6H101	CHIPA	1	2			5	2	0.9	18	285	6
102	6H102	MIKOM	1	2			5	2	2.6	30	168	6
103	6H103	MIKOM	1	2			5	2	3.0	41	303	6
104	6H104	MIKOM	1	2			5	2	2.0	25	110	6
105	6H105	MIKOM	1	2			5	1	0.9	18	105	19
106	6H106	MIKOM	1	2			5	1	1.3	48	173	32
107	6H107	MIKOM	1	2			5	1	1.9	56	130	25
108	6H108	MIKOM	1	2			5	2	2.5	31	121	43
109	6H109	MIKOM	1	2			5	2	2.4	37	123	32
110	6H110	MIKOM	1	2			5	1	2.3	41	101	20
111	6H111	MIKOM	1	2			5	1	4.3	50	90	8
112	6H112	MIKOM	1	2			5	2	1.2	20	74	6
									2.1	18	100	7

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	QCC	LCN	YB	Y	ZN	ZR
113	6H113	CHILW	1	1			1	1	0.6	15	386	
114	6H114	CHILW	1	1			1	2	0.4	11	209	
115	6H115	CHILW	1	1			1	1	0.3	19	563	
116	6H116	CHILW	1	1			1	1	1.0	20	420	
117	6H117	CHILW	1	1			1	1	0.9	34	211	
118	6H118	CHILW	1	1			1	1	0.7	19	229	
119	6H119	CHILW	1	1			1	2	1.1	53	245	
120	6H120	CHILW	1	1			1	2	1.3	43	105	
121	6H121	CHILW	1	2			4	2	0.6	34	115	
122	6H122	CHILW	1	2			4	2		19	494	12
123	6H123	CHILW	1	2			4	1		41	104	
124	6H124	CHILW	1	1			1	2	1.5	67	364	13
125	6H125	CHILW	1	1			1	2	2.1	80	204	
126	6H126	CHILW	1	1			1	1	1.4	91	213	
127	6H127	CHILW	1	1			1	1	2.8	95	165	
128	6H128	CHILW	1	1			1	1	0.8	43	170	
129	6H129	CHILW	1	1			1	1	1.5	51	115	
130	6H130	CHILW	1	1			1	1	2.9	59	199	
131	6H131	CHILW	1	1			1	1	6.3	89	263	
132	6H132	CHILW	1	1			1	1	7.0	70	379	
133	6H133	CHILW	1	1			1	1	4.3	46	504	
134	6H134	CHILW	1	1			1	1	7.5	95	493	
135	6H135	CHILW	1	1			1	2	10.1	113	387	
136	6H136	CHILW	1	1			1	2	17.4	103	531	
137	6H137	CHILW	1	1			1	1	16.3	100	602	
138	6H138	CHILW	1	1			1	1	7.8	105	650	
139	6H139	CHILW	1	1			1	1	15.1	108	371	
140	6H140	CHILW	1	1			1	1	13.7	117	431	
141	6H141	CHILW	1	1			1	1	14.1	136	995	
142	6H142	CHILW	1	1			1	2	12.5	133	1561	
143	6H143	CHILW	1	1			1	2	13.6	145	2767	
144	6H144	CHILW	1	1			1	1	14.6	156	2100	
145	6H145	CHILW	1	1			1	1	11.1	102	437	
146	6H146	CHILW	1	1			1	1	19.8	220	2111	
147	6H147	CHILW	1	1			1	1	15.9	178	1156	
148	6H148	CHILW	1	1			1	2	30.3	338	2767	
149	6H149	CHILW	1	1			1	2	10.5	141	963	
150	6H150	CHILW	1	1	4		1	2	4.1	84	811	
151	6H151	CHILW	1	1	4		1	2	11.3	176	2185	
152	6H152	CHILW	1	1	2		1	1	0.6	156	833	
153	6H153	CHILW	1	1	2		1	1	4.3	97	908	
154	6H154	CHILW	1	1	4		1	1	18.1	164	1370	
155	6H155	CHILW	1	1	4		1	1	12.4	248	1811	
156	6H156	CHILW	1	1	2		1	1	10.5	163	1464	
157	6H157	CHILW	1	1	2		1	1	27.5	185	1750	
158	6H158	CHILW	1	1	2		1	1	21.5	176	810	
159	6H159	CHILW	1	1	2		1	1	31.0	277	523	
160	6H160	CHILW	1	1	2		1	1	5.1	94	2199	
161	6H161	CHILW	1	1	4		1	1	12.8	139	3399	
162	6H162	CHILW	1	1	4		1	1	19.5	221	4003	
163	6H163	CHILW	1	1	4		1	1	11.5	198	2863	
164	6H164	CHILW	1	1	4		1	1	22.8	295	3187	
165	6H165	CHILW	1	1	4		1	1	25.1	115	3230	
166	6H166	CHILW	1	1	3		1	1	23.0	403	996	
167	6H167	CHILW	1	1	3		1	1	14.5	159	810	
168	6H168	CHILW	1	1	3		1	1	23.4	123	3275	

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	YB	Y	ZN	ZR
169	6H169	CHILW	1	1	3		1	1	11.1	147	911	.
170	6H170	CHILW	1	1	2		1	1	12.3	166	1051	.
171	6H171	CHILW	1	1			1	1	28.5	299		.
172	6H172	CHILW	1	1			1	1	10.5	153		.
173	6H173	CHILW	1	1			1	1	14.3	201		.
174	6H174	CHILW	1	1			1	1	15.5	203		.
175	6H175	CHILW	1	1			1	1	17.2	268		.
176	6H176	CHILW	1	1	3		1	2	5.1	101		.
177	6H177	CHILW	1	1	3		1	2	8.5	143		.
178	6H178	CHILW	1	1	3		1	1	9.3	161		.
179	6H179	CHILW	1	1	3		1	1	20.1	183		.
180	6H180	CHILW	1	1	3		1	1	6.8	120		.
181	6H181	CHILW	1	1	3		1	1	8.6	137		.
182	6H182	CHILW	1	1	3		1	1	9.4	141		.
183	6H183	CHILW	1	1	3		1	1	9.2	136		.
184	6H184	CHILW	1	1	3		1	2	10.1	102		.
185	6H185	CHILW	1	1	3		1	2	12.3	146		.
186	6H186	CHILW	1	1	3		1	1	12.4	151		.
187	6H187	CHILW	1	1	3		1	1	9.8	100		.
188	6H188	CHILW	1	1	3		1	1	10.6	111		.
189	6H189	CHILW	1	1	3		1	1	9.4	103		.
190	6H190	CHILW	1	2			4	1	9.4	107		.
191	6H191	CHILW	1	2			4	1	10.1	106		.
192	6H192	CHILW	1	2			4	1	6.1	28		.
193	6H193	CHILW	1	1			4	1	5.4	106		.
194	6H194	CHILW	1	1			1	1	6.3	108		.
195	6H195	CHILW	1	1			1	1	6.9	105		.
196	6H196	CHILW	1	2			1	1	6.0	108		.
197	6H197	CHILW	1	2			1	1	6.4	106		.
198	6H198	CHILW	1	2			1	2	10.1	137		.
199	6H199	CHILW	1	2			4	2	8.2	19		21
200	6H200	CHILW	1	2			4	1	2.3	18		42
201	6H201	CHILW	1	2			4	2	1.4	17		38
202	6H202	CHILW	1	2			4	2	2.3	19		33
203	6H203	CHILW	1	2			4	1	1.9	15		29
204	6H204	CHILW	1	2			4	2	0.7	14		30
205	6H205	CHILW	1	2			4	2	2.9	19		33
206	6H206	CHILW	1	2			4	1	2.4	15		31
207	6H207	CHILW	1	2			4	2	0.5	18		5
208	6H208	CHILW	1	2			4	2	1.3	18		10
209	6H209	CHILW	1	2			4	1	2.4	14		12
210	6H210	CHILW	1	2			4	2	0.8	22		7
211	6H211	CHILW	1	2			4	2	1.1	17		.
212	6H212	CHILW	1	2			4	1	1.6	16		.
213	6H213	CHILW	1	2			4	2	3.3	3		.
214	6H214	CHILW	1	2			4	2	4.5	47		411
215	6H215	CHILW	1	2			4	2	4.8	44		26
216	6H216	CHILW	1	2			4	1	2.9	22		393
217	6H217	CHILW	1	2			4	2	2.3	11		.
218	6H218	CHILW	1	2			4	2	1.6	17		.
219	6H219	CHILW	1	2			4	1	1.8	11		.
220	6H220	CHILW	1	2			4	1	1.1	19		.
221	6H221	CHILW	1	2			4	2	1.7	15		3
222	6H222	CHILW	1	2			4	2	2.6	27		.
223	6H223	CHILW	1	2			4	1	1.8	12		.
224	6H224	CHILW	1	2			4	2	3.6	28		.

