

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	PE	LA	PB	LI	LU	MG
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	39.4	901	0.4	0.27			4.32	1422	422	3		8.39
171	6H171	CHILW	1	1			1	1	4.1	8	49	35.4	2274	1.4				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			6.80	1238	401			7.92
173	6H173	CHILW	1	1			1	1	5.2	11	32	27.3	869	4.6	0.46			4.35	1511	325	6		5.89
174	6H174	CHILW	1	1			1	1	4.2	9	35	32.9	2274	1.9	0.57			8.99	1572	292	5		3.80
175	6H175	CHILW	1	1			1	1	24.6	24	55	45.8	11242	10.0	1.11	3		3.45	2060	182	13		8.34
176	6H176	CHILW	1	1	3		1	2	2.6	9	28	36.0	722	1.0				2.42	798	143	8		0.54
177	6H177	CHILW	1	1	3		1	2	4.3	13	22	20.9	1815	1.2	0.35			3.59	615	149	1		0.29
178	6H178	CHILW	1	1	3		1	1	0.8	6	18	25.4	1159	2.7				3.60	318	58	1		0.10
179	6H179	CHILW	1	1	3		1	1	0.5	7	18	7.3	5400	1.3				4.59	1090	130	1		0.21
180	6H180	CHILW	1	1	3		1	1	1.8	7	24	18.5	657	0.7	0.10			3.16	979	145	2	3	0.57
181	6H181	CHILW	1	1	3		1	1	1.2	11	7	7.2	776	1.7	0.17			4.44	692	100	1		0.48
182	6H182	CHILW	1	1	3		1	1	2.0	16	1	7.6	785	5.2	0.29			3.93	534	158	2	2	0.20
183	6H183	CHILW	1	1	3		1	1	0.6	11		6.1	946	3.8	0.18			3.12	823	59	1	1	0.20
184	6H184	CHILW	1	1	3		1	2	3.1	15		9.3	698	2.0	0.14			2.93	456	60	1		0.15
185	6H185	CHILW	1	1	3		1	2	2.2	15		16.2	1512	5.3	0.42			3.83	401	95	7		0.19
186	6H186	CHILW	1	1	3		1	1	1.6	17		15.0	1690	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	1		1.76	620	73			0.30
188	6H188	CHILW	1	1	3		1	1	0.7	11		8.3	578	3.2	0.15			4.18	890	9	1		0.24
189	6H189	CHILW	1	1	3		1	1	2.4	13		7.4	701	4.0	0.12			10.46	96	49	8		0.65
190	6H190	CHILW	1	2			4	1	1.4	11		10.9	694	2.4	0.21			2.66	102	30			0.22
191	6H191	CHILW	1	2			4	1	2.1	12		9.3	630	3.9	0.09			1.66	187	37	1		0.20
192	6H192	CHILW	1	2			4	1	0.9	18		3.6	1455	2.8	0.41			2.48	226	62	1		0.25
193	6H193	CHILW	1	1	3		1	1	2.5	12		7.0	633	2.0	0.18			4.32	291	95			0.08
194	6H194	CHILW	1	1	3		1	1	2.8	13	2	8.4	674	3.2	0.24			6.71	283	118			0.10
195	6H195	CHILW	1	1	3		1	1	3.4	12	5	9.5	680	1.3	0.13			1.50	84	20	12	2	0.12
196	6H196	CHILW	1	2			1	1	6.5	17	15	4.3	1430	1.0	0.84			2.87	79	50	13		0.09
197	6H197	CHILW	1	2			1	1	4.4	18	11	5.2	1375	2.9	0.80			3.04	88	37	15		0.11
198	6H198	CHILW	1	2			1	2	3.8	16	20	8.8	2326	7.9	0.67			1.99	512	63	13	6	0.16
199	6H199	CHIKA	1	2			4	2	4.1	39	2	2.1	199	5.6	0.63			2.57	84	20	12	2	0.22
200	6H200	CHIKA	1	2			4	1	3.3	41		0.6	220	9.3	0.74			2.87	38	65	12	2	0.22
201	6H201	CHIKA	1	2			4	2	5.9	42		1.3	173	6.2	0.86			3.04	88	37	15		0.11
202	6H202	CHIKA	1	2			4	2	1.4	37		1.2	186	8.3	0.76			3.11	74	76	15		0.13
203	6H203	CHIKA	1	2			4	1	2.1	40	1	1.8	223	5.2	0.80			2.53	31	52	11		0.18
204	6H204	CHIKA	1	2			4	2	2.2	37		0.3	150	4.3	0.85			1.89	67	18	13	1	0.23
205	6H205	CHIKA	1	2			4	2	1.3	34		0.8	173	7.8	0.52			2.62	71	28	14		0.19
206	6H206	CHIKA	1	2			4	1	1.5	37		1.6	153	6.5	0.64			1.92	11	44	17		0.21
207	6H207	CHIKA	1	2			4	2	1.1	27		0.8	133	5.0	0.83			1.04	15	51	15		0.25
208	6H208	CHIKA	1	2			4	2	2.9	30	2	0.4	155	9.2	1.04			0.97	8	15	9		0.27
209	6H209	CHIKA	1	2			4	1	0.9	16			104	4.2	0.92			2.08	4	72	18		0.20
210	6H210	CHIKA	1	2			4	2	3.1	18			136	6.9	0.73	1		3.39	128	27	19	1	0.32
211	6H211	CHIKA	1	2			4	2	4.5	12			209	8.2	1.27			0.53	93	41	16		0.23
212	6H212	CHIKA	1	2			4	1	3.2	10	2	0.4	178	4.1	1.19			0.83	45	66	3		0.04
213	6H213	CHIKA	1	2			4	2	2.7	10			150	7.2	0.51			4.76	23	21	13	2	0.02
214	6H214	CHIKA	1	2			4	2	8.0	8			140	5.2	0.83			5.13	56	84	6	1	0.05
215	6H215	CHIKA	1	2			4	1	4.1	8			140	7.6	0.68			3.64	32	50	9		0.10
216	6H216	MONGO	1	2			4	2	1.9	14			86	8.4	0.86			4.54	44	94	10		0.12
217	6H217	MONGO	1	2			4	2	2.3	15			140	9.7	0.71			1.51	35	18	7		0.06
218	6H218	MONGO	1	2			4	2	1.7	16		0.8	1105	11.0	0.79			3.39	50	74	17		0.19
219	6H219	MONGO	1	2			4	1	1.5	15			1105	7.2	0.62			4.04	44	80	17		0.11
220	6H220	MONGO	1	2			4	1	2.1	15			1230	13.1	0.73			3.69	36	106	14		0.20
221	6H221	MONGO	1	2			4	2	3.4	16	5		1135	11.4	0.68			4.04	44	80	17		0.11
222	6H222	MONGO	1	2			4	1	0.7	10			727	9.6	0.49			3.69	36	106	14		0.20
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	625	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		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		0.2
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	33.8	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	4	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	4	4.5	28			116	5.7	0.88			1.51	14	48	3	1	0.02
242	6H242	ACHIR	1	2			4	1	1.8	10		1.3	90	2.7	0.97			0.75	26	35	4	1	0.12
243	6H243	ACHIR	1	2			4	2	0.7	11		4.2	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	0.88			0.58	11	50	2		0.04
246	6H246	ACHIR	1	2			4	2	1.1	9	3	0.6	102	7.5	0.76			0.41	2	84	3	3	0.08
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	4		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			196	6.7	0.89			1.22	7	75			0.08
253	6H253	ACHIR	1	2			4	1	0.9	9		0.5	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	0.82	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	6		0.07
256	6H256	ACHIR	1	2			4	1		19		1.7	174	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	0.07
258	6H258	ACHIR	1	2			4	2	0.6	23		0.5	158	4.7	0.59			0.53	7	55	4		0.10
259	6H259	ACHIR	1	2			4	1	4.2	18			155	6.7	0.64			1.29	3	89	4		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	3.6	25		1.2	170	3.0	0.67			8.85	10	31	1	4	0.07
262	6H262	ACHIR	1	2			4	1	2.2	22		0.8	164	6.2	0.87			0.50	11	58	2		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	2.5	25		2.3	80	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		3.2	774	9.4	1.18			9.28	64	58	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			11.00	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		0.38
271	6H271	KONGW	1	2			4	1	24.6	32		6.8	2099	5.5	2.31			8.26	122	18	11		0.67
272	6H272	KONGW	1	2			4	1	26.5	33		5.3	903	3.1	1.50			9.08	44	53	9		0.61
273	6H273	KONGW	1	2			4	1	12.4	30		5.3	1240	4.0	1.86			8.31	95	36	12		0.57
274	6H274	KONGW	1	2			4	1	23.7	31		3.1	1257	7.6	1.86			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					0.15

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OBS	NO.	SECTOR	RS	RK	RK2	ALT	DCC	LCN	CD	CU	DY	EU	F	GA	SE	AU	HF	FE	LA	PB	LI	LU	MG	
281	6H281	CHILWA	1	3		1	1	1	0.7	12			3	2.4	1.43			0.60	9	64	7		0.06	
282	6H282	CHILWA	1	3		1	1	1	0.9	13		1.0	82	6.4	1.26			0.85	21	92	6		0.07	
283	6H283	CHILWA	1	3		4	1	1	1.1	12		0.2	31	8.0	1.40	2		0.44	25	82	7		0.08	
284	6H284	CHILWA	1	3		1	1	1	1.4	14		0.5	134	4.7	1.34			0.59	8	46	8		0.05	
285	6H285	CHILWA	1	3		1	1	1	0.8	15		2.3	25	7.1	1.19			0.42	3	113	3		0.03	
286	6H286	CHILWA	1	3		3	1	1	12.6	448		0.6	752	10.6	0.90	6		16.75	24	26	4	6	0.02	
287	6H287	CHILWA	1	3		1	1	1	0.7	24		0.2	48	8.1	0.86			3.57	4	12			7.18	
288	6H288	CHILWA	1	3		1	1	1	4.8	10		0.6	25	6.2	1.37			0.72	5	68	6		0.04	
289	6H289	CHILWA	1	3		1	1	1	0.3	8			25	3.6	1.39			0.77	2	53	9		0.01	
290	6H290	CHILWA	1	3		1	1	1	0.3	8			6	3.0	0.76			0.36	8	31	6	3	0.02	
291	6H291	KAWAN	1	2		4	1	1	2.5	21			33	5.9	0.81			0.84	12	18	1		0.01	
292	6H292	KAWAN	1	2		4	2	2	3.3	31		1.2	17	7.4	0.66			0.34	11	35	4		0.02	
293	6H293	KAWAN	1	2		4	2	2	4.1	20		0.3	34	3.0	0.57			4.50	4	67	6	3	0.04	
294	6H294	KAWAN	1	3		1	1	1	0.9	18		0.3	28	4.1	0.70			0.24	3	174	7		0.02	
295	6H295	KAWAN	1	3		1	1	1	1.2	15		2.0	183	2.2	0.66			0.16	13	144	7		0.02	
296	6H296	KAWAN	1	2		4	2	2	1.2	15		1.4	56	4.8	0.83			0.60	27	44	2	1	0.01	
297	6H297	LIPER	1	2		4	2	2	2.8	14		0.4	141	6.1	0.70			1.38	9	66	3		0.02	
298	6H298	LIPER	1	2		4	1	1	2.1	16		0.4	59	2.5	0.66			0.55	8	44	2		0.04	
299	6H299	LIPER	1	2		4	2	2	1.9	15		2.0	59	4.9	0.66			0.83	17	53	2		0.03	
300	6H300	LIPER	1	2		4	2	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	1	5.5	14		1.6	16	3.8	1.19			0.87	8	13	2	1	0.02	
302	6H302	LIPER	1	2		4	1	1	2.4	15		1.2	54	7.0	1.12			5.18	16	77	8		0.05	
303	6H303	LIPER	1	2		4	1	1	12.3	15		0.7	158	3.5	1.23			5.42	32	48	1		0.05	
304	6H304	NSENG	1	2		5	1	1	4.2	14			225	3.0	2.08			8.76	51	17	6		0.07	
305	6H305	NSENG	1	2		5	1	1	7.9	13			270	6.0	2.58			3.44	97	19	2		0.07	
306	6H306	NSENG	1	2		5	1	1	12.7	74			357	6.0	2.58			3.97	104	13	4	3	0.10	
307	6H307	NSENG	1	2		5	1	1	11.8	19		1.3	270	7.3	1.69	2		4.11	79	69	20	5	0.06	
308	6H308	NSENG	1	2		5	1	1	4.5	32		1.5	648	5.9	1.28			4.96	102	35	6		0.08	
309	6H309	NSENG	1	2		5	1	1	2.1	34		1.5	733	4.5	1.55			4.87	84	26	4		0.19	
310	6H310	NSENG	1	3		1	1	1	2.9	14		1.8	85	5.7	1.24			0.22	27	31	4		0.05	
311	6H311	NSENG	1	3		1	1	1	2.1	25		2.0	35	4.2	0.37			3.32	31	63	4		1.15	
312	6H312	NSENG	1	1		1	1	1	2.4	14			25	0.7	0.26			9.34	34	48	3		9.56	
313	6H313	NSENG	1	3		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	1.5	20			84	1.6	10.04			0.49	2	1085	166	2		0.04
315	6H315	NSENG	1	1		1	1	1	3.7	22		3.3	620	4.1	1.56	3		7.00	26	50	5		0.21	
316	6H316	NSENG	1	3		1	1	1	2.9	13			95	1.6	1.77			0.36	7	54	9		0.10	
317	6H317	NSENG	1	3		1	1	1	4.2	34			491	3.2	1.72			3.71	8	53	14	3	0.24	
318	6M001	TUNDU	1	1		1	1	1	4.0	9	49	36.5	6285	1.4				9.07	17815	91	10	5	0.18	
319	6M002	TUNDU	1	1		1	1	1	4.3	12	35	60.3	2585	0.4		1		3.08	3834	69	3	3	0.10	
320	6M003	TUNDU	1	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	1	4.6	11	13	36.4	3954	0.2				2.96	3386	87	3	2	0.07	
322	6M005	TUNDU	1	1		1	1	1	4.2	8	120	52.0	7511	1.0	0.17			6.90	1843	65	5	3	0.35	
323	6M006	TUNDU	1	1		1	1	1	3.7	25	44	36.9	3647	4.4	0.39			5.60	2724	72	7	4	0.17	
324	6M007	TUNDU	1	1		1	1	1	5.5	27	38	35.8	13569	0.6	0.26			5.79	2512	58	6	2	0.20	
325	6M008	TUNDU	1	1		1	1	1	4.4	16	16	37.1	2391	0.6	0.37			9.30	2923	70	3		0.48	
326	6M009	TUNDU	1	1		1	1	1	37.9	43	3	22.7	805	1.2	0.19			9.12	2398	55	3		0.40	
327	6M010	TUNDU	1	1		1	1	1	3.5	11	18	18.5	5637	1.2	0.22			33.78	2576	65	3	2	0.52	
328	6M011	TUNDU	1	1		1	1	1	3.5	11	18	18.5	5637	1.2	0.22			9.32	3161	111	4	2	0.41	
329	6M012	TUNDU	1	1		1	1	1	9.0	13	1	13.7	1642	0.6	0.43			13.30	2756	132			0.39	
330	6M013	TUNDU	1	1		1	1	1	3.1	18	13	15.2	6409	0.9	0.44			8.59	2341	77	5		0.52	
331	6M014	TUNDU	1	1		1	1	1	14.4	6	1	8.9	5913	3.6	0.25			7.95	1192	57	2		0.41	
332	6M015	TUNDU	1	1		1	1	1	17.5	4	1	9.4	2480	2.6	0.37			46.27	1203	23	2	2	0.09	
333	6M016	TUNDU	1	1		1	1	1	4.2	14	4	6.5	1518	4.4	0.36			4.43	836	16	5	1	0.32	
334	6M017	TUNDU	1	1		1	1	1	8.1	7	6	15.6	2980	3.3	0.41			5.89	1102	9	22		0.18	
335	6M018	TUNDU	1	1		1	1	1	7.5	13	2	14.0	1469	3.1	0.58			4.15	1501	32	4		0.36	
336	6M019	TUNDU	1	1		1	1	1	7.3	17	2	70.5	2868	8.9	0.81			4.25	1207	18	2		0.10	

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	CD	CU	DY	EU	F	GA	GE	AU	HF	FE	LA	PB	LI	LU	MG
337	6M020	TUNDU	1	1	1	5	1	2	11.7	5		65.1	2326	10.2	0.22			7.59	2218	64	3	2	1.12
338	6M021	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	6M022	MATOP	1	1	2	3	2	1	6.1	21		65.3	2600	1.1	0.22			3.46	894	78	4	1	0.30
340	6M023	MATOP	1	1	2	2	2	2	7.3	18		37.8	527	2.0	0.43			2.92	822	74	3		0.27
341	6M024	MATOP	1	1	2	2	2	1	1.6	4	28	17.5	2671	1.4	1.36			4.41	630	63			0.12
342	6M025	MATOP	1	1	2	2	2	1	2.5	3	23	15.0	3304	1.1	1.64			3.54	683	79			0.21
343	6M026	MATOP	1	2	2	2	2	1	3.2	6	55	22.4	7056	1.9	0.92			6.92	773	92	3		0.28
344	6M027	MATOP	1	1	2	2	2	1	7.4	7	72	21.9	1135	2.0	0.21			6.32	695	86	4		0.25
345	6M028	MATOP	1	1	2	2	2	1	3.9	15	5	25.6	2511	2.0	0.31			7.09	841	77	1		0.42
346	6M029	MATOP	1	1	2	2	2	2	6.6	4	21	23.1	3240	2.8	0.47			10.98	722	32	2	1	0.57
347	6M030	MATOP	1	1	2	2	2	2	1.6	12	8	19.4	2390	1.7	0.11			4.59	593	29	1		0.59
348	6M031	MATOP	1	1	2	2	2	1	3.2	5	36	22.3	3004	1.4	0.22			9.92	664	53	3		0.11
349	6M032	MATOP	1	1	2	2	2	2	1.7	13	3	25.5	973	0.8	0.17			4.96	953	85	4		0.12
350	6M033	MATOP	1	1	2	2	2	1	0.9	4	39	37.8	1021	0.5				5.47	1006	86	4		0.25
351	6M034	MATOP	1	1	2	2	2	1	1.3	7	2	46.6	805	1.5				6.25	850	43	4		0.29
352	6M035	SONGW	1	1	2	3	1	2	0.9	4	36	42.3	1190	0.7				2.19	1480	95	4		0.32
353	6M036	SONGW	1	1	2	3	1	1	1.2	3	26	33.7	938	0.4		2		4.16	1311	65	3		0.31
354	6M037	SONGW	1	1	2	3	1	2	1.0	2	55	29.5	1464	0.6				2.15	1342	79	4		0.20
355	6M038	SONGW	1	1	2	3	1	1	1.3	14	14	35.0	2556	1.9		1		7.33	2034	68	1		0.53
356	6M039	SONGW	1	1	2	2	1	1	1.4	13	6	45.4	1280	0.8				4.53	2421	118	4	1	0.47
357	6M040	SONGW	1	1	2	2	1	2	1.2	3	53	78.4	1028	0.6				1.44	3024	181	4		0.12
358	6M041	SONGW	1	1	2	2	1	2	0.6	11	209	133.9	7098	0.7	0.35			5.96	6005	217	4	2	0.13
359	6M042	SONGW	1	1	2	2	1	1	0.9	13	71	66.8	6511	1.5	0.17			6.26	4312	206	4		0.22
360	6M043	SONGW	1	1	2	2	1	2	1.2	7	87	128.3	8030	3.7	0.29			6.22	4321	178	6	1	0.24
361	6M044	SONGW	1	1	2	2	4	2	1.7	4	81	98.2	1107	2.3	0.13			5.76	4217	203	3		0.17
362	6M045	SONGW	1	1	2	3	4	1	0.6	9	62	80.6	1305	1.6	0.20			3.42	3193	170	3	2	0.19
363	6M046	SONGW	1	1	2	3	4	2	0.5	11	59	68.7	2400	3.7	0.39			13.45	3724	141	2	2	0.15
364	6M047	SONGW	1	1	2	2	4	2	0.4	5	41	72.5	1860	1.0	0.21			7.68	2881	105	3		0.22
365	6M048	SONGW	1	1	2	2	4	1	0.7	7	66	54.5	1051	1.1	0.50			4.59	3022	86	3		0.28
366	6M049	SONGW	1	1	2	2	4	2	0.6	6	75	50.5	1943	1.0	0.28			3.37	2011	68	1		0.10
367	6M050	SONGW	1	1	2	2	4	2	0.9	3	53	47.2	1550	1.5	0.21			5.95	2837	85	4		0.20
368	6M051	SONGW	1	1	2	2	3	4	1.5	4	74	47.7	2293	2.4	0.22			6.77	1282	101	4		0.12
369	6M052	SONGW	1	1	2	2	3	4	2.6	5	111	66.1	17211	1.8	0.70			8.20	2456	153	3	3	0.21
370	6M053	SONGW	1	1	2	2	4	2	3.3	9	69	44.9	1404	1.9	0.23			6.66	1811	136	3		0.25
371	6M054	SONGW	1	1	4	3	4	1	3.1	4	94	58.5	3505	1.5	0.19			50.11	1922	142	4	1	0.32
372	6M055	SONGW	1	1	2	3	4	2	2.9	7	73	41.2	5301	2.7	0.21			7.07	1932	131	2		0.20
373	6M056	SONGW	1	1	2	3	4	2	3.6	6	78	44.8	2204	1.4	0.04			3.09	1162	105	3		0.13
374	6M057	SONGW	1	1	2	2	4	2	3.3	3	40	52.0	5464	3.2	0.04			12.48	6907	289	5	1	0.27
375	6M058	SONGW	1	1	2	2	4	2	2.0	7	31	27.1	4465	1.6	0.23	46		9.18	5971	185	4		0.15
376	6M059	SONGW	1	2	2	2	4	2	1.7	3	16	29.6	3135	6.0	0.86			44.60	3711	196	5	1	0.17
377	6M060	SONGW	1	1	2	2	4	2	3.7	9	21	18.7	2600	15.1	0.88			37.48	932	100	5	3	0.32
378	6M061	SONGW	1	1	2	2	3	4	2.7	14	13	34.2	841	7.8	1.85			5.22	903	68	23		1.15
379	6M062	SONGW	1	2	2	2	4	2	9.6	10	11	34.2	1479	5.9	1.19	3		8.88	1211	131	1		1.23
380	6M063	SONGW	1	1	2	2	4	1	4.3	17	14	48.0	710	2.0	0.31			4.26	3388	178	3		0.18
381	6M064	SONGW	1	2	2	2	4	2	3.0	11	17	38.8	1050	2.8	0.69	1		9.46	3792	172	2	2	4.20
382	6M065	SONGW	1	2	2	2	4	2	4.9	6	27	80.4	19440	2.0	0.45			29.49	6746	1081	1	4	2.23
383	6M066	SONGW	1	1	2	2	4	1	3.7	11	108	132.9	3823	2.9	0.35			13.59	3650	268	2	5	0.30
384	6M067	SONGW	1	1	2	2	4	2	2.6	16	23	79.7	1010	0.9	0.62			7.24	3521	101	11		0.27
385	6M068	SONGW	1	1	2	2	4	2	2.3	7	94	46.5	1968	0.8	0.35			3.72	1256	126	4	2	0.21
386	6M069	SONGW	1	1	2	2	4	1	4.0	11	85	57.2	1520	1.3	0.22			6.69	1842	158	2		0.30
387	6M070	SONGW	1	1	2	2	4	2	3.0	10	74	53.6	1210	0.6	0.59			9.27	1511	92	4	2	0.29
388	6M071	SONGW	1	1	2	2	4	2	6.6	13	66	70.4	2650	1.9	0.62			3.82	2009	122	5		0.26
389	6M072	SONGW	1	1	2	2	4	1	4.1	6	73	49.8	1050	1.1	0.67			5.86	1901	146			0.29
390	6M073	SONGW	1	2	2	2	4	1	4.4	20	64	36.7	3140	1.3	0.88	2		24.60	1591	121			0.39
391	6M074	NAMAN	1	2	2	2	5	2	6.2	15	42	39.0	2330	6.5	0.75			1.99	1922	179	5	2	1.05
392	6M075	NAMAN	1	2	2	2	5	2	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	OCC	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			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			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			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			5	1	4.7	11	33		720	6.4	1.92			2.57	473	80	11		2.05
398	6M081	NAMAN	1	2			5	1	5.1	18	2		820	7.8	1.67			6.91	223	157	16		1.28
399	6M082	NAMAN	1	2			5	1	5.6	20	3		630	9.0	1.31	2		5.70	212	181	60		2.54
400	6M083	NAMAN	1	2			5	2	7.2	29	1	2.2	3688	11.2	1.10			6.56	256	42	73	2	2.39
401	6M084	NAMAN	1	2		5	5	2	4.8	14	1		3170	10.6	0.92			5.84	521	33	50		2.55
402	6M085	NAMAN	1	2			5	2	3.2	23	1	2.4	2330	8.4	1.30			7.42	336	87	60		3.76
403	6M086	NAMAN	1	2			5	2	2.9	25	2	4.5	1810	3.4	1.22			3.74	281	81	21		5.32
404	6M087	NAMAN	1	2			5	2	2.6	19	2	2.3	1050	4.6	1.01	1		5.99	279	116	82		2.11
405	6M088	NAMAN	1	2			5	2	2.5	18		6.6	1530	5.2	1.56			5.71	382	93	55		3.30
406	6M089	NAMAN	1	2			5	1	2.7	21		4.5	1211	4.0	1.44			4.97	301	172	90		4.61
407	6M090	NAMAN	1	2			5	1	2.2	8		9.0	1775	6.8	1.89			6.36	452	259	60		4.57
408	6M091	NAMAN	1	2			5	2	2.6	9		5.1	1362	4.9	1.01			3.50	383	195	19		1.50
409	6M092	NAMAN	1	2			5	2	3.0	15	1	8.2	1534	6.5	1.59			5.37	421	162	80		0.09
410	6M093	NAMAN	1	2			5	2	2.4	13		11.6	144	7.4	1.27			6.04	543	249	49		0.53
411	6M094	NAMAN	1	2			5	1	3.1	19		15.0	1693	4.8	1.51			2.75	482	148	70		0.92
412	6M095	NAMAN	1	2			5	1	3.2	19		6.5	2554	6.0	0.67			5.52	521	170	60		1.09
413	6M096	NAMAN	1	2			5	2	2.4	11	2	8.7	1682	5.6	0.89			3.82	652	98	45		0.15
414	6M097	TUNDU	1	2			4	2	3.3	3	23	11.1	1472	7.0	0.70			3.80	992	83	13	1	7.20
415	6M098	TUNDU	1	2			4	2	2.0	1	28	9.3	1031	5.1	0.92			3.31	1289	125	3		8.05
416	6M099	TUNDU	1	2			4	2	4.2	8	52	13.9	2560	5.5	1.01			3.24	921	73	8		7.09
417	6M100	TUNDU	1	2			4	2	3.0	6	46	9.3	2480	2.4	0.83	1		4.17	1203	84	4		6.18
418	6M101	TUNDU	1	2			4	1	3.8	32	3	12.7	894	2.8	1.19			7.11	1816	95	9		1.34
419	6M102	TUNDU	1	2			4	2	2.8	3	24	9.8	630	3.3	0.92			2.42	1892	76	6		3.05
420	6M103	TUNDU	1	2			4	2	2.4	17	1	13.5	1501	3.2	1.37			5.02	965	120	6		7.09
421	6M104	TUNDU	1	2			4	1	2.9	14	2	8.1	1096	3.7	0.72			6.03	1202	107	3	1	5.15
422	6M105	TUNDU	1	2			4	2	1.7	5	33	11.0	613	2.2	1.68			14.45	804	175	6		0.53
423	6M106	TUNDU	1	2			4	2	2.4	10	95	8.5	1833	3.4	0.89			6.21	923	192	8	2	0.85
424	6M107	TUNDU	1	2			4	1	2.9	13	89	8.3	1990	2.8	1.07			5.50	964	114	10		0.30
425	6M108	TUNDU	1	2			4	2	2.0	11	98	8.9	2760	4.5	0.77			5.72	1074	152	11		0.65
426	6M109	TUNDU	1	2			4	2	1.6	15	95	7.2	2030	4.7	0.98			6.48	905	170	11		1.17
427	6M110	TUNDU	1	2			4	1	2.2	20	82	10.3	1350	5.6	0.81	6		3.52	591	121	12		1.35
428	6M111	TUNDU	1	2			4	2	1.8	17	1	7.7	1299	5.1	1.19			5.46	391	111	11		0.07
429	6M112	TUNDU	1	2			4	2	1.6	20	85	16.5	2300	6.4	1.36	1		6.00	441	73	5		0.20
430	6M113	TUNDU	1	1		2	4	1	0.5	3	27	3.4	2980	4.3	0.64	3		2.77	607	67	19		0.41
431	6M114	TUNDU	1	2			4	2	5.0	14	94	2.6	1242	4.8	0.92			5.01	421	55	16		2.25
432	6M115	TUNDU	1	2			4	2	7.5	12	85	1.1	1634	5.8	0.63			6.30	383	108	19	1	0.22
433	6M116	TUNDU	1	1		2	3	1	6.6	15	76	6.5	2393	4.4	1.20	11		4.10	472	137	28		5.40
434	6M117	TUNDU	1	2			4	2	7.2	16	83	4.7	4502	4.8	1.51	5		5.71	369	77	11		6.20
435	6M118	TUNDU	1	2			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			4	2	4.5	8	81	5.6	1504	8.0	1.29	1		6.14	394	75	30		3.23
437	6M120	TUNDU	1	2			4	2	8.7	9	18	7.5	2440	8.0	1.29			5.69	452	69	27		4.25
438	6M121	TUNDU	1	2			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			4	1	4.5	13	96	14.5	1170	7.3	0.97			7.17	959	63	35	2	2.31
440	6M123	TUNDU	1	2			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			4	2	5.6	11	93	35.1	1261	6.0	0.76			8.48	2121	48	27	1	3.29
442	6M125	TUNDU	1	2			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			4	2	7.2	11	91	24.6	4242	6.8	0.80			6.41	2591	54	1	2	4.55
444	6M127	TUNDU	1	2			4	2	5.4	19	86	26.8	2066	4.1	0.62	1		1.08	3183	68	1		4.09
445	6M128	TUNDU	1	2			4	2	8.2	18	92	31.4	1995	3.9	0.63			4.21	4175	82			4.13
446	6M129	CHILW	1	1		3	1	1	4.3	7	76	38.9	3552	3.2	0.41	1		10.03	4805	121	6	1	2.29
447	6M130	CHILW	1	1		3	1	1	5.2	5	87	34.2	4013	3.6	0.82			11.27	3524	90	5		0.18
448	6M131	CHILW	1	1		3	1	1	4.7	23	115	56.0	26695	3.0	1.18	1		7.54	9952	653	8		0.32