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	DCC	LCN	YB	Y	ZN	ZR
225	6H225	MONGO	1	2			4	1	2.4	24	130	
226	6H226	MONGO	1	2			4	1	3.4	33	124	
227	6H227	MONGO	1	2			4	2	2.9	20	132	
228	6H228	MONGO	1	2			4	1	2.1	25	126	
229	6H229	MONGO	1	2			4	1	2.4	20	104	
230	6H230	MONGO	1	2			4	1	2.8	29	137	
231	6H231	MONGO	1	2			4	1	2.6	29	135	
232	6H232	MONGO	1	2			4	1	3.5	21	39	
233	6H233	MONGO	1	2			4	1	1.6	18	22	
234	6H234	CHAUM	1	2			4	1	5.6	41	101	375
235	6H235	CHAUM	1	2			4	2	5.1	40	241	393
236	6H236	CHAUM	1	2			4	2	6.6	43	229	418
237	6H237	CHAUM	1	2			4	2	11.6	176	125	408
238	6H238	CHAUM	1	2			4	2	8.2	180	109	410
239	6H239	CHAUM	1	2			4	1	22.7	186	127	418
240	6H240	CHAUM	1	2			4	1	6.8	172	124	386
241	6H241	ACHIR	1	2			4	2		3	31	
242	6H242	ACHIR	1	2			4	1		7	32	
243	6H243	ACHIR	1	2			4	2		5	51	
244	6H244	ACHIR	1	2			4	2	0.8	10	137	
245	6H245	ACHIR	1	2			4	1	0.7	6	116	
246	6H246	ACHIR	1	2			4	2	0.9	8	108	
247	6H247	ACHIR	1	2			4	2	0.6	12	127	
248	6H248	ACHIR	1	2			4	1	1.1	7	114	
249	6H249	ACHIR	1	2			4	2	1.6	8	733	
250	6H250	ACHIR	1	2			4	1	0.5	13	1603	
251	6H251	ACHIR	1	2			4	2	1.2	11	5081	
252	6H252	ACHIR	1	2			4	2	0.5	8	833	
253	6H253	ACHIR	1	2			4	1	0.6	9	94	
254	6H254	ACHIR	1	2			4	2		17	22	
255	6H255	ACHIR	1	2			4	2	1.3	3	38	
256	6H256	ACHIR	1	2			4	1	1.8	6	25	
257	6H257	ACHIR	1	2			4	2	0.8	5	51	
258	6H258	ACHIR	1	2			4	2	2.1	11	58	
259	6H259	ACHIR	1	2			4	1	1.6	6	36	
260	6H260	ACHIR	1	2			4	2	1.2	5	11	
261	6H261	ACHIR	1	2			4	2		8	25	
262	6H262	ACHIR	1	2			4	1		11	28	
263	6H263	ACHIR	1	2			4	1	0.4	6	18	
264	6H264	ACHIR	1	2			4	2	0.7	8	35	
265	6H265	ACHIR	1	2			4	1		11	22	
266	6H266	KONGW	1	2			4	1	4.3	113	88	59
267	6H267	KONGW	1	2			4	1	6.1	131	72	118
268	6H268	KONGW	1	2			4	1	5.6	125	93	163
269	6H269	KONGW	1	2			4	1	7.3	120	99	125
270	6H270	KONGW	1	2			4	1	8.0	111	118	207
271	6H271	KONGW	1	2			4	1	12.0	126	160	305
272	6H272	KONGW	1	2			4	1	9.2	120	176	113
273	6H273	KONGW	1	2			4	1	8.1	114	71	67
274	6H274	KONGW	1	2			4	1	9.4	117	102	28
275	6H275	KONGW	1	2			4	1	4.6	123	114	56
276	6H276	KONGW	1	2			4	1	3.4	4	80	
277	6H277	KONGW	1	2			4	1	2.3	118	18	23
278	6H278	KONGW	1	2			4	1	4.6	122	65	10
279	6H279	KONGW	1	2			4	1	1.4	126	58	25
280	6H280	KONGW	1	2			4	2	0.4	25	84	7

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	YB	Y	ZN	ZR
281	6H281	CHILO	1	3			1	1		6	36	
282	6H282	CHILO	1	3			1	1		4	64	
283	6H283	CHILO	1	3			4	1	0.8	7	55	
284	6H284	CHILO	1	3			1	1	0.2	6	54	
285	6H285	CHILO	1	3			1	1	1.3	4	54	
286	6H286	CHILO	1	3			3	1	1.2	3	98	
287	6H287	CHILO	1	3			1	1	1.4	20	22	
288	6H288	CHILO	1	3			1	1	1.0	2	12	
289	6H289	CHILO	1	3			1	1		7	31	
290	6H290	CHILO	1	3			1	1		5	13	
291	6H291	KAWAN	1	2			4	1		1	11	
292	6H292	KAWAN	1	2			4	1	0.3	3	22	
293	6H293	KAWAN	1	2			4	2		2	37	
294	6H294	KAWAN	1	3			1	1		1	8	
295	6H295	KAWAN	1	3			1	1	0.2	1	24	
296	6H296	KAWAN	1	2			4	1		7	24	
297	6H297	LIPER	1	2			4	2		5	39	
298	6H298	LIPER	1	2			4	4	0.5	6	48	
299	6H299	LIPER	1	2			4	2		5	26	
300	6H300	LIPER	1	2			4	2	0.7	5	24	
301	6H301	LIPER	1	2			4	1		2	24	
302	6H302	LIPER	1	2			4	1		2	23	
303	6H303	LIPER	1	2			4	1	1.3	2	54	25
304	6H304	NSENG	1	2	2		1	1	1.9	13	9	10
305	6H305	NSENG	1	2			5	1	2.1	22	74	25
306	6H306	NSENG	1	2			5	1	1.4	23	42	235
307	6H307	NSENG	1	2			5	1	2.6	25	70	266
308	6H308	NSENG	1	2			5	1	2.0	23	52	237
309	6H309	NSENG	1	2			5	1	2.8	34	31	188
310	6H310	NSENG	1	3			5	1	2.1	31	44	213
311	6H311	NSENG	1	3			1	1	1.9	2	18	
312	6H312	NSENG	1	1			1	1	1.2	22	69	
313	6H313	NSENG	1	3			1	1	1.2	2	54	
314	6H314	NSENG	1	1			1	1		2	46	
315	6H315	NSENG	1	1			1	1		1	24	
316	6H316	NSENG	1	3	3		1	1	0.5	4	24	
317	6H317	NSENG	1	1			1	1		1	34	
318	6M001	TUNDU	1	1			1	1		11	73	
319	6M002	TUNDU	1	1			1	2	8.1	294	498	
320	6M003	TUNDU	1	1			1	2	4.4	182	375	
321	6M004	TUNDU	1	1			1	1	5.4	188	354	
322	6M005	TUNDU	1	1			1	1	3.1	151	300	
323	6M006	TUNDU	1	1			1	1	24.2	572	162	
324	6M007	TUNDU	1	1			1	1	10.0	295	524	
325	6M008	TUNDU	1	1			1	2	9.1	173	553	
326	6M009	TUNDU	1	1			1	1	5.0	162	1198	
327	6M010	TUNDU	1	1			1	1	9.2	185	1401	
328	6M011	TUNDU	1	1			1	1	3.8	122	3107	
329	6M012	TUNDU	1	1			1	1	6.3	133	343	
330	6M013	TUNDU	1	1			1	2	5.0	96	455	
331	6M014	TUNDU	1	1			1	1	4.1	91	1085	12
332	6M015	TUNDU	1	1			1	1	0.9	31	624	6
333	6M016	TUNDU	1	1			1	2	0.3	16	523	4
334	6M017	TUNDU	1	1			1	2	1.0	44	522	6
335	6M018	TUNDU	1	1			1	1	7.0	106	626	6
336	6M019	TUNDU	1	1			1	1	8.3	117	714	6
									12.9	169	683	10

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	YB	Y	ZN	ZR
337	6M020	TUNDU	1	1	1	3	1	2	5.8	92	529	13
338	6M021	TUNDU	1	1	1	3	1	2	50.0	1279	760	24
339	6M022	MATOP	1	1	2	3	2	1	2.6	45	324	17
340	6M023	MATOP	1	1	2	3	2	2	4.1	78	346	85
341	6M024	MATOP	1	1	2	3	2	1	14.0	175	455	87
342	6M025	MATOP	1	1	2	3	2	1	17.3	255	405	5
343	6M026	MATOP	1	2	2	3	2	1	21.1	367	561	10
344	6M027	MATOP	1	1	2	3	2	1	18.5	271	748	16
345	6M028	MATOP	1	1	2	3	2	1	16.8	198	533	19
346	6M029	MATOP	1	1	2	3	2	2	18.2	251	461	15
347	6M030	MATOP	1	1	2	3	2	2	17.3	182	559	10
348	6M031	MATOP	1	1	2	3	2	1	18.2	184	547	12
349	6M032	MATOP	1	1	2	3	2	2	4.1	57	1038	13
350	6M033	MATOP	1	1	2	3	2	1	10.1	151	643	15
351	6M034	MATOP	1	1	2	3	2	1	3.8	143	502	14
352	6M035	SONGW	1	1	2	3	1	2	10.0	150	144	11
353	6M036	SONGW	1	1	2	3	1	1	15.3	255	874	11
354	6M037	SONGW	1	1	2	3	1	2	14.1	231	118	11
355	6M038	SONGW	1	1	2	3	1	2	11.9	202	319	9
356	6M039	SONGW	1	1	2	3	1	1	11.8	209	604	12
357	6M040	SONGW	1	1	2	3	1	2	6.6	173	418	11
358	6M041	SONGW	1	1	2	3	1	2	46.0	737	627	11
359	6M042	SONGW	1	1	2	3	1	1	42.1	569	544	3
360	6M043	SONGW	1	1	2	3	1	2	38.4	482	661	11
361	6M044	SONGW	1	1	2	3	4	2	39.6	533	262	11
362	6M045	SONGW	1	1	2	3	4	1	25.8	351	422	6
363	6M046	SONGW	1	1	2	3	4	2	4.9	255	359	2
364	6M047	SONGW	1	1	2	3	4	2	15.1	263	555	11
365	6M048	SONGW	1	1	2	3	4	1	14.7	241	475	11
366	6M049	SONGW	1	1	2	3	4	2	23.2	363	414	11
367	6M050	SONGW	1	1	2	3	4	2	13.9	226	285	11
368	6M051	SONGW	1	1	2	3	4	1	30.1	347	215	11
369	6M052	SONGW	1	1	2	3	4	2	29.3	447	119	11
370	6M053	SONGW	1	1	2	3	4	2	27.5	425	354	7
371	6M054	SONGW	1	1	2	3	4	1	19.7	341	418	11
372	6M055	SONGW	1	1	2	3	4	2	19.0	302	754	11
373	6M056	SONGW	1	1	2	3	4	2	34.0	390	1051	11
374	6M057	SONGW	1	1	2	3	4	2	18.1	257	4563	11
375	6M058	SONGW	1	1	2	3	4	2	16.3	169	1627	11
376	6M059	SONGW	1	2	2	3	4	2	17.7	201	1728	11
377	6M060	SONGW	1	1	2	3	4	2	14.1	130	2402	11
378	6M061	SONGW	1	2	2	3	4	2	5.2	84	401	164
379	6M062	SONGW	1	2	2	3	4	2	2.1	75	606	11
380	6M063	SONGW	1	1	2	3	4	1	1.4	43	621	11
381	6M064	SONGW	1	2	2	3	4	2	1.6	55	559	11
382	6M065	SONGW	1	2	2	3	4	2	6.0	161	3144	11
383	6M066	SONGW	1	1	2	3	4	1	21.0	455	5908	11
384	6M067	SONGW	1	1	2	3	4	2	3.2	92	674	113
385	6M068	SONGW	1	1	2	3	4	2	39.1	499	242	11
386	6M069	SONGW	1	1	2	3	4	1	29.5	361	764	11
387	6M070	SONGW	1	1	2	3	4	2	18.4	235	723	13
388	6M071	SONGW	1	1	2	3	4	2	27.0	317	815	11
389	6M072	SONGW	1	1	2	3	4	1	7.6	161	319	11
390	6M073	SONGW	1	2	2	3	4	2	15.2	222	481	11
391	6M074	NAMAN	1	2	2	3	5	2	7.1	159	641	11
392	6M075	NAMAN	1	2	2	3	5	2	18.6	331	1464	12

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RX	RK2	ALT	DCC	LCN	YB	Y	ZN	ZR
393	6M076	NAMAN	1	2		3	5	2	9.3	174	574	
394	6M077	NAMAN	1	2			5	2	6.9	144	678	
395	6M078	NAMAN	1	2			5	2	12.8	196	1329	
396	6M079	NAMAN	1	2			5	2	13.5	229	1528	
397	6M080	NAMAN	1	2			5	1	5.8	133	740	
398	6M081	NAMAN	1	2			5	1	0.2	30	276	
399	6M082	NAMAN	1	2			5	1	2.5	76	315	
400	6M083	NAMAN	1	2			5	2	0.3	43	221	
401	6M084	NAMAN	1	2		3	5	2	0.6	51	380	
402	6M085	NAMAN	1	2			5	2	5.5	132	818	
403	6M086	NAMAN	1	2			5	2	5.4	129	667	
404	6M087	NAMAN	1	2			5	2	6.2	152	568	
405	6M088	NAMAN	1	2		3	5	2	4.7	138	729	
406	6M089	NAMAN	1	2		3	5	2	3.2	79	806	8
407	6M090	NAMAN	1	2		3	5	2	3.4	62	118	49
408	6M091	NAMAN	1	2		3	5	2	3.0	50	148	57
409	6M092	NAMAN	1	2		3	5	2	2.8	42	364	6
410	6M093	NAMAN	1	2		3	5	2	1.5	25	922	
411	6M094	NAMAN	1	2		3	5	1	1.3	26	374	10
412	6M095	NAMAN	1	2		3	5	1	0.4	12	479	2
413	6M096	NAMAN	1	2		3	5	2	2.2	43	307	1
414	6M097	TUNDU	1	2		3	4	2	3.2	75	927	
415	6M098	TUNDU	1	2		3	4	2	0.8	82	806	
416	6M099	TUNDU	1	2		3	4	2	0.7	52	559	4
417	6M100	TUNDU	1	2		3	4	2	2.9	68	468	
418	6M101	TUNDU	1	2		3	4	1	0.3	52	825	
419	6M102	TUNDU	1	2		3	4	2	4.0	107	1176	
420	6M103	TUNDU	1	2		3	4	2	0.1	23	800	
421	6M104	TUNDU	1	2		3	4	1		35	738	
422	6M105	TUNDU	1	2		3	4	2	7.2	134	1618	11
423	6M106	TUNDU	1	2		3	4	2	4.3	96	936	5
424	6M107	TUNDU	1	2		3	4	1	4.4	101	857	2
425	6M108	TUNDU	1	2		3	4	2	3.0	58	748	5
426	6M109	TUNDU	1	2		3	4	2	3.3	65	833	
427	6M110	TUNDU	1	2		3	4	1	2.0	47	536	
428	6M111	TUNDU	1	2		3	4	2	0.6	28	379	
429	6M112	TUNDU	1	2		3	4	2	0.6	25	593	
430	6M113	TUNDU	1	1	2		4	1	6.1	117	1019	8
431	6M114	TUNDU	1	2	2		4	2	3.5	79	437	
432	6M115	TUNDU	1	2		3	4	2	0.3	16	480	
433	6M116	TUNDU	1	1	2		3	1	0.4	32	717	
434	6M117	TUNDU	1	2		3	4	2	1.7	53	638	
435	6M118	TUNDU	1	2		3	4	2	1.2	42	764	
436	6M119	TUNDU	1	2		3	4	1	1.6	46	411	
437	6M120	TUNDU	1	2		3	4	2	4.2	113	337	
438	6M121	TUNDU	1	2		3	4	2	3.0	102	280	
439	6M122	TUNDU	1	2		3	4	1	0.6	34	304	3
440	6M123	TUNDU	1	2		3	4	2	1.1	61	879	
441	6M124	TUNDU	1	2		3	4	2	4.3	112	493	
442	6M125	TUNDU	1	2		3	4	1	7.1	123	416	7
443	6M126	TUNDU	1	2		3	4	2	4.2	116	524	2
444	6M127	TUNDU	1	2		3	4	2	12.2	162	574	
445	6M128	TUNDU	1	2		3	4	2	8.1	129	510	
446	6M129	CHILW	1	1	3		1	2	14.3	175	477	
447	6M130	CHILW	1	1	3		1	1	13.2	169	615	
448	6M131	CHILW	1	1	3		1	2	44.2	795	2005	