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

DBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	CO	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	5.3	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	2		1	1	0.6	7	21	39.9	4906	0.5	0.42			2.09	3422	224			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	0.77
454	6M137	CHILW	1	1	2		1	2	0.7	4	24	10.2	1112	0.8	0.20	3		3.16	3579	136	1		10.44
455	6M138	CHILW	1	1	2		1	2	1.2	7	22	16.7	2953	0.7	0.63	1		4.36	4325	101	6		7.48
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	7.50
457	6M140	CHILW	1	1	3		1	2	1.5	5	25	8.3	1862	0.8	0.77			3.16	1425	85	6		0.10
458	6M141	CHILW	1	1	2		1	2	0.4	8	23	12.8	1186	0.5	0.22	3		0.78	329	53			0.33
459	6M142	CHILW	1	1	3		1	1	2.3	12	26	14.4	1894	0.5	0.85			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	1	7.43
463	6M146	CHILW	1	1	3		1	2	1.9	8	27	18.1	1882	3.7	0.26			6.65	1738	161			7.43
464	6M147	CHILW	1	1	4		1	2	3.4	14	24	36.6	3941	0.5	0.18			44.86	1274	66	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	0.67	1		43.37	2035	178	5		0.52
467	6M150	CHILW	1	1	4		1	2	1.3	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	1	2	0.69
470	6M153	CHILW	1	1	4		5	2	5.6	19	38	88.4	5691	2.9	1.10	10		31.59	6919	1632	3	4	0.28
471	6M154	CHILW	1	1	4		1	2	4.1	8	17	80.8	4970	3.7	0.61	3		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	1.28	1		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			6.69	3214	89			7.31
475	6M158	CHILW	1	1	3		1	2	1.3	15	8	21.9	3090	3.2	1.60			9.74	4022	168	2		0.27
476	6M159	CHILW	1	1	3		1	2	2.2	9	13	24.4	1706	3.4	1.13			28.24	4223	130		1	0.27
477	6M160	CHILW	1	1	3		1	1	4.2	9	17	21.2	2483	5.7	1.10			8.06	3052	106	1		7.40
478	6M161	CHILW	1	1	3		5	1	5.0	13	21	22.3	3387	4.7	1.52			9.67	2053	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			4.70
480	6M163	CHILW	1	1	2		1	2	3.6	9	17	20.6	1102	2.1	0.90			4.61	1221	973	7		9.88
481	6M164	CHILW	1	1	2		1	1	4.7	5	20	10.5	3405	3.0	0.52	1		4.38	1816	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			1.78
483	6M166	CHILW	1	1	2		1	1	9.6	13	28	19.9	1220	5.5	0.57			4.95	1997	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	1		3	1	9.9	6	19	4.6	4881	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	3		1	1	17.5	27	31	10.5	4583	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	9	1	3.32
490	6M173	CHILW	1	1	2		1	1	8.6	9	17	13.1	2332	1.4	0.15	2		1.27	501	26	10		2.72
491	6M174	CHILW	1	1	3		1	1	6.6	9	17	10.6	1016	1.2				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	1		3	1	6.4	11	18	11.4	1105	2.2	0.82			7.38	448	84	6		4.02
494	6M177	CHILW	1	1	2		1	2	2.0	13	17	7.7	3196	2.5	0.58	3		10.93	382	221			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	14	28	6.3	1315	0.7				2.11	48	3			1.13
497	6M180	CHILW	1	1	2		1	2	0.9	3	1	7.9	1705	0.8				3.37	296	59		1	0.05
498	6M181	CHILW	1	2	2		1	2	0.7	10			259	3.3	1.23			2.42	59	16	1		0.07
499	6M182	CHILW	1	1	2		1	2	0.7	7			150	1.0	0.87			3.43	61	17	1		0.11
500	6M183	CHILW	1	1	2		3	3	0.8	9			243	1.6	0.88			1.75	56	16			0.05
501	6M184	CHILW	1	1	2		3	4	2.5	3	0	0.92	256	3.0	0.92	1		3.62	56	8	1		0.07
502	6M185	CHILW	1	1	2		3	4	0.8	10			164	2.3	1.10			9.15	62	15	6		0.09
503	6M186	CHILW	1	2	2		3	4	1.2	19			240	3.4	1.29			5.90	10	10	6		0.04
504	6M187	CHILW	1	1	2		3	4	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	OCC	LCN	CD	CU	DY	EU	F	GA	GE	AU	HF	FE	LA	PB	LI	LU	MG
505	GM188	CHIKA	1	2			4	1	4.2	16			205	10.5	1.11			3.69	41	15	2		0.03
506	GM189	CHIKA	1	2			4	1	3.6	19			133	10.0	1.26			3.82	38	17	3		0.05
507	GM190	CHIKA	1	2			4	1	3.8	19			204	9.5	0.98			2.94	44	5	1		0.03
508	GM191	CHIKA	1	2			4	1	3.6	19			145	9.3	1.19			3.27	40	11	10		0.03
509	GM192	CHIKA	1	2			4	1	9.2	8	21.1		2650	9.4	1.31			1.82	456	50	22		1.57
510	GM193	CHIKA	1	2			4	1	3.5	20			127	9.0	1.07			2.91	48	16	8		0.05
511	GM194	CHIKA	1	2			4	1	4.3	18			175	10.0	0.88			2.06	41	20	6		0.09
512	GM195	CHIKA	1	2			4	1	4.2	20			130	9.5	1.04			2.15	49	19	7		0.04
513	GM196	CHIKA	1	2			4	1	3.6	22			130	9.5	0.93			2.91	51	23	5		0.03
514	GM197	CHIKA	1	2			4	1	4.1	15			2584	9.5	0.96			0.99	46	22	8		0.05
515	GM198	CHIKA	1	2			4	1	9.2	8	20.0		96	9.5	0.86			0.99	456	4	10		1.87
516	GM199	CHIKA	1	2			4	2	4.5	40			74	10.5	0.67			2.38	48	19	8		0.03
517	GM200	CHIKA	1	2			4	2	3.6	43			65	10.0	1.01			0.36	57	8	5		0.05
518	GM201	CHIKA	1	2			4	2	4.7	0	48		65	10.0	1.01			4.11	55	22	13		0.03
519	GM202	CHIKA	1	2			4	2	3.4	7			940	8.5	0.69			0.54	82	21	1		0.04
520	GM203	CHIKA	1	2			4	2	2.6	5			863	9.5	1.07			0.54	93	25	5		0.07
521	GM204	CHIKA	1	2			4	2	3.3	7			1086	11.0	1.19			0.35	89	24	7		0.06
522	GM205	MONGO	1	2			4	2	2.6	5			1205	10.5	1.10			6.02	101	27	21		0.10
523	GM206	MONGO	1	2			4	2	3.0	4	2.3		1377	13.2	1.40			4.39	119	27	36		0.12
524	GM207	MONGO	1	2			4	2	3.2	8			1075	12.0	0.68			2.96	110	28	18		0.10
525	GM208	MONGO	1	2			4	2	2.4	15			997	11.0	0.77			4.58	104	79	18		1.05
526	GM209	MONGO	1	2			4	2	2.5	12			1250	13.0	0.81			3.82	99	81	6		0.93
527	GM210	MONGO	1	2			4	2	3.0	14			1125	11.5	0.96			3.82	102	78	12		0.67
528	GM211	MONGO	1	2			4	2	2.8	16			1310	12.0	0.74			3.19	103	82	32		0.65
529	GM212	MONGO	1	2			4	2	2.5	20			1389	12.5	0.67			3.60	100	81	18		0.45
530	GM213	MONGO	1	2			4	2	2.7	18			1554	11.5	0.82			3.27	103	78	3		0.75
531	GM214	MONGO	1	2			4	2	2.5	14			1486	12.0	0.76			4.35	102	81	6		0.63
532	GM215	MONGO	1	2			4	2	3.0	17			1207	12.3	0.89			2.55	96	78	15		0.70
533	GM216	KANGA	1	1	2		3	1	7.5	14	31.1		2994	12.0	0.69			9.54	951	45	2		5.02
534	GM217	KANGA	1	1	2		3	1	8.2	17	37.1		3376	9.9	0.77			8.53	852	41	6		4.74
535	GM218	KANGA	1	1	2		3	1	7.5	17	33.0		3118	3.5	0.63			6.90	1053	35	6		5.18
536	GM219	KANGA	1	1	2		3	1	2.6	14	36.9		3465	2.4	0.39			34.92	1011	37	12		5.46
537	GM220	KANGA	1	1	2		3	1	3.0	17	32.2		3688	2.0	0.20			3.04	956	31	10		5.20
538	GM221	KANGA	1	1	2		3	1	10.5	15	37.2		4365	1.4	0.88			8.45	913	33	1		5.04
539	GM222	KANGA	1	1	2		3	1	10.0	14	38.0		3150	2.0	0.92			8.75	1004	33	5		5.35
540	GM223	KANGA	1	1	2		3	1	10.6	16	34.1		3475	1.5	0.78			13.48	812	35	5		5.08
541	GM224	KANGA	1	1	2		3	1	9.2	13	35.7		2653	1.0	0.60			11.49	921	33	6		5.23
542	GM225	KANGA	1	1	2		3	1	10.3	13	35.8		3075	1.5	0.72			10.80	1513	37	9		5.52
543	GM226	KANGA	1	1	2		3	1	9.6	16	33.1		2444	1.2	0.44			7.64	1208	22	3		5.25
544	GM227	KANGA	1	1	2		3	1	10.2	13	37.9		1845	1.7	0.81			12.96	955	37	9		5.22
545	GM228	KANGA	1	1	2		3	1	7.2	16	33.3		2156	0.7	0.63			10.74	2711	40	12		5.01
546	GM229	KANGA	1	1	2		3	1	8.8	12	33.2		2066	1.1	0.78			5.00	2422	18	6		5.70
547	GM230	KANGA	1	1	2		3	1	4.8	12	28.8		2250	1.4	0.50			8.96	2501	95	10		5.95
548	GM231	KANGA	1	1	2		3	1	6.6	15	26.0		1907	0.5	0.57			9.72	2589	43	12		5.75
549	GM232	KANGA	1	1	2		3	1	6.0	8	33.0		2206	1.0	0.39			7.53	2415	57	14		5.47
550	GM233	KANGA	1	1	2		3	1	7.5	8	35.0		1780	0.5	0.71			7.85	1005	32	9		5.50
551	GM234	KANGA	1	1	2		3	1	5.4	10	35.4		2050	0.3	0.80			13.00	11016	68	7		5.48
552	GM235	KANGA	1	1	2		3	1	2.5	8	34.9		2213	0.6	0.27			5.03	2933	33	10		5.43
553	GM236	KANGA	1	1	2		3	1	5.1	11	44.1		891	0.3	0.60			3.24	3027	40	12		5.70
554	GM237	KANGA	1	1	2		3	1	4.3	10	40.3		1125	0.8	0.39			8.05	11013	52	5		5.72
555	GM238	KANGA	1	1	2		3	1	5.8	13	47.8		954	0.4	0.43			18.08	1324	77	5		5.75
556	GM239	KANGA	1	1	2		3	1	2.8	12	44.8		1531	0.7	0.56			9.52	7151	55	9		6.76
557	GM240	KANGA	1	1	2		3	1	4.1	17	53.4		1703	0.4	0.43			4.37	806	31	10		6.25
558	GM241	KANGA	1	1	2		3	1	4.4	11	54.1		2274	0.5	0.43			5.46	11361	60	8		5.88
559	GM242	KANGA	1	1	2		3	1	2.7	9	48.3		1215	3.5	0.06			5.73	15022	55	12		6.54
560	GM243	KANGA	1	1	2		3	1	3.9	9	44.9		741	0.3	0.08			8.58	13111	57	10		7.50

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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
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			3	2	2.9	8	2	30.0	905	0.3	0.33			8.98	18006	53	6		7.52
563	6M246	KANGA	1	1	2		1	2	2.0	8		22.6	252	0.4				4.18	18561	49	4		8.17
564	6M247	KANGA	1	2			4	2	2.1	22		5.1	3957	4.5	0.17			11.60	1622	48	64		1.30
565	6M248	KANGA	1	2			4	2	3.2	8		15.3	18185	5.2	3.00			7.86	1900	16	408		3.16
566	6M249	KANGA	1	2			4	2	2.3	14		5.3	4990	7.3	1.10			9.74	1737	16	54		1.34
567	6M250	KANGA	1	2			4	2	9.2	19		21.4	2809	4.5	1.20			11.68	456	50	3		1.85
568	6M251	KANGA	1	1	2		1	10.3	15	15		103.3	2415	2.5	1.12			4.58	19494	35	11		1.37
569	6M252	KANGA	1	4			2	11.3	11	11		90.7	1493	2.2	0.68			6.68	5111	40	15		1.06
570	6M253	KANGA	1	4			2	10.6	10.6	10.6		93.0	1841	1.6	0.91	3		8.03	4526	62	6		1.38
571	6M254	KANGA	1	4			2	12.2	22	22		83.0	1796	2.0	0.22			6.97	8533	68	9		1.50
572	6M255	KANGA	1	4			2	10.6	25	25		85.1	1432	1.4	0.44	1		8.24	7421	60	7		1.27
573	6M256	KANGA	1	4			2	11.3	22	22		76.3	1996	1.2	0.11	6		9.20	9623	63	9		1.51
574	6M257	KANGA	1	3			2	12.3	16	16		77.1	2285	2.6	0.62	4		10.79	5521	43	8		1.22
575	6M258	KANGA	1	3			1	10.8	19	19		72.4	2157	2.1	0.21			5.88	4951	63	2		1.48
576	6M259	KANGA	1	1	4		2	11.3	16	16		55.3	2624	1.5	0.43	2		10.83	6323	68	3		1.62
577	6M260	KANGA	1	4			2	10.2	13	13		61.1	2247	1.2	0.10			10.39	5233	63	9		1.23
578	6M261	KANGA	1	4			2	11.5	24	24		54.0	2506	1.8	0.13	5		31.65	4469	66	12		0.97
579	6M262	KANGA	1	1	4		2	10.6	16	16		51.9	2550	2.5	0.21	2		6.79	9521	63	9		1.22
580	6M263	KAPIR	1	1	3		3	9.1	22	22		48.1	2303	2.3	0.49	7		9.42	4544	65	5		1.25
581	6M264	KAPIR	1	1	3		3	9.1	8	8		21.1	2634	4.3	0.80			10.80	456	50	6		1.51
582	6M265	KAPIR	1	1	3		3	9.6	13	13		56.3	2198	2.5	0.42			12.77	6213	64	3		1.00
583	6M266	KAPIR	1	1	3		3	10.4	15	15		52.1	2353	2.3	0.71			1.44	4024	67	3		1.23
584	6M267	KAPIR	1	1	3		3	10.1	12	12		56.2	1775	2.0	0.59			12.99	5201	63	8		1.47
585	6M268	KAPIR	1	1	3		3	9.0	15	15		53.2	2115	1.5	0.32			11.65	5331	66	3		1.05
586	6M269	KAPIR	1	1	3		3	9.2	11	11		25.71	2571	4.5	1.27			11.40	456	49	1		1.96
587	6M270	KAPIR	1	1	3		3	13.2	8	8		20.7	5412	5.0	0.64			8.97	351	54	12		3.13
588	6M271	KAPIR	1	1	3		3	13.8	22	22		12.0	6552	2.9	0.79			9.20	400	55			2.75
589	6M272	KAPIR	1	1	3		3	14.3	21	19		15.1	5325	4.7	1.28	1		9.02	450	56	1		2.07
590	6M273	KAPIR	1	1	3		3	11.8	25	15		12.0	6180	4.5	1.12			2.30	612	53	14		2.48
591	6M274	KAPIR	1	1	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	1.5	11	27		15.3	330	4.7	1.17			1.90	34	40	16		0.25
593	6M276	NSALA	1	2			4	3.2	32	31		18.1	1809	5.0	1.06			5.57	551	100	27		0.44
594	6M277	NSALA	1	2			3	12.4	12	1		3.3	2635	5.7	0.86			7.43	44	77	1		1.45
595	6M278	KONGW	1	2			4	11.7	20			2.1	1018	6.5	1.20			1.15	40	32	7		0.17
596	6M279	KONGW	1	2			4	10.8	18			0.9	1415	6.2	1.11			3.52	42	27	5		0.30
597	6M280	KONGW	1	2			4	11.7	21			1.4	853	5.8	2.46			1.72	40	40	3		0.22
598	6M281	KONGW	1	2			4	11.4	19			1.3	943	3.3	2.68			0.92	43	30	4		0.04
599	6M282	KONGW	1	2			4	5.4	37			11.0	1721	4.5	2.82			1.69	280	33	13		1.88
600	6M283	KONGW	1	2			4	1.0	12			2.2	305	4.3	3.41			0.34	54	42	6		0.20
601	6M284	KONGW	1	2			4	31.4	12			2.1	374	5.4	2.80			1.44	22	40	13		0.35
602	6M285	KONGW	1	2			4	1.2	10			2.3	275	5.2	3.54	2		0.90	60	39	9		0.25
603	6M286	KONGW	1	2			4	0.7	7			2.7	160	5.9	4.17			2.72	162	35	2		0.05
604	6M287	KONGW	1	2			4	0.4	9			2.6	178	5.0	1.81			1.12	145	33	9		0.06
605	6M288	KONGW	1	2			4	0.7	7			2.7	95	5.5	1.63			3.58	140	38	3		0.07
606	6M289	KONGW	1	2			4	1.8	11			2.0	127	4.6	1.41	1		1.82	30	47	6		0.16
607	6M290	KONGW	1	2			5	5.3	37			11.3	1675	4.5	1.68			12.59	306	35	12		0.16
608	6M291	KONGW	1	2			4	1.6	10			2.0	34	3.2	0.92			0.83	15	50	5		0.05
609	6M292	KONGW	1	2			4	1.4	12			1.9	44	4.0	0.93			0.56	24	48	4		0.05
610	6M293	ALIGO	1	2			4	2.4	30	5		7.2	1628	5.3	1.31			10.93	133	52	14		2.25
611	6M294	ALIGO	1	1	1		4	2.3	27	13		7.2	1831	6.5	1.72			12.39	137	50	13		2.53
612	6M295	ALIGO	1	2			4	2.1	25	3		6.0	1847	5.5	1.60			1.71	139	50	6		2.48
613	6M296	ALIGO	1	2			4	2.9	10			2.3	406	4.6	0.97			2.04	35	45	5		0.24
614	6M297	ALIGO	1	2			4	2.5	8			2.1	323	4.7	1.19			1.05	32	15	11		0.37
615	6M298	ALIGO	1	2			4	2.8	6			50.3	1994	2.5	1.23			9.73	22	34	5		6.05
616	6M299	ALIGO	1	2			4	5.5	58	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			4.85	5	12	3		0.06
618	6M301	ALIGO	1	2		3	4	2	4.6	15		1.1	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	2	1.3	74	3.5	2.21			0.50	12	42	3		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	5	2	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	8.6	13	5		130	22.0	2.04			3.70	5	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	103	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	11.3	1832	4.3	2.13		2753.00	281	40	15		1.77	
630	6M313	KADON	1	2		3	4	2	5.3	14	16	1.4	163	24.0	1.94			2.60	24	103	20		0.05
631	6M314	KADON	1	2		3	1	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	3	2	10.6	55	5	6.2	148	3.5	2.07			4.08	2	50			0.05
633	6M316	MLIND	1	3		3	3	2	10.3	53	15	7.1	202	3.7	1.67			3.55	2	40			0.14
634	6M317	MLIND	1	2		3	3	2	6.4	50		4.9	223	4.0	1.82			0.73		38			0.11
635	6M318	MLIND	1	3		3	3	2	0.7	6		1.1	167	1.1	3.24			0.14		45			12.46
636	6M319	MLIND	1	3		3	3	2	0.5	8		1.1	138	1.0	2.09			0.28		45			11.47
637	6M320	MLIND	1	2		3	1	1	2.0	9		5.0	135	10.1	2.96			4.26		20	9		0.15
638	6M321	MLIND	1	3		3	1	1	25.3	1		1.4	3518	6.6	2.17			5.39		37	4		9.92
639	6M322	MLIND	1	3		3	1	1	18.7	83		2.0	2850	7.9	1.41			5.77	1	43	13		9.05
640	6M323	MLIND	1	3		3	1	1	25.2	81		3.0	3207	7.5	1.92			9.35	1	42	15		9.10
641	6M324	MLIND	1	3		3	1	1	13.1	79		5.2	3128	10.0	1.72			9.58	1	45	7		8.50
642	6M325	MLIND	1	3		3	1	1	24.2	81		3.8	3346	8.5	1.43			7.20	1	43	20		8.73
643	6M326	MLIND	1	3		3	1	1	25.0	79		3.4	2815	9.0	2.03			14.85	1	50	19		7.95
644	6M327	MLIND	1	3		3	1	1	23.4	85		3.4	2488	6.0	1.78			6.07	2	42	2		7.17
645	6M328	MLIND	1	3		3	1	2	24.9	80		5.1	2750	7.5	1.92			5.93	2	46	12		6.45
646	6M329	MLIND	1	3		3	1	2	24.0	78		6.9	2689	10.0	1.54			2.14	2	41	10		7.02
647	6M330	MLIND	1	3		3	1	1	24.5	82		9.1	2205	9.0	1.47			10.16	2	45	3		7.98
648	6M331	MLIND	1	3		3	1	1	23.3	78		6.9	2319	12.3	1.85			8.41	3	50	9		5.56
649	6M332	MLIND	1	3		3	1	1	23.3	78		5.0	2653	11.5	1.01			10.16	2	48	14		7.77
650	6M333	MLIND	1	3		3	1	2	16.2	81		1.9	3050	9.5	1.08			5.81	1	57	17		8.18
651	6M334	MLIND	1	3		3	1	2	5.1	42		4.2	75	2.1	0.97			2.85		55	5		0.36
652	6M335	MLIND	1	3		3	1	2	4.2	16		4.2	3760	13.0	1.26			7.32		43	3		10.62
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	53	3		0.22
655	6Y003	TUNDU	1	1	2		1	2	2.1	10	12	10.1	2293	7.2				8.61	449	59	6		0.37
656	6Y004	TUNDU	1	1	2		1	2	7.3	17	3	11.2	8608	30.3	1.27			11.85	559	20	45		0.30
657	6Y005	TUNDU	1	1	2		1	2	4.4	7	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			12.95	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	1	1.5	23	21	1.1	2498	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				5.22	398	33	4		0.35
663	6Y011	TUNDU	1	1	2		1	2	3.2	26	13	9.2	496	4.3		2		2.53	459	47	4		0.08
664	6Y012	TUNDU	1	1	2		1	2	2.8	21	7	13.4	3005	4.9		1		1.84	384	68	8		0.17
665	6Y013	TUNDU	1	1	2		1	2	7.3	9	34	6.9	739	2.8				6.18	683	11	2		1.63
666	6Y014	TUNDU	1	1	2		1	2	1.4	9	37	14.2	2454	0.7				2.95	582	59	2		0.07
667	6Y015	TUNDU	1	1	2		1	2	8.5	16	27	11.3	581	0.9				2.40	1906	18	4		0.07
668	6Y016	TUNDU	1	1	2		1	1			8	36	65.4	1585	0.2	0.04		2.32	1659	66	1		0.06
669	6Y017	TUNDU	1	1	2		1	1	2.7	42	13	33.0	793	0.9	0.09			9.57	1436	59			0.06
670	6Y018	TUNDU	1	1	5		1	1			9		202	1.4	0.43			0.88	29	44			0.21
671	6Y019	TUNDU	1	1	2		1	1	1.9	16	59	56.3	1425	1.6				5.24	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		0.66

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DSS	NO	SECTOR	RS	RK	RK2	ALT	QCC	LCN	CD	CU	DY	EU	F	GA	GE	AU	HF	FE	LA	PB	LI	LU	MG
673	6Y021	TUNDU	1	1	2		1	2	1.5	19	11	8.3	473	1.5				3.88	295	93	3		0.20
674	6Y022	TUNDU	1	1	2		1	2	5.7	18	20	14.9	636	0.6				1.67	374	64	5		0.23
675	6Y023	TUNDU	1	1	2		1	2		9	11	8.4	444	0.2				0.34	454	50	4		0.06
676	6Y024	TUNDU	1	1	2		1	2	1.9	11	15	6.3	1647	1.7				1.48	372	52	4		0.13
677	6Y025	TUNDU	1	1	2		1	1	0.4	34	8	10.1	9.3	371	1.9			1.61	183	31	4		0.27
678	6Y026	TUNDU	1	1	2		1	1	6.7	24	21	9.3	371	1.9				0.46	265	48	5		0.18
679	6Y027	TUNDU	1	1	2		1	1	2.3	12	16	11.4	1159	2.1	0.13			3.31	475	44	8		0.11
680	6Y028	TUNDU	1	1	2		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	2	1.0	22	2	20.2	1275	1.8				2.37	1250	79	8		0.15
682	6Y030	SONGW	1	1	2		1	2	4.8	45	2	38.1	1748	4.4				3.15	1840	124	14		0.20
683	6Y031	SONGW	1	1	2		1	2	2.4	21	97	109.0	9838	1.9				9.02	2935	396	1		0.13
684	6Y032	SONGW	1	1	2		1	2	6.6	14	85	31.4	692	2.4	0.94			4.84	1556	15	2		0.29
685	6Y033	SONGW	1	2	2		1	1	2.0	8	91	39.3	339	2.4	0.82			5.51	2252	25	2		0.21
686	6Y034	SONGW	1	3	2		1	1	1.1	16	102	128.8	3557	1.7	0.69			5.36	2764	262	3		0.26
687	6Y035	SONGW	1	1	1		2	2	0.7	25	91	30.2	880	2.3	0.83			4.24	2251	45	2		0.31
688	6Y036	SONGW	1	1	1		2	2	0.1	8	95	56.1	1425	0.5	0.17			3.50	2167	151	2		0.46
689	6Y037	SONGW	1	1	1		2	2	5.1	21	79	38.4	1130	1.2				4.16	1052	72	3		0.21
690	6Y038	SONGW	1	1	1		2	2	6.2	16	90	44.0	843	2.3	0.70			4.94	1622	77	2		0.30
691	6Y039	SONGW	1	2	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	1		4	2	10.8	12	105	88.1	1554	1.0	0.73			3.48	523	202	5		0.20
693	6Y041	SONGW	1	1	1		4	2	12.7	11	124	73.2	2100	1.4	0.85			4.21	2206	99	5		0.17
694	6Y042	SONGW	1	1	1		4	2	7.5	26	115	63.1	2250	1.8	0.55			3.68	74	79	7		0.13
695	6Y043	SONGW	1	1	1		4	2	2.5	41	107	51.4	1253	2.9	0.43			3.94	2396	167	3		0.26
696	6Y044	SONGW	1	1	1		4	2		33	114	67.3	3251	2.3	0.67			2.22	986	230	7		0.10
697	6Y045	SONGW	1	1	2		4	2		108	102.0	3802	1.0	0.22				4.26	2728	201	4		0.13
698	6Y046	SONGW	1	2	2		4	2	3.7	23	31	39.4	176	11.6	1.67			13.62	1372	409	12		0.39
699	6Y047	SONGW	1	1	2		2	2	1.4	8	54	48.4	1023	1.9	0.09			5.62	1358	251	2		0.15
700	6Y048	SONGW	1	1	2		2	2	1.8	16	22	6.3	1502	2.5				6.27	1510	126	3		0.10
701	6Y049	SONGW	1	1	2		2	2	5.3	7	32	10.0	536	2.0				6.38	2251	35	3		0.17
702	6Y050	SONGW	1	1	2		4	2	4.8	6	11	9.0	379	1.2				9.16	1862	60	5		0.20
703	6Y051	SONGW	1	1	2		4	2	1.7	12	86	53.2	898	3.2				6.04	2157	42	4		0.27
704	6Y052	SONGW	1	1	2		4	2	0.5	15	81	45.3	1272	2.4				10.16	1776	31	3		0.16
705	6Y053	SONGW	1	3	2		4	2	1.1	26	68	35.9	630	1.1				12.36	3211	32	5		0.13
706	6Y054	SONGW	1	1	2		4	2	2.1	29	52	38.1	451	1.6				8.92	3687	92	2		0.22
707	6Y055	SONGW	1	1	2		4	2	3.8	16	74	40.3	833	2.1				14.29	3223	179	4		0.30
708	6Y056	SONGW	1	1	2		4	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		4	2	0.4	6	62	32.9	1778	2.8				13.84	3450	222	3		0.21
710	6Y058	SONGW	1	3	2		4	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		4	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		4	2	1.8	16	33	66.5	490	3.1				7.59	3455	152	6		0.50
713	6Y061	SONGW	1	1	2		1	1	4.3	12	128	117.6	5815	0.7				11.48	5127	196	7		0.98
714	6Y062	SONGW	1	1	2		1	1	2.4	11	35	72.6	1123	0.4	0.26			6.18	1556	122	5		0.64
715	6Y063	SONGW	1	1	2		1	1	2.8	15	45	37.3	708	1.3				4.51	1500	146	4		0.41
716	6Y064	SONGW	1	1	2		1	1	2.1	12	86	83.4	2167	1.0	0.13			7.96	5254	239	6		0.20
717	6Y065	SONGW	1	1	2		1	1	2.1	9	68	75.4	3025	1.7				11.06	4010	273	5		0.31
718	6Y066	SONGW	1	1	2		1	1	2.0	10	87	123.2	7444	0.5	0.09			6.57	3030	526	2		0.12
719	6Y067	SONGW	1	1	2		1	1	1.5	34	93	90.9	3776	0.8				8.45	2854	226	1		0.08
720	6Y068	SONGW	1	1	2		1	1	1.6	23	146	162.6	6040	0.7	0.22			7.41	3559	361	2		0.10
721	6Y069	SONGW	1	1	2		1	2	3.8	25	79	57.6	2101	3.3	0.64			5.95	2758	254	3		0.15
722	6Y070	SONGW	1	3	2		4	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	1	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	1	1.7	23	122	118.3	1842	2.7	0.09			9.34	2522	217	1		0.19
725	6Y073	SONGW	1	1	2		1	1	1.6	9	116	75.1	3062	0.4				5.70	2644	174	5		0.16
726	6Y074	SONGW	1	1	2		1	1	5.1	8	168	99.0	4799	0.9				8.59	3470	161	5		0.20
727	6Y075	SONGW	1	1	2		1	1	6.7	11	154	65.0	1096	1.1	0.19			6.68	2688	145	5		0.25
728	6Y076	SONGW	1	1	2		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	CD	CU	DY	EU	F	GA	GE	AU	HF	FE	LA	PB	LI	LU	HG
729	6Y077	SONGW	1	1	2		1	2	6.0	10	164	46.2	2753	0.3	1.07			5.24	2233	133	5		0.18
730	6Y078	SONGW	1	1	2		1	2	2.6	19	182	91.8	2344	2.1	1.07			10.55	821	181	5		0.29
731	6Y079	SONGW	1	1	2		1	2	0.8	5	181	110.4	1552	0.5	1.07			4.49	3037	174	8		0.40
732	6Y080	NAMAN	1	2			5	2	5.3	12	3	64.2	1250	6.4	0.17			2.83	147	141	18		0.45
733	6Y081	NAMAN	1	2			5	2	5.0	11	3	2.1	1973	10.3	1.81			4.19	99	56	49		0.68
734	6Y082	NAMAN	1	2			5	1	6.4	14	7	8.0	841	5.3			135.00	572	15	9		0.27	
735	6Y083	NAMAN	1	2			5	1	8.2	11	10	2.9	476	6.2			3.08	1626	24	7		0.40	
736	6Y084	NAMAN	1	2			5	1	2.7	8	10	2.1	2125	4.0			2.90	1798	25	8		0.18	
737	6Y085	NAMAN	1	2			5	5	9.2	21	11	5.0	2740	4.7			3.02	855	47	3		0.58	
738	6Y086	NAMAN	1	3			5	5	1.1	21	2	0.2	739	2.4	0.88			1.31	116	50	1		0.19
739	6Y087	NAMAN	1	2			5	1	4.3	16		0.4	1401	1.3	0.94			2.64	420	18	3		0.55
740	6Y088	NAMAN	1	2			5	1	7.4	19	2		3936	4.1	0.89			2.84	203	43	6		0.35
741	6Y089	NAMAN	1	2			5	1	2.1	9			1460	2.6	1.41			2.73	88	54	2		0.29
742	6Y090	NAMAN	1	2			5	1	5.2	13	1		1565	5.7	1.01			3.36	345	33	8		0.49
743	6Y091	NAMAN	1	2			5	1	5.2	13	1		1255	1.5	1.53			4.42	190	112	106		1.08
744	6Y092	NAMAN	1	1			5	1	9.4	16	2		899	0.9	1.32			1.13	67	63	12		0.11
745	6Y093	NAMIN	1	3			3	2	4.5	10	1	4.3	899	0.9	1.32			1.93	258	43	9		0.21
746	6Y094	NAMIN	1	3			3	2	11.9	26		0.6	642	1.3	1.44			1.14	411	38	11		0.25
747	6Y095	NAMIN	1	3			3	2	4.3	14			2350	2.1	1.60			0.84	565	88	7		0.31
748	6Y096	NAMIN	1	3			3	1	1.1	13			1073	5.3	3.79			1.14	55	56	3		0.09
749	6Y097	NAMIN	1	3			3	1	0.8	11		2.0	452	2.1	1.03			1.37	342	27	4		0.22
750	6Y098	NAMIN	2	3			3	2	2.3	26	17	0.3	316	0.8	0.83			0.85	256	69	3		0.16
751	6Y099	NAMIN	1	3			3	1	4.2	23			779	1.2	1.04			1.32	21	84	4		0.10
752	6Y100	NAMIN	1	3			3	1	2.6	14			360	1.6	1.25			1.20	946	56	3		0.30
753	6Y101	NAMIN	1	3			3	1	5.2	20			87	2.1	1.32			0.53	15	42	5		0.08
754	6Y102	NAMIN	1	3			3	1	1.1	17	2		94	1.6	1.16			0.95	41	43	5		0.15
755	6Y103	NAMIN	1	3			3	1	0.8	13			498	2.7	1.46			1.42	165	77	3		0.09
756	6Y104	NAMIN	2	3			3	1	0.3	21			340	2.4	1.02			2.48	180	18	4		0.17
757	6Y105	NAMIN	1	3			3	1	1.7	52	1	7.2	707	3.9	0.92			1.44	80	139	3		0.10
758	6Y106	NAMIN	1	3			3	1	3.8	25			1140	0.9	1.14			1.39	461	14	5		0.13
759	6Y107	NAMIN	1	3			3	1	5.0	15		2.6	839	0.6	1.30			1.59	88	48	4		0.21
760	6Y108	NAMIN	1	3			3	1	2.6	17			180	6.0	1.49			1.27	44	56	4		0.04
761	6Y109	NAMIN	1	3			3	1	3.0	12		0.8	255	5.0	1.03			4.41	80	20	5		0.13
762	6Y110	NAMIN	1	3			3	1	7.6	14		2.0	600	3.7	1.03			2.08	25	13	2		0.08
763	6Y111	NAMIN	1	3			3	1	5.0	11			911	3.1	1.04			0.50	24	10	3		0.18
764	6Y112	NAMIN	1	3			3	1	4.9	9			340	4.3	1.03			1.28	163	22	6		0.09
765	6Y113	NAMIN	1	3			3	1	7.4	18			75	5.3	0.97			1.81	34	45	5		0.15
766	6Y114	NAMIN	1	3			3	2	4.1	12			1502	2.0	0.82			0.91	239	49	4		0.22
767	6Y115	TUNDU	1	1	2		1	2	3.1	6	17		1165	3.5	0.85			1.65	430	33	4		0.15
768	6Y116	TUNDU	1	1	2		1	2	2.6	8	14	0.6	2378	1.9	0.86			2.11	323	35	5		0.17
769	6Y117	TUNDU	1	1	2		1	2	3.7	10	15	8.2	2204	1.3	0.59	16		2.54	369	40	3		0.12
770	6Y118	TUNDU	1	1	2		1	2	2.6	7			1391	1.5				1.25	250	45	5		0.16
771	6Y119	TUNDU	1	1	2		1	2	3.3	14	1	7.4	1084	1.7	0.02			1.14	350	45	4		0.09
772	6Y120	TUNDU	1	1	2		1	2	3.5	14			755	1.2	0.02			1.41	697	56	3		0.15
773	6Y121	TUNDU	1	1	2		1	2	4.2	23	2	8.0	1803	1.8	0.04			2.41	327	45	5		0.21
774	6Y122	TUNDU	1	1	2		1	2	4.8	17	1	9.2	3875	2.2				3.68	431	37	4		0.18
775	6Y123	TUNDU	1	1	2		1	2	1.8	20	4		2612	1.4				2.18	262	49	3		0.30
776	6Y124	TUNDU	1	1	2		1	2	2.2	13		6.6	1650	0.6				7.58	980	71	4		0.21
777	6Y125	TUNDU	1	1	2		1	2	2.2	16		28.3	5498	0.9				3.10	618	61	2		0.35
778	6Y126	TUNDU	1	1	2		1	2	2.4	13			808	0.4				4.87	891	65	2		0.42
779	6Y127	TUNDU	1	1	2		1	2	0.5	17			388	0.3				0.32	390	45	3		0.09
780	6Y128	TUNDU	1	1	2		1	2	2.0	20		7.3	879	1.6				2.56	461	53	3		0.13
781	6Y129	TUNDU	1	1	2		1	2	2.2	16		3.9	804	0.9				2.98	115	30	2		0.10
782	6Y130	TUNDU	1	1	2		1	2	1.9	15			740	1.2				2.62	782	48	2		0.07
783	6Y131	TUNDU	1	1	2		1	2	1.3	11		11.4	695	1.2				1.37	390	50	4		0.14
784	6Y132	TUNDU	1	1	2		1	2	5.3	5		8.3	309	0.6	1.63			0.45	303	45	3		0.09