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	DCC	LCN	YB	Y	ZN	ZR
449	6M132	CHILW	1	1	3		1	2	24.3	498	1533	
450	6M133	CHILW	1	1	3		1	1	3.3	153	1150	5
451	6M134	CHILW	1	1	3		1	2	17.0	193	1029	
452	6M135	CHILW	1	1	2		1	2	8.2	126	229	
453	6M136	CHILW	1	1	3		1	1	16.0	182	333	
454	6M137	CHILW	1	1	2		1	2	9.1	145	264	
455	6M138	CHILW	1	1	3		1	2	15.2	252	212	4
456	6M139	CHILW	1	1	3		5	1	9.9	164	538	
457	6M140	CHILW	1	1	3		1	2	2.1	187	268	
458	6M141	CHILW	1	1	2		1	2	6.0	151	91	
459	6M142	CHILW	1	1	3		1	1	6.9	156	154	
460	6M143	CHILW	1	1	3		1	1	5.1	133	133	
461	6M144	CHILW	1	1	3		1	2	1.3	69	369	
462	6M145	CHILW	1	1	3		1	2	2.3	147	338	
463	6M146	CHILW	1	1	2		1	2	2.0	78	428	
464	6M147	CHILW	1	1	4		1	2	8.1	86	1074	11
465	6M148	CHILW	1	1	4		1	2	4.2	108	355	
466	6M149	CHILW	1	1	4		1	2	1.4	96	499	6
467	6M150	CHILW	1	1	4		1	2	1.3	94	223	
468	6M151	CHILW	1	1	4		1	1	16.0	197	8678	
469	6M152	CHILW	1	1	4		1	1	6.7	137	1330	
470	6M153	CHILW	1	1	4		5	2	24.1	364	4482	
471	6M154	CHILW	1	1	4		1	2	1.8	77	1205	
472	6M155	CHILW	1	1	4		1	2	12.2	212	2473	
473	6M156	CHILW	1	1	3		1	2	0.2	69	915	
474	6M157	CHILW	1	1	3		1	2	0.2	28	1055	
475	6M158	CHILW	1	1	3		1	2	0.6	73	1362	6
476	6M159	CHILW	1	1	3		1	2	10.3	189	1644	
477	6M160	CHILW	1	1	3		1	1	5.7	143	971	
478	6M161	CHILW	1	1	3		5	2	3.1	127	762	
479	6M162	CHILW	1	1	3		1	2	1.5	93	531	3
480	6M163	CHILW	1	1	2		1	2	0.4	83	1169	2
481	6M164	CHILW	1	1	2		1	1	2.1	118	575	
482	6M165	CHILW	1	1	2		1	1	3.5	137	188	
483	6M166	CHILW	1	1	2		1	1	8.4	172	441	
484	6M167	CHILW	1	1	2		1	1	5.8	148	231	
485	6M168	CHILW	1	1	1		3	1	5.6	131	926	4
486	6M169	CHILW	1	1	1		1	1	1.6	88	391	
487	6M170	CHILW	1	1	2		1	1	6.2	139	514	
488	6M171	CHILW	1	1	3		1	1	13.0	215	371	
489	6M172	CHILW	1	1	2		1	1	4.4	134	298	
490	6M173	CHILW	1	1	2		1	1	1.0	32	448	
491	6M174	CHILW	1	1	3		1	1	2.6	101	907	8
492	6M175	CHILW	1	1	2		1	1	1.3	11	724	
493	6M176	CHILW	1	1	1		3	1	1.6	85	633	
494	6M177	CHILW	1	1	2		1	2	1.0	75	612	2
495	6M178	CHILW	1	1	2		1	2	1.2	53	632	
496	6M179	CHILW	1	1	2		1	2	2.2	78	420	
497	6M180	CHILW	1	1	2		1	2	1.0	64	543	
498	6M181	CHILW	1	1	2	3	4	2		13	160	
499	6M182	CHILW	1	1	2	3	1	2		11	135	
500	6M183	CHILW	1	1	2	3	1	2		13	154	
501	6M184	CHILW	1	2	2	3	4	2		12	130	
502	6M185	CHILW	1	1	2	3	4	2	0.3	12	200	
503	6M186	CHILW	1	2	2	3	4	2		13	121	
504	6M187	CHILW	1	2	2	3	4	2		6	44	

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	YB	Y	ZN	ZR
505	6M188	CHIKA	1	2			4	1		6	47	
506	6M189	CHIKA	1	2			4	1		9	37	
507	6M190	CHIKA	1	2			4	1		8	41	
508	6M191	CHIKA	1	2			4	1		5	43	
509	6M192	CHIKA	1	2			4	1	8.2	5	490	
510	6M193	CHIKA	1	2			4	1		5	54	
511	6M194	CHIKA	1	2			4	1	0.6	10	59	
512	6M195	CHIKA	1	2			4	1		10	56	
513	6M196	CHIKA	1	2			4	1		8	66	
514	6M197	CHIKA	1	2			4	1		8	61	
515	6M198	CHIKA	1	2			4	1	8.9	12	491	
516	6M199	CHIKA	1	2			4	2		10	78	
517	6M200	CHIKA	1	2			4	2		14	75	
518	6M201	CHIKA	1	2			4	2		13	81	
519	6M202	CHIKA	1	2			4	2	0.2	22	68	
520	6M203	CHIKA	1	2			4	2		26	57	
521	6M204	CHIKA	1	2			4	2		24	25	
522	6M205	MONGO	1	2	3		4	2		26	17	
523	6M206	MONGO	1	2	3		4	2	0.9	25	14	
524	6M207	MONGO	1	2	3		4	2		24	17	
525	6M208	MONGO	1	2			4	2	2.3	27	100	
526	6M209	MONGO	1	2			4	2	2.8	23	91	
527	6M210	MONGO	1	2			4	2	2.4	27	130	
528	6M211	MONGO	1	2			4	2	2.9	25	145	
529	6M212	MONGO	1	2			4	2	2.2	24	100	
530	6M213	MONGO	1	2			4	2	2.4	27	210	
531	6M214	MONGO	1	2			4	2	2.8	24	155	
532	6M215	MONGO	1	2			4	2	2.5	27	198	
533	6M216	KANGA	1	1	3		1	1	4.1	103	325	
534	6M217	KANGA	1	1	3		1	2	5.2	106	361	
535	6M218	KANGA	1	1	3		1	2	5.3	103	342	
536	6M219	KANGA	1	1	3		1	1	5.8	111	325	
537	6M220	KANGA	1	1	3		1	2	5.5	108	366	
538	6M221	KANGA	1	2			1	1	5.1	115	380	
539	6M222	KANGA	1	2			1	2	5.3	112	350	
540	6M223	KANGA	1	1	3		4	2	4.8	107	418	
541	6M224	KANGA	1	1	3		4	1	4.2	101	364	
542	6M225	KANGA	1	1	3		4	2	3.2	92	431	
543	6M226	KANGA	1	2	3		4	1	4.2	102	368	
544	6M227	KANGA	1	1	3		1	2	3.1	75	449	
545	6M228	KANGA	1	1	3		1	2	1.0	93	261	
546	6M229	KANGA	1	2	3		1	1	1.4	43	369	
547	6M230	KANGA	1	1	3		5	1		35	310	
548	6M231	KANGA	1	2	3		5	1		31	472	
549	6M232	KANGA	1	1	3		1	2	0.4	36	369	
550	6M233	KANGA	1	1	3		1	1		33	271	
551	6M234	KANGA	1	1	3		1	1		40	625	
552	6M235	KANGA	1	1	3		1	1		42	572	
553	6M236	KANGA	1	1	3		1	1		39	526	
554	6M237	KANGA	1	1	3		1	2	0.8	48	460	
555	6M238	KANGA	1	1	3		1	1	3.2	52	429	
556	6M239	KANGA	1	1	3		1	2	1.5	45	667	
557	6M240	KANGA	1	1	3		1	2	2.1	53	648	
558	6M241	KANGA	1	1	3		4	1	0.8	51	1925	
559	6M242	KANGA	1	1	3		1	2		51	718	
560	6M243	KANGA	1	1	3		1	2		53	624	

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	DCC	LCN	YB	Y	ZN	ZR
561	6M244	KANGA	1	1	1		1	1		59	502	
562	6M245	KANGA	1	2			3	2		57	419	
563	6M246	KANGA	1	1	2		4	2	0.4	61	358	
564	6M247	KANGA	1	2			4	2		11	1100	
565	6M248	KANGA	1	2			4	2		17	961	4
566	6M249	KANGA	1	2			4	2		11	1142	
567	6M250	KANGA	1	2			4	2	8.2	118	472	2
568	6M251	KANGA	1	1	2		2	1	1.6	93	634	
569	6M252	KANGA	1	1	4		2	2	1.4	92	718	
570	6M253	KANGA	1	1	4		2	2	1.1	93	656	
571	6M254	KANGA	1	1	4		2	1	1.5	81	871	
572	6M255	KANGA	1	1	4		2	2	2.1	87	811	
573	6M256	KANGA	1	1	4		2	2	2.8	71	750	7
574	6M257	KANGA	1	3			1	2	2.4	85	818	1
575	6M258	KANGA	1	3			1	1	2.3	77	868	4
576	6M259	KANGA	1	1	4		2	2	3.0	92	612	
577	6M260	KANGA	1	1	4		2	1	3.0	63	673	21
578	6M261	KANGA	1	1	4		2	1	3.4	29	7487	22
579	6M262	KANGA	1	1	4	3	2	2	3.2	63	710	10
580	6M263	KAPIR	1	1	3		3	2	4.1	57	765	7
581	6M264	KAPIR	1	1	3		3	2	8.7	119	476	
582	6M265	KAPIR	1	1	3		3	1	4.8	27	580	
583	6M266	KAPIR	1	1	3		3	2	3.2	45	522	
584	6M267	KAPIR	1	1	3		3	2	3.5	61	457	
585	6M268	KAPIR	1	1	3		3	1	3.0	36	411	
586	6M269	KAPIR	1	1	3		3	2	8.1	119	476	74
587	6M270	KAPIR	1	1	3		3	2	10.2	142	459	
588	6M271	KAPIR	1	1	3		3	1	10.4	141	492	
589	6M272	KAPIR	1	1	3		3	1	10.3	142	490	
590	6M273	KAPIR	1	1	3		3	1	9.8	154	458	
591	6M274	KAPIR	1	1	3		3	1	10.9	147	439	3
592	6M275	NSALA	1	1	3		4	1	0.4	152	37	8
593	6M276	NSALA	1	2			4	2	8.1	165	352	140
594	6M277	NSALA	1	2			4	2	7.6	18	55	99
595	6M278	KONGW	1	2			4	2	0.2	11	44	
596	6M279	KONGW	1	2			4	2		13	51	
597	6M280	KONGW	1	2			4	2		10	46	
598	6M281	KONGW	1	2			4	1		13	48	
599	6M282	KONGW	1	2			4	1	5.1	67	8	8
600	6M283	KONGW	1	2			4	1		9	38	
601	6M284	KONGW	1	2			4	1		9	37	
602	6M285	KONGW	1	2			4	1		11	40	
603	6M286	KONGW	1	2			4	1	2.0	30	62	
604	6M287	KONGW	1	2			4	1	2.4	28	60	
605	6M288	KONGW	1	2			4	2	2.3	31	62	
606	6M289	KONGW	1	2			4	2		9	31	
607	6M290	KONGW	1	2			5	2	5.3	68	46	
608	6M291	KONGW	1	2			4	1		8	25	
609	6M292	KONGW	1	2			4	1		9	26	
610	6M293	ALIGO	1	2			4	2	9.1	86	119	475
611	6M294	ALIGO	1	1	1		4	1	9.1	89	150	575
612	6M295	ALIGO	1	2			4	2	9.8	88	155	506
613	6M296	ALIGO	1	2			4	2	0.5	17	55	
614	6M297	ALIGO	1	2			4	2		18	36	
615	6M298	ALIGO	1	2			4	2	20.1	77	523	
616	6M299	ALIGO	1	2			4	2	5.8	67	145	501