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

DBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	CO	CU	DY	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			2653	2.3	1.21	2		1.88	221	47	9		0.26
787	6Y135	TUNDU	1	1	2		2	2	8.1	19	1	4.0	2212	1.7	1.10			1.47	154	71	6		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			1.33	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	59	4		0.49
796	6Y144	TUNDU	1	1	2		2	1	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	1276	0.9	1.00			1.00	578	48	4		0.10
798	6Y146	CHILW	1	1	3		3	1	1.4	13	63	166.0	1474	2.5	1.81			7.42	1551	102	2		0.06
799	6Y147	CHILW	1	1	3		3	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		3	1	3.8	32	47	135.2	3853	0.9	1.01	3		9.35	1994	70	2		0.15
801	6Y149	CHILW	1	1	3		3	1	3.1	44	55	69.0	1247	1.2	0.80			11.90	2923	98	1		0.18
802	6Y150	CHILW	1	1	3		3	1	2.4	19	39	8.7	5865	2.0		9		10.74	878	53	2		0.10
803	6Y151	CHILW	1	3	3		3	2	9.1	6	37	68.4	28870	2.5		49		47.57	478	44	1		0.25
804	6Y152	CHILW	1	1	2		2	1	9.6	10	43	72.2	1852	1.1		3		7.46	195	26	2		2.77
805	6Y153	CHILW	1	1	2		1	2	8.5	21	51	45.4	1355	0.7		1		2.91	364	29	2		0.39
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	3.8	25		30.2	3062	1.4		1		7.71	1511	135	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	0	35	50.4	945	1.0			4.21	1250	222			0.55	
812	6Y160	CHILW	1	1	2		1	1	5.6	12	1	21.1	4241	2.4			5.40	298	73	3		0.37	
813	6Y161	CHILW	1	1	2		1	1	3.0	10	30	24.3	5805	4.3			3.54	660	91	6		0.33	
814	6Y162	CHILW	1	1	2		1	1	5.6	17		22.1	3503	1.5			2.74	715	55	5		0.48	
815	6Y163	CHILW	1	1	2		1	1	4.0	15	11	17.4	1858	3.3		1		3.05	566	46	6		0.75
816	6Y164	CHILW	1	1	2		1	1	5.0	11		10.4	2336	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	4.2	10	2	7.3	3802	3.6			2.19	270	120	1		0.60	
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			2.50	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	1.7	13	3	7.5	1480	6.1	0.35	13		3.88	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	2688	1.3	0.31	5		2.98	418	68	1		0.12
827	6Y175	CHILW	1	1	2		1	1	3.4	15	8	10.2	1838	2.3			4.59	322	86	2		0.10	
828	6Y176	CHILW	1	1	2		1	1	3.0	12	40	15.5	1717	1.5			2.93	783	157	1		0.15	
829	6Y177	CHILW	1	1	2		1	1	2.0	4	11	15.9	2448	2.1			2.80	350	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			2.42	850	47	1		0.08	
832	6Y180	CHILW	1	1	2		1	1	1.9	5	54	17.0	1743	2.7			3.71	774	152	1		0.09	
833	6Y181	CHILW	1	1	2		1	1	2.0	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	1866	1.1	0.81			1.73	826	148	2		0.13
836	6Y184	CHILW	1	1	2		1	1	2.3	7	48	22.3	1655	1.2	1.30			1.37	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	1.40	1		3.42	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

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
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	0.59	.	.	3.66	216	62	5	.	0.29
843	6Y191	CHILW	1	1	2		1	2	5.2	9	45	18.4	2179	1.3	0.88	.	.	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	.	0.20
845	6Y193	CHILW	1	1	2		1	2	1.9	10	20	22.9	365	0.5	0.47	1	.	1.76	381	37	2	.	0.23
846	6Y194	CHILW	1	1	2		1	1	0.9	8	16	7.1	360	0.5	0.22	2	.	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	CHILW	1	1	2		1	1	1.3	9	.	5.7	989	5.3	1.40	12	.	2.86	66	33	11	.	0.59
850	6Y198	CHILW	1	1	2		1	1	2.8	10	.	9.8	914	0.8	1.21	5	.	9.66	63	39	9	.	6.16
851	6Y199	MONGO	1	2			4	1	3.7	5	.	4.8	448	11.0	1.72	6	.	2.17	10	24	8	.	0.12
852	6Y200	MONGO	1	2			4	2	3.9	15	.	21.6	1145	2.6	0.74	.	.	3.01	733	41	8	.	0.47
853	6Y201	KANGA	1	1	3		1	1	5.4	9	.	14.2	2123	1.7	0.43	.	.	13.94	5580	48	6	.	4.55
854	6Y202	KANGA	1	1	3		1	1	5.0	8	.	13.3	1778	5.2	1.32	.	.	6.78	4961	32	5	.	4.57
855	6Y203	KANGA	1	1	3		1	1	5.3	11	.	16.4	1958	4.4	1.69	.	.	8.05	6180	49	6	.	4.35
856	6Y204	KANGA	1	1	3		1	1	4.9	8	.	13.2	1785	3.9	1.88	.	.	7.43	3922	32	4	.	4.28
857	6Y205	KANGA	1	1	3		1	1	5.1	7	.	12.1	2074	5.2	1.19	.	.	5.35	4735	46	5	.	4.60
858	6Y206	KANGA	1	1	3		1	1	3.1	11	.	17.6	1786	5.0	1.55	.	.	8.39	3567	57	7	.	4.32
859	6Y207	KANGA	1	1	3		1	1	5.0	13	.	9.6	1997	5.5	2.00	.	.	7.31	5283	41	4	.	4.35
860	6Y208	KANGA	1	1	3		1	1	5.3	10	.	13.6	1750	5.2	1.40	.	.	8.76	4611	30	4	.	4.52
861	6Y209	KANGA	1	1	3		1	1	4.8	9	.	12.2	1932	5.5	1.32	1	.	7.50	5537	37	5	.	4.21
862	6Y210	KANGA	1	1	3		1	1	5.2	10	.	15.1	1689	6.0	1.87	.	.	6.93	6338	21	6	.	4.50
863	6Y211	KANGA	1	1	3		1	1	4.2	8	.	14.2	2107	5.0	2.96	.	.	6.99	5801	28	6	.	4.05
864	6Y212	KANGA	1	1	3		1	1	4.0	7	.	10.0	1954	5.3	2.03	.	.	9.50	4395	26	3	.	4.45
865	6Y213	KANGA	1	1	3		1	1	4.3	6	.	12.1	1667	3.1	1.84	.	.	8.96	4973	33	5	.	4.15
866	6Y214	KANGA	1	1	3		1	1	3.9	8	.	15.3	1764	3.8	1.84	.	.	11.63	5491	27	6	.	4.20
867	6Y215	KANGA	1	1	3		1	1	4.4	7	.	9.2	1675	5.1	1.81	.	.	11.45	4235	22	5	.	4.24
868	6Y216	KANGA	1	1	3		1	1	4.5	10	.	7.7	2004	4.1	1.97	.	.	15.70	4761	23	7	.	4.16
869	6Y217	KANGA	1	1	3		1	1	3.2	6	.	9.8	1823	5.1	1.90	.	.	4.85	3921	36	8	.	4.87
870	6Y218	KANGA	1	1	3		1	1	4.0	11	.	12.0	1678	4.5	1.97	.	.	8.13	4463	44	7	.	4.35
871	6Y219	KANGA	1	1	3		1	1	4.8	7	.	7.4	1725	6.5	1.86	.	.	5.36	4095	48	7	.	4.02
872	6Y220	KANGA	1	1	3		1	1	2.9	6	.	10.2	1603	5.8	1.85	.	.	8.45	2213	32	10	.	4.13
873	6Y221	KANGA	1	1	3		1	1	5.1	6	.	7.3	1776	6.4	2.17	.	.	7.65	3087	42	8	.	4.25
874	6Y222	KANGA	1	1	3		1	1	4.1	7	.	17.4	1654	4.9	1.85	.	.	7.09	2781	37	9	.	4.14
875	6Y223	KANGA	1	1	3		1	1	4.1	6	.	12.6	1815	5.4	1.67	.	.	5.16	3618	34	10	.	4.00
876	6Y224	KANGA	1	1	3		1	1	4.4	9	.	18.3	1606	3.8	1.91	.	.	13.21	4450	43	11	.	3.82
877	6Y225	KANGA	1	1	3		1	1	4.7	12	.	25.1	1556	4.8	1.50	.	.	12.78	3167	46	10	.	3.93
878	6Y226	KANGA	1	1	3		1	1	4.0	8	.	13.2	1743	2.2	1.33	.	.	9.47	4538	45	8	.	4.10
879	6Y227	KANGA	1	1	3		1	1	3.1	11	.	12.7	1950	2.7	2.05	.	.	2.57	8293	39	9	.	4.06
880	6Y228	KANGA	1	1	3		1	1	4.2	8	.	21.4	1823	2.2	1.39	.	.	4.69	6875	42	5	.	3.96
881	6Y229	KANGA	1	1	3		1	1	4.6	7	.	30.4	1820	3.0	1.82	.	.	7.42	8630	51	9	.	4.15
882	6Y230	KANGA	1	1	3		1	1	5.1	11	.	24.6	1965	2.1	2.14	.	.	5.41	9567	29	11	.	4.07
883	6Y231	KANGA	1	1	3		1	1	4.5	7	.	31.3	1700	2.3	1.62	.	.	4.53	18142	43	9	.	3.88
884	6Y232	KANGA	1	1	3		1	1	4.2	5	.	37.3	1927	2.8	1.23	.	.	8.48	14233	38	11	.	4.10
885	6Y233	KANGA	1	1	3		1	1	3.1	22	.	64.1	3489	5.6	1.50	.	.	22.97	26811	81	10	.	3.75
886	6Y234	KANGA	1	1	3		1	1	4.9	8	.	31.5	927	3.9	0.99	2	.	5.99	8166	46	7	.	3.76
887	6Y235	KANGA	1	1	3		1	1	4.2	24	.	25.0	1411	6.3	1.67	.	.	25.44	31525	90	12	.	3.90
888	6Y236	KANGA	1	1	3		1	1	4.6	6	.	29.6	715	3.3	1.87	.	.	9.89	6803	49	9	.	3.98
889	6Y237	KANGA	1	1	3		1	1	4.6	6	.	26.3	563	2.0	1.44	.	.	6.48	7325	58	7	.	3.74
890	6Y238	KANGA	1	1	3		1	1	3.3	7	.	28.6	432	1.8	2.03	.	.	9.54	4429	52	8	.	3.88
891	6Y239	KANGA	1	1	3		1	1	4.2	7	.	15.7	520	2.1	1.68	.	.	5.88	5086	56	6	.	3.55
892	6Y240	KANGA	1	1	3		1	1	3.0	11	.	23.1	405	0.8	2.07	.	.	7.93	3473	50	9	.	4.00
893	6Y241	KANGA	1	1	3		1	1	4.5	10	.	23.1	415	0.7	3.47	.	.	11.98	4738	56	14	.	3.85
894	6Y242	KANGA	1	1	3		1	1	4.8	8	.	23.6	570	1.4	1.87	.	.	8.18	4115	70	9	.	3.60
895	6Y243	KANGA	1	1	3		1	1	5.2	8	.	20.4	733	1.2	1.94	.	.	9.90	5660	62	10	.	3.77
896	6Y244	KANGA	1	1	3		1	1	4.4	7	.	17.6	690	1.0	1.34	.	.	8.35	4869	54	7	.	4.18

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	CD	CU	DY	EU	F	GA	GE	AU	HF	FE	LA	PB	LI	LU	MG
897	6Y245	KANGA	1	1	3		1	1	4.5	9		22.0	895	0.6	1.76			11.04	5323	79	7		3.80
898	6Y246	KANGA	1	1	3		1	1	16.3	17		47.2	4246	5.2	0.88	6		19.45	9439	72	5		0.36
899	6Y247	KANGA	1	1	3		1	1	3.2	20		56.3	3954	5.4	0.67	4		23.29	21769	86	4		0.38
900	6Y248	KANGA	1	1	3		1	1	3.0	6		43.2	413	1.5				2.45	26202	72	12		6.73
901	6Y249	KANGA	1	1	3		1	1	5.6	8		27.1	715	0.8	0.90			5.43	8631	33	7		5.37
902	6Y250	KANGA	1	1	3		1	1	5.7	6		29.2	613	1.2	0.71			10.55	6356	51	6		5.17
903	6Y251	KANGA	1	1	3		1	1	6.2	8		22.4	1339	0.6	0.48			10.18	7722	39	6		5.40
904	6Y252	KANGA	1	1	3		1	1	5.5	7		28.6	826	0.7	1.11			8.73	7338	46	7		4.88
905	6Y253	KANGA	1	1	3		1	1	3.0	17		43.7	3878	6.5	0.82			19.76	18581	37	11		0.25
906	6Y254	KANGA	1	1	3		1	1	6.3	10		33.2	3447	1.9	0.94			9.03	11636	81	6		4.67
907	6Y255	KANGA	1	1	3		1	1	6.6	8		43.6	3154	1.5	1.70			10.28	10337	54	5		4.45
908	6Y256	KANGA	1	1	3		1	1	7.5	6		37.5	3059	1.3	1.21			9.00	9765	49	4		4.80
909	6Y257	KANGA	1	1	3		1	1	7.0	6		41.2	3545	1.7	1.25			9.08	10731	29	7		4.78
910	6Y258	KANGA	1	1	3		1	1	7.2	9		38.7	3175	1.3	0.95			7.81	10085	40	6		4.83
911	6Y259	KANGA	1	1	3		1	1	8.2	12		49.9	3500	1.1	1.56			4.93	13537	24	6		4.45
912	6Y260	KANGA	1	1	3		1	1	7.6	12		48.3	3651	1.8	1.84			5.58	10522	54	4		4.55
913	6Y261	KANGA	1	1	3		1	1	8.3	7		57.5	3802	1.2	1.75			5.92	13295	60	5		4.25
914	6Y262	KANGA	1	1	3		1	1	8.4	13		56.4	3255	1.5	1.42			9.31	10939	46	7		4.06
915	6Y263	KANGA	1	1	3		1	1	8.2	7		54.5	3500	0.9	1.62			11.78	11529	52	6		4.34
916	6Y264	KANGA	1	1	3		1	1	9.2	13		46.2	3314	0.7	1.90			4.96	7581	48	5		4.57
917	6Y265	KANGA	1	1	3		1	1	9.5	11		49.6	3673	1.1	1.24			4.13	8233	55	6		4.47
918	6Y266	KANGA	1	1	3		1	1	9.3	12		39.4	3530	0.9	1.55			6.82	5418	39	7		4.49
919	6Y267	KANGA	1	1	3		1	1	9.6	9		44.2	3802	1.2	1.85			5.35	6435	61	5		4.07
920	6Y268	KANGA	1	1	3		1	1	9.2	8		38.6	3656	0.8	1.41			5.85	7538	50	5		4.30
921	6Y269	KANGA	1	1	3		1	1	9.3	8		44.3	3805	1.1	1.39			9.63	2337	57	6		3.75
922	6Y270	KANGA	1	1	3		1	1	9.6	9		39.3	3367	1.4	1.63			9.75	5081	55	5		4.25
923	6Y271	KANGA	1	1	3		1	1	10.1	10		34.6	3125	1.7	1.30			10.28	3516	56	6		4.00
924	6Y272	KANGA	1	1	3		1	1	9.8	8		29.3	2343	1.1	1.61			8.85	3827	49	4		4.14
925	6Y273	KANGA	1	1	3		1	1	9.6	12		23.4	3678	2.3	1.97			8.93	2981	60	4		3.85
926	6Y274	KANGA	1	1	3		1	1	10.2	9		32.5	3879	1.3	1.44			11.11	3468	54	5		3.97
927	6Y275	KANGA	1	1	3		1	1	9.7	8		34.2	3750	1.3	1.15			10.20	2515	45	4		3.86
928	6Y276	KANGA	1	1	3		1	1	10.3	10		48.3	3345	2.0	0.56			10.27	5365	63	2		2.23
929	6Y277	KANGA	1	1	3		1	1	7.3	9		37.4	3510	1.5	0.39			9.19	1537	39	1		4.20
930	6Y278	KANGA	1	1	3		1	1	8.2	13		30.8	3725	1.1	1.46			10.58	2105	41	2		4.06
931	6Y279	KANGA	1	1	3		1	1	9.3	10		34.7	3218	2.2	1.61			11.17	2327	45	2		4.18
932	6Y280	KANGA	1	1	3		1	1	9.9	8		45.6	3754	1.4	1.32			8.40	2118	35	3		3.97
933	6Y281	KANGA	1	1	3		1	1	11.1	13		36.3	3999	1.8	0.35			10.80	1563	39	1		4.20
934	6Y282	KANGA	1	1	3		1	1	9.2	12		22.6	3617	2.9	1.42			11.25	2070	44	2		4.13
935	6Y283	KANGA	1	1	3		1	1	10.1	12		28.4	3815	1.5	1.48			9.05	1621	34	1		4.24
936	6Y284	KANGA	1	1	3		1	1	9.4	9		37.1	3874	0.7	1.26			9.82	2573	28	1		4.40
937	6Y285	KANGA	1	1	3		1	1	10.3	8		18.3	3851	0.2	1.61			7.12	3356	24	2		3.95
938	6Y286	KANGA	1	1	3		1	1	9.6	11		29.2	3494	0.7	1.06			12.72	3937	37	1		3.80
939	6Y287	KANGA	1	1	3		1	1	8.4	9		25.7	3010	1.4	0.93			10.33	3369	49	1		4.40
940	6Y288	KANGA	1	1	3		1	1	7.2	12		29.6	3256	1.1	1.42			9.10	3218	39	3		4.13
941	6Y289	KANGA	1	1	3		1	1	8.4	9		23.1	3246	1.0	1.79			6.49	3755	47	3		4.53
942	6Y290	KANGA	1	1	3		1	1	9.0	8		27.3	3278	1.6	1.89			10.33	2791	38	3		4.17
943	6Y291	KANGA	1	1	3		1	1	8.4	7		13.8	3497	1.3	1.25			8.49	3295	45	4		4.27
944	6Y292	KANGA	1	1	3		1	1	3.1	9		7.2	3151	0.8	0.99			8.91	2818	51	2		4.40
945	6Y293	KANGA	1	1	3		1	1	7.7	12		13.1	2900	1.7	1.27			7.30	2343	37	1		4.00
946	6Y294	KANGA	1	1	3		1	1	3.3	13		19.2	3254	1.4	1.41			9.21	2777	44	2		4.25
947	6Y295	KANGA	1	1	3		1	1	7.0	12		16.6	2850	2.5	1.13			7.09	2083	49	1		3.85
948	6Y296	KANGA	1	1	3		1	1	7.5	9		8.3	3057	1.9	1.33			8.56	2461	48	2		4.57
949	6Y297	KANGA	1	1	3		1	1	6.5	8		13.4	2771	2.3	1.62			8.35	3105	57	2		4.70
950	6Y298	KANGA	1	1	3		1	1	2.9	12		15.2	2858	3.1	0.76			8.45	3638	35	2		4.33
951	6Y299	KANGA	1	1	3		1	1	7.7	13		9.5	2907	2.6	1.03			10.64	2933	46	3		4.21
952	6Y300	KANGA	1	1	3		1	1	8.2	11		9.5	2316	1.6	1.32			9.34	2003	48	2		4.65

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OBS	NC	SECTOR	RS	RK	RK2	ALT	QCC	LCN	CO	CU	DY	EU	F	GA	GE	AU	HF	FE	LA	PB	LI	LU	MG	
953	6V301	KANGA	1	1	3		1	1	7.1	15		7.3	2664	2.0	1.01			10.01	2237	50	3		4.75	
954	6V302	KANGA	1	1	3		1	1	6.5	16		9.2	2750	2.3	1.67			9.76	1833	54	2		4.32	
955	6V303	KANGA	1	1	1		1	1	6.8	13		4.1	2602	2.2	1.71			8.37	2361	48	2		4.35	
956	6V304	KANGA	1	1	1		1	1	6.2	15		4.7	2811	1.6	1.35			6.11	1695	54	3		4.34	
957	6V305	KANGA	1	1	3		1	1	7.0	11		3.2	2994	1.3	1.10			8.48	2678	48	4		4.45	
958	6V306	KANGA	1	1	3		1	1	7.9	10		9.4	3352	1.6	1.19			5.92	3539	42	3		5.68	
959	6V307	KANGA	1	1	3		1	1	7.4	8		5.5	2778	1.2	1.43	3		8.46	4118	27	4		4.03	
960	6V308	KANGA	1	1	3		1	1	7.7	11		7.6	2972	4.5	0.43	4		10.09	3273	33	4		3.61	
961	6V309	KANGA	1	1	3		1	1	7.8	7		22.1	2185	4.7	0.59			6.43	5670	57	4		4.16	
962	6V310	KANGA	1	1	3		1	1	7.5	9		15.6	1678	0.7	0.19			5.23	6531	52	4		3.95	
963	6V311	KANGA	1	1	1		1	1	5.2	9		21.4	1544	0.6	0.17			6.50	6884	56	6		3.78	
964	6V312	KANGA	1	1	1		1	1	6.3	11		14.5	2803	1.3	0.46			7.61	4193	51	4		3.50	
965	6V313	KANGA	1	1	3		1	1	5.3	9		18.7	2373	3.9	0.57			7.19	5186	58	3		3.94	
966	6V314	KANGA	1	1	3		1	1	6.1	9		20.3	2115	1.6	0.67			6.37	4829	49	2		4.00	
967	6V315	KANGA	1	1	3		1	1	5.8	11		11.4	2654	1.3	0.35			6.73	4471	35	4		3.63	
968	6V316	KANGA	1	1	3		1	1	6.6	6		10.3	2930	4.4	0.43			7.33	4318	23	3		3.50	
969	6V317	KANGA	1	1	3		1	1	7.2	13		24.4	2143	6.8	1.02			7.67	5195	55	5		3.59	
970	6V318	KANGA	1	1	3		1	1	9.4	6		12.1	876	3.6	1.11			5.97	4083	41	3		4.05	
971	6V319	KANGA	1	1	3		1	1	8.9	7		11.4	760	4.6	0.94			10.57	3729	37	2		3.85	
972	6V320	KANGA	1	1	3		1	1	10.2	10		8.6	843	4.0	1.09			8.39	3318	46	2		4.30	
973	6V321	KANGA	1	1	3		1	1	9.7	7		12.2	574	5.1	1.27			7.86	4252	39	2		4.42	
974	6V322	KANGA	1	1	3		1	1	8.9	10		10.6	867	3.6	1.15			7.98	3934	36	3		3.92	
975	6V323	KANGA	1	1	3		1	1	9.6	7		14.3	974	4.1	0.79			6.17	3627	42	3		4.12	
976	6V324	KANGA	1	1	3		1	1	12.1	8		30.5	3359	7.5	0.48	1		12.09	4568	49	1		0.32	
977	6V325	KANGA	1	1	3		1	1	10.9	11		23.7	3242	4.9	0.67			7.21	2885	35	3		3.52	
978	6V326	KANGA	1	1	3		1	1	13.2	9		18.1	3678	4.3	1.04			9.81	3403	44	2		3.27	
979	6V327	KANGA	1	1	3		1	1	9.6	12		23.2	3505	4.5	0.84			7.37	2115	40	3		3.50	
980	6V328	KANGA	1	1	3		1	1	14.2	13		15.7	4211	3.1	0.77			9.64	3056	53	3		3.08	
981	6V329	KANGA	1	1	3		1	1	12.2	10		13.4	3724	4.3	1.18			8.79	2518	48	5		2.93	
982	6V330	KANGA	1	1	3		1	1	9.6	11		16.3	4135	3.3	1.31			9.49	2927	32	2		3.22	
983	6V331	KANGA	1	1	3		1	1	11.7	13		25.3	5332	3.8	2.08			9.76	3105	44	3		3.17	
984	6V332	KANGA	1	1	3		1	1	13.1	14		28.3	3137	4.1	1.91			12.16	2830	49	3		3.85	
985	6V333	KANGA	1	1	3		1	1	10.9	13		25.6	3778	4.0	1.70			8.53	3109	53	4		4.08	
986	6V334	KANGA	1	1	3		1	1	9.8	16		19.2	2786	3.3	1.59			9.94	2861	50	3		3.60	
987	6V335	KANGA	1	1	3		1	1	14.3	13		22.1	3076	3.2	1.59			10.17	1675	54	2		3.72	
988	6V336	KANGA	1	1	3		1	1	11.1	12		26.5	2419	5.9	1.87			9.71	2001	43	4		3.60	
989	6V337	KANGA	1	1	3		1	1	18.2	23		31.1	3414	3.6	1.63			10.00	5239	52	1		2.33	
990	6V338	KANGA	1	1	3		1	1	12.1	18		14.7	3451	4.3	1.63			6.11	2110	35	2		3.56	
991	6V339	KAPIR	1	3			3	1	9.2	78		9.6	2325	2.6	1.17			5.62	227	35	1		4.52	
992	6V340	KAPIR	1	3			3	1	18.1	100		11.2	2700	2.6	1.52			7.71	493	41	4		4.93	
993	6V341	KAPIR	1	3			3	1	12.2	83		12.6	2501	3.7	1.84			9.52	178	32	2		4.90	
994	6V342	KAPIR	1	1			1	1	14.6	17		15.5	2250	3.5	1.61			10.83	1161	41	4		3.13	
995	6V343	KAPIR	1	2			1	1	9.7	67		10.3	995	4.5	1.56			8.42	147	34	15		1.15	
996	6V344	KAPIR	1	2			1	1	13.0	15		7.2	2340	3.9	1.01			8.39	1193	29	5		3.02	
997	6V345	KAPIR	1	2			1	1	17.7	14		5.6	1815	2.9	1.29			8.61	931	38	5		3.50	
998	6V346	KAPIR	1	2			1	1	34.4	71		7.4	1032	6.7	3.10			9.95	135	33	21		1.62	
999	6V347	KAPIR	1	2			1	1	48.3	78		9.3	1616	3.7	2.91	8		11.88	173	22	5		0.50	
1000	6V348	NSALA	1	3			1	1	12.1	75		9.5	1451	3.3	2.00	5		7.40	315	18	4		3.72	
1001	6V349	NSALA	1	3			1	1	9.4	71		8.6	2457	5.5	2.07			5.96	1085	42	5		4.52	
1002	6V350	NSALA	1	3			1	1	15.4	19		13.3	1564	3.8	1.63			6.80	129	88	53		1.11	
1003	6V351	NSALA	1	3			1	1	21.7	48		11.2	2217	4.9	1.63			6.39	346	69	35		1.07	
1004	6V352	NSALA	1	3			1	1	6.6	35		16.8	1955	6.0	1.48			7.40	283	35	15		4.52	
1005	6V353	NSALA	1	3			1	1	5.1	26		20.6	2234	5.4	1.72			4.18	493	51	13		3.55	
1006	6V354	NSALA	1	3			1	1	3.7	20		6.2	1609	4.5	1.32			4.51	324	51	10		3.80	
1007	6V355	NSALA	1	3			1	1	4.4	26		3.6	2110	7.1	1.56			2.57	501	46	9		3.08	
1008	6V356	NSALA	1	2			1	1	2.7	23		1.5	1123	8.3	1.23				99	99	55	13		0.46

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

DBS	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

OBS	NO	SECTOR	RS	RK	RK2	ALT	QCC	LCN	MN	HG	MO	ND	NI	NB	P	K	RB	SM	SC	SE	SI	AG
1	6H001	TUNDU	1	1	2		4	2	3481	522	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	67.8		4	0.22	
4	6H004	TUNDU	1	1	2		1	1	5610	196	1	687	2.2	31	3157	0.06		77.7			0.16	
5	6H005	TUNDU	1	1	2		1	1	2581	288	4	2628	2.6	49	1019	0.02		436.6			0.07	
6	6H006	TUNDU	1	1	2		1	1	2084	216	34	5166	5.4	47	353	0.23	3	407.1	3		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			9.39	
9	6H009	TUNDU	1	1	2		4	1	16509	562	46	717	6.1	416	16656	0.30	3	125.6		1	5.46	
10	6H010	TUNDU	1	1	2		4	1	28415	188	11	2952	4.6	80	11790	0.29	4	247.9	2		2.08	
11	6H011	TUNDU	1	1	2		1	2	33828	232	131	1993	4.1	79	1009	0.09	2	239.2	3		0.48	
12	6H012	TUNDU	1	1	2		1	1	14765	394	38	653	4.2	584	9595	6.10	275	110.2			13.68	0.11
13	6H013	TUNDU	1	1	2		1	2	1816	181	69	364	2.8	275	675	1.51	45	84.3	1		3.48	
14	6H014	TUNDU	1	1	2		1	2	10409	233	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	630	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	2		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	18184	0.73	29	101.9	3		3.39	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	8530	226	7	1091	5.1	25	56	0.02		138.1			0.15	
21	6H021	NKALO	1	1	1		3	2	5093	103	5		1.8	17	239	0.04		0.4	1		0.70	0.11
22	6H022	NKALO	1	1	1		3	2	5189	105		31	2.8	21	50	0.05				2.18		
23	6H023	NKALO	1	1	1		3	2	11696	82	3		1.0	52	7486	0.16	8	72.1	2	1	1.58	0.13
24	6H024	NKALO	1	1	1		3	1	8777	162	2	51	1.7	26	5544	0.22	9	78.1	2	1	1.45	
25	6H025	NKALO	1	1	1		3	2	8305	92	3	143	1.3	40	21447	0.32	17	69.6	1	1	2.06	0.20
26	6H026	NKALO	1	1	1		3	2	12116	110	20	21	1.9	16	3371	0.25	7	79.4			5.02	0.20
27	6H027	NKALO	1	2	1		4	2	11951	176	20	19	5.6	203	5258	6.04	328	31.5	4	1	21.22	
28	6H028	NKALO	1	2	1		4	2	1106	452	196	19	5.6	158	2142	7.56	321	1.0	13	1	22.79	
29	6H029	NKALO	1	2	1		4	1	5972	443	54	56	5.5	160	2640	7.26	551	33.1	3		23.43	
30	6H030	NKALO	1	2	1		4	1	1954	142	19	71	6.2	159	1139	9.49	730	19.2	4		23.43	
31	6H031	NKALO	1	2	1		4	1	960	140	41	41	13.8	98	3132	5.81	402	1.4	3		25.66	0.27
32	6H032	NKALO	1	1	1		3	2	17203	626	6	146	10.3	90	78014	5.67	342	311.3	1	1	8.77	0.23
33	6H033	NKALO	1	1	1		3	1	18957	101	4	88	1.6	52	364	0.14	5	148.2		1	0.79	0.15
34	6H034	NKALO	1	1	1		3	2	10188	123	3	180	3.0	235	5016	0.43	26	50.0		1	1.72	0.14
35	6H035	NKALO	1	1	1		3	2	8542	168	10	235	4.9	322	8060	0.35	26	54.0		1	2.69	0.24
36	6H036	NKALO	1	1	1		3	1	4559	136		188	8.3	480	6340	6.16	485	21.2		1	24.17	0.13
37	6H037	NKALO	1	1	1		3	2	26148	111	3	274	2.0	163	2740	0.26	11	125.1	2	1	1.69	0.31
38	6H038	NKALO	1	1	1		3	2	11623	106		350	1.1	7	255	0.04		62.3		1	0.43	0.15
39	6H039	NKALO	1	1	1		3	2	21622	135		282	1.9	35	1274	0.18	5	116.3		1	0.74	0.85
40	6H040	NKALO	1	1	1		3	2	25843	355		252	1.5	280	3501	0.20	6	138.8	2	1	1.10	0.36
41	6H041	NKALO	1	1	1		3	2	7329	761	23	415	0.7	3	3102	0.06		36.4		10	0.31	0.18
42	6H042	NKALO	1	1	1		3	2	7098	183	10	171	6.5	13	6552	9.44	759	16.5	1	3	24.08	0.15
43	6H043	NKALO	1	1	1		3	2	8608	103	15	270	1.4	7	4002	0.04		78.1	1	4	0.82	
44	6H044	NKALO	1	1	1		3	1	12755	191	17	480	1.3	30	3058	0.05		89.3	2		0.83	
45	6H045	NKALO	1	1	1		3	1	10109	320	8	532	1.4	24	4532	0.04		64.3			0.6	
46	6H046	NKALO	1	1	1		3	2	8097	254	31	433	1.3	18	3155	0.02		91.2			0.83	
47	6H047	NKALO	1	1	1		3	2	10118	111	40	509	1.5	38	3560	0.03		120.1			1.11	
48	6H048	NKALO	1	1	1		3	1	5943	85	20	275	1.2	57	4003	0.03		80.4		6	0.14	
49	6H049	NKALO	1	1	1		3	2	12115	326	11	382	0.9	59	3153	0.01		99.3	3	4	0.83	
50	6H050	NKALO	1	1	1		3	2	12337	556	10	540	0.8	4	4421	0.04		78.9			0.6	
51	6H051	NKALO	1	1	1		3	1	10885	411	8	521	2.0	2	3372	0.05		55.5		1	0.82	
52	6H052	NKALO	1	1	1		3	2	16549	136	7	461	1.7	48	5137	0.02		107.8			3.80	
53	6H053	NKALO	1	1	1		3	2	16258	716	5	542	9.4	31	7668	0.04		32.4			19.20	
54	6H054	NKALO	1	1	1		3	2	24728	546	4	1252	5.5	30	2503	0.19		97.6			1.51	0.64
55	6H055	NKALO	1	1	1		3	2	16411	328	2	481	2.5	10	4055	0.14		29.7			1.19	0.33
56	6H056	NKALO	1	1	1		3	2	15890	658		698	3.5	7	5105	0.55	22	89.9	1	18	1.55	0.54