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

DBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	YB	Y	ZN	ZR
617	6M300	ALIGO	1	2		3	4	2		15	20	
618	6M301	ALIGO	1	2		3	4	2		1	15	
619	6M302	ALIGO	1	2		3	4	2			146	
620	6M303	ALIGO	1	2		3	4	1		3	125	
621	6M304	ALIGO	1	2		3	4	2		17	21	
622	6M305	ALIGO	1	1	1		4	2	14.1	190	1029	
623	6M306	KADON	1	2		3	4	2	14.6	193	835	1772
624	6M307	KADON	1	2		3	5	2	22.1	120	164	3633
625	6M308	KADON	1	2		3	5	2		176	148	1091
626	6M309	KADON	1	2		3	5	2		180	195	2116
627	6M310	KADON	1	2		3	5	2	0.4	176	145	3526
628	6M311	KADON	1	2		3	5	2	32.9	186	159	6884
629	6M312	KADON	1	2		3	4	2	5.4	88	116	8
630	6M313	KADON	1	2		3	1	2		181	140	
631	6M314	KADON	1	2		3	1	2	0.6	184	172	
632	6M315	MLIND	1	2		3	3	2	2.2	38	22	
633	6M316	MLIND	1	3		3	1	2	2.5	40	25	
634	6M317	MLIND	1	2		3	3	2	2.8	42	28	
635	6M318	MLIND	1	3		3	3	2		2	6	
636	6M319	MLIND	1	3		3	3	2		2	4	
637	6M320	MLIND	1	2		3	3	1		16	151	126
638	6M321	MLIND	1	3		3	1	1		17	53	
639	6M322	MLIND	1	3		3	1	1	0.2	33	97	
640	6M323	MLIND	1	3		3	1	1	3.8	30	101	
641	6M324	MLIND	1	3		3	1	1	3.7	38	101	
642	6M325	MLIND	1	3		3	1	1	3.4	35	104	
643	6M326	MLIND	1	3		3	1	1	3.1	30	98	22
644	6M327	MLIND	1	3		3	1	1	3.3	37	103	10
645	6M328	MLIND	1	3		3	1	2	3.5	33	98	59
646	6M329	MLIND	1	3		3	1	2	3.7	38	170	107
647	6M330	MLIND	1	3		3	1	3	3.3	33	101	101
648	6M331	MLIND	1	3		3	1	1	3.0	38	135	123
649	6M332	MLIND	1	3		3	1	1	3.3	42	97	26
650	6M333	MLIND	1	3		3	1	2	3.4	36	115	14
651	6M334	MLIND	1	3		3	1	2		8	29	9
652	6M335	MLIND	1	3		3	1	2		11	104	
653	6Y001	TUNDU	1	1	2		1	2		79	270	
654	6Y002	TUNDU	1	1	2		1	2	3.9	45	310	
655	6Y003	TUNDU	1	1	2		1	2	2.4	68	239	
656	6Y004	TUNDU	1	1	1		1	2	2.7	68	239	
657	6Y005	TUNDU	1	1	2		1	2	15.3	101	665	
658	6Y006	TUNDU	1	1	2		1	2	2.2	35	261	
659	6Y007	TUNDU	1	1	1		1	2	1.4	42	719	
660	6Y008	TUNDU	1	1	2		1	2	5.3	76	498	
661	6Y009	TUNDU	1	1	2		1	2	6.2	29	274	
662	6Y010	TUNDU	1	1	2		1	1	4.9	85	309	
663	6Y011	TUNDU	1	1	2		1	2	2.8	73	208	
664	6Y012	TUNDU	1	1	2		1	2	4.0	72	158	
665	6Y013	TUNDU	1	1	2		1	2	7.3	110	546	
666	6Y014	TUNDU	1	1	2		1	2	13.2	200	200	
667	6Y015	TUNDU	1	1	2		1	2	22.1	280	323	
668	6Y016	TUNDU	1	1	2		1	2	27.4	263	369	
669	6Y017	TUNDU	1	1	2		1	1	2.9	82	117	
670	6Y018	TUNDU	1	1	2		1	1	4.2	62	1124	
671	6Y019	TUNDU	1	1	2		1	1	0.7	5	82	
672	6Y020	TUNDU	1	1	3		1	1	6.1	138	1886	
									1.3	38	128	

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

DBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	YB	Y	ZN	ZR
673	6Y021	TUNDU	1	1	2		1	2	6.9	85	464	.
674	6Y022	TUNDU	1	1	2		1	2	5.8	163	190	.
675	6Y023	TUNDU	1	1	2		1	2	7.4	104	20	.
676	6Y024	TUNDU	1	1	2		1	2	4.2	95	51	.
677	6Y025	TUNDU	1	1	2		1	1	3.6	91	25	.
678	6Y026	TUNDU	1	1	2		1	1	9.2	43	124	.
679	6Y027	TUNDU	1	1	2		1	1	8.7	118	85	.
680	6Y028	TUNDU	1	1	2		1	2	6.4	79	106	.
681	6Y029	TUNDU	1	1	2		1	2	6.3	267	168	.
682	6Y030	SONGW	1	1	2		2	2	5.9	211	375	.
683	6Y031	SONGW	1	1	2		4	2	22.3	374	1638	.
684	6Y032	SONGW	1	1	2		4	2	30.9	463	628	.
685	6Y033	SONGW	1	2	2		4	1	41.2	490	390	.
686	6Y034	SONGW	1	3	2		2	1	39.4	516	1485	.
687	6Y035	SONGW	1	1	2		2	2	20.1	333	586	.
688	6Y036	SONGW	1	1	2		2	2	33.0	411	141	.
689	6Y037	SONGW	1	1	1		2	2	31.0	213	241	.
690	6Y038	SONGW	1	1	1		2	2	16.2	376	94	.
691	6Y039	SONGW	1	2	4		4	2	39.4	637	385	4
692	6Y040	SONGW	1	1	1		4	2	29.3	400	314	.
693	6Y041	SONGW	1	1	1		4	2	30.4	439	215	.
694	6Y042	SONGW	1	1	1		4	2	45.9	395	230	.
695	6Y043	SONGW	1	1	1		4	2	31.0	475	546	.
696	6Y044	SONGW	1	1	1		4	2	33.2	401	385	.
697	6Y045	SONGW	1	1	2		4	2	38.4	403	288	.
698	6Y046	SONGW	1	2	2		4	2	19.7	179	266	.
699	6Y047	SONGW	1	1	2		2	2	31.8	288	516	.
700	6Y048	SONGW	1	1	2		2	2	15.9	183	371	.
701	6Y049	SONGW	1	1	2		2	2	43.2	517	276	.
702	6Y050	SONGW	1	1	2		4	2	21.4	306	255	.
703	6Y051	SONGW	1	1	2		4	2	26.4	352	579	.
704	6Y052	SONGW	1	1	2		4	2	28.9	362	406	.
705	6Y053	SONGW	1	3	2		4	2	39.1	413	209	.
706	6Y054	SONGW	1	1	2		4	2	53.0	561	233	.
707	6Y055	SONGW	1	1	2		4	2	71.8	501	314	.
708	6Y056	SONGW	1	1	2		4	2	28.7	504	396	.
709	6Y057	SONGW	1	1	2		4	2	35.6	304	324	.
710	6Y058	SONGW	1	3	2		4	2	19.4	303	523	.
711	6Y059	SONGW	1	1	2		4	2	21.0	333	236	.
712	6Y060	SONGW	1	1	2		4	2	43.1	796	204	.
713	6Y061	SONGW	1	1	2		1	2	52.4	882	319	.
714	6Y062	SONGW	1	1	2		1	2	43.3	696	177	.
715	6Y063	SONGW	1	1	2		1	2	71.9	763	213	.
716	6Y064	SONGW	1	1	2		1	1	30.2	480	215	.
717	6Y065	SONGW	1	1	2		1	1	55.1	653	330	.
718	6Y066	SONGW	1	1	2		1	1	30.0	401	942	.
719	6Y067	SONGW	1	1	2		1	1	29.1	450	826	.
720	6Y068	SONGW	1	1	2		1	1	33.4	515	2969	.
721	6Y069	SONGW	1	1	2		1	2	51.3	570	655	.
722	6Y070	SONGW	1	3	2		4	2	16.6	102	3011	.
723	6Y071	SONGW	1	1	2		1	1	41.7	598	989	.
724	6Y072	SONGW	1	1	2		1	1	30.9	409	1285	.
725	6Y073	SONGW	1	1	2		1	1	49.4	577	182	.
726	6Y074	SONGW	1	1	2		1	1	55.3	809	185	.
727	6Y075	SONGW	1	1	2		1	1	1112	199	50.5	.
728	6Y076	SONGW	1	1	2		1	2	45.3	890	324	.