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
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		2.15	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	12137	1072	2	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	6155	0.01		12.1	2		14.44	0.25
65	6H065	NKALO	1	1			3	2	22091	911	1	345	3.2	16	3905	0.02		59.8	4		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	1289	1091	5	475	18.2	4	1553	1.83		62.5	1		22.70	0.21
68	6H068	NKALO	1	2			4	2	1184	1226		689	14.9	21	3303	1.58	81	4.9			24.45	0.21
69	6H069	SALAM	1	2			4	2	72	864	1	11	17.3	8	4035	1.73	8	6.2			33.93	0.18
70	6H070	SALAM	1	2			4	2	92	755	17		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			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	863	3	5	8.3	12	3003	3.14	18	2.1			28.86	
75	6H075	SALAM	1	2			4	2	493	1216	4	27	11.0	18	4125	3.55	16				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	5122	9.14	98	14.2	4		24.24	0.19
78	6H078	SALAM	1	2			4	2	1829	865	1	261	9.6	38	5983	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	5.5	4		23.64	0.17
80	6H080	SALAM	1	2			4	1	9379	758	14	92	1.8	80	4531	0.14	67	21.6	9	1	25.25	0.14
81	6H081	SALAM	1	2			4	1	4490	106	3	240	9.7	310	5505	8.79	667	18.6	7	2	44.96	0.08
82	6H082	SALAM	1	2			4	1	5	133	5	351	24.2	82	532	0.10		8.9	10		30.49	0.04
83	6H083	SALAM	1	2			4	2	56	165	15	205	10.8	157	6998	5.28	314	45.4			24.54	0.18
84	6H084	SALAM	1	2			4	2	6833	175	25	12	18.0	23	5311	9.71	722	8.9	2		23.10	0.06
85	6H085	SALAM	1	2			4	1	6333	656	32	75	14.7	87	6632	8.60	659	13.9	1		24.01	0.12
86	6H086	SALAM	1	2			4	1	6676	115	32	8	15.9	95	5002	8.85	678	19.9	4	1	30.04	0.08
87	6H087	SALAM	1	2			4	1	29	91	14		16.0	70	4531	1.53	35				24.37	0.02
88	6H088	SALAM	1	2			4	2	4656	184	11	87	10.0	76	5113	7.96	678	31.6	10		22.72	
89	6H089	SALAM	1	3			3	3	2642	566	6	125	5.5	82	8102	3.86	624	12.4	2		23.75	
90	6H090	CHIPA	1	2			5	2	3889	215		322	8.0	224	6933	6.10	588	17.3	6		21.91	0.16
91	6H091	CHIPA	1	2			5	1	7824	177	10	306	25.5	197	6273	5.34	505	29.9	13		23.34	0.20
92	6H092	CHIPA	1	2			5	1	1322	182	8	168	7.1	102	5582	4.97	457	35.1	6		24.10	0.04
93	6H093	CHIPA	1	2			5	1	3553	188	8	6	13.5	70	4667	4.85	529	2.2	2		24.80	0.12
94	6H094	CHIPA	1	2			5	2	1130	191	5		3.8	53	5025	5.59	590	7.7			24.04	0.10
95	6H095	CHIPA	1	2			5	2	4409	105	5		9.4	112	6123	8.98	768	47.4	9		22.58	0.18
96	6H096	CHIPA	1	2			5	2	4142	186	3	89	17.7	107	5550	7.42	715	17.1	2		21.78	0.08
97	6H097	CHIPA	1	2			5	1	10137	486	15	176	22.7	116	6488	5.53	440	15.2	4		25.06	0.04
98	6H098	CHIPA	1	2			5	1	856	227	11	113	6.6	70	5532	9.24	735	37.1			24.38	0.12
99	6H099	CHIPA	1	2			5	1	3860	136	10	82	18.6	91	6035	5.87	469	6.9	2	1	22.73	0.04
100	6H100	CHIPA	1	2			5	1	3591	168	17	156	10.8	118	3027	8.07	695	2.1	5		25.90	0.12
101	6H101	CHIPA	1	2			5	2	787	165	6	72	8.7	80	4075	6.59	280	0.8	2		24.57	0.16
102	6H102	MIKOM	1	2			5	2	3994	226	11	49	9.7	98	5133	4.54	291	3.1	2		31.86	0.20
103	6H103	MIKOM	1	2			5	2	61	365	5	80	15.5	17	4004	2.88	304	9.4	3		31.75	0.08
104	6H104	MIKOM	1	2			5	1	47	105	2	41	13.3	30	5113	3.48	300	7.4	1		32.48	0.04
105	6H105	MIKOM	1	2			5	1	5	206	4	61	13.9	11	3587	3.15	307				27.83	0.08
106	6H106	MIKOM	1	2			5	1	696	218	15	101	8.7	81	4722	1.67	274	1.9	2	1	29.31	0.12
107	6H107	MIKOM	1	2			5	2	387	601	15	106	37.6	14	4025	1.83	265	2.1	2		24.84	0.04
108	6H108	MIKOM	1	2			5	2	390	216	10	98	6.9	26	3100	4.09	256	8.4	5	1	25.87	0.12
109	6H109	MIKOM	1	2			5	1	435	221	7	57	4.3	98	213	4.84	260	6.4	3	1	24.85	0.09
110	6H110	MIKOM	1	2			5	1	443	137	2	51	4.3	90	1027	3.76	250	5.6	3		25.01	0.16
111	6H111	MIKOM	1	2			5	1	1014	226	4	30	10.1	161	2098	6.14	255				32.36	
112	6H112	MIKOM	1	2			5	2	70	767		25	8.4	7	2100	3.10	284					0.10

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
113	6H113	CHILW	1	1			1	1	3429	105	3	28	2.1	6	3153	0.06	8	1.4	6	1	0.31	0.20
114	6H114	CHILW	1	1			1	2	7535	215	5	71	2.5	29	4132	0.31	15	3.4	1		1.42	0.08
115	6H115	CHILW	1	1			1	1	25843	206	29	5	1.0	20	3002	0.01	12	3.4	3		1.25	0.12
116	6H116	CHILW	1	1			1	1	1496	224	18	9	11.4	36	2958	3.00	23	8.7	4		2.89	0.16
117	6H117	CHILW	1	1			1	1	2937	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	1		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	2	3085	115	3	111	2.3	105	1113	0.10	7	6.6	3		0.81	0.16
121	6H121	CHILW	1	2			4	2	214	726	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	1355	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	2677	906	4	11	2.0	19	3987	0.10	92	12.3	1		1.15	
125	6H125	CHILW	1	1			1	1	3607	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	3153	0.08	36	11.7	6		1.45	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		1.36	0.32
129	6H129	CHILW	1	1			1	1	3131	786	3	120	0.9	57	8117	0.22	15	61.7	1		0.99	0.60
130	6H130	CHILW	1	1			1	1	2610	827	2	102	0.7	2	9932	0.09	12		2		0.82	0.24
131	6H131	CHILW	1	1			1	1	3611	770	4	92	1.3	60	9037	0.09	12				0.96	0.32
132	6H132	CHILW	1	1			1	1	1831	626	8	151	1.0	71	8113	0.18	16	6.1			1.09	0.28
133	6H133	CHILW	1	1			1	1	8153	865	15	46	3.2	18	10150	0.20	27	23.1			2.41	0.40
134	6H134	CHILW	1	1			1	1	5284	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	3985	615	25	276	4.9	27	17880	0.14	18	46.3	1		1.80	0.45
137	6H137	CHILW	1	1			1	1	5382	501	31	231	2.5	524	9105	0.10	14	44.9	3		1.40	0.28
138	6H138	CHILW	1	1			1	1	2759	496	30	282	2.5	22	15980	0.15	16	58.8	1		1.47	0.49
139	6H139	CHILW	1	1			1	1	6663	627	13	522	9.1	86	20882	0.13	6	62.4	1		0.46	0.49
140	6H140	CHILW	1	1			1	1	3605	701	12	488	0.4	125	9911	0.10	7	59.4	1		0.54	0.16
141	6H141	CHILW	1	1			1	1	7682	43	11	576	2.5	192	13582	0.11	6	67.7	4		0.29	
142	6H142	CHILW	1	1			1	2	2687	71	23	742	2.5	222	9152	0.15	11	51.6	3		0.47	0.04
143	6H143	CHILW	1	1			1	2	4291	22	25	471	3.9	61	10035	0.20	13	49.4	4		1.48	
144	6H144	CHILW	1	1			1	1	5470	96	20	540	2.6	109	1793	0.30	9	4.5	1		0.68	0.20
145	6H145	CHILW	1	1			1	1	4466	75	19	601	1.6	59	15003	0.09	4	16.1	1		0.22	0.12
146	6H146	CHILW	1	1			1	1	3286	221	79	551	1.9	77	6112	0.15	11	0.3	4		0.89	
147	6H147	CHILW	1	1			1	1	4237	136	51	829	5.9	39	3512	0.12	13	11.3	6		0.96	0.12
148	6H148	CHILW	1	1			1	2	48640	209	116	457	5.0	16	280	0.04	6	23.3	9		0.76	
149	6H149	CHILW	1	1			1	1	34952	155	58	1421	10.7	12	6922	0.07	5	8.0	2		7.20	0.08
150	6H150	CHILW	1	1			1	2	3121	92	16	342	1.9	665	3983	0.18	8	29.4			0.90	0.12
151	6H151	CHILW	1	1			1	2	64363	206	636	2477	13.6	80	5559	0.08		198.1			5.25	0.15
152	6H152	CHILW	1	1			1	1	13181	605	11	239	5.7	253	9805	0.46		95.4	6		2.08	
153	6H153	CHILW	1	1			1	1	6886	227	12	222	83.3	629	30279	3.67	205	17.6	5		9.25	0.03
154	6H154	CHILW	1	1			1	1	36919	151	216	949	8.6	27	507	0.02	7	71.7	7		0.35	
155	6H155	CHILW	1	1			1	1	4129	326	163	335	4.7	198	4193	0.05	7		3		0.64	0.02
156	6H156	CHILW	1	1			1	1	4119	116	170	311	4.0	301	2732	0.02		62.9	4		0.55	
157	6H157	CHILW	1	1			1	1	18259	474	110	422	3.7	346	815	0.27		8.4	3		0.22	0.12
158	6H158	CHILW	1	1			1	1	25766	86	115	561	5.1	241	610	0.27	9	12.2	2		1.40	0.04
159	6H159	CHILW	1	1			1	1	16743	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	3055	0.30	3	1.1	1		1.22	0.16
161	6H161	CHILW	1	1			1	1	56526	258	507	168	13.9	52	2511	0.10	6	102.3	2		1.44	0.33
162	6H162	CHILW	1	1			1	1	27361	272	395	251	11.2	96	1573	0.15	25	40.1	3		4.58	0.16
163	6H163	CHILW	1	1			1	1	39342	405	380	1803	7.4	49	3035	0.17		74.3	1		0.36	
164	6H164	CHILW	1	1			1	1	31267	652	399	1712	14.2	210	8500	0.10	8	52.6	4		1.51	0.04
165	6H165	CHILW	1	1			1	1	22424	306	280	1125	17.5	67	1987	0.20	42	81.9	2		6.63	0.08
166	6H166	CHILW	1	1			1	1	27973	276	59	1509	14.1	297	2644	0.07	54	177.4	6		9.35	
167	6H167	CHILW	1	1			1	1	19521	406	43	551	13.2	29	2030	0.22	16	18.7	8		2.00	0.04
168	6H168	CHILW	1	1			1	1	27395	175	21	1002	8.1	79	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	14944	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	247	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	355	24	767	40.7	182	3299	0.14		89.90	16		4.86	0.21
174	6H174	CHILW	1	1	1		1	1	11693	138	28	725	34.6	128	5988	0.37		141.40	14		7.73	0.08
175	6H175	CHILW	1	1	1		1	1	11337	326	84	926	133.1	593	19187	0.84		44.20	18		0.74	
176	6H176	CHILW	1	1	3		1	2	12142	307	35	1272	7.7	294	245	0.06		53.10	10		0.38	0.33
177	6H177	CHILW	1	1	3		1	2	2691	311	30	462	2.5	120	8023	0.05		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	98	21120	0.01		10.20	2		0.81	
180	6H180	CHILW	1	1	3		1	1	5588	248	26	668	2.1	796	765	0.20		22.20	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	2	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	15.6	93	8992	0.40		57.40	3		1.12	0.31
187	6H187	CHILW	1	1	3		1	1	4683	109	9	422	6.6	182	373	0.07		38.60	8		0.23	0.26
188	6H188	CHILW	1	1	3		1	1	683	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		32.40	8		0.28	0.26
190	6H190	CHILW	1	2	3		4	1	2394	104		423	7.6	595	445	0.12		50.00	14		9.12	0.28
191	6H191	CHILW	1	2	3		4	1	5594	87		511	4.1	820	91	0.03		42.10	13		0.55	0.26
192	6H192	CHILW	1	2	3		4	1	16269	82		72	6.9	176	3618	4.85	108	37.20	6		2.91	0.25
193	6H193	CHILW	1	1	3		1	1	3932	99	3	133	6.0	382	387	0.09		11.90	11		0.52	0.27
194	6H194	CHILW	1	1	3		1	1	2481	91	2	151	9.3	251	435	0.05		20.60	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	3		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	3		1	1	3237	82	13	162	9.6	364	8250	5.50	153	2.10	1		16.48	0.26
198	6H198	CHILW	1	2	3		1	2	7002	93		277	11.1	813	21033	7.26	312	26.40	4		18.44	0.23
199	6H199	CHIKA	1	2	3		4	2	117	71	9	45	9.0	250	650	0.20	94	1.20	5		36.20	0.10
200	6H200	CHIKA	1	2	3		4	1	762	92	10	54	14.1	166	715	0.11	63	0.08	7		38.94	
201	6H201	CHIKA	1	2	3		4	2	331	79	10	34	19.4	112	645	0.20		0.40	6		37.29	
202	6H202	CHIKA	1	2	3		4	2	343	71	11	64	7.3	95	720	0.29	152	0.20	3		35.38	
203	6H203	CHIKA	1	2	3		4	1	321	64	8	34	9.6	73	712	1.50	164	1.20	7		36.47	0.02
204	6H204	CHIKA	1	2	3		4	2	263	82	4	26	8.5	98	790	1.16	93	2.40	3		34.46	0.03
205	6H205	CHIKA	1	2	3		4	2	522	64	7	35	9.1	126	765	2.07	151	1.90	2		34.50	
206	6H206	CHIKA	1	2	3		4	1	131	72	9	29	13.8	72	837	2.95	71	2.40	1		33.45	
207	6H207	CHIKA	1	2	3		4	2	151	83	6	46	7.0	108	905	3.48	89	2.70	1		32.78	0.02
208	6H208	CHIKA	1	2	3		4	2	305	39	7	51	8.1	97	860	3.95	95				33.21	
209	6H209	CHIKA	1	2	3		4	1	664	51	3	22	9.6	129	955	3.92	149				32.64	
210	6H210	CHIKA	1	2	3		4	2	572	44		60	7.5	117	931	4.45	178	0.40			32.18	0.03
211	6H211	CHIKA	1	2	3		4	2	2998	49		45	8.4	165	1877	4.88	326				31.52	
212	6H212	CHIKA	1	2	3		4	1	562	31		24	6.4	109	854	4.57	181				36.13	
213	6H213	CHIKA	1	2	3		4	2	852	28	1	46	7.3	127	68	1.73	93				33.82	
214	6H214	CHIKA	1	2	3		4	2	642	29		31	6.1	56	391	0.07					39.69	
215	6H215	MONGO	1	2	3		4	1	283	32		32	6.0	42	460	0.09					32.78	
216	6H216	MONGO	1	2	3		4	2	2603	21		20	4.1	35	305	1.20	115				30.50	
217	6H217	MONGO	1	2	3		4	2	2991	32		34	5.0	31	265	1.33	70	0.40			29.76	
218	6H218	MONGO	1	2	3		4	2	3102	21		22	3.2	27	172	1.08	66	0.20			28.68	0.01
219	6H219	MONGO	1	2	3		4	1	2587	29		25	4.5	231	1.30	44					30.00	
220	6H220	MONGO	1	2	3		4	2	2077	18		34	3.1	46	200	1.29	83	3.10			28.21	
221	6H221	MONGO	1	2	3		4	2	450	17		27	3.0	40	208	1.49	120				31.96	
222	6H222	MONGO	1	2	3		4	1	2517	79		40	3.6	62	1150	5.70	290	2.40			28.40	0.13
223	6H223	MONGO	1	2	3		4	1	3165	113		26	2.8	80	987	4.98	221				27.83	0.50
224	6H224	MONGO	1	2	3		4	2	2224	139		54	2.5	98	932	5.39	298	0.40			26.33	0.41

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	OC	LCN	MN	HG	MO	NO	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	1	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				31.79		
234	6H234	CHAUM	1	2			4	1	1288	19	2	53	89.2	101	128	1.67	50		32		33.08	0.14	
235	6H235	CHAUM	1	2			4	2	664	8	1	25	85.6	102	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			26.16	0.13	
237	6H237	CHAUM	1	2			4	2	1527		4	29	79.9	129	330	1.93	79		34		28.64	0.14	
238	6H238	CHAUM	1	2			4	2	1739		1	20	72.2	147	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	3	326	2.07	82		26		30.65	0.14	
241	6H241	ACHIR	1	2			4	2	59	32		10	15.4	3	73	1.78	139				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	1	61	79	1	9	9.0	3	354	3.97	285	0.4	1		32.51	0.14	
244	6H244	ACHIR	1	2			4	2	72	19	2	3	7.7	8	58	3.77	95				31.73	0.01	
245	6H245	ACHIR	1	2			4	1	259		3	3	7.7		115	3.73	162				30.73		
246	6H246	ACHIR	1	2			4	2	66	8	5		8.5	1	52	3.96	150				30.86	0.02	
247	6H247	ACHIR	1	2			4	2	40	1			6.4	4	100	4.12	228	0.2	1		30.74		
248	6H248	ACHIR	1	2			4	2	152		2	2	7.5	3	131	3.85	74				30.16		
249	6H249	ACHIR	1	2			4	2	253				7.4		58	4.06	96				30.59		
250	6H250	ACHIR	1	2			4	1	221				9.3		37	3.80	250		1		30.00	0.02	
251	6H251	ACHIR	1	2			4	1	156				8.6		66	3.95	304		2		32.72		
252	6H252	ACHIR	1	2			4	2	179	11	1		8.3	1	72	4.07	198		1		31.37		
253	6H253	ACHIR	1	2			4	1	53		3	1	9.7		90	3.76	274	1.6	1		32.62	0.02	
254	6H254	ACHIR	1	2			4	2	398	28	2	15	9.0	4	582	2.05	3				29.68	0.05	
255	6H255	ACHIR	1	2			4	2	112		1	15	9.0		260	3.74	102				32.49		
256	6H256	ACHIR	1	2			4	1	99				8.1	2	215	3.87	246				32.23		
257	6H257	ACHIR	1	2			4	2	278	9	2	2	9.4	19	300	3.70	280		2		31.47	0.03	
258	6H258	ACHIR	1	2			4	2	112				9.4	2	354	3.77	187		1		31.94	0.02	
259	6H259	ACHIR	1	2			4	2	136	8	4	3	15.2	25	304	3.77	187				32.71	0.02	
260	6H260	ACHIR	1	2			4	2	47		2	3	20.1	14	355	3.83	82				32.89		
261	6H261	ACHIR	1	2			4	2	81				13.6	11	324	3.68	322		1		32.60		
262	6H262	ACHIR	1	2			4	1	25		6	2	9.7		355	3.50	131	2.8	1		32.54	0.02	
263	6H263	ACHIR	1	2			4	1	54				21.3	2	303	3.57	288	2.4	2		31.34	0.02	
264	6H264	ACHIR	1	2			4	2	13		1	5	9.7	1	306	3.72	274		2		33.13		
265	6H265	ACHIR	1	2			4	1	45				8.6	33	341	3.63	252		3		34.51		
266	6H266	KONGW	1	2			4	1	1923	9	3	39	20.1	2	8315	3.41	158	4.1	8		26.64		
267	6H267	KONGW	1	2			4	1	3749	28		64	20.5	15	8519	3.48	203		5		26.95		
268	6H268	KONGW	1	2			4	1	2014	49		77	16.4	295	9346	3.62	200	2.9	7		21.08	0.03	
269	6H269	KONGW	1	2			4	1	1787	67		83	34.2	45	9067	3.95	313	2.6	12		23.46		
270	6H270	KONGW	1	2			4	1	2191	89		89	32.7	161	12673	4.07	351	3.1	6	1	21.30		
271	6H271	KONGW	1	2			4	1	2065	77		51	19.7	160	9289	3.49	324	4.6	13	1	21.62		
272	6H272	KONGW	1	2			4	1	1908	58		26	16.4	52	9746	2.95	225	2.6	7		23.00	0.02	
273	6H273	KONGW	1	2			4	1	2020	72		47	19.3	1	9118	3.10	145	0.5	8		20.84	0.04	
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	949	48		17	8.5		550	2.05	311	1.3	1		29.72	0.10	
276	6H276	KONGW	1	2			4	1	2687	41		51	6.5	6	891	2.25	94	0.7	5		21.38	0.14	
277	6H277	KONGW	1	2			4	1	1098	57		62	7.2		935	2.27	82	2.1	6		26.77	0.08	
278	6H278	KONGW	1	2			4	1	112	29		69	6.7		884	2.26	85	1.1	5	1	31.70	0.14	
279	6H279	KONGW	1	2			4	2	3158	41		6	5.9	2	585	2.03	108				20.10	0.10	
280	6H280	KONGW	1	2			4	2															

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

DBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	MN	HG	MO	NO	NI	NB	P	K	RB	SM	SC	SE	SI	AG
281	6H281	CHIL0	1	3			1	1	57			7	6.8	1	80	2.94	300				32.52	0.18
282	6H282	CHIL0	1	3			1	1	28		1	2	7.4	1	131	2.25	183				32.62	0.16
283	6H283	CHIL0	1	2			4	1	117			1	7.7	1	195	2.20	171				31.37	0.18
284	6H284	CHIL0	1	3			1	1	153	9	2	3	7.2	1	137	2.40	284	2.4			30.60	0.10
285	6H285	CHIL0	1	3			1	1	45			1	8.4	1	82	2.82	253	1.7			28.77	0.10
286	6H286	CHIL0	1	3			3	1	30	31		6	44.5	2	949	2.10	116	2	4		24.86	0.54
287	6H287	CHIL0	1	3			1	1	684	8		2	38.2	13	734	1.64	33	0.8			4.89	0.04
288	6H288	CHIL0	1	3			1	1	102	29		2	33.9	11	136	2.76	87	0.4			31.84	0.04
289	6H289	CHIL0	1	3			1	1	102				6.3	19	182	3.77	235				28.74	0.04
290	6H290	CHIL0	1	3			1	1	2				6.8		173	4.03	338				32.93	
291	6H291	KAWAN	1	2			4	1	10				11.6		42	4.61	503				32.81	0.10
292	6H292	KAWAN	1	2			4	1	33				9.7	1	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	3	85	3.96	214				3.05	
295	6H295	KAWAN	1	3			1	1	60				9.0	2	50	4.18	274				0.54	
296	6H296	KAWAN	1	2			4	1	64			4	10.6	3	314	5.84	433				31.81	
297	6H297	LIPER	1	2			4	2	97				11.3	22	307	5.03	295	1.6			30.54	0.03
298	6H298	LIPER	1	2			4	1	33				9.2	24	384	5.68	428	2.2			30.66	0.01
299	6H299	LIPER	1	2			4	2	23	9	1		9.6	10	347	5.40	398				50.85	
300	6H300	LIPER	1	2			4	2	91	68	2		8.4	13	146	5.57	358	1.5			31.95	
301	6H301	LIPER	1	2			4	1	95	104			8.8	3	164	5.43	390				32.08	
302	6H302	LIPER	1	2			4	1	3497	38	1		7.3	54	925	2.40	83				30.90	0.12
303	6H303	LIPER	1	2			4	1	1829	51	2	6	7.8	33	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	47				25.67	0.28
305	6H305	NSENG	1	2			5	1	1097	83	1		11.3	24	384	5.68	428				30.02	0.20
306	6H306	NSENG	1	2			5	1	613	104			21.0	117	536	6.86	1487				28.80	1.39
307	6H307	NSENG	1	2			5	1	1417	91			32	12.9	45	565	6.05	53			28.34	0.34
308	6H308	NSENG	1	2			5	1	1070	87	1		39	43.2	93	978	2.80	103			29.91	0.14
309	6H309	NSENG	1	2			5	1	1070	102			44.5	98	1382	3.50	433				29.01	0.15
310	6H310	NSENG	1	3			1	1	471				7.7	19	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	1	298	0.58	11				2.00	0.15
314	6H314	NSENG	1	1			1	1	61				14.6		360	0.67	22	0.4			40.98	0.49
315	6H315	NSENG	1	1			1	1	226	81			8.9		425	0.25	84				13.64	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	1	2877	0.44					11.78	0.13
318	6M001	TUNDU	1	1			1	1	10836	410	107	3633	13.6	118	4235	0.12		338.4			1.39	0.06
319	6M002	TUNDU	1	1			1	1	5811	988	35	555	4.1	831	11150	0.35	10	242.1			5.75	0.03
320	6M003	TUNDU	1	1			1	1	7502	317	25	675	6.3	673	9502	0.27	13	331.3			4.15	
321	6M004	TUNDU	1	1			1	1	4454	548	30	776	4.5	779	7830	0.58	8	240.1			6.22	
322	6M005	TUNDU	1	1			1	1	11216	328	4	1391	8.7	4490	39350	1.07	20	199.4			7.82	
323	6M006	TUNDU	1	1			1	1	7415	310	25	449	31.5	496	4835	0.73	23	147.8			6.29	
324	6M007	TUNDU	1	1			1	1	8301	408	28	470	9.1	561	6532	0.32	25	126.7			7.58	0.12
325	6M008	TUNDU	1	1			1	1	18227	431	37	681	13.5	249	6758	0.58	11	138.6			0.88	0.05
326	6M009	TUNDU	1	1			1	1	10621	619	35	898	49.8	143	8890	0.29	20	51.4			6.40	0.08
327	6M010	TUNDU	1	1			1	1	35022	511	55	760	73.5	201	13690	0.50	10	107.3			2.34	0.35
328	6M011	TUNDU	1	1			1	1	15973	348	67	829	13.0	164	1848	1.23	43	69.3			4.00	
329	6M012	TUNDU	1	1			1	1	11107	342	40	545	18.7	133	3008	1.02	35	72.1			5.99	
330	6M013	TUNDU	1	1			1	1	11993	339	30	443	12.7	438	2550	1.58	11	38.6			0.68	0.02
331	6M014	TUNDU	1	1			1	1	11115	311	90	355	13.0	365	2870	1.10	100	35.4			14.71	
332	6M015	TUNDU	1	1			1	1	1021	188	120	402	62.0	428	2588	3.97	125	14.2			4.93	
333	6M016	TUNDU	1	1			1	1	4891	161	169	272	3.0	411	2762	5.08	252	16.1			5.07	0.03
334	6M017	TUNDU	1	1			1	1	6242	299	90	620	32.3	351	8058	3.37	76	49.1			4.33	
335	6M018	TUNDU	1	1			1	1	6363	346	80	415	21.5	382	7755	2.21	88	85.6			6.63	0.03
336	6M019	TUNDU	1	1			1	1	3242	454	90	663	29.4	356	4350	2.89	46	91.4			7.32	

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

DBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	MN	HG	MD	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	121.5	.	.	20.81	.
338	6M021	TUNDU	1	1	1	3	1	2	8158	372	52	1631	26.3	178	10520	0.56	10	325.1	.	.	9.70	0.03
339	6M022	MATOP	1	1	2	2	2	1	5766	296	35	170	5.3	319	13550	0.33	10	104.4	1	.	0.85	.
340	6M023	MATOP	1	1	2	2	2	2	5830	222	33	211	5.9	271	14370	0.47	13	104.9	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	.	1.64	0.06
342	6M025	MATOP	1	1	2	2	2	1	6423	401	20	598	6.3	311	15230	0.53	31	49.1	1	.	1.61	0.10
343	6M026	MATOP	1	2	2	2	2	1	6308	228	25	1170	7.6	380	14337	0.39	4	75.6	2	1	9.48	.
344	6M027	MATOP	1	1	2	2	2	1	7038	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	1	9750	619	10	325	7.0	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	11933	485	24	651	6.1	164	12780	1.23	65	60.9	1	.	0.79	0.08
348	6M031	MATOP	1	1	2	2	2	1	7632	181	18	554	9.3	191	16262	1.60	60	71.2	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	.	1.80	0.41
350	6M033	MATOP	1	1	2	2	2	1	14633	198	8	2205	6.2	469	430	0.33	46	130.0	1	1	0.37	0.30
351	6M034	MATOP	1	1	2	2	2	1	7739	201	2	970	5.6	620	273	0.15	23	169.0	1	.	1.60	0.10
352	6M035	SONGW	1	1	2	2	1	2	9189	180	3	1218	6.9	21	104	0.02	.	157.6	1	.	0.18	0.09
353	6M036	SONGW	1	1	2	2	1	1	10217	2629	15	2305	4.4	184	475	0.15	34	74.4	2	.	0.46	0.05
354	6M037	SONGW	1	1	2	2	1	2	8033	101	21	857	4.8	147	1183	0.31	10	90.1	2	.	0.97	0.06
355	6M038	SONGW	1	1	2	2	1	2	13681	299	18	465	8.4	105	7357	0.09	4	110.3	2	.	0.42	0.02
356	6M039	SONGW	1	1	2	2	1	2	11834	1768	20	370	5.5	164	5575	0.18	2	224.3	5	.	1.14	.
357	6M040	SONGW	1	1	2	2	1	2	5785	178	15	681	1.1	99	5830	0.10	16	191.2	3	.	0.34	.
358	6M041	SONGW	1	1	2	2	1	2	16326	165	21	3683	1.5	56	8570	0.02	.	436.4	6	.	0.07	.
359	6M042	SONGW	1	1	2	2	1	2	25540	221	23	890	1.3	69	4373	0.21	.	326.9	8	.	0.64	.
360	6M043	SONGW	1	1	2	2	1	2	25735	177	20	1200	2.3	55	5350	0.11	.	475.6	4	.	0.07	0.05
361	6M044	SONGW	1	1	2	2	1	2	14659	129	28	1560	1.8	96	6892	0.15	5	249.5	2	.	0.54	0.15
362	6M045	SONGW	1	1	2	2	1	2	17677	268	33	1015	1.4	218	5755	0.08	13	178.6	1	.	0.30	.
363	6M046	SONGW	1	1	2	2	1	2	11770	183	32	920	1.1	116	8025	0.35	12	227.1	3	.	0.50	0.10
364	6M047	SONGW	1	1	2	2	1	2	30175	185	20	852	1.2	369	5235	0.22	24	201.5	2	.	0.39	.
365	6M048	SONGW	1	1	2	2	1	2	11277	245	23	1201	5.5	413	3890	0.15	14	138.7	2	.	0.54	.
366	6M049	SONGW	1	1	2	2	1	2	9333	238	16	1005	2.1	490	5572	0.10	30	180.6	2	.	0.50	.
367	6M050	SONGW	1	1	2	2	1	2	11730	141	17	1610	1.9	599	4354	0.20	14	214.9	1	.	0.68	.
368	6M051	SONGW	1	1	2	2	1	2	9212	128	20	1355	1.5	756	2752	0.37	17	178.8	2	.	0.56	0.19
369	6M052	SONGW	1	1	2	2	1	2	14678	139	32	1927	3.0	749	6308	0.36	.	225.7	3	.	0.16	0.06
370	6M053	SONGW	1	1	2	2	1	2	15590	409	28	855	2.1	659	4370	0.30	7	279.1	6	.	2.51	0.03
371	6M054	SONGW	1	1	2	2	1	2	56517	200	24	1688	3.3	91	5757	0.35	.	130.0	5	.	1.03	0.08
372	6M055	SONGW	1	1	2	2	1	2	8867	179	13	1027	0.7	31	6027	0.03	43	96.6	2	.	2.16	.
373	6M056	SONGW	1	1	2	2	1	2	65612	182	231	3527	1.6	197	301	0.10	.	131.0	5	.	0.16	0.03
374	6M057	SONGW	1	1	2	2	1	2	41195	279	90	1812	0.9	319	1520	0.58	.	264.7	13	.	0.45	0.38
375	6M058	SONGW	1	1	2	2	1	2	72335	356	70	1698	5.1	455	753	0.92	.	142.4	7	.	1.45	0.30
376	6M059	SONGW	1	2	2	2	1	2	12191	518	35	515	6.3	961	2949	0.28	180	67.4	4	.	2.11	0.20
377	6M060	SONGW	1	1	2	2	1	2	7682	68	8	596	4.4	890	2222	3.04	616	64.3	2	.	5.80	0.32
378	6M061	SONGW	1	2	2	2	1	2	17885	558	114	835	3.0	499	1122	7.39	478	127.1	1	.	19.73	0.06
379	6M062	SONGW	1	1	2	2	1	2	10788	112	80	946	3.4	265	1157	1.93	53	203.4	1	.	16.99	0.23
380	6M063	SONGW	1	1	2	2	1	2	18459	128	75	678	3.0	341	1233	2.05	63	159.6	1	.	9.81	.
381	6M064	SONGW	1	2	2	2	1	2	59130	199	309	3732	1.6	291	1337	1.00	47	368.3	1	.	1.85	.
382	6M065	SONGW	1	1	2	2	1	2	28069	103	46	3490	0.8	193	9317	0.24	.	544.1	2	.	1.85	.
383	6M066	SONGW	1	1	2	2	1	2	19062	59	3	426	4.735	0.75	0.75	0.75	12	172.2	1	.	0.76	0.10
384	6M067	SONGW	1	1	2	2	1	2	9375	61	19	1204	1.2	599	5956	0.84	27	161.6	2	.	0.44	.
385	6M068	SONGW	1	1	2	2	1	2	13680	47	1	1522	0.8	451	2785	0.53	14	182.5	3	.	1.45	.
386	6M069	SONGW	1	1	2	2	1	2	13173	81	.	1821	0.4	343	2575	0.58	34	152.3	2	.	0.33	.
387	6M070	SONGW	1	1	2	2	1	2	11081	59	7	1548	2.1	481	3159	1.37	30	290.4	5	.	1.04	0.32
388	6M071	SONGW	1	1	2	2	1	2	11097	68	13	1076	1.2	544	3550	1.37	30	290.4	5	.	0.37	0.06
389	6M072	SONGW	1	1	2	2	1	2	42488	108	26	867	2.6	370	3859	0.74	45	167.2	2	.	0.67	0.12
390	6M073	SONGW	1	2	2	2	1	2	659	71	25	459	8.8	467	3637	2.05	7	153.1	1	.	27.70	.
391	6M074	NAMAN	1	2	2	2	1	2	2368	129	9	720	7.5	519	3990	2.87	79	32.1	1	.	24.81	.
392	6M075	NAMAN	1	1	2	2	1	2	2368	129	9	720	7.5	519	3990	2.87	79	32.1	1	.	24.81	.

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
393	6M076	NAMAN	1	2		3	5	2	912	108	20	553	8.2	190	3485	1.58	15	49.4	2		29.80	0.03
394	6M077	NAMAN	1	2		5	5	2	1069	89	29	474	8.3	390	2835	5.50	25	37.9	3		22.50	0.03
395	6M078	NAMAN	1	2		5	5	2	1415	118	33	846	6.4	402	3555	3.32			5		29.30	
396	6M079	NAMAN	1	2		5	5	2	1718	131	28	721	9.0	286	2710	2.89		12.8	3		25.77	0.09
397	6M080	NAMAN	1	2		5	5	1	1138	67	19	911	10.2	388	3573	1.87			5		23.01	
398	6M081	NAMAN	1	2		5	5	1	2019	82	2	95	9.3	355	1354	3.36	293	0.6	5		21.03	0.10
399	6M082	NAMAN	1	2		5	5	2	1640	79	4	215	9.4	371	2035	2.00	254	2.7	2		23.47	0.07
400	6M083	NAMAN	1	2		5	5	2	2250	99	3	111	17.7	222	2603	4.40	364	0.8	2		25.20	0.17
401	6M084	NAMAN	1	2		5	5	2	3047	91		146	12.5	159	1960	2.58	396	0.8	2		21.96	0.22
402	6M085	NAMAN	1	2		5	5	2	4653	111	11	612	5.1	303	768	3.03	63	8.6	3		16.87	0.06
403	6M086	NAMAN	1	2		5	5	2	2159	88	13	558	5.1	80	555	1.53	36		4		22.62	0.02
404	6M087	NAMAN	1	2		5	5	2	1831	108	12	742	6.6	102	835	2.38	51	13.4	4		22.62	0.02
405	6M088	NAMAN	1	2		5	5	2	3944	120	14	826	7.2	89	737	1.05	149	17.6	1		23.82	0.18
406	6M089	NAMAN	1	2		5	5	2	5262	78	17	647	6.8	161	520	1.95	68	31.8	2		22.54	0.36
407	6M090	NAMAN	1	2		5	5	1	4506	111	6	164	8.0	71	636	0.99	70	23.4	3		24.21	0.07
408	6M091	NAMAN	1	2		5	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		5	5	2	468	127	7	76	10.4	99	630	1.88		24.1	1		30.42	0.09
410	6M093	NAMAN	1	2		5	5	2	373	79	19	118	10.2	151	575	3.01	3	35.6	1		17.12	0.18
411	6M094	NAMAN	1	2		5	5	1	130	68	9	72	15.2	86	830	2.75		35.6	1		17.77	0.22
412	6M095	NAMAN	1	2		5	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		5	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		5	4	2	1541	139	22	472	7.0	80	385	2.00		44.2	2		17.58	0.32
415	6M098	TUNDU	1	2		5	4	1	318	132	19	365	6.2	88	637	3.55		32.1	2		15.52	0.37
416	6M099	TUNDU	1	2		5	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		5	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		5	4	1	4020	89	7	604	7.3	101	1487	3.02	131	52.8	2		20.01	0.65
419	6M102	TUNDU	1	2		5	4	2	282	132	21	1281	6.7	115	630	2.53		36.4	1		11.82	0.25
420	6M103	TUNDU	1	2		5	4	2	1063	77	14	440	7.6	142	850	1.78	16	47.2	2		10.49	0.31
421	6M104	TUNDU	1	2		5	4	1	10067	127	34	762	17.4	142	472	2.05	85	57.4	1		26.46	0.11
422	6M105	TUNDU	1	2		5	4	2	1593	91	27	501	18.1	79	789	1.55	47	31.5	2		29.33	0.07
423	6M106	TUNDU	1	2		5	4	2	4159	79	23	663	14.9	92	1055	1.52	13	35.8	2		28.03	0.17
424	6M107	TUNDU	1	2		5	4	2	723	91	16	376	13.0	105	484	2.73	16	22.1	1		27.71	0.25
425	6M108	TUNDU	1	2		5	4	2	1450	70	21	367	17.3	103	559	1.93	13	19.0	2		26.12	0.09
426	6M109	TUNDU	1	2		5	4	2	3570	102	9	131	9.5	162	686	2.55	69	26.0	1		25.88	0.31
427	6M110	TUNDU	1	2		5	4	2	1370	78	6	188	6.6	191	784	3.93	202	15.6	1		27.41	0.45
428	6M111	TUNDU	1	2		5	4	2	2722	89	4	155	5.8	89	785	2.22	95	53.2	4		25.72	0.40
429	6M112	TUNDU	1	2		5	4	2	5853	71	24	921	3.4	94	2053	2.79	4	11.5	2		6.91	0.20
430	6M113	TUNDU	1	2		5	4	2	2467	108	2	270	6.1	111	3055	1.86	22	6.2	3		23.67	0.05
431	6M114	TUNDU	1	2		5	4	2	2752	81	13	225	6.9	83	2750	3.33	14	2.1	2		28.03	0.09
432	6M115	TUNDU	1	2		5	3	3	4452	89	19	361	3.7	81	2327	1.93	49	17.0	5		12.30	0.33
433	6M116	TUNDU	1	2		5	4	2	5030	88	15	426	3.1	68	2535	2.55	69	9.0	4		13.13	0.35
434	6M117	TUNDU	1	2		5	4	2	2653	111	31	347	3.8	112	3378	1.05	32	4.0	8		14.00	0.20
435	6M118	TUNDU	1	2		5	4	2	3280	81	2	368	4.7	74	2550	2.88	86	14.2	7		15.61	0.08
436	6M119	TUNDU	1	2		5	4	2	2070	99		474	5.5	99	3890	2.53	131	10.1	8		15.21	1.33
437	6M120	TUNDU	1	2		5	4	2	1564	91	8	203	5.0	97	4513	3.06	163	21.0	10		15.21	1.33
438	6M121	TUNDU	1	2		5	4	2	8430	79	11	176	2.2	118	3777	2.53	53	82.4	6		7.64	0.72
439	6M122	TUNDU	1	2		5	4	2	2234	103	24	333	3.5	150	8853	1.05	62	45.3	7		14.10	0.51
440	6M123	TUNDU	1	2		5	4	2	4221	81	30	833	3.8	61	5933	1.98	77	167.7	8		11.80	0.27
441	6M124	TUNDU	1	2		5	4	2	3753	89	26	521	4.5	44	8735	2.02	13	141.6	5		9.71	0.40
442	6M125	TUNDU	1	2		5	4	2	9202	107	37	833	3.8	59	12830	1.78	63	95.5	5		8.15	0.17
443	6M126	TUNDU	1	2		5	4	2	416	82	18	746	4.6	92	8557	2.00	26	132.5	2		11.78	0.34
444	6M127	TUNDU	1	2		5	4	2	3324	109	14	941	3.6	80	13095	1.05	12	221.4	3		11.35	0.09
445	6M128	TUNDU	1	2		5	4	2	9957	89	11	1823	6.1	95	8250	1.87		173.1	2		16.17	0.27
446	6M130	CHILW	1	1		3	1	2	6711	112	13	1415	3.4	55	9954	0.54		152.3	1		8.52	0.12
447	6M131	CHILW	1	1		3	1	2	30779	98	508	4101	5.4	68	16889	0.03		328.4	1		0.78	0.48

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

DBS	NO	SECTOR	RS	RK	RK2	ALT	DCC	LCN	MN	HG	MD	NO	NI	NB	P	K	RB	SM	SC	SE	SI	AG
449	6M132	CHILW	1	1	3		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	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	2	11470	109	38	476	3.3	75	8388	0.05	6.0	183.3	1		1.55	0.27
452	6M135	CHILW	1	1	3		1	2	3352	131	4	745	1.2	89	12500	0.02	90.0	118.2	1		0.48	0.31
453	6M136	CHILW	1	1	3		1	1	7154	98	90	998	2.3	89	13824	0.15	44.0	62.8	2		2.80	0.18
454	6M137	CHILW	1	1	3		1	2	9372	128	3	655	1.1	58	10750	0.08	25.7	25.7	1		0.41	0.41
455	6M138	CHILW	1	1	3		1	2	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	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	2	4326	103	11	103	3.5	49	6737	0.05	26.0	36.0	1		3.32	0.34
458	6M141	CHILW	1	1	3		1	2	3192	88	2	285	1.6	61	4661	0.08	30.0	30.0	1		0.32	0.52
459	6M142	CHILW	1	1	3		1	1	54409	82	2	466	35.2	62	842	0.15	14.0	32.2	1		10.88	0.41
460	6M143	CHILW	1	1	3		1	1	12046	91	1	385	34.1	1911	1055	0.20	7.0	21.1	1		30.53	0.49
461	6M144	CHILW	1	1	3		1	2	12649	89	13	239	3.7	71	4053	0.08	4.0	13.5	1		0.93	0.21
462	6M145	CHILW	1	1	3		1	2	7844	87	8	605	5.2	38	1175	0.03	9.0	28.4	1		4.53	0.42
463	6M146	CHILW	1	1	3		1	2	7558	112	19	656	4.2	4292	1265	0.05	3.0	82.3	1		0.22	0.38
464	6M147	CHILW	1	1	4		1	2	66986	310	37	922	0.8	41	1072	0.02	171.2	1	1		0.26	0.20
465	6M148	CHILW	1	1	4		1	2	8834	108	24	1211	0.8	33	653	0.18	4.0	115.6	1		7.95	0.12
466	6M149	CHILW	1	1	4		1	2	42573	128	17	1557	4.2	35	952	0.20	4.0	109.5	1		2.58	0.23
467	6M150	CHILW	1	1	4		1	2	43575	116	22	1492	3.7	66	1250	0.15	12.0	81.4	1		2.02	0.60
468	6M151	CHILW	1	1	4		1	1	50990	375	31	2416	0.4	61	240	0.08	20.0	4	1		0.23	2.39
469	6M152	CHILW	1	1	4		1	1	68322	112	72	946	8.9	42	3355	0.07	30.0	447.1	1		2.26	0.90
470	6M153	CHILW	1	1	4		5	2	58681	185	482	6212	10.2	60	9043	0.04	17.0	375.7	1		9.90	0.10
471	6M154	CHILW	1	1	4		1	2	26123	117	114	1433	12.1	78	7725	0.15	17.0	375.7	1		6.72	0.22
472	6M155	CHILW	1	1	4		1	2	75521	321	62	4479	2.2	71	5572	0.20	68.0	413.5	1		0.96	0.60
473	6M156	CHILW	1	1	3		1	2	68155	140	53	3503	5.3	101	6890	0.32	4.0	118.1	1		1.21	0.07
474	6M157	CHILW	1	1	3		1	2	15761	108	84	276	7.4	85	5753	0.32	37.0	93.3	2		1.77	0.02
475	6M158	CHILW	1	1	3		1	2	19752	91	42	269	6.7	73	3829	0.24	6.0	72.0	1		3.92	0.10
476	6M159	CHILW	1	1	3		1	2	72895	328	90	4786	2.9	168	5250	0.48	15.0	101.0	6	1	1.06	0.15
477	6M160	CHILW	1	1	3		1	1	18955	111	71	1107	37.4	107	2990	0.52	95.4	5	5		4.03	0.95
478	6M161	CHILW	1	1	3		1	1	16980	99	58	861	40.3	151	1041	0.51	14.0	96.3	10		5.70	0.03
479	6M162	CHILW	1	1	3		5	2	9351	118	28	446	33.2	170	6875	0.58	7.0	90.3	7		9.40	0.16
480	6M163	CHILW	1	1	2		1	2	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	2888	101	33	468	3.8	101	9827	0.77	23.0	60.2	4		2.52	0.46
482	6M165	CHILW	1	1	2		1	2	1918	99	8	217	1.9	115	2753	1.05	13.0	44.7	5		0.18	0.49
483	6M166	CHILW	1	1	2		1	1	4645	94	12	401	27.9	61437	10557	0.73	23.0	23.0	3		9.93	0.22
484	6M167	CHILW	1	1	2		1	1	3691	118	9	274	5.2	318	3025	0.35	6.0	36.8	5		1.03	0.11
485	6M168	CHILW	1	1	1		3	1	23993	70	6	753	16.0	361	14077	1.05	14.9	5	5		5.79	0.05
486	6M169	CHILW	1	1	2		1	1	4248	58	14	108	7.7	324	2755	1.98	29.0	44.7	3		0.80	0.19
487	6M170	CHILW	1	1	2		1	1	1856	96	18	296	22.5	214	5879	0.99	63.0	21.3	3		0.74	0.16
488	6M171	CHILW	1	1	3		1	1	3754	69	2	232	31.3	199	25092	1.47	48.0	24.8	7		3.59	0.26
489	6M172	CHILW	1	1	2		1	1	4448	118	2	315	3.8	256	9985	1.03	27.0	32.5	5		0.26	0.35
490	6M173	CHILW	1	1	2		1	1	2762	81	11	156	3.7	161	10733	0.93	39.4	6		0.36	0.35	
491	6M174	CHILW	1	1	2		1	1	6566	89	22	654	21.2	98	13226	0.43	11.0	26.3	4		5.50	0.27
492	6M175	CHILW	1	1	2		1	1	3312	101	22	380	8.4	102	1855	1.00	8.0	12.9	2		0.93	0.31
493	6M176	CHILW	1	1	1		3	1	6421	60	28	671	11.7	100	13880	0.57	4.0	20.1	1		2.73	0.09
494	6M177	CHILW	1	1	2		1	2	8462	81	14	867	21.3	105	12573	0.53	3.0	16.1	1		10.17	0.27
495	6M178	CHILW	1	1	2		1	1	3245	68	11	111	3.4	64	10575	0.23	11.0	9.7	1		3.05	0.05
496	6M179	CHILW	1	1	2		1	2	3109	119	3	254	1.8	59	9859	0.50	16.0	13.6	1		0.11	0.09
497	6M180	CHILW	1	1	2		1	2	4382	79	8	190	1.6	79	16403	0.16	5.9	5.9	1		0.61	0.06
498	6M181	CHILW	1	2	3		4	2	1720	59	1	29	3.4	695	2716	2.99	657.6	1		23.09	0.06	
499	6M182	CHILW	1	1	2		1	2	4149	18	1	16	3.5	644	3587	2.85	678.2	1		0.69	0.05	
500	6M183	CHILW	1	1	2		1	2	2466	30	1	22	4.0	621	1975	2.53	668.5	1		1.03	0.05	
501	6M184	CHILW	1	1	2		4	2	699	58	2	15	4.5	628	1128	2.84	607.4	1		23.95	0.05	
502	6M185	CHILW	1	1	2		4	2	807	20	1	18	5.5	669	5027	3.01	570.1	1		6.38	0.05	
503	6M186	CHILW	1	1	2		4	2	807	36	1	18	5.5	571	1546	3.01	570.1	1		23.68	0.05	
504	6M187	CHILW	1	1	2		4	2	3707	38	8	8	15.0	468	337	0.19	23.9	5		21.27	0.03	

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		
505	6M188	CHIKA	1	2			4	1	94	10	7	6	16.0	121	515	0.28	64.2	0.2	6		34.93			
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	172	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		33.64	0.01		
510	6M193	CHIKA	1	2			4	1	184		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		34.45			
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	392	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	73		4	18	3.0	189	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			30	2.0	140	5984	7.66	689.1				26.45	0.10		
525	6M208	MONGO	1	2			4	2	3121			51	4.0	259	2179	3.55	358.4				20.54	0.20		
526	6M209	MONGO	1	2			4	2	2402			36	4.5	291	3384	3.62	261.5				19.06	0.24		
527	6M210	MONGO	1	2			4	2	2782			60	5.5	269	997	3.58	262.8				21.75	0.24		
528	6M211	MONGO	1	2			4	2	1621		3	51	5.8	273	1464	3.33	604.7	0.4			25.73	0.29		
529	6M212	MONGO	1	2			4	2	1947			32	5.3	311	955	3.23	389.4				23.02	0.20		
530	6M213	MONGO	1	2			4	2	2149		1	52	5.7	263	3027	3.50	440.5	0.8			21.25	0.22		
531	6M214	MONGO	1	2			4	2	2211			35	5.2	330	4228	3.02	221.3				22.19	0.20		
532	6M215	MONGO	1	2			4	2	2037			64	5.5	338	1194	3.40	319.2				22.64	0.23		
533	6M216	KANGA	1	1	2	3	1	1	23565			1386	4.5	426	19845	0.50	8.5	15.9	15		8.93	0.27		
534	6M217	KANGA	1	1	2	3	1	1	18007		11	950	4.8	492	24986	0.61	18.3	176.4	10		3.64	0.26		
535	6M218	KANGA	1	1	1	1	1	1	11147		18	1060	5.0	389	20899	0.39	11.2	189.2	11		15.91	0.26		
536	6M219	KANGA	1	1	1	1	1	1	97071		22	1200	4.5	344	29748	0.58	33.4	183.2	15		0.99	0.28		
537	6M220	KANGA	1	1	1	1	1	1	10926		17	1350	4.7	430	21174	0.54	42.3	185.6	13		14.14	0.28		
538	6M221	KANGA	1	1	1	1	1	1	12701		12	1382	4.2	399	37660	0.63	31.1	181.5	13		5.02	0.26		
539	6M222	KANGA	1	1	1	1	1	1	27995		22	27	1066	4.0	417	31155	0.54	11.5	189.4	13		4.83	0.39	
540	6M223	KANGA	1	1	1	1	1	1	30213		16	1368	3.6	667	34946	0.46	6.3	195.3	15		3.52	0.40		
541	6M224	KANGA	1	1	1	1	1	1	28048		51	36	1250	4.0	618	28947	0.55	2.4	170.4	13		3.62	0.36	
542	6M225	KANGA	1	1	1	1	1	1	37677		20	25	1250	4.5	681	19447	0.50	11.5	162.2	12		3.69	0.40	
543	6M226	KANGA	1	1	1	1	1	1	3079		10	43	1108	4.0	567	14899	0.41	60.3	190.1	13		22.58	0.32	
544	6M227	KANGA	1	1	1	1	1	1	16883		51	11	1200	4.5	736	24793	0.50	19.8	205.0	13		1.82	0.38	
545	6M228	KANGA	1	1	1	1	1	1	4008		61	1423	3.5	814	24687	0.42	15.2	167.1	13		9.08	0.36		
546	6M229	KANGA	1	1	1	1	1	1	34960		57	42	1550	3.0	853	29479	0.35	100.0	190.3	13		21.02	0.39	
547	6M230	KANGA	1	1	1	1	1	1	11335		18	56	1797	4.0	916	35833	0.20	323.0	184.3	13		2.50	0.55	
548	6M231	KANGA	1	1	1	1	1	1	24406		61	92	1811	3.5	864	25576	0.11	201.4	204.2	10		17.95	0.51	
549	6M232	KANGA	1	1	1	1	1	1	20237		47	107	1600	5.0	839	29449	0.20	232.3	300.1	12		0.34	0.50	
550	6M233	KANGA	1	1	1	1	1	1	33639		98	127	1920	4.4	740	33738	0.25	231.2	251.9	12		3.26	0.59	
551	6M234	KANGA	1	1	1	1	1	1	21020		51	115	2120	4.0	872	30155	0.20	123.5	187.6	5		0.87	0.40	
552	6M235	KANGA	1	1	1	1	1	1	13122		29	116	2533	4.2	784	19751	0.10	79.7	520.4	3		5.39	0.59	
553	6M236	KANGA	1	1	1	1	1	1	28166		50	137	3580	4.7	831	15794	0.05	10.8	163.2	3		11.28	0.70	
554	6M237	KANGA	1	1	1	1	1	1	48413		61	126	4782	3.2	697	21434	0.10	17.5	440.1	2		2.56	0.60	
555	6M238	KANGA	1	1	1	1	1	1	36286		47	164	1833	4.0	782	16766	0.06	15.0	350.8	2		0.52	0.55	
556	6M239	KANGA	1	1	1	1	1	1	10757		49	182	1521	4.7	726	24300	0.09	35.6	290.7	2		0.07	0.55	
557	6M240	KANGA	1	1	1	1	1	1	28385		78	211	6663	4.5	144	25572	0.01	4.3	370.4	2		0.03	0.85	
558	6M241	KANGA	1	1	1	1	1	1	19286			104	1860	5.3	158	9979	0.03	5.2	370.4	2		2.23	0.36	
559	6M242	KANGA	1	1	1	1	1	1	35338		10	54	2533	5.0	96	14138	0.03	3.3	510.3	2		5.79	0.35	
560	6M243	KANGA	1	1	1	1	1	1															12.17	0.32

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OBS	NO	SECTOR	RS	RK	PK2	ALT	DCC	LCN	MN	HG	MD	ND	NI	NB	P	K	RB	SM	SC	SE	SI	AG
561	6M244	KANGA	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		3	2	12350		14	5015	4.0	77	9891	0.04	9.0	349.5	4	1		19.39	0.29
563	6M246	KANGA	1	1	2		2	13982		8	5341	5.1	83	13171	0.02		480.9	4			2.78	0.24
564	6M247	KANGA	1	2		4	2	1866		18	712	8.7	351	515	4.62	281.2	43.1	23			24.45	0.06
565	6M248	KANGA	1	2		4	2	1917		9	949	7.2	114	1476	4.22	389.1	91.2	29			25.26	0.19
566	6M249	KANGA	1	2		4	2	1207		20	714	9.0	360	479	5.22	376.0	42.1	23	1		23.38	0.19
567	6M250	KANGA	1	2		4	2	1746		4	422	1.8	194	19791	0.93	1.1	75.6	1			26.41	0.14
568	6M251	KANGA	1	1	2	2	1	17174	99	39	10987	5.2	243	9448	0.10	3.0	850.9	4			0.73	0.36
569	6M252	KANGA	1	1	4	2	2	23135	48	43	9323	5.7	171	15575	0.17	2.0	850.9	4	1		0.30	0.31
570	6M253	KANGA	1	1	4	2	2	26244	31	62	4511	6.2	144	21080	0.12	3.1	900.2	3			0.93	0.26
571	6M254	KANGA	1	1	4	2	2	21587	149	37	7103	7.0	190	9894	0.14		500.3	3			4.26	0.40
572	6M255	KANGA	1	1	4	2	2	22011	128	38	6022	1.35	135	15750	0.08	18.4	800.4	4			1.30	0.37
573	6M256	KANGA	1	1	4	2	2	23704	200	37	5101	4.7	168	9435	0.09	1.5	706.3	4			2.94	0.39
574	6M257	KANGA	1	3			2	43510	78	62	4058	3.8	139	15178	0.09		450.9	5			28.50	0.38
575	6M258	KANGA	1	3			1	16047	88	58	4522	8.5	271	22746	0.12	9.9	512.1	4			38.77	0.50
576	6M259	KANGA	1	1	4		2	34738	51	43	4326	3.4	115	9893	0.08	6.1	811.4	4			1.82	0.32
577	6M260	KANGA	1	1	4		2	36011	68	30	4111	12.0	276	9654	0.11	8.5	473.7	3			0.59	0.40
578	6M261	KANGA	1	1	4		2	98813	450	115	4217	6.9	51	18653	0.12	1.8	423.6	4			1.44	0.65
579	6M262	KAPIR	1	1	4	3	2	15740	101	23	4921	7.5	150	8879	0.10		393.1	5			7.83	0.40
580	6M263	KAPIR	1	1	3	2	2	4764	97	24	4533	6.0	161	16735	0.09	5.3	453.1	4			7.78	0.32
581	6M264	KAPIR	1	1	3	2	2	4816	18	4	411	2.2	197	9339	1.03	66.4	76.3	1			5.36	0.14
582	6M265	KAPIR	1	1	3	2	2	4478	148	34	4118	6.5	146	14875	0.08	14.3	819.2	4			6.10	0.22
583	6M266	KAPIR	1	1	3	2	2	1444	178	32	3926	4.5	118	9971	0.07	10.1	355.8	4			3.95	0.29
584	6M267	KAPIR	1	1	3	2	2	4771	59	24	3941	7.0	172	14236	0.06	20.3	812.6	4			4.95	0.22
585	6M268	KAPIR	1	1	3	2	2	3564	110	22	4206	4.1	119	10078	0.10	21.1	413.6	3			5.14	0.23
586	6M269	KAPIR	1	1	3	2	2	4837	27	3	418	2.2	195	25595	1.16	62.0	77.3	1			3.60	0.14
587	6M270	KAPIR	1	1	3	2	2	6856	21	2	306	3.2	318	2053	1.84	202.1	44.1	8			10.80	0.08
588	6M271	KAPIR	1	1	3	2	2	7906	19	2	283	20.6	331	15693	1.84	116.3	39.2	7			8.56	
589	6M272	KAPIR	1	1	3	2	2	7446	17	1	263	20.5	328	1549	2.28	99.8	36.8	8			9.04	0.05
590	6M273	KAPIR	1	1	3	2	2	6174	31		285	21.5	368	2020	2.25	99.2	40.7	6			9.23	0.08
591	6M274	KAPIR	1	1	3	2	2	5259	10	14	279	21.0	323	1575	2.77	108.4	40.5	8			11.32	0.06
592	6M275	NSALA	1	1	3	2	2	1770	68	5	19	16.5		650	3.40	330.4	0.7	2			7.53	0.14
593	6M276	NSALA	1	2		3	2	3752	111	32	346	23.9	116	2080	3.53	360.5	58.1	14			22.23	0.18
594	6M277	NSALA	1	2		3	2	1665	20		212	17.0	141	9132	1.09	91.4	49.0				21.77	0.10
595	6M278	KONGW	1	2	3	2	2	361	67	1	52	15.5	2	575	3.97	443.1		1			25.49	0.15
596	6M279	KONGW	1	2	3	2	2	528	91	2	52	14.0	2	455	3.70	243.2					26.27	0.20
597	6M280	KONGW	1	2	3	2	2	333	28	2	30	15.3		4033	4.25	322.1	0.4				31.09	0.16
598	6M281	KONGW	1	2	3	2	2	380	36	1	31	14.8		480	4.28	503.9					31.02	0.18
599	6M282	KONGW	1	2	3	2	2	215	610		265	49.0	88	8280	1.48	163.2	31.3	15			26.11	0.17
600	6M283	KONGW	1	2	3	2	2	148	21		10	17.0		305	1.17	358.3					34.50	0.20
601	6M284	KONGW	1	2	3	2	2	145	26		8	16.7		271	1.03	139.5					32.63	
602	6M285	KONGW	1	2	3	2	2	134	31	2	9	16.5	28	354	1.15	294.5	0.8	1			30.58	0.10
603	6M286	KONGW	1	2	3	2	2	555		6	146	18.7	92	608	4.16	488.4	13.2	3			30.24	
604	6M287	KONGW	1	2	3	2	2	215		5	131	18.5	71	645	4.10	527.5	9.3	3			32.53	
605	6M288	KONGW	1	2	3	2	2	375	10	5	148	18.0	115	505	4.23	463.2	14.6	3			32.04	
606	6M289	KONGW	1	2	3	2	2	173	57	1	6	14.5	1	717	4.87	272.4					28.61	0.02
607	6M290	KONGW	1	2	3	2	2	3552	32		274	47.0	359	6571	2.05	191.3	32.1	15			19.86	
608	6M291	KONGW	1	2	3	2	2	125	63		10	12.4	2	224	5.09	554.3					29.14	
609	6M292	KONGW	1	2	3	2	2	152	48		5	13.0	1	300	4.86	510.5					34.42	0.03
610	6M293	ALIGO	1	2	3	2	2	2619	88	2	102	18.5	1	9547	0.59	83.4	15.0	15			18.90	0.02
611	6M294	ALIGO	1	1	3	2	2	2524	79		116	18.7	172	12932	0.68	51.6	16.7	15			10.78	
612	6M295	ALIGO	1	2	3	2	2	213	59		111	18.0	1	9144	0.60	48.3	14.1	16			29.30	0.01
613	6M296	ALIGO	1	2	3	2	2	159	18		29	11.1		665	4.88	460.3					26.90	0.10
614	6M297	ALIGO	1	2	3	2	2	3256	348	85	21	11.5	41	699	4.74	341.2					26.36	0.01
615	6M298	ALIGO	1	2	3	2	2	2626	168		280	50.2	116	13972	1.44	210.3	702.1	3			11.88	
616	6M299	ALIGO	1	2	3	2	2	2626	168		280	50.2	116	13972	1.44	210.3	344.6	15			14.91	

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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
617	6M300	ALIGO	1	2		3	4	2	1831	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		507	1.97	309.50		1		36.57	
619	6M302	ALIGO	1	2		3	4	2	106	21		8	12.5		507	4.69	654.80				29.36	
620	6M303	ALIGO	1	2		3	4	1	48	19		6	10.6		544	4.50	541.20				29.54	
621	6M304	ALIGO	1	2		3	4	1	42	598		5	12.0		718	4.98	357.40	0.4			30.10	
622	6M305	ALIGO	1	1			4	1	312	10		346	6.0	772	1401	4.76	1389.50	34.2	9		5.69	0.02
623	6M306	KADON	1	2		3	5	2	10097			371	6.5	1081	1902	5.22	1972.20	37.9	9		19.07	
624	6M307	KADON	1	2		3	5	2	5252	22		68	7.3	1716	420	4.21	274.30	4.1			22.38	
625	6M308	KADON	1	2		3	5	2	3079	231		61	11.5	921	775	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		59	10.5	1	909	3.50	562.40	0.6			27.72	0.03
628	6M311	KADON	1	2		3	4	2	5867	97		83	12.1	1422	834	3.59	750.00				26.17	0.10
629	6M312	KADON	1	2		3	4	2	9780	651	82	274	48.0	117	9115	1.53	182.40	5.4	15		15.07	0.05
630	6M313	KADON	1	2		3	4	2	1729	103	12	68	12.0		758	3.70	562.30	32.1			23.54	0.08
631	6M314	KADON	1	2		3	4	2	1922	136		70	12.5	2	714	3.97	638.20	30.9			23.54	0.01
632	6M315	MLIND	1	2		3	3	2	1296	11		135	22.0	64	765	5.95	581.00	16.1	9		23.42	
633	6M316	MLIND	1	3		3	1	2	333	177		120	23.0	73	919	6.59	827.00	16.3	8		24.30	
634	6M317	MLIND	1	2		3	2	2	24	152		109	21.0	73	377	5.93	658.10	14.4	8		32.33	
635	6M318	MLIND	1	3		3	2	2	441		14		4.8	39	349	3.78	205.00				1.07	
636	6M319	MLIND	1	3		3	2	2	284	20	13		5.5	59	409	3.70	275.40				1.13	
637	6M320	MLIND	1	2		3	3	1	1057	28		32	15.9	199	4418	3.72	612.00				23.18	
638	6M321	MLIND	1	3		3	1	1	611	27		116	91.8	20	10705	3.32	447.80	11.0	44		8.14	
639	6M322	MLIND	1	3		3	1	1	728	19		126	100.0	38	8075	2.18	239.40	24.6	39		8.85	
640	6M323	MLIND	1	3		3	1	1	1413	17		141	101.5	34	8919	2.00	221.30	22.3	42		12.59	
641	6M324	MLIND	1	3		3	1	1	1360	51		157	99.5	36	7025	2.00	294.50	23.1	35		7.66	
642	6M325	MLIND	1	3		3	1	1	1496	46		115	99.2	45	7988	2.25	94.60	23.6	37		11.75	
643	6M326	MLIND	1	3		3	1	1	1896	46		168	110.0	29	7003	2.07	185.20	23.1	40		12.41	0.01
644	6M327	MLIND	1	3		3	1	1	894	57		216	98.7	58	7557	2.60	200.10	24.7	32		9.52	0.05
645	6M328	MLIND	1	3		3	1	1	257	41		164	99.0	50	5879	2.23	123.30	22.1	29		19.02	0.03
646	6M329	MLIND	1	3		3	1	1	901	60		226	97.5	67	7164	1.98	264.50	27.3	31		10.10	
647	6M330	MLIND	1	3		3	1	1	181	38		201	110.2	48	6554	2.00	65.10	23.5	38		21.70	
648	6M331	MLIND	1	3		3	1	1	1313	51		236	115.4	55	7617	2.19	272.00	30.1	41		12.74	
649	6M332	MLIND	1	3		3	1	1	1168	26		219	98.9	42	6266	2.33	231.40	26.7	40		12.98	
650	6M333	MLIND	1	3		3	1	1	972	47		222	101.5	39	7025	2.21	317.50	26.0	37		6.28	
651	6M334	MLIND	1	3		3	1	1	281	38		21	36.3	48	1065	5.41	264.00		2		21.38	
652	6M335	MLIND	1	3		3	1	1	663	102		63	330.6	57	5355	5.19	714.00	8.0	21		12.84	
653	6Y001	TUNDU	1	1		2	1	1	4274	121		448	1.1	784	25991	0.37	15.00	43.8			0.34	0.04
654	6Y002	TUNDU	1	1		2	1	1	4357	133		800	1.6	165	14127	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	4492	151		115	4.0	436	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	1750	239		453	1.6	191	14074	0.52	27.00	88.3	1		0.32	0.03
666	6Y014	TUNDU	1	1		2	1	1	7160	100		486	0.7	255	18345	0.49	3.00	50.1	1		0.77	
667	6Y015	TUNDU	1	1		2	1	1	14636	131	14	395	9.3	236	353	0.20	22.00	91.0	1		0.88	
668	6Y016	TUNDU	1	1		2	1	1	9124	116		1879	0.7	105	185	0.23	3.00	260.2			0.07	
669	6Y017	TUNDU	1	1		2	1	1	13653	239		1533	1.4	423	305	0.33	154.3				0.72	
670	6Y018	TUNDU	1	1		2	1	1	5281	200		10	1.1	1	63	0.01					0.29	
671	6Y019	TUNDU	1	1		2	1	1	15133	134	11	1303	1.5	92	213	0.11	9.00	200.6	6		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

OBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	MIN	HG	MU	NO	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	2027	10		223	0.5	5	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	1258	0.05	21	22.9	1		0.06	0.09
679	6Y027	TUNDU	1	1	2		1	1	2326	11		268	2.9	40	5200	0.08		21.2			0.17	
680	6Y028	TUNDU	1	1	2		1	1	1635	83		315	1.3	94	3677	0.05		75.1	1		0.56	0.15
681	6Y029	TUNDU	1	1	2		1	1	4357	39	11	435	2.5	63	1125	0.09	10	28.3			4.58	
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	2	16592	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	4		4	1	6944	137	67	2963	2.4	88	812	0.13	3	355.8	11		15.60	0.33
686	6Y034	SONGW	1	3	2		2	1	5799	101	20	2710	0.7	164	935	0.07		525.7	13		17.18	0.46
687	6Y035	SONGW	1	1	1		2	2	12114	52	2	1761	1.1	140	1737	0.05	25	137.4	1		0.14	0.08
688	6Y036	SONGW	1	1	1		2	2	11299	94		1667	0.9	63	2546	0.02		208.6	4		0.10	0.04
689	6Y037	SONGW	1	1	1		2	2	12067	133		1986	1.4	488	2147	1.98		148.9	1		0.22	0.38
690	6Y038	SONGW	1	1	1		2	2	12951	72		2016	4.8	241	2418	0.66	16	152.0	3		0.30	0.24
691	6Y039	SONGW	1	2	4		2	2	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	800	0.57		268.2	3		0.17	0.05
693	6Y041	SONGW	1	1	1		4	2	13375	104		2664	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	8944	0.98	17	377.3	3		0.48	0.10
697	6Y045	SONGW	1	1	2		4	2	13784	125		2351	1.2	853	912	0.11		380.2	4		0.22	0.30
698	6Y046	SONGW	1	2	2		4	2	25016	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	466	0.19		163.8	5		0.34	
700	6Y048	SONGW	1	1	2		2	2	16804	44	2	983	1.4	368	666	0.28	8	218.4	1		0.15	
701	6Y049	SONGW	1	1	2		2	2	12968	101		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	18	1212	0.2	121	2988	0.10	4	278.5	4		0.29	0.10
703	6Y051	SONGW	1	1	2		4	2	13873	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	949	0.20	7	135.6	3		0.78	
705	6Y053	SONGW	1	3	2		4	2	21800	109		1511	2.3	88	678	0.28	13	199.3	5		2.29	
706	6Y054	SONGW	1	1	2		4	2	28253	261		1333	3.2	198	4110	0.10	6	161.2	4		1.06	
707	6Y055	SONGW	1	1	2		4	2	31715	83	12	1374	1.4	179	799	0.31	6	105.6	4		3.40	
708	6Y056	SONGW	1	1	2		4	2	12564	114	12	1824	1.0	144	691	0.26		183.3	3		0.60	
709	6Y057	SONGW	1	1	2		4	2	30392	170		1359	6.0	267	2355	0.20	13	271.8	3		2.71	0.05
710	6Y058	SONGW	1	3	2		4	2	18267	162	47	1534	2.3	892	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	26393	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	48	11	2875	3.1	561	870	0.22		425.1	6		0.71	
716	6Y064	SONGW	1	1	2		1	2	16291	41	79	2338	0.8	548	1444	0.10		343.6	3		0.47	
717	6Y065	SONGW	1	1	2		1	1	11145	102	20	2759	0.3	491	770	0.20		244.2	6		1.12	0.21
718	6Y066	SONGW	1	1	2		1	1	13940	127	1	3113	1.4	186	1233	0.17		461.3	11		0.77	0.33
719	6Y067	SONGW	1	1	2		1	1	17456	71		3454	1.6	37	1030	0.06		266.7	8		0.36	0.12
720	6Y068	SONGW	1	1	2		1	1	15005	109	75	3454	1.6	37	1030	0.06		593.8	9		0.27	0.20
721	6Y069	SONGW	1	1	2		1	2	14161	156	5	3651	3.3	127	174	0.55		124.6	6		3.02	0.08
722	6Y070	SONGW	1	3	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		2619	6.0	112	3299	0.73	6	331.3	4		1.15	
724	6Y072	SONGW	1	1	2		1	1	15093	82	14	2439	15.1	697	783	0.99	57	438.4	11		2.48	0.81
725	6Y073	SONGW	1	1	1		1	1	15138	126		2470	1.2	697	5746	0.15		303.3	5		0.46	0.17
726	6Y074	SONGW	1	1	2		1	1	15311	126	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	1114	8815	0.15		241.9	3		0.53	
728	6Y076	SONGW	1	1	2		1	2	15671	247		3543	1.1	789	1170	0.22	6	278.7	3		0.46	