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	DCC	LCN	YB	Y	ZN	ZR
729	6Y077	SONGW	1	1	2		1	2	56.1	765	391	
730	6Y078	SONGW	1	1	2		1	2	40.1	895	224	
731	6Y079	SONGW	1	1	2		1	2	60.5	884	89	
732	6Y080	NAMAN	1	2			5	2	6.3	60	316	
733	6Y081	NAMAN	1	2			5	2	3.0	36	184	
734	6Y082	NAMAN	1	2			5	1	4.2	51	188	
735	6Y083	NAMAN	1	2			5	1	8.1	53	176	
736	6Y084	NAMAN	1	2			5	1	7.6	41	516	
737	6Y085	NAMAN	1	2			5	3	10.2	36	478	
738	6Y086	NAMAN	1	3			5	1	0.4	8	65	
739	6Y087	NAMAN	1	2			5	1	5.1	65	154	
740	6Y088	NAMAN	1	2			5	1	4.3	63	46	
741	6Y089	NAMAN	1	2			5	1	3.9	41	122	
742	6Y090	NAMAN	1	2			5	1	15.2	43	168	
743	6Y091	NAMAN	1	2			5	1	2.6	22	279	55
744	6Y092	NAMAN	1	2	2		5	1	8.8	43	226	1
745	6Y093	NAMIN	1	3			3	1	6.2	19	68	1
746	6Y094	NAMIN	1	3			3	2	5.3	21	110	
747	6Y095	NAMIN	1	3			3	2	5.1	18	274	
748	6Y096	NAMIN	1	3			1	1		6	27	20
749	6Y097	NAMIN	1	3			1	1		134	14	
750	6Y098	NAMIN	2	3			1	1	2.1	5	44	2
751	6Y099	NAMIN	1	3			1	1	6.0	4	26	1
752	6Y100	NAMIN	1	3			1	1	5.4	10	165	3
753	6Y101	NAMIN	1	3			1	1	0.4	3	350	3
754	6Y102	NAMIN	1	3			1	1		2	416	
755	6Y103	NAMIN	1	3			1	1		4	40	1
756	6Y104	NAMIN	2	3			1	1		6	76	
757	6Y105	NAMIN	1	3			1	1		5	28	
758	6Y106	NAMIN	1	3			1	1	2.3	4	184	
759	6Y107	NAMIN	1	3			1	1		3	154	
760	6Y108	NAMIN	1	3			1	1		5	17	22
761	6Y109	NAMIN	1	3			1	1		2	76	
762	6Y110	NAMIN	1	3			1	1		1	55	
763	6Y111	NAMIN	1	3			1	1		2	86	
764	6Y112	NAMIN	1	3			1	1	0.7	2	236	
765	6Y113	NAMIN	1	3			1	1	3.4	3		
766	6Y114	NAMIN	1	3			3	2	10.4	115	180	
767	6Y115	TUNDU	1	1	2		1	2	8.3	110	111	
768	6Y116	TUNDU	1	1	2		1	2	6.1	91	83	
769	6Y117	TUNDU	1	1	2		1	1	6.7	90	210	
770	6Y118	TUNDU	1	1	2		1	1	6.4	89	24	
771	6Y119	TUNDU	1	1	2		1	2	6.1	91	42	
772	6Y120	TUNDU	1	1	2		1	2	6.0	93	546	
773	6Y121	TUNDU	1	1	2		2	2	6.8	90	684	
774	6Y122	TUNDU	1	1	2		2	2	7.2	88	75	
775	6Y123	TUNDU	1	1	2		2	2	5.4	95	178	
776	6Y124	TUNDU	1	1	2		2	2	0.6	30	123	
777	6Y125	TUNDU	1	1	2		2	2		59	273	
778	6Y126	TUNDU	1	1	2		2	2		54	255	
779	6Y127	TUNDU	1	1	2		2	2	8.1	107	33	
780	6Y128	TUNDU	1	1	2		2	2	6.9	95	86	
781	6Y129	TUNDU	1	1	2		2	2	5.4	85	224	
782	6Y130	TUNDU	1	1	2		2	2	7.8	75	309	
783	6Y131	TUNDU	1	1	2		2	2	8.4	107	59	
784	6Y132	TUNDU	1	1	2		2	2	6.0	93	31	

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	YB	Y	ZN	ZR
785	6Y133	TUNDU	1	1	2		2	1	5.4	85	431	
786	6Y134	TUNDU	1	1	2		2	2	4.3	95	860	
787	6Y135	TUNDU	1	1	2		2	1	3.2	107	282	
788	6Y136	TUNDU	1	1	2		4	2	2.1	23	452	113
789	6Y137	TUNDU	1	1	2		4	2	4.1	20	572	94
790	6Y138	TUNDU	1	1	2		2	2	5.8	76	54	2
791	6Y139	TUNDU	1	1	2		2	2	4.4	90	192	
792	6Y140	TUNDU	1	1	2		2	1	4.1	77	633	
793	6Y141	TUNDU	1	1	2		2	1	6.9	93	324	
794	6Y142	TUNDU	1	1	2		2	2	5.4	69	113	
795	6Y143	TUNDU	1	1	2		2	2	7.6	91	43	35
796	6Y144	TUNDU	1	1	2		2	1	7.4	107	53	
797	6Y145	TUNDU	1	1	2		2	2	6.2	111	130	
798	6Y146	CHILM	1	1	3		1	2	7.3	207	546	
799	6Y147	CHILM	1	1	3		1	1	5.9	185	2649	
800	6Y148	CHILM	1	1	3		1	1	8.1	222	258	
801	6Y149	CHILM	1	1	3		1	1	10.0	230	142	
802	6Y150	CHILM	1	1	3		1	1	8.0	247	293	
803	6Y151	CHILM	1	3	3		3	2	9.1	212	639	
804	6Y152	CHILM	1	1	2		1	2	19.3	253	723	2
805	6Y153	CHILM	1	1	2		1	2	15.4	243	215	
806	6Y154	CHILM	1	1	2		1	1	12.8	256	795	
807	6Y155	CHILM	1	1	2		1	1	13.9	236	437	2
808	6Y156	CHILM	1	1	2		1	1	10.2	217	551	
809	6Y157	CHILM	1	1	2		1	1	11.2	398	449	
810	6Y158	CHILM	1	1	2		1	1	16.6	436	211	
811	6Y159	CHILM	1	1	2		1	1	19.7	453	184	
812	6Y160	CHILM	1	1	2		1	1	33.9	391	343	
813	6Y161	CHILM	1	1	2		1	1	34.4	641	213	
814	6Y162	CHILM	1	1	2		1	1	41.0	513	270	
815	6Y163	CHILM	1	1	2		1	1	35.4	476	312	
816	6Y164	CHILM	1	1	2		1	1	34.6	630	110	
817	6Y165	CHILM	1	1	2		1	1	18.3	430	273	
818	6Y166	CHILM	1	1	2		1	1	11.2	315	138	
819	6Y167	CHILM	1	1	2		1	1	21.4	325	559	
820	6Y168	CHILM	1	1	2		1	1	30.8	350	264	
821	6Y169	CHILM	1	1	2		1	1	31.2	270	427	
822	6Y170	CHILM	1	1	2		1	1	8.4	215	354	
823	6Y171	CHILM	1	1	2		1	1	5.0	92	153	
824	6Y172	CHILM	1	1	2		1	1	11.4	163	331	
825	6Y173	CHILM	1	1	2		1	1	10.2	213	16	
826	6Y174	CHILM	1	1	2		1	1	8.2	167	180	
827	6Y175	CHILM	1	1	2		1	1	6.9	150	42	
828	6Y176	CHILM	1	1	2		1	1	8.8	135	1226	
829	6Y177	CHILM	1	1	2		1	1	6.4	250	714	
830	6Y178	CHILM	1	1	2		1	1	5.9	125	791	
831	6Y179	CHILM	1	1	2		1	1	9.1	156	1136	
832	6Y180	CHILM	1	1	2		1	1	11.6	186	1568	
833	6Y181	CHILM	1	1	2		1	1	13.1	231	565	
834	6Y182	CHILM	1	1	2		1	1	12.5	198	357	
835	6Y183	CHILM	1	1	2		1	1	13.4	421	421	
836	6Y184	CHILM	1	1	2		1	1	12.5	176	348	
837	6Y185	CHILM	1	1	2		1	1	12.3	204	311	202
838	6Y186	CHILM	1	1	2		1	1	7.5	137	335	
839	6Y187	CHILM	1	1	2		1	1	8.3	144	286	
840	6Y188	CHILM	1	1	2		1	1	8.4	154	371	213