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
729	6Y077	SONGW	1	1	2		1	2	15329	111		3015	1.4	868	4159	0.17		537.6	5		0.37	0.07
730	6Y078	SONGW	1	1	2		1	2	12970	53		3953	2.3	921	5550	0.20	3	214.4	4		0.47	
731	6Y079	SONGW	1	1	2		1	2	13682	41		3087	1.1	68	11991	0.12		406.5	2		0.30	
732	6Y080	NAMAN	1	2			5	2	1879	160		18	11.1	37	5835	1.93	92	289.8	17		24.03	
733	6Y081	NAMAN	1	2			5	2	1875	132		19	18.3	96	2210	2.68	204	0.7	16		21.93	
734	6Y082	NAMAN	1	2			5	2	137	67		24	13.6	165	487	1.55	13	43.6	13		27.96	
735	6Y083	NAMAN	1	2			5	2	2542	209		25	3.7	83	753	1.27	17	16.4	10		26.01	0.10
736	6Y084	NAMAN	1	2			5	2	1595	162		20	5.8	41	935	2.34	5		8		26.66	0.05
737	6Y085	NAMAN	1	2			5	3	1849	271	14	89	14.0	59	775	1.57	18	30.4	9		26.11	
738	6Y086	NAMAN	1	3			5	5	612	40		43	14.1	36	68	0.39	26		4		37.79	0.14
739	6Y087	NAMAN	1	3			5	1	976	45	3	41	9.9	20	621	1.88	38		7		27.48	
740	6Y088	NAMAN	1	2			5	1	271	132		19	2.2	48	998	1.05	8	59.4	6		28.35	0.07
741	6Y089	NAMAN	1	2			5	1	1476	61		35	7.5	92	3111	0.93	24		11		28.07	
742	6Y090	NAMAN	1	2			5	1	1887	157		21	5.3	213	955	1.52	9	26.3	15		28.12	
743	6Y091	NAMAN	1	2			5	1	3898	83	1	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		51.18	0.05
745	6Y093	NAMIN	1	3			3	2	6577	62	11	48	1.2	98	2150	2.77	11		5		2.34	
746	6Y094	NAMIN	1	3			3	2	83	92		47	5.0	315	606	2.05	4		11		43.08	
747	6Y095	NAMIN	1	3			3	2	63	265		58	3.5	69	2755	2.00	25	166.4	13		40.05	0.08
748	6Y096	NAMIN	1	3			3	1	39	130		25	9.0	10	638	3.04	392	0.2			29.64	
749	6Y097	NAMIN	1	3			3	1	116	171	3	26	7.4	43	382	1.57	172				23.78	
750	6Y098	NAMIN	2	3			3	1	46	115		15	13.4	51	640	2.00	249	23.1	4		32.02	
751	6Y099	NAMIN	1	3			3	1	63	186	19	16	10.5	14	720	2.88	42	79.6	3		31.98	
752	6Y100	NAMIN	1	3			3	1	136	67		13	11.1	7	455	1.05	263	137.3	2		31.38	
753	6Y101	NAMIN	1	3			3	1	46	10		14	15.2	2	675	1.57	197		1		58.68	
754	6Y102	NAMIN	1	3			3	1	65	20		12	14.3		572	1.68	313				38.99	
755	6Y103	NAMIN	1	3			3	1	90	127	1	10	14.5		750	2.98	97	62.5			34.26	0.03
756	6Y104	NAMIN	2	3			3	1	6770	219		8	13.1		895	1.88	90	185.9			40.12	
757	6Y105	NAMIN	1	3			3	1	299	93		9	5.7	1	355	1.78	87	154.7			33.00	
758	6Y106	NAMIN	1	3			3	1	124	293		10	18.1	33	735	0.98	293	33.4	1		32.83	0.08
759	6Y107	NAMIN	1	3			3	1	3448	61		11	8.2	162	550	1.92	383				30.57	
760	6Y108	NAMIN	1	3			3	1	99	132		20	24.8	6	185	2.65	280	16.7	1		34.44	
761	6Y109	NAMIN	1	3			3	1	254	46		7	4.4		672	2.22	96				34.38	
762	6Y110	NAMIN	1	3			3	1	105	101		6	7.8	1	420	2.48	73				35.16	
763	6Y111	NAMIN	1	3			3	1	8	104		5	13.6		309	3.00	229	0.2			33.62	0.10
764	6Y112	NAMIN	1	3			3	1	44	169		10	2.5	49	450	2.55	121		2		31.92	
765	6Y113	NAMIN	1	3			3	1	153	87		12	16.5	2	692	3.21	278		3		32.61	
766	6Y114	NAMIN	1	3			3	1	74	118		185	15.6	88	8915	1.87	51	36.1	1		42.81	
767	6Y115	TUNDU	1	1	2		1	2	2842	72		214	7.6	63	6897	0.99		41.4	3		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	6	9.4	2		0.59	
771	6Y119	TUNDU	1	1	2		1	2	2470	27		217	2.1	157	4697	0.20	9	8.5	1		0.95	
772	6Y120	TUNDU	1	1	2		1	2	2589	181	21	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	8	14.7	4		0.93	
775	6Y123	TUNDU	1	1	2		2	2	3298	21	25	185	9.2	56	5587	0.33	3	7.4	3		0.55	
776	6Y124	TUNDU	1	1	2		2	2	11077	36		763	7.6	428	382	0.15	2	131.3	3		2.65	0.10
777	6Y125	TUNDU	1	1	2		2	2	8487	73	14	817	5.1	261	500	0.18		39.1	3		2.45	0.05
778	6Y126	TUNDU	1	1	2		2	2	8832	47	199	980	3.2	750	1413	0.11		125.0	4		4.39	
779	6Y127	TUNDU	1	1	2		2	2	2654	90	4	226	0.9	4	8	0.04	9	17.1			0.02	
780	6Y128	TUNDU	1	1	2		2	2	3650	42		193	1.7	39	935	0.08		60.5	3		0.42	
781	6Y129	TUNDU	1	1	2		2	2	2136	63		180	3.3	29	750	0.02	11	32.3	2		0.40	0.05
782	6Y130	TUNDU	1	1	2		2	2	3139	66		214	0.7	25	399	0.15	14	30.1	1		2.38	
783	6Y131	TUNDU	1	1	2		2	2	3035	40		253	1.5	36	3269	0.06		22.7			0.29	0.05
784	6Y132	TUNDU	1	1	2		2	2	2235	53	2	199	0.8	5	1192	0.04		15.6	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	2335			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		22.82	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		1.28	
791	6Y139	TUNDU	1	1	2		2	2	2146	121.00	1	137	14.2	162	832	3.05	7	15.7	6		0.22	
792	6Y140	TUNDU	1	1	2		2	1	1924	20.00	18	191	2.8	150	693	3.32	13		5		1.82	0.05
793	6Y141	TUNDU	1	1	2		2	1	1736	0.33		184	8.5	2	672	0.98		9.0			0.07	
794	6Y142	TUNDU	1	1	2		2	2	1895	61.00		165	4.6	146	555	0.82			6		0.50	0.03
795	6Y143	TUNDU	1	1	2		2	2	2242	37.00		180	0.7	179	143	0.08			6		0.79	0.13
796	6Y144	TUNDU	1	1	2		2	1	1737	49.00		243	1.3	1	8145	0.11	20	10.4			0.31	
797	6Y145	TUNDU	1	1	2		2	2	1780	76.00		266	0.8	98	2449	0.61	31	67.7			0.27	
798	6Y146	CHILW	1	1	3		1	2	8702	59.00	26	1660	5.8	79	25	6.33	651	420.1			25.57	
799	6Y147	CHILW	1	1	3		1	1	23673	87.00	47	685	6.2	154	3453	0.95		681.3			6.24	
800	6Y148	CHILW	1	1	3		1	1	14115	51.00	20	1035	3.9	67	997	2.50	5	325.9			24.78	
801	6Y149	CHILW	1	1	3		1	1	4759	103.00	16	1356	7.7	38	4002	2.33	9	298.1			21.34	
802	6Y150	CHILW	1	1	3		1	1	12312	92.00	37	1475	1.3	85	727	5.10		351.7			22.54	0.05
803	6Y151	CHILW	1	3	3		3	2	56208	92.00	111	614	8.7	27	291	0.14		215.4			2.86	
804	6Y152	CHILW	1	1	2		2	2	4252	57.00	28	1115	2.2	163	1128	0.06	6	733.3			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	215	9.6	424	5297	0.04		57.0			1.25	
807	6Y155	CHILW	1	1	2		1	1	2486	33.00	22	1461	4.7	318	888	0.07		210.9			0.62	
808	6Y156	CHILW	1	1	2		1	1	1500	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		1318	2.3	449	1977	0.15	5	364.4			11.44	0.03
810	6Y158	CHILW	1	1	2		1	1	6801	76.00	43	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	5697	51.00		261	1.8	118	775	0.35	11	21.3	4		4.07	
813	6Y161	CHILW	1	1	2		1	1	4264	83.00	1	349	1.5	42	688	0.20	28	51.8	2		1.61	
814	6Y162	CHILW	1	1	2		1	1	5016	53.00		300	0.9	25	537	0.50	4	68.6	5		1.18	0.05
815	6Y163	CHILW	1	1	2		1	1	3737	121.00		296	4.9	61	799	0.78		21.4	3		1.32	
816	6Y164	CHILW	1	1	2		1	1	3417	87.00	11	413	2.1	75	999	0.10	4	25.9	2		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	3		1.37	
818	6Y166	CHILW	1	1	2		1	1	1314	145.00		196	5.4	33	489	0.35	3	148.7			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		4.77	
820	6Y168	CHILW	1	1	2		1	1	3360	93.00	29	267	4.1	27	1125	0.55	10	38.0	2		1.91	0.03
821	6Y169	CHILW	1	1	2		1	1	4389	56.00		183	6.3	68	725	0.88	6	59.4	2		2.42	
822	6Y170	CHILW	1	1	2		1	1	2802	31.00		145	7.4	55	1250	0.20	17	38.5			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	333	1404	0.74	35	2.0	2		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	1637	0.15		11.2	1		2.70	
827	6Y175	CHILW	1	1	2		1	1	8900	43.00	13	180	1.4	132	4414	0.20			1		2.70	
828	6Y176	CHILW	1	1	2		1	1	5730	103.00	29	135	2.8	113	6372	0.35	4	44.3	4		0.57	
829	6Y177	CHILW	1	1	2		1	1	4335	45.00		200	0.2	141	7913	0.15		34.5	1		0.35	0.07
830	6Y178	CHILW	1	1	2		1	1	3301	101.00		218	2.7	299	1399	0.04		32.7			0.70	0.11
831	6Y179	CHILW	1	1	2		1	1	6054	177.00		347	1.0	329	5005	0.09					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	2		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	4		1.05	
834	6Y182	CHILW	1	1	2		1	1	5375	12.00	7	511	2.4	144	11015	0.03	10	59.4	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	4		0.27	
836	6Y184	CHILW	1	1	2		1	1	1905	11.00	1	467	3.4	125	9916	0.03		49.9	4		0.49	0.05
837	6Y185	CHILW	1	1	2		1	1	5233	10.00	1	651	3.6	138	13555	0.01		64.2	3		2.46	
838	6Y186	CHILW	1	1	2		1	1	5973	14.00	2	670	6.3	180	1984	0.02	3	62.8	4		0.57	
839	6Y187	CHILW	1	1	2		1	1	8178		3	331	6.0	192	14912			51.0	4		0.14	
840	6Y188	CHILW	1	1	2		1	1	7360		7	357	5.4	126	9955	0.02	5	56.2	4		0.81	

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	
841	6Y189	CHILW	1	1	2		1	1	6842		8	220	4.2	173	9897	0.06		78.4	3		1.00	0.20	
842	6Y190	CHILW	1	1	2		1	1	4346		8	136	5.5	87	8855	0.13	4	13.1			0.50	0.23	
843	6Y191	CHILW	1	1	2		1	2	2865		19	351	3.6	195	12256	0.60	25	44.0	3		3.67	0.23	
844	6Y192	CHILW	1	1	2		1	1	2861		21	178	0.4	118	5517	0.10	11	16.2	2		1.37	0.22	
845	6Y193	CHILW	1	1	2		1	2	269		6	267	1.3	174	2305	0.66	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		17.7	1		0.38	0.33	
847	6Y195	CHILW	1	1	2		1	1	3942		1	145	1.7	156	1853	0.05	32	24.1	1		4.74	0.24	
848	6Y196	CHILW	1	1	2		1	1	2426		2	77	2.6	180	1915	0.08	9	21.4	1		1.12		
849	6Y197	CHIKA	1	2			3	1	914		21	39	7.0	78	1197	3.02	142	0.7	5		21.27		
850	6Y198	CHIKA	1	3			1	1	3406		1	56	7.2	95	1109	3.02	24			15.55			
851	6Y199	MONGO	1	2			1	2	718		59	3	2.0	182	1005	1.56	60			25.70			
852	6Y200	MONGO	1	2			4	2	1869		6	339	7.3	63	1454	2.90	34			19.17			
853	6Y201	KANGA	1	1	3		1	1	42916		38	3065	6.7	157	16269	0.02		209.1			2.61	0.65	
854	6Y202	KANGA	1	1	3		1	1	22636		19	206	6.1	118	9587	0.03	6	94.9	2		5.27	0.40	
855	6Y203	KANGA	1	1	3		1	1	24665		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	190	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	26294		8	156	2622	6.5	918	9984	0.02	11	71.3	1	6.89	0.38	
859	6Y207	KANGA	1	1	3		1	1	25524		7	138	2693	5.9	129	9215	0.03	6	298.2	1	6.26	0.60	
860	6Y208	KANGA	1	1	3		1	1	25207		27	159	2661	6.5	192	9719	0.03	16	193.9	2	3.93	0.45	
861	6Y209	KANGA	1	1	3		1	1	23667		67	235	7.5	179	9618	0.02	11	191.3	2		5.67	0.54	
862	6Y210	KANGA	1	1	3		1	1	23500		174	2707	7.1	334	8696	0.01		202.6	3		4.93	0.49	
863	6Y211	KANGA	1	1	3		1	1	28207		193	2101	6.2	282	8253	0.02	9	22.9	2		5.16	0.44	
864	6Y212	KANGA	1	1	3		1	1	23602		11	242	8.0	225	9005	0.03	7	114.1	3		6.21	0.51	
865	6Y213	KANGA	1	1	3		1	1	34002		218	1967	4.9	394	9516	0.04	17	284.0	3		4.03	0.43	
866	6Y214	KANGA	1	1	3		1	1	30270		165	1538	7.0	360	8814	0.04	8	193.3	5		4.65	0.55	
867	6Y215	KANGA	1	1	3		1	1	34256		136	1605	8.5	189	8155	0.05	11	194.8	4		4.47	0.55	
868	6Y216	KANGA	1	1	3		1	1	14441		23	161	1711	5.3	469	8918	0.03	3	15.8	5	8.43	0.56	
869	6Y217	KANGA	1	1	3		1	1	23019		56	1982	8.4	387	9912	0.02	17	285.7	4		6.16	0.50	
870	6Y218	KANGA	1	1	3		1	1	20286		98	1733	7.6	368	9615	0.02	12	130.2	7		7.86	0.38	
871	6Y219	KANGA	1	1	3		1	1	31079		60	2400	8.6	245	10151	0.02	17	7.1	5		3.37	0.40	
872	6Y220	KANGA	1	1	3		1	1	10476		54	1776	7.7	872	9192	0.04	262	125.4	7		13.05	0.36	
873	6Y221	KANGA	1	1	3		1	1	23198		71	2892	9.3	761	8546	0.02	180	297.4	5		8.12	0.40	
874	6Y222	KANGA	1	1	3		1	1	14681		42	2107	8.1	447	8105	0.03	116	231.0	6		10.35	0.49	
875	6Y223	KANGA	1	1	3		1	1	39636		61	2763	5.7	499	8437	0.03	90	204.3	5		10.16	0.41	
876	6Y224	KANGA	1	1	3		1	1	26795		32	36	5337	7.0	321	8073	0.03	127	185.1	5		5.89	0.58
877	6Y225	KANGA	1	1	3		1	1	26795		34	59	4855	6.1	211	9455	0.01	106	159.2	5		9.57	0.47
878	6Y226	KANGA	1	1	3		1	1	3903		29	75	3210	8.5	372	8217	0.01	115	23.1	3		11.98	0.36
879	6Y227	KANGA	1	1	3		1	1	18692		75	2893	7.9	440	8838	0.02	75	256.6	5		9.17	0.40	
880	6Y228	KANGA	1	1	3		1	1	23571		25	6007	10.2	329	9545	0.04	60	198.3	3		10.09	0.40	
881	6Y229	KANGA	1	1	3		1	1	19556		21	5437	8.0	290	8415	0.02	12	409.2	4		5.94	0.37	
882	6Y230	KANGA	1	1	3		1	1	15354		29	6614	8.9	319	9431	0.03		401.3	3		8.71	0.39	
883	6Y231	KANGA	1	1	3		1	1	27185		33	5083	11.1	215	9218	0.03		296.3	4		6.16	0.47	
884	6Y232	KANGA	1	1	3		1	1	75570		89	213	7729	13.9	522	19150	0.09		15.9	7		8.69	0.38
885	6Y233	KANGA	1	1	3		1	1	23284		11	104	551	8.6	349	7518	0.04	15	297.7	3		5.04	0.40
886	6Y234	KANGA	1	1	3		1	1	73191		93	247	8347	16.7	192	7847	0.02		24.6	3		5.83	0.36
887	6Y235	KANGA	1	1	3		1	1	24886		93	5409	9.9	123	6514	0.03	5	58.1	2		2.08	0.39	
888	6Y236	KANGA	1	1	3		1	1	21808		216	4632	10.3	118	7156	0.03	21	39.6	3		6.40	0.38	
889	6Y237	KANGA	1	1	3		1	1	27922		22	150	2378	9.5	79	6484	0.02	7	9.9	2		4.09	0.38
890	6Y238	KANGA	1	1	3		1	1	19845		134	3721	10.2	92	5109	0.01	9	6.2	2		6.47	0.36	
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	4577	0.01		220.8	2		9.19	0.44
894	6Y242	KANGA	1	1	3		1	1	26531		23	161	3945	12.0	144	5589	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	1		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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897	61245	KANGA	1	1	3		1	1	31790	21	237	2731	10.9	268	6787	0.03		146.2	2		4.53	0.55
898	61246	KANGA	1	1	3		1	1	68185	112	267	6050	18.1	1531	36852	0.07	2	497.6	9		10.06	1.08
899	61247	KANGA	1	1	3		1	1	70364	141	311	7011	17.5	742	33981	0.04	4	386.4	11		8.24	0.88
900	61248	KANGA	1	1	3		1	1	11758	22	41	13055	4.9	171	23941	0.01	2	84.3	0		8.71	
901	61249	KANGA	1	1	3		1	1	19114	51	127	4625	5.9	128	18466	0.02	16	151.0	1		6.40	0.87
902	61250	KANGA	1	1	3		1	1	33725	72	53	3080	6.4	119	12896	0.01	8	263.0	2		4.72	0.94
903	61251	KANGA	1	1	3		1	1	34869	113	96	4183	5.5	141	14429	0.01	2	319.4	2		3.89	1.15
904	61252	KANGA	1	1	3		1	1	29132	81	48	5063	11.5	175	17120	0.01	2	97.6	2		7.67	0.88
905	61253	KANGA	1	1	3		1	1	69335	183	167	7238	11.0	103	32418	0.05	4	403.1	7		4.66	0.95
906	61254	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	61255	KANGA	1	1	3		1	1	18259	42	66	4722	11.5	87	9107	0.05	7	84.9	4		7.26	0.78
908	61256	KANGA	1	1	3		1	1	23033	29	5	4093	9.8	98	8955	0.04	8	432.4	3		6.28	0.77
909	61257	KANGA	1	1	3		1	1	20899	26	31	4861	11.6	169	8545	0.03	7	351.8	3		5.79	0.70
910	61258	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	61259	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	61260	KANGA	1	1	3		1	1	18223	52	6	5333	7.7	73	9819	0.15	6	462.4	4		6.77	0.80
913	61261	KANGA	1	1	3		1	1	20334	23	3	6435	10.6	96	9120	0.07		515.2	5		5.53	0.75
914	61262	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	61263	KANGA	1	1	3		1	1	18678	19	97	6327	15.2	98	9914	0.24	16	483.8	5		3.96	0.60
916	61264	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	61265	KANGA	1	1	3		1	1	14572	38	1	5461	13.0	111	15419	0.23	5	321.6	5		7.78	0.76
918	61266	KANGA	1	1	3		1	1	21077	21	41	4123	13.4	99	13007	0.33	21	440.0	6		3.43	0.70
919	61267	KANGA	1	1	3		1	1	13775	23	87	4705	15.3	85	19075	0.21	17	92.1	5		19.93	0.66
920	61268	KANGA	1	1	3		1	1	18890	64	214	3309	15.1	113	9451	0.26	16	373.2	5		7.29	0.45
921	61269	KANGA	1	1	3		1	1	26110	9	91	2361	14.7	142	10078	0.37	8	223.9	5		7.38	0.45
922	61270	KANGA	1	1	3		1	1	30288	27	186	1755	16.0	194	9566	0.30	5	247.3	6		3.11	0.39
923	61271	KANGA	1	1	3		1	1	25124	8	183	2910	16.5	133	14626	0.53	2	247.3	6		2.59	0.44
924	61272	KANGA	1	1	3		1	1	25659	27	77	3218	17.1	138	23150	0.45	32	93.3	5		3.62	0.37
925	61273	KANGA	1	1	3		1	1	24072	49	110	2534	15.9	179	11212	0.37	11	254.6	7		6.55	0.40
926	61274	KANGA	1	1	3		1	1	27921	62	194	3478	16.3	142	14151	0.37	41	48.8	6		2.44	0.55
927	61275	KANGA	1	1	3		1	1	28211	24	107	2100	13.9	150	9218	0.45	12	164.7	7		8.60	0.41
928	61276	KANGA	1	1	3		1	1	23775	78	93	4123	11.5	201	24419	0.03	7	335.5	10		5.15	0.08
929	61277	KANGA	1	1	3		1	1	19414	21	68	2123	6.7	130	20173	0.43	3	85.2	19		6.56	0.35
930	61278	KANGA	1	1	3		1	1	28041	38	75	2461	8.6	177	23457	0.41	12	124.3	10		8.09	0.38
931	61279	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	61280	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	61281	KANGA	1	1	3		1	1	23317	61	1	1892	7.5	219	27580	0.53	17	203.3	13		3.55	0.28
934	61282	KANGA	1	1	3		1	1	35517	83	31	2265	7.8	190	21046	0.44	4	99.5	14		6.81	0.34
935	61283	KANGA	1	1	3		1	1	15350	91	5	2289	7.7	168	14165	0.49	3	184.4	10		4.39	0.32
936	61284	KANGA	1	1	3		1	1	5090	112	91	1737	8.2	172	19818	0.48	16	67.8	7		4.06	0.30
937	61285	KANGA	1	1	3		1	1	16240	78	6	1401	6.8	191	28107	0.35	16	291.7	6		3.63	0.45
938	61286	KANGA	1	1	3		1	1	18016	28	63	1073	8.9	203	27425	0.29	21	340.9	7		7.51	0.39
939	61287	KANGA	1	1	3		1	1	13480	22	132	1007	5.8	68	19173	0.36	34	139.2	8		5.15	0.38
940	61288	KANGA	1	1	3		1	1	5487	12	96	1329	7.2	170	26818	0.35	7	87.9	5		4.52	0.40
941	61289	KANGA	1	1	3		1	1	8336		76	2683	9.3	219	16179	0.39	30	143.6	4		4.37	0.40
942	61290	KANGA	1	1	3		1	1	30452	54	163	2110	7.2	221	23184	0.25	51	140.6	5		3.47	0.42
943	61291	KANGA	1	1	3		1	1	18027	93	135	2622	8.8	196	19827	0.17	40	12.3	4		4.91	0.41
944	61292	KANGA	1	1	3		1	1	30211	59	211	1551	6.7	113	21255	0.10	5	103.1	6		3.33	0.40
945	61293	KANGA	1	1	3		1	1	30531	83	164	2623	8.4	214	23028	0.13	11	17.4	4		3.66	0.38
946	61294	KANGA	1	1	3		1	1	22930	36	33	2089	6.4	142	14185	0.03	19	78.5	6		9.31	0.41
947	61295	KANGA	1	1	3		1	1	25481	52	233	1518	9.3	225	10074	0.05	14	52.6	4		8.44	0.40
948	61296	KANGA	1	1	3		1	1	25209	36	211	1791	7.5	197	21551	0.05	9	56.5	3		7.19	0.50
949	61297	KANGA	1	1	3		1	1	30678	81	223	2323	8.5	193	24518	0.03	4	7.8	4		2.41	0.64
950	61298	KANGA	1	1	3		1	1	37342	93	244	1005	7.2	132	19145	0.04	5	77.1	4		7.15	0.70
951	61299	KANGA	1	1	3		1	1	28550	56	167	1833	8.4	131	24318	0.04		86.9	3		5.22	0.55

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	OC	LCN	MN	HG	MO	ND	NI	NB	P	K	RB	SM	SC	SE	SI	AG
933	6Y301	KANGA	1	1	3	1	1	1	36012	114	317	1215	7.8	146	19103	0.02	77.9	3	1.82	0.77		
934	6Y302	KANGA	1	1	3	1	1	1	32473	57	392	1264	9.4	93	11574	0.01	84.2	3	5.04	0.60		
935	6Y303	KANGA	1	1	1	1	1	1	27572	82	345	1630	5.8	98	15615	0.02	21	3	8.02	0.41		
936	6Y304	KANGA	1	1	1	1	1	1	19336	46	302	1285	7.3	133	15585	0.01	6	55.2	2	8.15	0.42	
937	6Y305	KANGA	1	1	3	1	1	1	25419	68	338	992	6.4	142	18190	0.03	13	88.4	3	6.92	0.38	
938	6Y306	KANGA	1	1	3	1	1	1	23673	47	268	903	8.3	97	19270	0.03	1	84.9	1	2.00	0.40	
939	6Y307	KANGA	1	1	3	1	1	1	23892	135	342	2116	15.0	268	16814	0.02	1	107.1	2	7.13	0.50	
960	6Y308	KANGA	1	1	3	1	1	1	28713	373	1929	1389	13.2	272	19029	0.01	1	122.0	2	5.62	0.47	
961	6Y309	KANGA	1	1	3	1	1	1	19737	62	107	2538	6.0	101	19150	0.01	1	175.8	2	4.93	0.49	
962	6Y310	KANGA	1	1	3	1	1	1	17992	91	56	2065	3.1	123	11585	0.02	1	132.4	3	3.85	0.59	
963	6Y311	KANGA	1	1	1	1	1	1	22061	113	78	3223	3.9	84	14582	0.01	1	234.2	2	3.26	0.70	
964	6Y312	KANGA	1	1	1	1	1	1	28766	120	233	1799	11.9	249	18027	0.01	1	97.3	2	4.33	0.49	
965	6Y313	KANGA	1	1	3	1	1	1	18741	88	86	2437	7.1	99	14750	0.02	11	86.6	4	5.64	0.44	
966	6Y314	KANGA	1	1	3	1	1	1	21019	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	1	26640	134	418	1767	10.4	305	17891	0.03	1	134.9	2	5.86	0.40	
968	6Y316	KANGA	1	1	3	1	1	1	31276	121	383	1421	11.9	375	18009	0.02	1	102.3	2	8.20	0.40	
969	6Y317	KANGA	1	1	3	1	1	1	21637	154	113	3533	4.8	221	1498	1.20	9	94.2	5	7.75	0.37	
970	6Y318	KANGA	1	1	3	1	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	1	38977	81	55	1427	6.6	249	18182	0.02	1	81.5	4	3.25	0.38	
972	6Y320	KANGA	1	1	3	1	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	1	14261	46	42	1874	6.4	521	23055	0.02	1	145.1	6	4.36	0.49	
974	6Y322	KANGA	1	1	3	1	1	1	23232	72	42	2161	5.5	333	19248	0.05	7	97.3	3	4.41	0.38	
975	6Y323	KANGA	1	1	3	1	1	1	18712	18	84	2438	6.2	141	24024	0.02	2	103.6	4	6.99	0.41	
976	6Y324	KANGA	1	1	3	1	1	1	16588	67	118	3039	6.8	537	24901	0.03	5	184.8	2	3.53	0.49	
977	6Y325	KANGA	1	1	3	1	1	1	20569	26	92	1801	4.7	123	18186	0.03	5	184.8	2	9.91	0.49	
978	6Y326	KANGA	1	1	3	1	1	1	31966	46	107	2267	7.8	177	19896	0.03	12	85.3	3	5.63	0.49	
979	6Y327	KANGA	1	1	3	1	1	1	16890	29	127	1538	6.4	83	14457	0.01	7	82.1	3	7.58	0.02	
980	6Y328	KANGA	1	1	3	1	1	1	24040	26	94	2085	7.5	146	9918	0.07	1	203.0	2	7.09	0.02	
981	6Y329	KANGA	1	1	3	1	1	1	35849	59	76	1721	8.5	132	15500	0.02	10	301.0	3	8.17	0.02	
982	6Y330	KANGA	1	1	3	1	1	1	28925	27	123	2011	7.0	68	19984	0.04	21	224.1	3	5.26	0.02	
983	6Y331	KANGA	1	1	3	1	1	1	23271	42	186	1996	6.4	438	46596	0.01	1	178.4	3	6.98	0.42	
984	6Y332	KANGA	1	1	3	1	1	1	40365	19	86	2161	9.3	81	13688	0.04	1	129.4	4	3.76	0.36	
985	6Y333	KANGA	1	1	3	1	1	1	31693	22	112	1073	11.5	84	9515	0.02	12	79.2	3	4.35	0.38	
986	6Y334	KANGA	1	1	3	1	1	1	32321	46	48	1867	10.6	92	8674	0.02	26	93.1	3	5.02	0.37	
987	6Y335	KANGA	1	1	3	1	1	1	35358	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	1	28885	38	32	1751	9.9	56	21004	0.02	15	64.3	5	4.60	0.39	
989	6Y337	KANGA	1	1	3	1	1	1	32117	123	117	3350	6.9	95	21157	0.03	1	83.8	6	7.65	0.01	
990	6Y338	KANGA	1	1	3	1	1	1	15357	34	69	1832	8.1	172	16744	0.03	24	74.2	5	8.88	0.35	
991	6Y339	KAPIR	1	3	3	1	1	1	1734	7	217	16.1	16.1	89	4418	0.03	6	31.3	15	19.34	0.05	
992	6Y340	KAPIR	1	3	3	1	1	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	1	4015	5	5	131	15.9	137	4407	0.02	73	26.5	14	11.87	0.02	
994	6Y342	KAPIR	1	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	3	1	1	1	1555	63	3	219	16.3	68	4214	7.25	120	86.7	5	23.53	0.06	
996	6Y344	KAPIR	1	2	3	1	1	1	1461	54	233	14.1	106	14818	0.02	42	64.0	4	18.48	0.30		
997	6Y345	KAPIR	1	2	3	1	1	1	1726	69	230	13.8	85	14997	0.03	26	51.0	20	14.96	0.26		
998	6Y346	KAPIR	1	2	3	1	1	1	1826	3	107	58.3	178	4285	7.33	133	8.1	26	16.89	0.18		
999	6Y347	KAPIR	1	2	3	1	1	1	3231	92	3	137	44.0	183	15833	1.34	51	12.9	20	16.89	0.18	
1000	6Y348	NSALA	1	3	3	1	1	1	6793	104	3	290	39.2	148	13025	1.24	67	17.8	18	19.28	0.02	
1001	6Y349	NSALA	1	3	3	1	1	1	5472	29	311	13.6	115	4417	7.05	152	76.4	19	19.28	0.02		
1002	6Y350	NSALA	1	3	3	1	1	1	1985	58	295	12.1	176	14078	0.05	68	29.5	6	16.48	0.18		
1003	6Y351	NSALA	1	3	3	1	1	1	2618	3	140	39.0	144	1603	2.56	204	23.4	17	23.83	0.02		
1004	6Y352	NSALA	1	3	3	1	1	1	2402	31	92	203	28.9	156	1758	2.47	108	25.5	18	23.90	0.02	
1005	6Y353	NSALA	1	3	3	1	1	1	256	44	115	309	13.2	197	4175	6.95	84	36.6	9	26.04	0.02	
1006	6Y354	NSALA	1	3	3	1	1	1	846	77	185	12.1	156	7818	0.03	64	85.3	9	8.26	0.19		
1007	6Y355	NSALA	1	3	3	1	1	1	925	72	18	129	10.4	162	3891	6.55	52	42.2	6	24.29	0.08	
1008	6Y356	NSALA	1	2	3	1	1	1	1213	58	71	15.6	219	1478	3.71	335	0.9	4	24.65	0.08		

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	31	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	4834	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	DCC	LCN	NA	SR	S	TA	TE	TB	TL	TH	SR	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			6
3	6H003	TUNDU	1	1	2		1	2	0.01	2920	31			1	0.2	1.6		93	10	0.5	10
4	6H004	TUNDU	1	1	2		1	1		1850	37						0.9	182		0.8	16
5	6H005	TUNDU	1	1	2		1	1	0.01	1270	81			18		28.1	0.3	595	2	8.5	29
6	6H006	TUNDU	1	1	2		1	1	0.05	610	260			32		24.8	0.7	144	9	9.9	102
7	6H007	TUNDU	1	1	2		1	2	0.01	1300	98			21		17.4	0.9	51		2.7	24
8	6H008	TUNDU	1	1	2		4	1	0.14	1380	39				0.2	8.6	3.2	2173		14.8	34
9	6H009	TUNDU	1	1	2		4	1	0.03	1610	23			10		30.9	1.4	500	10	36.8	54
10	6H010	TUNDU	1	1	2		1	2	0.01	1680	336			12		62.2	0.8	183	6	21.7	142
11	6H011	TUNDU	1	1	2		1	2	0.01	1200	125			10	0.2	38.4	0.8	48		26.8	202
12	6H012	TUNDU	1	1	2		1	1	0.25	900	125			6		26.5	2.2	14150		22.4	39
13	6H013	TUNDU	1	1	2		1	2	0.02	740				7		1.6	0.6	139		4.9	103
14	6H014	TUNDU	1	1	2		1	2	0.08	570	56			10	0.2	15.8	1.2	3898	12	14.8	67
15	6H015	TUNDU	1	1	2		3	1	0.01	340	20			8		3.6	0.5	1620		16.0	185
16	6H016	TUNDU	1	1	2		1	2	0.02	2320	26					7.1	1.1	1702		23.7	39
17	6H017	TUNDU	1	1	2		1	1		1050	86					10.6	0.5	166		20.0	33
18	6H018	TUNDU	1	1	2		3	2	0.11	2300	251			7		9.7	0.9	469		19.4	21
19	6H019	TUNDU	1	1	2		1	1	0.03	1740	123			10	0.2	12.7	1.8	1914		28.6	125
20	6H020	TUNDU	1	1	2		1	1		1180	111			7		17.9	0.2			8.8	33
21	6H021	NKALO	1	1	3		3	1		4674	42			7	0.2	14.2	0.9	23		2.9	4
22	6H022	NKALO	1	1	3		3	2	0.05	18619	937			15		28.8	1.0	610		14.8	61
23	6H023	NKALO	1	1	3		3	1	0.06	22098	846			12		11.7	3.1	924		11.5	34
24	6H024	NKALO	1	1	3		3	1	0.10	19027	867			12	0.2	28.2		1310	3	181.5	67
25	6H025	NKALO	1	1	3		3	2	0.03	21672	1214			8		70.1		50	4	17.5	8
26	6H026	NKALO	1	1	4		4	1	0.13	965	439			7		46.3	0.6	4207		48.4	111
27	6H027	NKALO	1	2	4		4	2	0.19	570	153			7	0.2	32.1	1.3	5565	14	44.1	150
28	6H028	NKALO	1	2	4		4	1	0.14	750	214			10		62.4	2.7	3490	3	38.5	96
29	6H029	NKALO	1	2	4		4	1	0.19	422	52			6		137.2		3905	2	25.6	30
30	6H030	NKALO	1	2	4		4	1	0.21	282	161			2		45.1		1368	2	23.1	42
31	6H031	NKALO	1	2	4		4	1	0.18	8012	627			4		23.9	1.4	2263	11	23.6	4
32	6H032	NKALO	1	1	3		3	1	0.01	12387	198			6		2.4		566		5.6	19
33	6H033	NKALO	1	1	3		3	2	0.09	12976	56			8		13.3		3585		7.4	42
34	6H034	NKALO	1	1	3		3	2	0.02	10899	34			8		29.9	0.4	7410		113.2	56
35	6H035	NKALO	1	1	3		3	2	0.02	1586	96			6		25.8	0.6	15897	3	19.2	
36	6H036	NKALO	1	1	3		3	2	0.03	10197	257			4		32.4	0.6	275	4	8.3	10
37	6H037	NKALO	1	1	3		3	2	0.02	25177	476			7		39.1	0.8	26	2	12.0	
38	6H038	NKALO	1	1	3		3	2	0.02	21384	447			10	0.2	35.3	1.5	104		19.2	
39	6H039	NKALO	1	1	3		3	1	0.02	17415	572			12		41.2	0.9	259		19.2	
40	6H040	NKALO	1	1	3		3	2	0.02	16735	84			11		29.9		38		6.8	3
41	6H041	NKALO	1	1	3		3	2	0.02	1286	37			13		23.4	1.8	8776	2	564.4	173
42	6H042	NKALO	1	1	3		3	2	0.02	2111	162			16		18.2	0.3	105	4	10.2	
43	6H043	NKALO	1	1	3		3	1	0.02	3548	127			12		28.9		55	8	15.7	11
44	6H044	NKALO	1	1	3		3	1	0.03	931	88			15		29.7		152	2	12.8	7
45	6H045	NKALO	1	1	3		3	2	0.02	2856	140			3		25.5		227	2	16.0	
46	6H046	NKALO	1	1	3		3	2	0.01	2731	208			2		14.5		253	2	11.3	
47	6H047	NKALO	1	1	3		3	2	0.07	1408	73			3		21.8		102	3	9.7	4
48	6H048	NKALO	1	1	3		3	2	0.02	2320	319			5		33.4		203		9.9	
49	6H049	NKALO	1	1	3		3	2	0.02	3750	506			9		37.9	0.2	28		8.4	
50	6H050	NKALO	1	1	3		3	2	0.02	2335	192			5		30.1	0.2	298	5	16.0	29
51	6H051	NKALO	1	1	3		3	2	0.02	1341	172			17		27.7	0.6	6355		196.1	303
52	6H052	NKALO	1	1	3		3	1	0.02	1651	42			20		38.7	0.9	25		11.3	126
53	6H053	NKALO	1	1	3		3	1	0.03	1780	1192			14		35.8	0.2	52	6	29.0	36
54	6H054	NKALO	1	1	3		3	2	0.03	1050	690			15	0.2	38.4		25		27.6	
55	6H055	NKALO	1	1	3		3	1	0.03	1713	300			15	0.2	38.4		25		27.6	
56	6H056	NKALO	1	1	3		3	1	0.03	1713	300			15	0.2	38.4		25		27.6	

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

DBS	NO	SECTOR	RS	RK	RK2	ALT	OC	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					33.9	0.6	105	5	52.8	56	
58	6H058	NKALO	1	1			3	1	0.02	2351	219					27.5	0.4	53	5	77.0	80	
59	6H059	NKALO	1	1			3	1	0.03	5087	258					35.1	0.2	27	11	96.6	78	
60	6H060	NKALO	1	1			3	1	0.03	5815	977					59.8	0.5	98	10	26.7	113	
61	6H061	NKALO	1	1			3	2	0.02	18835	97					17.9		29		80.2	18	
62	6H062	NKALO	1	1			3	2	0.03	17250	52					31.4		112		26.5	78	
63	6H063	NKALO	1	1			3	1	0.04	12531	173					39.3		58	3	37.2	66	
64	6H064	NKALO	1	1			3	1	0.09	10527	556					38.2	0.7	155	5	10.1	120	
65	6H065	NKALO	1	1			3	2	0.02	7750	419					35.4		100		220.0	113	
66	6H066	NKALO	1	1			3	2	0.01	3725	37					24.2		404		131.1	43	
67	6H067	NKALO	1	2			4	2	3.57	1837	366					12.0	1.9	316	7	9.1	82	
68	6H068	NKALO	1	2			4	2	0.29	3729	284					2.1	0.6	130	8	15.0	50	
69	6H069	SALAM	1	2			4	2	2.56	3020	105					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	13	
71	6H071	SALAM	1	2			4	1	3.30	2233	56					9.0	0.6	434				
72	6H072	SALAM	1	2			4	1	3.32	1909	56					1.1	0.5	205	3	4.9		
73	6H073	SALAM	1	2			4	1	2.06	2085	127					0.4	0.9	788		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					0.2	0.4	1520	2	0.5		
76	6H076	SALAM	1	2			4	2	0.35	3805	113					8.1	0.6	602	2	0.6	54	
77	6H077	SALAM	1	2			4	2	1.07	7853	156						2.1	4.3			4.1	56
78	6H078	SALAM	1	2			4	1	3.10	8208	176					17.1	0.9	611		3.7	49	
79	6H079	SALAM	1	2			4	1	0.37	8599	177						33.3	1.5	905		1.2	51
80	6H080	SALAM	1	2			4	1	0.02	5700	105					33.4		1250		7.9	17	
81	6H081	SALAM	1	2			4	1	0.98	3255	81		2.81	12		30.1	3.2	1136		60.3	83	
82	6H082	SALAM	1	2			1	2	0.15	487	205		1.83	6		28.4	1.3	309	6	1.3	111	
83	6H083	SALAM	1	2			4	2	2.00	1870	129		2.84	8		25.9	0.7	1503	8	0.8	126	
84	6H084	SALAM	1	2			4	2	0.56	2551	142		2.00	15		62.2	1.9	1920	14	28.4	119	
85	6H085	SALAM	1	2			4	1	1.04	2915	110		2.00	19		607.1	2.0	1497	4	62.6	40	
86	6H086	SALAM	1	2			4	1	0.57	2020	99		1.62	21		81.8	1.5	1265	10	35.1	37	
87	6H087	SALAM	1	2			4	1	3.43	1817	10		2.03	28		69.7	1.0	1713	10	1.6	34	
88	6H088	SALAM	1	2			4	2	1.29	2599	109		2.04	18		57.8	2.9	1493	17	40.2	21	
89	6H089	SALAM	1	3			3	1	6.06	3330	922		1.60	15		38.2	1.3	2487	11	17.3	70	
90	6H090	CHIPA	1	2			5	2	2.61	870	72		1.86			48.9	2.8	1966	13	14.0	69	
91	6H091	CHIPA	1	2			5	1	3.10	177	126		1.60	4		26.4	1.5	2401	15	27.3	83	
92	6H092	CHIPA	1	2			5	1	2.70	182	75		1.61	3		60.1	1.8	1550	10	23.2	129	
93	6H093	CHIPA	1	2			5	1	2.75	2020	79		2.05	6		58.0	3.6	1981	6	35.4	101	
94	6H094	CHIPA	1	2			5	2	2.62	2220	77		2.25			55.0	4.1	1502		36.7	126	
95	6H095	CHIPA	1	2			5	2	1.22	3075	59		2.01	2		162.2	2.0	889		57.5	95	
96	6H096	CHIPA	1	2			5	2	2.02	2590	82		1.61	7		13.1	2.9	979	8	54.0	85	
97	6H097	CHIPA	1	2			5	1	2.56	4533	72		2.04			6.7	4.5	611	3	45.2	103	
98	6H098	CHIPA	1	2			5	1	1.81	5770	273		1.28	12		78.8	1.0	1005	3	29.0	45	
99	6H099	CHIPA	1	2			5	1	1.93	3210	127		2.09	13		80.1	2.7	201	2	53.6	12	
100	6H100	CHIPA	1	2			5	1	1.69	5355	201		1.65			145.0	2.7	488	2	52.1	31	
101	6H101	CHIPA	1	2			5	2	2.77	2100	20		1.09	6		19.0	1.2	495	2	13.4	13	
102	6H102	CHIPA	1	2			5	2	3.26	4230	89		0.43	7		15.4	1.6	307	2	30.7	42	
103	6H103	MIKOM	1	2			5	2	2.91	3788	42		1.00	7		15.4	1.6	307	2	7.1		
104	6H104	MIKOM	1	2			5	1	2.22	2655	55		0.81	11		11.9	0.9	510	4	7.6	10	
105	6H105	MIKOM	1	2			5	1	2.63	3807	45		0.59	8		15.4	1.7	418	5	6.5	14	
106	6H106	MIKOM	1	2			5	2	3.52	4444	67					21.2	1.1	689	8	12.6	46	
107	6H107	MIKOM	1	2			5	2	3.52	4444	67		0.65	13		31.3	1.7	1522	8	17.4	40	
108	6H108	MIKOM	1	2			5	2	3.91	3339	55		1.04			3.5		2220		10.6	54	
109	6H109	MIKOM	1	2			5	1	3.26	2582	42		0.64			22.1	0.7	1005		5.9	31	
110	6H110	MIKOM	1	2			5	1	4.04	1855	92		0.64			32.1	0.4	1790		12.2	16	
111	6H111	MIKOM	1	2			5	1	3.32	2584	45		0.81	6		28.9	0.3	2459		2.4	45	
112	6H112	MIKOM	1	2			5	2	2.72	3447	65		0.58	11		59.7	0.6	1776		4.4	28	

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	Y	
113	6H113	CHILW	1	1				1	0.03	5273	84		1.99	13		85.4	0.4	720	4	17.5		
114	6H114	CHILW	1	1				2		2900	50		1.59	24		71.4	0.8	2004	5	53.3	33	
115	6H115	CHILW	1	1				1		4508	70		0.43	22		895.9	0.9	1725	5	104.4	55	
116	6H116	CHILW	1	1				1	0.25	8703	122		0.60	11		32.2	1.2	1002	5	9.6	86	
117	6H117	CHILW	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	0.24	13555	69		0.56	9		49.8	0.3	1797	4	65.3	92	
119	6H119	CHILW	1	1				2	0.20	10580	97		0.63	7		25.4		1998	7	20.6	98	
120	6H120	CHILW	1	1				1	0.03	9530	60			6		78.7		505	6	16.6	92	
121	6H121	CHILW	1	2				2	0.10	258	268			8		2.8	2.2	650	5	26.1	102	
122	6H122	CHILW	1	4				2	0.20	4875	149		0.41	5		57.1	2.4	808	4	26.1	128	
123	6H123	CHILW	1	2				4	0.15	883	164		0.20	3		13.3	1.0	400	6	29.4	81	
124	6H124	CHILW	1	1				2	0.22	5077	154			3		34.2		598	6	12.5	37	
125	6H125	CHILW	1	1				2	0.25	4115	181					45.9		511	6	23.7	75	
126	6H126	CHILW	1	1				1	0.09	2873	122			2		51.8		315	6	22.5	85	
127	6H127	CHILW	1	1				1	0.10	4477	206					35.7		606	7	25.0	70	
128	6H128	CHILW	1	1				1	0.17	7893	144		0.42			31.3	0.4	213	6	19.8	80	
129	6H129	CHILW	1	1				1	0.20	10550	181					30.6		400	6	20.3	41	
130	6H130	CHILW	1	1				1	0.13	14872	101					30.2		403	2	14.8	54	
131	6H131	CHILW	1	1				1	0.21	12330	101			11		33.1	0.5	197	2	22.7	64	
132	6H132	CHILW	1	1				1	0.17	10351	67			7		50.1		293	3	6.7	54	
133	6H133	CHILW	1	1				1	0.13	7750	80			5		11.7	4.4	113	6	57.5	68	
134	6H134	CHILW	1	1				1	0.10	4720	69					45.5		203	6	33.8	42	
135	6H135	CHILW	1	1				2	0.13	3215	316					65.5	1.0	404	8	181.5	66	
136	6H136	CHILW	1	1				1	0.07	1880	329			7		74.2	0.6	212	4	201.6	41	
137	6H137	CHILW	1	1				1	0.05	6830	195			13		53.9	1.0	110	5	52.0	34	
138	6H138	CHILW	1	1				1	0.17	7557	301			10		43.4		215	5	54.1	33	
139	6H139	CHILW	1	1				1	0.11	8823	265			9		108.4	0.3	123	3	15.7	45	
140	6H140	CHILW	1	1				1	0.07	5673	465			8		83.1	0.6	177	2	36.4	39	
141	6H141	CHILW	1	1				1	0.01	11336	268			8		217.7	1.3	89	2	47.3	55	
142	6H142	CHILW	1	1				1	0.10	10867	276			9		66.6	0.7	133		24.5	44	
143	6H143	CHILW	1	1				2	0.10	10867	276			12		10.8	0.7	70		31.0	36	
144	6H144	CHILW	1	1				2	0.05	9872	13			11		12.7	0.9	98	2	35.2	30	
145	6H145	CHILW	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	0.17	4551	400		0.15	6		51.0	0.7	177	6	13.8	27	
147	6H147	CHILW	1	1				1	0.02	3875	634					80.0	0.9	98	5	20.2	16	
148	6H148	CHILW	1	1				1		896	195			3		82.2	0.2	59	5	22.7	19	
149	6H149	CHILW	1	1				2	0.01	2896	611		0.19			71.7	4.6	233	4	54.7	20	
150	6H150	CHILW	1	1				2	0.03	607	190		0.07			108.4	1.9	287	4	11.5	56	
151	6H151	CHILW	1	1				2		759	3116					446.6	0.6	986	3	18.5	23	
152	6H152	CHILW	1	1				1	0.88	4054	285			14		104.4	2.6	112	3	14.3	94	
153	6H153	CHILW	1	1				1	8.24	10577	1024					18.4	2.5	5098	2	5.2	66	
154	6H154	CHILW	1	1				1	0.71	2407	405			7		179.9	0.9	51	2	29.4	42	
155	6H155	CHILW	1	1				1	0.77	3831	465		0.39	16		86.2	1.0	160	2	23.5	26	
156	6H156	CHILW	1	1				2	0.65	2558	1109		0.21	21		479.2	1.0	605	3	79.1		
157	6H157	CHILW	1	1				1	1.05	2790	296		0.45	17		75.4	0.3	3986	4	31.2		
158	6H158	CHILW	1	1				1	0.27	8388	585		0.36	11		341.5	2.2	8152	4	18.5	42	
159	6H159	CHILW	1	1				1	3.21	2222	37			6		149.7	1.0	138		73.2	85	
160	6H160	CHILW	1	1				2	4.43	4040	468			10		345.6	0.9	407		18.3	36	
161	6H161	CHILW	1	1				4		2669	472			9		63.2	0.3	987		63.6	14	
162	6H162	CHILW	1	1				4	0.03	2020	429			6		81.8		605	7	45.1	29	
163	6H163	CHILW	1	1				4	3.58	5900	249		0.15	11		83.3	0.6	1520	8	36.2	25	
164	6H164	CHILW	1	1				4	2.95	4117	471		0.57	17		33.2	2.5	998	10	41.5	12	
165	6H165	CHILW	1	1				1	5.03	2869	423			15		291.4	1.3	2052	7	56.6	40	
166	6H166	CHILW	1	1				1	6.64	4256	388			21		72.5	0.3	805	7	65.8	40	
167	6H167	CHILW	1	1				1	3.78	4577	175		0.29	18		64.7	0.6	537		39.4		
168	6H168	CHILW	1	1				1	4.21	4494	271		0.19	19								

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

DBS	ND	SECTOR	RS	RK	RK2	ALT	OCC	LCM	NA	SR	S	TA	TE	TB	TL	TH	SN	TI	W	U	V
169	GH169	CHILW	1	1	3		1	1	3.30	4009	120		0.08	15		88.5		599	5	68.3	41
170	GH170	CHILW	1	1	2		1	1	4.43	3684	288		0.21	14		199.4	0.5	168	5	6.5	96
171	GH171	CHILW	1	1			1	1	6.64	5256	405			9	0.2	127.4	1.9	519	5	6.1	151
172	GH172	CHILW	1	1			1	1	5.00	4590	337			5		80.3	2.3	303	4	46.2	76
173	GH173	CHILW	1	1			1	1	4.55	6621	355		0.21	10		349.9	2.3	468	3	19.0	97
174	GH174	CHILW	1	1			1	1	6.77	8825	441		0.35	14		13.6	0.7	797	2	21.2	123
175	GH175	CHILW	1	1			1	1	8.12	11948	3141		0.22	20		382.2	4.9	2440	2	92.6	222
176	GH176	CHILW	1	1	3		2	2	3.11	6772	330			8		327.5	0.9	170	2	65.7	130
177	GH177	CHILW	1	1	3		1	2	3.98	7750	302					70.1	0.7	98	10	40.8	59
178	GH178	CHILW	1	1	3		1	1	4.22	4357	125					86.1	0.9	247	8	53.6	42
179	GH179	CHILW	1	1	3		1	1	4.92	3398	102					116.6		155	7	48.4	56
180	GH180	CHILW	1	1	3		1	1	3.59	3288	257					272.1	0.4	113	6	56.8	40
181	GH181	CHILW	1	1	3		1	1	0.02	8701	122		0.22			66.0	1.5	300	34		41
182	GH182	CHILW	1	1	3		1	1	0.02	8407	124		0.10			54.7	0.9	212	15		39
183	GH183	CHILW	1	1	3		1	1	0.02	8225	110		0.15			67.1	1.6	297	18		44
184	GH184	CHILW	1	1	3		1	2	0.05	2515	62					29.4	1.0	255	2		60
185	GH185	CHILW	1	1	3		1	2	0.02	5784	71					42.2		207	10		44
186	GH186	CHILW	1	1	3		1	1	0.02	5878	64					44.6		128	11		47
187	GH187	CHILW	1	1	3		1	1	0.03	2746	35					35.4		266			58
188	GH188	CHILW	1	1	3		1	1	0.03	2183	12					30.2	0.1	226			62
189	GH189	CHILW	1	1	3		1	1	0.02	2614	33					37.6		278			61
190	GH190	CHILW	1	2			4	1	0.32	2985	24					44.4		261			64
191	GH191	CHILW	1	2			4	1	0.02	2595	37					44.4		261			64
192	GH192	CHILW	1	2			4	1	0.04	945	71					29.1	0.3	273		2.3	57
193	GH193	CHILW	1	1	3		1	1	0.03	1938	41					34.1		245		0.2	65
194	GH194	CHILW	1	1	3		1	1	0.05	2384	26					30.9		347			65
195	GH195	CHILW	1	1			1	1	0.05	2155	50					43.8		248	4		71
196	GH196	CHILW	1	2			1	1	0.05	1521	94					74.7		1242	5	20.9	94
197	GH197	CHILW	1	2			1	1	0.28	1789	112					87.4		955	6	19.9	91
198	GH198	CHILW	1	2			1	2	0.22	1539	179					147.3	3.2	4898	16	13.1	413
199	GH199	CHIKA	1	2			4	2	0.29	418	47					26.1	1.0	3545		4.3	76
200	GH200	CHIKA	1	2			4	1	0.12	307	81					33.2		2874		6.8	88
201	GH201	CHIKA	1	2			4	2	0.01	248	99					39.6	1.9	3502		7.1	85
202	GH202	CHIKA	1	2			4	2	0.07	375	49					20.5	1.0	3179		2.3	82
203	GH203	CHIKA	1	2			4	1	0.04	364	77					40.4	0.3	2844		1.4	86
204	GH204	CHIKA	1	2			4	2	0.14	280	46					26.9	0.4	3966		3.6	78
205	GH205	CHIKA	1	2			4	2	0.06	351	62					18.6		2125		1.1	81
206	GH206	CHIKA	1	2			4	1	0.09	442	16					36.6		3457		1.7	74
207	GH207	CHIKA	1	2			4	2	0.14	418	73					24.4	0.6	2579		2.4	78
208	GH208	CHIKA	1	2			4	2	0.07	327	24					13.9		3457		0.7	82
209	GH209	CHIKA	1	2			4	1	0.22	454	42					17.7		4045		1.5	72
210	GH210	CHIKA	1	2			4	2	0.20	506						28.6		2419		1.0	76
211	GH211	CHIKA	1	2			4	2	0.27	603	53		0.22			16.0	0.4	3120		1.1	22
212	GH212	CHIKA	1	2			4	1	0.15	617	71					20.2	0.3	2514		0.5	83
213	GH213	CHIKA	1	2			4	2	0.06	226	42					58.1		481		0.9	12
214	GH214	CHIKA	1	2			4	2	0.02	209	56					53.4	1.1	586		12.9	27
215	GH215	CHIKA	1	2			4	1	0.08	254	49					44.1	0.9	755		13.2	29
216	GH216	MONGO	1	2			4	2	0.04	218	24					24.5		1112	3	0.3	31
217	GH217	MONGO	1	2			4	2	0.05	264	65					48.6		1545	2		26
218	GH218	MONGO	1	2			4	2	0.07	185	53					35.0		956	3		30
219	GH219	MONGO	1	2			4	1	0.09	254	40					22.2		1573			27
220	GH220	MONGO	1	2			4	1	0.25	200	37					20.1		1330			30
221	GH221	MONGO	1	2			4	2	0.19	216	40					24.3		1348	8		29
222	GH222	MONGO	1	2			4	1	0.11	449	137					10.5		2450			32
223	GH223	MONGO	1	2			4	1	0.18	515	152					15.4		3972			28
224	GH224	MONGO	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	OCC	LCN	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	2	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	5447			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	2	0.39	85	53					36.5	0.3	1341	3.9		63
235	6H235	CHAUM	1	2			4	2	0.34	89	77					51.5	0.1	11296	2.0		67
236	6H236	CHAUM	1	2			4	2	0.47	66	67	3				32.8	0.4	15891	4.4		346
237	6H237	CHAUM	1	2			4	2	0.40	47	49					51.1	0.6	9278	3		158
238	6H238	CHAUM	1	2			4	2	0.55	71	31					32.1	0.2	7215	3.2		163
239	6H239	CHAUM	1	2			4	1	0.47	40	40					45.9	0.9	16229	3.1		315
240	6H240	CHAUM	1	2			4	2	0.28	234	166		0.45			42.0	0.5	8718	2.0		40
242	6H242	ACHIR	1	2			4	2	0.26	388	62					10.9	0.5	541	0.5		13
243	6H243	ACHIR	1	2			4	2	0.15	322	51					5.4	0.3	181			18
244	6H244	ACHIR	1	2			4	2	0.30	183	35					12.6		249			21
245	6H245	ACHIR	1	2			4	1	0.14	218						8.8		353			11
246	6H246	ACHIR	1	2			4	2	0.32	147	21					14.2		314			14
247	6H247	ACHIR	1	2			4	2	0.15	172	46					7.8	0.1	415			6
248	6H248	ACHIR	1	2			4	1	0.22	148	22					4.5	0.5	266			10
249	6H249	ACHIR	1	2			4	2	0.28	180	35					9.1		254			4
250	6H250	ACHIR	1	2			4	1	0.18	109						8.1		482			7
251	6H251	ACHIR	1	2			4	1	0.24	115	30					7.7		269	0.2		3
252	6H252	ACHIR	1	2			4	2	0.16	151	31					4.6	0.2	223			3
253	6H253	ACHIR	1	2			4	1	0.22	110	12					10.1		212			3
254	6H254	ACHIR	1	2			4	2	0.19	430	91					5.0	0.9	248	0.2		25
255	6H255	ACHIR	1	2			4	2	0.20	205	63		0.21			8.9	0.3	695	0.2		6
256	6H256	ACHIR	1	2			4	1	0.31	278	17					13.4		547			6
257	6H257	ACHIR	1	2			4	2	0.20	137	37					12.0		701			8
258	6H258	ACHIR	1	2			4	2	0.19	205	87					6.4		456	0.3		10
259	6H259	ACHIR	1	2			4	1	0.38	249	54					14.6	0.1	612			8
260	6H260	ACHIR	1	2			4	2	0.17	153	52					12.8		319			14
261	6H261	ACHIR	1	2			4	2	0.30	254	80					8.7	0.5	637			12
262	6H262	ACHIR	1	2			4	1	0.18	265						13.3		733			10
263	6H263	ACHIR	1	2			4	1	0.12	312	50					17.9		554			13
264	6H264	ACHIR	1	2			4	2	0.18	170	22					14.4		613			17
265	6H265	ACHIR	1	2			4	1	0.14	255	64		0.19			6.1	0.4	656	0.2		11
266	6H266	KONGW	1	2			4	1	0.27	390	49					28.7		6215			152
267	6H267	KONGW	1	2			4	1	0.08	533	68					37.4		4237			157
268	6H268	KONGW	1	2			4	1	0.17	482	71					37.0		5345	0.5		155
269	6H269	KONGW	1	2			4	1	0.15	611	59					22.1	0.5	6817	3.3		165
270	6H270	KONGW	1	2			4	1	0.14	464	83					41.9		4119	2.2		159
271	6H271	KONGW	1	2			4	1	0.03	813	109					40.8	1.6	11519	3.6		162
272	6H272	KONGW	1	2			4	1	0.12	550	103					15.6		4718	2.6		161
273	6H273	KONGW	1	2			4	1	0.15	447	94					22.1		4770	3.3		157
274	6H274	KONGW	1	2			4	1	0.19	557	108					25.0	1.0	4455	2.3		161
275	6H275	KONGW	1	2			4	1	0.13	393	57					11.0		4217	1.0		158
276	6H276	KONGW	1	2			4	1	0.27	465	23					14.2	0.6	4939			27
277	6H277	KONGW	1	2			4	1	0.33	421	32					27.2		5891			161
278	6H278	KONGW	1	2			4	1	0.23	377	44					20.1		5120			159
279	6H279	KONGW	1	2			4	1	0.15	360	44					25.4	0.9	4137			39
280	6H280	KONGW	1	2			4	2	0.24	422						4.8	0.1	720			25

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
281	6H281	CHILO	1	3			1	1	0.38	300	16		0.10			10.7	0.7	196			
282	6H282	CHILO	1	3			1	1	0.21	225	300					8.6		155			9
283	6H283	CHILO	1	2			4	1	0.24	264	35					15.9	0.2	298			12
284	6H284	CHILO	1	3			1	1	0.15	225	23					10.9		220			10
285	6H285	CHILO	1	3			1	1	0.25	250	42		0.09			8.4	0.5	395			8
286	6H286	CHILO	1	3			3	1	0.06	151	13596	2				14.1	2.2	859			12
287	6H287	CHILO	1	3			1	1	0.43	228	141					18.6	1.0	1050			70
288	6H288	CHILO	1	3			1	1	0.12	252	173		0.11			16.7	0.3	421			5
289	6H289	CHILO	1	3			1	1	0.14	154	17					8.5	0.4	157			
290	6H290	CHILO	1	3			1	1	0.03	159	32					10.1	0.6	170			
291	6H291	KAWAN	1	2			4	1	0.19	356	139		0.13			10.0	0.9	113			
292	6H292	KAWAN	1	2			4	1	0.11	330	133					7.4	0.7	212			3
293	6H293	KAWAN	1	2			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	0.4	191			
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	195			3
298	6H298	LIPER	1	2			4	1	0.19	337	42					14.2		195		0.2	5
299	6H299	LIPER	1	2			4	2	0.35	398	49					14.1	0.1	307		0.1	2
300	6H300	LIPER	1	2			4	2	0.18	365						6.1		2115			25
301	6H301	LIPER	1	2			4	1	0.27	414	62		0.43			10.9		2480			28
302	6H302	LIPER	1	2			4	1	0.41	160	62					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					23.1	1.0	966		3.0	48
305	6H305	NSENG	1	2			5	1	0.34	81	111					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	5115		4.0	78
309	6H309	NSENG	1	2			5	1	0.46	160	56					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	1			1	1	0.04	153						6.4		51			4
314	6H314	NSENG	1	1			1	1	0.03	17	203					9.0		156			7
315	6H315	NSENG	1	1			1	1	0.13	2715	92					14.0		217			18
316	6H316	NSENG	1	3			1	1	0.04	39	37					7.2		155			8
317	6H317	NSENG	1	3			1	1	0.01	75	24					9.4		800			55
318	6M001	TUNDU	1	1	3		1	1	3.19	2896	167		0.45	24		153.2	0.3	331	8	51.7	139
319	6M002	TUNDU	1	1	4		1	2	2.55	3522	131		0.31	16		157.6		820	12	32.2	82
320	6M003	TUNDU	1	1	2		1	1	1.98	480	199		0.55	15		87.8	0.6	1205	12	35.9	114
321	6M004	TUNDU	1	1	3		1	1	2.97	3752	183	2		8		101.1		953	13	24.1	108
322	6M005	TUNDU	1	1	4		1	1	3.12	1447	238		0.96	29		82.1	1.6	1778	6	20.5	145
323	6M006	TUNDU	1	1	4		1	1	2.97	3225	186		0.62	18		55.3	1.4	1280	11	28.9	93
324	6M007	TUNDU	1	1	4		1	2	3.03	3709	599		0.65	22		44.8	0.4	2530	13	28.1	126
325	6M008	TUNDU	1	1	4		1	1	2.12	4083	395		0.31	15		69.7	1.3	5310	13	16.3	95
326	6M009	TUNDU	1	1	3		1	1	2.78	3325	352		0.12	12		97.5	5.8	4860	10	5.1	71
327	6M010	TUNDU	1	1	4		1	1	2.55	1240	6517					21.4	2.5	6210	2	5.4	83
328	6M011	TUNDU	1	1	4		1	1	4.08	811	130					102.3	0.2	12621	9	7.9	165
329	6M012	TUNDU	1	1	4		1	2	2.33	1337	241					73.2	0.2	4452	3	8.6	138
330	6M013	TUNDU	1	1	4		1	1	3.00	5893	752					69.9	0.1	2897	2	17.2	203
331	6M014	TUNDU	1	1	4		1	1	2.21	2353	470					92.1	1.9	3870	13	34.2	91
332	6M015	TUNDU	1	1	4		1	2	1.05	3399	451					57.1	0.2	1982	15	31.9	60
333	6M016	TUNDU	1	1	1		1	2	0.15	2030	2596					73.8	1.3	2013	6	35.8	58
334	6M017	TUNDU	1	1	3		1	1	0.20	2332	442					99.4	2.5	1583	12	30.8	107
335	6M018	TUNDU	1	1	3		1	1	0.09	4025	501					76.7	0.9	1220	13	23.0	61
336	6M019	TUNDU	1	1	1		1	1	0.15	4129	303					143.6	1.3	1123	13	28.9	75