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

DBS	NO	SECTOR	RS	RK	RK2	ALT	QCC	LCN	YB	Y	ZN	ZR
841	6Y189	CHILW	1	1	2		1	1	5.2	177	74	
842	6Y190	CHILW	1	1	2		1	1	6.1	87	158	
843	6Y191	CHILW	1	1	2		1	2	11.7	177	98	
844	6Y192	CHILW	1	1	2		1	2	6.0	93	195	
845	6Y193	CHILW	1	1	2		1	2	3.9	110	67	
846	6Y194	CHILW	1	1	2		1	1	5.0	75	61	
847	6Y195	CHILW	1	1	2		1	1	4.5	110	135	224
848	6Y196	CHILW	1	1	2		1	1	3.7	96	75	
849	6Y197	CHIKA	1	2			3	1		21	113	126
850	6Y198	CHIKA	1	3			1	1		28	220	231
851	6Y199	MONGO	1	2			4	2		5	62	
852	6Y200	MONGO	1	2			4	2		38	153	
853	6Y201	KANGA	1	1	3		1	1		16	389	
854	6Y202	KANGA	1	1	3		1	1		19	2860	
855	6Y203	KANGA	1	1	3		1	1		17	3096	
856	6Y204	KANGA	1	1	3		1	1		11	2351	
857	6Y205	KANGA	1	1	3		1	1		23	2713	
858	6Y206	KANGA	1	1	3		1	1		28	1948	182
859	6Y207	KANGA	1	1	3		1	1		16	2151	
860	6Y208	KANGA	1	1	3		1	1		35	2505	
861	6Y209	KANGA	1	1	3		1	1		24	2355	
862	6Y210	KANGA	1	1	3		1	1		16	2151	
863	6Y211	KANGA	1	1	3		1	1		19	2940	
864	6Y212	KANGA	1	1	3		1	1		23	3021	
865	6Y213	KANGA	1	1	3		1	1		26	3150	
866	6Y214	KANGA	1	1	3		1	1		25	3048	
867	6Y215	KANGA	1	1	3		1	1		29	2803	
868	6Y216	KANGA	1	1	3		1	1		23	2635	
869	6Y217	KANGA	1	1	3		1	1		22	2921	143
870	6Y218	KANGA	1	1	3		1	1		17	2215	
871	6Y219	KANGA	1	1	3		1	1		21	2007	
872	6Y220	KANGA	1	1	3		1	1		14	1235	174
873	6Y221	KANGA	1	1	3		1	1		18	1986	
874	6Y222	KANGA	1	1	3		1	1		16	1141	
875	6Y223	KANGA	1	1	3		1	1		30	1260	
876	6Y224	KANGA	1	1	3		1	1		25	1121	
877	6Y225	KANGA	1	1	3		1	1		29	1343	
878	6Y226	KANGA	1	1	3		1	1		13	1064	
879	6Y227	KANGA	1	1	3		1	1		42	1820	121
880	6Y228	KANGA	1	1	3		1	1		35	2701	
881	6Y229	KANGA	1	1	3		1	1		30	2513	
882	6Y230	KANGA	1	1	3		1	1		31	1725	
883	6Y231	KANGA	1	1	3		1	1		58	2720	
884	6Y232	KANGA	1	1	3		1	1		45	1957	
885	6Y233	KANGA	1	1	3		1	1		50	2792	202
886	6Y234	KANGA	1	1	3		1	1	5.2	40	1447	
887	6Y235	KANGA	1	1	3		1	1	2.8	51	3029	
888	6Y236	KANGA	1	1	3		1	1		56	1550	
889	6Y237	KANGA	1	1	3		1	1		45	2507	
890	6Y238	KANGA	1	1	3		1	1		39	2095	169
891	6Y239	KANGA	1	1	3		1	1		51	1863	
892	6Y240	KANGA	1	1	3		1	1		53	2511	221
893	6Y241	KANGA	1	1	3		1	1		46	2602	
894	6Y242	KANGA	1	1	3		1	1		37	3023	
895	6Y243	KANGA	1	1	3		1	1		46	4056	
896	6Y244	KANGA	1	1	3		1	1		38	4151	

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	YB	Y	ZN	ZR
897	6Y245	KANGA	1	1	3		1	1		54	3120	.
898	6Y246	KANGA	1	1	3		1	1	2.3	65	5646	104
899	6Y247	KANGA	1	1	3		1	1		78	6473	95
900	6Y248	KANGA	1	1	3		1	1		42	656	.
901	6Y249	KANGA	1	1	3		1	1		29	3310	.
902	6Y250	KANGA	1	1	3		1	1		35	3375	.
903	6Y251	KANGA	1	1	3		1	1		36	6261	.
904	6Y252	KANGA	1	1	3		1	1	3.5	34	2217	.
905	6Y253	KANGA	1	1	3		1	1	1.4	72	4429	99
906	6Y254	KANGA	1	1	3		1	1	1.2	49	2951	.
907	6Y255	KANGA	1	1	3		1	1	2.1	65	2567	4
908	6Y256	KANGA	1	1	3		1	1	1.8	53	548	2
909	6Y257	KANGA	1	1	3		1	1	1.5	75	937	8
910	6Y258	KANGA	1	1	3		1	1	3.5	61	381	5
911	6Y259	KANGA	1	1	3		1	1	3.0	69	247	9
912	6Y260	KANGA	1	1	3		1	1	2.1	84	340	2
913	6Y261	KANGA	1	1	3		1	1	4.2	118	173	25
914	6Y262	KANGA	1	1	3		1	1	4.3	74	251	15
915	6Y263	KANGA	1	1	3		1	1	3.6	93	779	12
916	6Y264	KANGA	1	1	3		1	1	4.0	83	815	21
917	6Y265	KANGA	1	1	3		1	1	1.9	88	220	27
918	6Y266	KANGA	1	1	3		1	1	2.7	75	863	8
919	6Y267	KANGA	1	1	3		1	1	0.5	78	1891	6
920	6Y268	KANGA	1	1	3		1	1	1.5	44	1803	.
921	6Y269	KANGA	1	1	3		1	1	2.1	55	2111	.
922	6Y270	KANGA	1	1	3		1	1	0.2	49	2556	.
923	6Y271	KANGA	1	1	3		1	1		38	2747	.
924	6Y272	KANGA	1	1	3		1	1		34	1530	5
925	6Y273	KANGA	1	1	3		1	1	0.9	27	1921	.
926	6Y274	KANGA	1	1	3		1	1		37	1795	.
927	6Y275	KANGA	1	1	3		1	1	1.8	45	2190	.
928	6Y276	KANGA	1	1	3		1	1	4.9	107	1652	.
929	6Y277	KANGA	1	1	3		1	1	1.5	60	1253	8
930	6Y278	KANGA	1	1	3		1	1	3.3	44	2007	10
931	6Y279	KANGA	1	1	3		1	1	2.5	62	961	21
932	6Y280	KANGA	1	1	3		1	1	4.1	51	1158	9
933	6Y281	KANGA	1	1	3		1	1	4.3	83	1075	22
934	6Y282	KANGA	1	1	3		1	1	3.1	63	1372	15
935	6Y283	KANGA	1	1	3		1	1	1.4	73	641	21
936	6Y284	KANGA	1	1	3		1	1	2.3	68	770	11
937	6Y285	KANGA	1	1	3		1	1	2.4	55	1499	6
938	6Y286	KANGA	1	1	3		1	1	1.6	55	767	2
939	6Y287	KANGA	1	1	3		1	1	0.6	48	1163	1
940	6Y288	KANGA	1	1	3		1	1	1.5	55	1852	.
941	6Y289	KANGA	1	1	3		1	1	0.4	48	1361	.
942	6Y290	KANGA	1	1	3		1	1	0.3	31	1775	.
943	6Y291	KANGA	1	1	3		1	1		14	1600	.
944	6Y292	KANGA	1	1	3		1	2	0.8	20	2132	213
945	6Y293	KANGA	1	1	3		1	1	0.4	23	1995	.
946	6Y294	KANGA	1	1	3		1	1	0.8	9	2151	182
947	6Y295	KANGA	1	1	3		1	1	0.2	12	2637	.
948	6Y296	KANGA	1	1	3		1	1		16	1864	.
949	6Y297	KANGA	1	1	3		1	1		6	1721	.
950	6Y298	KANGA	1	1	3		1	1		11	1917	.
951	6Y299	KANGA	1	1	3		1	1	0.3	18	1775	.
952	6Y300	KANGA	1	1	3		1	1		8	1433	4