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
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	0.6	371	.	18.3	46
339	6M022	MATOP	1	1	2	3	2	1	0.19	1988	167	.	.	17	.	217.9	0.6	573	17	30.2	84
340	6M023	MATOP	1	1	2	3	2	2	0.10	2020	183	3	.	18	.	202.1	1.5	735	15	24.4	51
341	6M024	MATOP	1	1	2	3	2	1	0.06	3145	168	.	.	10	.	27.6	1.6	689	9	33.4	70
342	6M025	MATOP	1	1	2	3	2	1	0.09	4127	307	1	.	12	.	20.1	0.7	1055	6	37.8	53
343	6M026	MATOP	1	1	2	3	2	1	0.05	3789	125	3	.	.	.	45.6	1.3	2354	3	19.2	86
344	6M027	MATOP	1	1	2	3	2	1	0.12	3705	97	.	.	.	.	66.5	1.0	1572	3	24.5	80
345	6M028	MATOP	1	1	2	3	2	1	0.07	4125	148	.	.	6	.	31.4	0.9	2230	11	8.7	139
346	6M029	MATOP	1	1	2	3	2	2	0.03	2955	261	.	.	8	.	58.9	1.0	2410	12	10.0	71
347	6M030	MATOP	1	1	2	3	2	2	0.08	4085	175	.	.	8	.	25.1	0.9	1988	11	6.2	171
348	6M031	MATOP	1	1	2	3	2	1	0.04	2662	208	.	.	6	.	51.0	2.9	2590	.	2.2	122
349	6M032	MATOP	1	1	2	3	2	2	0.06	4001	238	.	.	10	.	18.9	3.5	553	2	28.2	63
350	6M033	MATOP	1	1	2	3	2	1	0.98	7820	318	2	.	5	.	62.8	1.0	278	3	17.6	81
351	6M034	MATOP	1	1	2	3	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	1963	112	.	.	2	.	61.2	1.0	117	3	5.7	36
353	6M036	SONGW	1	1	2	3	1	1	1.10	10159	394	.	.	17	.	86.7	1.0	215	.	7.8	32
354	6M037	SONGW	1	1	2	3	1	2	0.01	7840	230	.	.	8	.	66.1	.	576	15	4.0	29
355	6M038	SONGW	1	1	2	3	1	1	0.05	6150	151	.	.	9	.	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	27.5	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	.	.	22	.	478.6	0.8	299	3	22.4	38
363	6M046	SONGW	1	1	2	3	4	2	3.02	8127	101	3	.	17	.	293.7	0.9	505	12	28.3	71
364	6M047	SONGW	1	1	2	3	4	2	1.75	7385	35	2	.	13	.	241.4	0.7	444	2	16.6	62
365	6M048	SONGW	1	1	2	3	4	1	1.58	8875	108	.	.	10	.	417.2	1.0	608	13	13.5	91
366	6M049	SONGW	1	1	2	3	4	2	2.97	4015	66	.	.	18	.	373.3	0.9	692	.	17.1	85
367	6M050	SONGW	1	1	2	3	4	2	1.83	7993	56	.	.	16	.	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	4129	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	9837	134	.	.	35	.	201.5	0.7	275	18	13.7	50
373	6M056	SONGW	1	1	2	3	4	2	0.32	2920	275	.	.	19	.	154.8	.	57	9	11.1	38
374	6M057	SONGW	1	1	2	3	4	2	1.20	2875	401	.	.	0.38	.	465.7	1.0	1418	25	22.7	216
375	6M058	SONGW	1	1	2	3	4	2	3.92	3729	378	.	.	0.11	.	198.9	1.1	1780	18	18.8	147
376	6M059	SONGW	1	1	2	3	4	2	3.92	3729	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	1	2	3	4	2	0.02	5116	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	1	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	.	.	10	.	159.1	0.7	720	15	15.9	28
382	6M065	SONGW	1	1	2	3	4	2	0.08	3619	405	.	.	25	.	349.2	.	153	3	20.5	26
383	6M066	SONGW	1	1	2	3	4	1	1.23	2787	82	.	.	45	.	569.1	.	367	3	47.3	41
384	6M067	SONGW	1	1	2	3	4	2	3.15	4939	125	13	.	15	.	263.9	0.5	1540	19	15.6	29
385	6M068	SONGW	1	1	2	3	4	2	7.04	11333	173	3	.	24	.	289.6	1.6	1804	3	23.9	96
386	6M069	SONGW	1	1	2	3	4	1	3.09	8898	124	5	.	13	.	198.7	1.5	1222	13	33.3	32
387	6M070	SONGW	1	1	2	3	4	2	4.23	8742	110	.	.	13	.	289.4	1.6	750	4	29.7	45
388	6M071	SONGW	1	1	2	3	4	2	3.52	9984	192	.	.	12	.	154.4	1.6	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	SONGW	1	1	2	3	4	2	2.98	9827	162	.	.	9	.	164.4	1.6	1020	12	34.4	45
391	6M074	NAMAN	1	1	2	3	5	2	2.35	7889	122	.	.	2	.	86.3	1.4	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

OBS	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			3		161.9	1.4	1112	14	29.4	52
394	6M077	NAMAN	1	2			5	2	0.97	5050	81			6		170.6	1.2	2005	11	31.0	73
395	6M078	NAMAN	1	2			5	2	2.00	2120	187					103.5	1.0	3317	9	16.2	82
396	6M079	NAMAN	1	2			5	2	0.93	3989	85			12		195.8	1.0	2583	6	19.4	59
397	6M080	NAMAN	1	2			5	1	0.17	1991	165			3		174.7	1.2	2112	11	15.2	70
398	6M081	NAMAN	1	2			5	1	0.01	323	158					16.7	1.4	4611	4	8.2	78
399	6M082	NAMAN	1	2			5	1	0.03	550	199		0.06			22.5	1.3	4147	7	9.8	91
400	6M083	NAMAN	1	2			5	2	0.02	906	1230		0.67			16.4	0.5	8973	3	1.1	87
401	6M084	NAMAN	1	2		3	5	2	0.05	2380	330		0.49			35.4	0.4	3570	2	3.1	42
402	6M085	NAMAN	1	2			5	2	0.07	2210	375		0.82			52.1	0.5	4050	11	8.0	51
403	6M086	NAMAN	1	2			5	2	0.02	2999	128		0.61			51.1	0.5	2880	19	7.2	45
404	6M087	NAMAN	1	2			5	2	0.09	1017	361	2	0.58			68.8	0.3	2250	14	8.2	58
405	6M088	NAMAN	1	2			5	2	0.02	1227	107		0.75			56.9	0.5	3003	2	7.9	75
406	6M089	NAMAN	1	2			5	2	0.01	1510	259	2	0.96			38.2	0.6	2710	17	7.1	52
407	6M090	NAMAN	1	2			5	2	0.01	1305	111		0.80			76.2	0.7	1523	4	12.9	64
408	6M091	NAMAN	1	2			5	2	0.01	82	117		0.90			61.3	0.7	1730	5	7.7	54
409	6M092	NAMAN	1	2			5	2	0.05	235	195		0.42			64.3	0.9	1325	18	11.7	75
410	6M093	NAMAN	1	2			5	2	0.10	2009	101		0.51			96.7	0.7	1702	15	9.2	34
411	6M094	NAMAN	1	2			5	1	0.05	995	180		0.26			68.4	0.8	1115	6	13.2	46
412	6M095	NAMAN	1	2			5	1	0.07	3870	270		0.39			42.5	0.8	875	13	10.2	76
413	6M096	NAMAN	1	2			5	2	0.02	2027	249		0.28			50.4	1.0	1237	8	11.4	50
414	6M097	TUNDU	1	2			3	4	0.01	4099	240		0.14			118.8	1.0	1005	4	15.1	85
415	6M098	TUNDU	1	2			4	2	0.01	2218	361		0.23			153.7	1.1	932	3	9.0	72
416	6M099	TUNDU	1	2			4	2	0.01	4890	152		0.34			26.5	1.4	1150	3	14.6	53
417	6M100	TUNDU	1	2			4	2	0.05	4057	203		0.45			20.1	1.5	780	8	12.1	91
418	6M101	TUNDU	1	2			4	1	0.01	5353	251		0.17			38.2	1.8	1264		8.6	86
419	6M102	TUNDU	1	2			4	2	0.03	4933	183		0.30			52.4	1.0	1310	21	4.3	97
420	6M103	TUNDU	1	2			4	2	0.05	5378	158		0.17			23.8	1.0	998	3	13.0	90
421	6M104	TUNDU	1	2			4	1	0.02	3793	270	2	0.24			24.9	1.0	1210	2	11.7	75
422	6M105	TUNDU	1	2			4	2	0.01	3389	156		0.32	29		67.7	0.9	887	4	5.7	96
423	6M106	TUNDU	1	2			4	2	0.03	3987	372		0.40			39.1	1.8	1155		10.8	98
424	6M107	TUNDU	1	2			4	1	0.02	4578	282	1	0.18			45.4	1.8	1272		10.3	55
425	6M108	TUNDU	1	2			4	2	0.08	2377	231		0.14			60.6	1.2	1482		9.4	67
426	6M109	TUNDU	1	2			4	2	0.05	1987	282		0.06			51.5	1.3	1332	8	5.2	109
427	6M110	TUNDU	1	2			4	2	0.01	231	106		0.21			34.3	1.6	1477		13.9	170
428	6M111	TUNDU	1	2			4	2	0.01	231	155		0.22			27.2	1.8	1556	6	7.1	80
429	6M112	TUNDU	1	2			4	2	0.02	577	201		0.08			41.9	1.7	956	4	10.0	74
430	6M113	TUNDU	1	2	2		4	1	0.03	322	232		0.14			43.6	1.0	1487	3	3.1	63
431	6M114	TUNDU	1	2			4	2	0.07	298	115		0.26			69.6	0.8	732	2	4.0	109
432	6M115	TUNDU	1	2			4	2	0.02	593	92		0.13			36.3	0.9	598		7.3	67
433	6M116	TUNDU	1	2	2		3	3	0.05	440	192	3	0.15			62.8	1.1	1980	4	9.2	92
434	6M117	TUNDU	1	2			4	2	0.01	378	131		0.22			42.1	0.7	8194	4	6.1	81
435	6M118	TUNDU	1	2			4	2	0.02	357	125		0.07			28.6	0.8	922	3	2.4	64
436	6M119	TUNDU	1	2			4	1	0.02	211	258		0.14			29.4	1.7	715	11	5.2	95
437	6M120	TUNDU	1	2			4	2	0.03	374	430			10		58.4	0.6	1022	11	1.4	76
438	6M121	TUNDU	1	2			4	2	0.01	645	374			7		341.4	0.1	720		2.4	88
439	6M122	TUNDU	1	2			4	2	0.03	974	238			12		89.3	0.2	1002		8.8	58
440	6M123	TUNDU	1	2			4	2	0.09	2843	229			4		290.4	0.1	815	4	5.3	73
441	6M124	TUNDU	1	2			4	1	0.05	3479	540		0.16			250.2	0.2	606		7.6	52
442	6M125	TUNDU	1	2			4	2	0.15	2466	606			10		386.2	0.2	537	3	8.0	58
443	6M126	TUNDU	1	2			4	2	0.22	6074	461			6		119.9	0.1	830	6	17.7	71
444	6M127	TUNDU	1	2			4	2	0.13	5948	367					103.4	0.2	720		17.0	52
445	6M128	TUNDU	1	2			4	2	0.19	4210	420			17		112.9	0.3	303		13.1	80
446	6M129	CHILW	1	1	3		1	1	0.19	4210	551			8		112.9	0.1	532		18.2	38
447	6M130	CHILW	1	1	3		1	1	0.15	4210	625			25		845.8		235		80.8	23
448	6M131	CHILW	1	1	3		1	2	1.78	7600	625					845.8		235		80.8	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	471			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	2	1.13	3925	231					204.1	1.0	157		11.1	46	
452	6M135	CHILW	1	1	3		1	2	0.72	3642	164			18		43.1	0.9	370		20.0	27	
453	6M136	CHILW	1	1	3		1	1	0.42	4857	298			2		114.8	1.0	303	2	18.3	36	
454	6M137	CHILW	1	1	3		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		5	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	3		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	4	11.1	60	
460	6M143	CHILW	1	1	3		1	1	0.72	3555	97			5		52.3	0.7	185	4	17.6	46	
461	6M144	CHILW	1	1	3		1	2	0.55	1257	69			9		85.8	1.0	200	3	10.9	23	
462	6M145	CHILW	1	1	3		1	2	0.57	1198	110			3		72.7	0.9	137	11	8.2	62	
463	6M146	CHILW	1	1	4		1	2	0.98	974	99			8		101.5	1.0	150	12	11.2	35	
464	6M147	CHILW	1	1	4		1	2	0.53	3487	157			16		433.3	1.0	177	11	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	1.03	4164	151			1		102.9	1.5	219	12	14.2	79	
467	6M150	CHILW	1	1	4		1	2	1.72	3366	206					59.8	0.9	137	8	16.0	39	
468	6M151	CHILW	1	1	4		1	1	1.67	1059	192	3	0.22			414.1	0.7	102	8	32.5	26	
469	6M152	CHILW	1	1	4		1	1	0.93	4768	451			8		69.2	0.8	120	11	12.2	60	
470	6M153	CHILW	1	1	4		5	2	1.25	9079	6547			30		1229.8	1.5	99	11	75.0	29	
471	6M154	CHILW	1	1	4		1	2	1.10	4946	596			9		226.6	0.7	250	11	23.1	55	
472	6M155	CHILW	1	1	4		1	2	0.97	6017	535			10		483.6	0.8	752	4	51.6	56	
473	6M156	CHILW	1	1	3		1	2	0.53	7748	601	14		11		561.4	1.0	398	4	22.8	34	
474	6M157	CHILW	1	1	3		1	2	1.20	5846	408					127.3	0.7	1008	6	21.6	51	
475	6M158	CHILW	1	1	3		1	2	1.79	6649	549	2				51.2	0.9	735	3	15.8	40	
476	6M159	CHILW	1	1	3		1	2	0.66	4743	472			17		455.9	0.6	803		33.5	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	591			5		307.4	1.5	2722	2	26.7	150	
479	6M162	CHILW	1	1	3		5	2	1.02	4257	1587					243.3	0.7	2025		17.0	121	
480	6M163	CHILW	1	1	2		1	2	2.56	4966	861	2				48.8	0.5	3790		19.6	190	
481	6M164	CHILW	1	1	2		1	1	0.99	3929	145					295.4	0.6	4507	4	12.1	149	
482	6M165	CHILW	1	1	2		1	1	2.02	6217	182			10		71.4	0.7	1980		12.9	182	
483	6M166	CHILW	1	1	2		1	1	1.89	5356	131	65				89.7	0.8	2505		15.0	332	
484	6M167	CHILW	1	1	2		1	1	1.35	6132	139	1		12		37.3	0.6	3330	3	12.1	122	
485	6M168	CHILW	1	1	2		3	1	1.93	3979	112					64.1	0.7	5008	5	14.4	144	
486	6M169	CHILW	1	1	2		1	1	1.02	5746	127					93.4	0.7	3790	3	10.6	121	
487	6M170	CHILW	1	1	2		1	1	0.92	4817	270			8		152.6	0.7	8725	3	17.3	267	
488	6M171	CHILW	1	1	3		1	1	1.93	5248	237			5		67.3	0.8	1988		11.4	112	
489	6M172	CHILW	1	1	2		1	1	1.87	4987	129	1				109.3	0.6	2755	4	8.2	173	
490	6M173	CHILW	1	1	2		1	1	3.39	3544	148		0.06	6		50.7	0.5	2000	3	12.2	114	
491	6M174	CHILW	1	1	2		1	1	3.05	3996	135					79.8	0.7	1115	11	8.2	150	
492	6M175	CHILW	1	1	2		3	1	4.58	2437	694		0.17	8		102.9	0.8	750	8	11.1	108	
493	6M176	CHILW	1	1	2		1	2	2.33	3764	644	2	0.15	6		48.1	0.7	589	7	10.4	83	
494	6M177	CHILW	1	1	2		1	2	4.07	4075	182	1	0.30			69.1	0.8	697	11	4.7	62	
495	6M178	CHILW	1	1	2		1	2	3.99	3459	106		0.31			93.1	0.8	340	11	6.2	43	
496	6M179	CHILW	1	1	2		1	2	7.67	3693	210		0.45			75.8		119	6	3.7	57	
497	6M180	CHILW	1	1	2		1	2	0.19	1542	539					15.1		536		2.4	59	
498	6M181	CHILW	1	2	3		4	2	0.15	1127	203			1		15.4	0.9	725		2.6	125	
499	6M182	CHILW	1	1	2		1	2	0.20	1358	233					22.2	0.6	598		3.5	118	
500	6M183	CHILW	1	1	2		3	4	0.07	1503	214			1		23.4		852		1.5	128	
501	6M184	CHILW	1	2	2		3	4	0.14	1008	132					6.0	0.3	543		1.3	122	
502	6M185	CHILW	1	1	2		4	2	0.19	1577	133			1		20.2		594		2.4	126	
503	6M186	CHILW	1	2	2		4	2	0.09	601	112					26.3	1.1	1985		0.5	65	
504	6M187	CHILW	1	2	2		4	2														

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
505	6M188	CHIKA	1	2				4	0.03	712	101					13.9	1.0	1028		1.2	60
506	6M189	CHIKA	1	2				4	0.04	233	79					18.7	0.7	2419		1.5	65
507	6M190	CHIKA	1	2				4	0.03	724	107					31.3	1.1	1548		1.0	61
508	6M191	CHIKA	1	2				4	0.02	177	92					18.2	1.1	2089		0.6	63
509	6M192	CHIKA	1	2				4	0.04	1914	389					19.0	0.7	2894	18	4.8	120
510	6M193	CHIKA	1	2				4	0.02	207	110					11.7	2.7	2505		1.3	68
511	6M194	CHIKA	1	2				4	0.03	515	93					5.4	2.6	2212		2.2	71
512	6M195	CHIKA	1	2				4	0.02	198	61					29.3	2.1	1504		3.0	64
513	6M196	CHIKA	1	2				4	0.06	413	53					11.4	2.1	2873		3.0	69
514	6M197	CHIKA	1	2				4	0.04	481	82					14.7	2.7	1514		2.2	66
515	6M198	CHIKA	1	2				4	0.05	494	351					23.6	2.8	2849	9	5.3	120
516	6M199	CHIKA	1	2				4	0.03	215	13					25.8	2.1	2537		1.6	67
517	6M200	CHIKA	1	2				4	0.05	254	47					15.1	1.8	1978		1.2	70
518	6M201	CHIKA	1	2				4	0.04	178	65					12.2	2.7	2539		1.1	72
519	6M202	CHIKA	1	2				4	0.01	489	56					17.0	1.0	3899		5.3	122
520	6M203	CHIKA	1	2				4	0.05	994	51					22.3	1.1	3124		3.7	121
521	6M204	CHIKA	1	2				4	0.09	515	18					23.1	1.5	3178		7.6	127
522	6M205	MONGO	1	2	3			4	0.06	1518	34					27.4	1.0	3453	3	8.1	124
523	6M206	MONGO	1	2	3			4	0.05	1167	45					16.0	1.0	4513		11.3	126
524	6M207	MONGO	1	2	3			4	0.07	1212	62					12.4	1.0	4127		9.4	115
525	6M208	MONGO	1	2				4	0.05	1315	30.0					20.3		3029	7	4.0	22
526	6M209	MONGO	1	2				4	0.06	1587	381					13.2		4157	1	8.2	17
527	6M210	MONGO	1	2				4	0.05	995	339					16.7	0.5	2545		4.8	21
528	6M211	MONGO	1	2				4	0.07	1454	805					15.4		4769		5.0	19
529	6M212	MONGO	1	2				4	0.06	1475	358					8.2		2509		5.0	22
530	6M213	MONGO	1	2				4	0.04	1454	261					27.1	0.3	2037		6.5	18
531	6M214	MONGO	1	2				4	0.05	1507	312					20.6		2545		7.1	23
532	6M215	MONGO	1	2				4	0.08	1507	236					10.3		2015	3	6.9	24
533	6M216	KANGA	1	1	2			1	0.10	6120	133					15.1	2.1	3402		4.6	38
534	6M217	KANGA	1	1	2			2	0.05	5029	270					17.4	2.9	3019	7	6.0	32
535	6M218	KANGA	1	1	1			1	0.05	7148	273					7.4	1.9	2548	1	6.6	28
536	6M219	KANGA	1	1	1			1	0.09	5543	233					17.6	1.8	3013		3.5	36
537	6M220	KANGA	1	1	1			1	0.08	5245	322					26.3	1.8	3033		7.9	35
538	6M221	KANGA	1	2	3			1	0.06	5919	355					44.1	4.2	3221		7.7	33
539	6M222	KANGA	1	2	3			2	0.07	5485	236					32.2	3.1	2477	3	6.0	36
540	6M223	KANGA	1	1	4			4	0.06	6009	280					40.1	2.9	2998		4.7	42
541	6M224	KANGA	1	1	4			4	0.09	6455	339					38.6	4.1	3455		5.1	34
542	6M225	KANGA	1	1	4			4	0.09	5954	191					14.3	3.2	1517		5.1	34
543	6M226	KANGA	1	2	3			1	0.03	7617	224					29.2	1.8	1919	8	6.0	48
544	6M227	KANGA	1	1	1			1	0.07	6504	206					31.3	2.6	1005	2	6.6	40
545	6M228	KANGA	1	1	1			2	0.04	5479	211					15.6	1.1	1555	13	3.2	37
546	6M229	KANGA	1	2	3			1	0.08	6018	102					24.7	1.8	2213		3.9	53
547	6M230	KANGA	1	1	4			1	0.03	8114	129					21.5	2.0	1484	3	1.8	45
548	6M231	KANGA	1	2	3			5	0.07	6120	132					15.4	3.1	1857	5	4.9	52
549	6M232	KANGA	1	1	2			1	0.09	6503	181					11.3	2.1	945	3	3.6	47
550	6M233	KANGA	1	1	2			1	0.06	5422	114					16.6	2.8	1427		2.9	52
551	6M234	KANGA	1	1	2			1	0.05	6495	158					20.9	2.0	854		3.4	44
552	6M235	KANGA	1	1	2			1	0.04	8025	132					5.4	3.6	617	6	6.0	47
553	6M236	KANGA	1	1	2			1	0.10	6174	93					12.2	1.9	719		6.9	41
554	6M237	KANGA	1	1	4			1	0.09	6198	112					10.2	2.1	539	15	6.8	44
555	6M238	KANGA	1	1	4			1	0.05	5541	60					13.1	1.8	313		9.2	36
556	6M239	KANGA	1	1	4			1	0.04	6485	73					18.3	1.6	198		7.3	34
557	6M240	KANGA	1	1	2			1	0.10	6005	41					9.1	1.0	21	8	12.1	32
558	6M241	KANGA	1	1	2			4	0.02	6211	35					8.0	0.8	44	17	29.5	31
559	6M242	KANGA	1	1	2			1	0.04	7413	26					11.1	0.9	98		10.3	34
560	6M243	KANGA	1	1	2			1	0.05	8988	37					19.1	1.8	51		12.4	31

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	DCC	LCN	NA	SR	S	TA	TE	T8	TL	TH	SN	TI	W	U	V
561	6M244	KANGA	1	1	1	1	1	1	0.03	8102	11		0.10			13.6	1.1	194		14.0	33
562	6M245	KANGA	1	2	3	2	2	2	0.03	8474	47					23.3	1.5	53		12.2	30
563	6M246	KANGA	1	1	1	1	1	1	0.01	9665	61					7.4	0.6	42		90.3	30
564	6M247	KANGA	1	2	4	2	2	2	0.09	14018	43			2		21.5	10.7	2818		5.5	68
565	6M248	KANGA	1	2	4	2	4	4	1.93	1062	41					30.5	13.7	1239		7.1	56
566	6M249	KANGA	1	2	4	2	4	2	0.09	13855	132			8		18.3	18.7	2887		3.3	98
567	6M250	KANGA	1	2	4	2	4	2	0.05	2475	117			5		50.7	12.9	2412		5.5	120
568	6M251	KANGA	1	1	2	2	2	1	0.09	8133	96			12		7.6	0.8	12	13	139.7	33
569	6M252	KANGA	1	1	4	2	2	2	0.09	7925	121			1		4.9	0.3	99	16	113.6	36
570	6M253	KANGA	1	1	4	2	2	2	0.04	7545	57			2		14.3		45	22	107.0	33
571	6M254	KANGA	1	1	4	2	2	1	0.06	6110	82			1		15.2	0.5	52	24	6.6	26
572	6M255	KANGA	1	1	4	2	2	2	0.05	6450	119			2		20.1	0.4	21	81	9.4	32
573	6M256	KANGA	1	1	4	2	2	2	0.03	7053	107			1		11.3	0.9	38	18	8.1	29
574	6M257	KANGA	1	3	1	2	2	2	0.09	6619	143			1		15.2	1.1	97	15	5.3	24
575	6M258	KANGA	1	3	1	1	1	1	0.04	8125	188					6.7		145	20	7.4	30
576	6M259	KANGA	1	1	4	2	2	2	0.05	8755	217					12.5	1.3	102	27	9.2	21
577	6M260	KANGA	1	1	4	2	2	1	0.02	6218	189					7.4		55	25	8.8	25
578	6M261	KANGA	1	1	4	2	2	2	0.03	6586	218					10.3		92	88	5.2	21
579	6M262	KANGA	1	1	4	2	2	2	0.08	6105	226					16.6		95	16	7.0	23
580	6M263	KAPIR	1	1	3	3	3	3	0.07	6614	167					6.4		57	31	17.2	26
581	6M264	KAPIR	1	1	3	3	3	3	0.10	2419	183					15.1	6.9	2475	18	10.3	120
582	6M265	KAPIR	1	1	3	3	3	1	0.05	5989	154			2		70.3	0.7	303	24	6.4	22
583	6M266	KAPIR	1	1	3	3	3	2	0.12	5111	139			1		19.2	0.9	379	18	7.8	26
584	6M267	KAPIR	1	1	3	3	3	2	0.07	4567	124			1		18.9	1.3	482	16	6.2	22
585	6M268	KAPIR	1	1	3	3	3	1	0.06	5275	140			2		8.4	0.7	193	15	5.4	31
586	6M269	KAPIR	1	1	3	3	3	2	0.13	2307	75			13		72.1	3.5	377	18	11.3	121
587	6M270	KAPIR	1	1	3	3	3	2	0.48	1418	217			2		99.4	1.1	959		8.1	83
588	6M271	KAPIR	1	1	3	3	3	3	0.40	4632	184			6		73.2	1.4	1006		16.6	80
589	6M272	KAPIR	1	1	3	3	3	1	2.58	1973	253			3		55.1	1.6	1946		6.7	86
590	6M273	KAPIR	1	1	3	3	3	3	1.00	998	221			3		54.6	1.3	1946		8.3	82
591	6M274	KAPIR	1	1	3	3	3	3	2.21	1485	184			2		138.7	1.9	1549		13.6	96
592	6M275	NSALA	1	1	3	3	3	1	2.21	1485	184			2		9.7	2.1	966		6.2	110
593	6M276	NSALA	1	1	3	3	3	4	5.16	516	168			10		116.0	0.8	3609		13.1	166
594	6M277	NSALA	1	2	4	2	2	2	0.06	503	104			1		63.0	5.1	3187	2	7.5	124
595	6M278	KONGW	1	2	4	2	2	2	1.77	915	73					18.3		936		2.7	11
596	6M279	KONGW	1	2	4	2	2	4	1.89	505	57					15.4	0.3	1543		0.9	7
597	6M280	KONGW	1	2	4	2	4	1	1.95	457	58					30.1		971		1.2	8
598	6M281	KONGW	1	2	4	2	4	1	3.82	357	69					9.4		1231		2.9	9
599	6M282	KONGW	1	2	4	2	4	1	2.58	2024	143					49.3	0.9	1315		11.5	156
600	6M283	KONGW	1	2	4	2	4	1	2.77	211	21					12.7	2.0	1937		4.1	21
601	6M284	KONGW	1	2	4	2	4	1	2.77	268	44					6.6	2.0	1495		6.2	22
602	6M285	KONGW	1	2	4	2	4	1	2.40	516	33					9.2	1.1	979		5.3	21
603	6M286	KONGW	1	2	4	2	4	1	2.42	142	49					19.3	1.0	3072		3.6	26
604	6M287	KONGW	1	2	4	2	4	1	2.58	515	27					33.7	1.0	1471		1.5	24
605	6M288	KONGW	1	2	4	2	4	2	2.26	318						22.1	1.2	2955		2.2	26
606	6M289	KONGW	1	2	4	2	4	2	2.04	501	24			1		7.4	2.0	942		0.8	21
607	6M290	KONGW	1	2	5	2	5	2	3.62	632	144			2		37.6	0.9	988		12.2	162
608	6M291	KONGW	1	2	4	2	4	1	2.00	574	64					8.7	0.9	766		1.0	17
609	6M292	KONGW	1	2	4	2	4	1	2.03	414	46			1		11.3	0.7	808		1.6	18
610	6M293	ALIGO	1	2	3	3	3	2	2.55	982	147			3		45.1	1.5	995		10.1	182
611	6M294	ALIGO	1	1	4	2	4	2	2.81	762	161			5		43.1	1.7	1583		14.3	183
612	6M295	ALIGO	1	1	4	2	4	2	2.72	550	191			2		31.2	1.9	9175		10.7	184
613	6M296	ALIGO	1	2	4	2	4	2	2.47	774	64					6.3	0.3	3077		18.2	50
614	6M297	ALIGO	1	2	4	2	4	2	2.50	4147	41					9.7	0.3	423		5.3	47
615	6M298	ALIGO	1	2	4	2	4	2	3.51	1758	135		0.08			129.1	0.8	8105		7.2	23
616	6M299	ALIGO	1	2	4	2	4	2	3.58	1556	123			6		47.6	0.9	12418		4.9	162

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	
617	6M300	ALIGO	1	2		3	4	2	1.82	379	42					8.5	0.6	617		3.0	4	
618	6M301	ALIGO	1	2		3	4	2	1.67	82	61		0.21			5.4	0.4	480		2.4	3	
619	6M302	ALIGO	1	2		3	4	2	2.89	144	75					0.7	0.7	389		1.6	5	
620	6M303	ALIGO	1	2		3	4	1	2.78	325	50					0.4	0.5	1220		1.3	4	
621	6M304	ALIGO	1	2		3	4	2	2.40	275	39					11.3	2.1	947		4.0	12	
622	6M305	ALIGO	1	1		3	4	1	3.84	159	11					593.4	2.9	9139		16.8	100	
623	6M306	KADON	1	2	1	3	4	2	4.01	104	38					1847.2	2.5	10739		82.8	105	
624	6M307	KADON	1	2		3	5	2	6.65	139	29					129.2	2.0	3245		70.4	4	
625	6M308	KADON	1	2		3	5	2	3.82	208	13					17.7	3.8	1215		19.6	20	
626	6M309	KADON	1	2		3	5	2	4.04	212	27					18.6	1.7	2984		17.1	22	
627	6M310	KADON	1	2		3	5	2	3.90	121						9.6	1.3	4127		12.5	27	
628	6M311	KADON	1	2		3	5	2	4.16	33	38	24				233.3	7.3	3674		28.0	25	
629	6M312	KADON	1	2		3	4	2	3.80	312	26					46.7	1.1	1564		5.9	158	
630	6M313	KADON	1	2		3	1	2	2.58	4125	19					15.8	1.9	3471		13.0	21	
631	6M314	KADON	1	2		3	1	2	2.70	1102						22.1	2.3	2985		15.4	24	
632	6M315	MLIND	1	2		3	3	1	1.86	955	17		0.06			36.4	3.1	3946		4.4	91	
633	6M316	MLIND	1	3		3	1	2	2.24	1271	16					14.7	4.0	5554		3.3	92	
634	6M317	MLIND	1	2		3	2	2	2.00	275	13		0.05			27.0	3.4	4929		2.9	96	
635	6M318	MLIND	1	3		3	2	0	0.03	320	44					0.4		143		0.1	7	
636	6M319	MLIND	1	3		3	2	0	0.05	515	49							198		0.4	6	
637	6M320	MLIND	1	2		3	1	1	4.16	70	80					23.1	2.8	896		0.5	7	
638	6M321	MLIND	1	3		3	1	1	0.34	881	165		0.43			16.3		8712		0.4	143	
639	6M322	MLIND	1	3		3	1	1	0.65	415	157		0.10			25.9	0.4	6947		0.9	215	
640	6M323	MLIND	1	3		3	1	1	0.75	172	173					30.1	0.7	8215		0.6	226	
641	6M324	MLIND	1	3		3	1	1	0.87	911	139					9.0	0.6	7250		0.4	231	
642	6M325	MLIND	1	3		3	1	1	0.72	316	201		0.13			13.4	0.7	8817		1.6	225	
643	6M326	MLIND	1	3		3	1	1	0.85	257	182		0.07			32.2	0.7	8465		1.0	240	
644	6M327	MLIND	1	3		3	1	1	0.72	456	161					15.4	1.0	9659		0.5	221	
645	6M328	MLIND	1	3		3	1	2	0.84	1060	179					22.1	1.3	8347		0.4	215	
646	6M329	MLIND	1	3		3	1	2	0.75	418	192					15.8	0.6	9766		1.5	229	
647	6M330	MLIND	1	3		3	1	0	0.79	275	152					37.6	0.4	8961		2.4	218	
648	6M331	MLIND	1	3		3	1	1	0.79	1273	176		0.06			46.7	0.4	10462		1.1	246	
649	6M332	MLIND	1	3		3	1	1	0.84	1414	143		0.06			27.6	0.3	9417		1.0	235	
650	6M333	MLIND	1	3		3	1	2	0.83	482	151		0.08			19.8	0.9	9984		1.6	227	
651	6M334	MLIND	1	3		3	1	2	3.34	2277	35					6.2	0.7	5251		4.9	52	
652	6M335	MLIND	1	3		3	1	2	0.30	483	203					12.4	2.1	13987		0.7	191	
653	6Y001	TUNDU	1	1	2		1	2	0.05	1373	57					0.3	1.8	2254		8.2	248	
654	6Y002	TUNDU	1	1	2		1	2	0.03	17539	48					0.8	1.4	2254		11.0	179	
655	6Y003	TUNDU	1	1	2		1	2	0.04	1377	18					0.2	1.1	3549			279	
656	6Y004	TUNDU	1	1	2		1	2	0.07	5723	434							2.1	3325		0.3	231
657	6Y005	TUNDU	1	1	2		1	2	0.08	4474	88							2.1	2988		1.0	315
658	6Y006	TUNDU	1	1	2		1	2	0.14	3831	134							2.6	21029		1.0	252
659	6Y007	TUNDU	1	1	2		1	2	0.03	10834	36					5.1	4.2	3637		18.7	420	
660	6Y008	TUNDU	1	1	2		1	2	0.05	9734	149					5.6	2.1	2055		22.1	77	
661	6Y009	TUNDU	1	1	2		1	1	0.09	11735	47					12.3	1.2	1983		15.3	77	
662	6Y010	TUNDU	1	1	2		1	1	0.03	3007	101							1250		20.0	41	
663	6Y011	TUNDU	1	1	2		1	2	0.05	10159	150							0.6	908		0.6	67
664	6Y012	TUNDU	1	1	2		1	2	0.05	12135	51					7.2	3.0	1590		23.5	321	
665	6Y013	TUNDU	1	1	2		1	2	0.18	9588	39					16.1	0.5	1112		6.3	118	
666	6Y014	TUNDU	1	1	2		1	2	0.31	10269	17					18.9	0.7	1291		6.1	17	
667	6Y015	TUNDU	1	1	2		1	2	0.02	10375	46					24.4		1055		9.8	138	
668	6Y016	TUNDU	1	1	2		1	1		1477						50.6		1444		2.7	7	
669	6Y017	TUNDU	1	1	2		1	2	0.02	898	22					7.3	0.6	44		2.7		
670	6Y018	TUNDU	1	1	2		1	2		5353						2.4		45				
671	6Y019	TUNDU	1	1	2		1	2		14521	160					251.2	0.9	373		20.5	35	
672	6Y020	TUNDU	1	1	2		1	2	4.08	706	218					1.8	0.6	3259			53	

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

DBS	NO	SECTOR	AS	RK	RK2	ALT	OCC	LCN	NA	SR	S	TA	TE	TB	TL	TH	SN	TI	W	U	V
673	6Y021	TUNDU	1	1	2		1	2	0.98	11158	28			10		0.9		1584			134
674	6Y022	TUNDU	1	1	2		1	2	0.50	24179	40			14		13.1		753			21
675	6Y023	TUNDU	1	1	2		1	2	0.26	27643	36					0.4		58			
676	6Y024	TUNDU	1	1	2		1	2	0.15	25836	103			7		6.1		578			
677	6Y025	TUNDU	1	1	2		1	1	0.10	26443	68					20.9	0.8	480			
678	6Y026	TUNDU	1	1	2		1	1	0.20	23547	119			15		12.8		888			6
679	6Y027	TUNDU	1	1	2		1	1	0.09	24722	127			8			0.9	1523			97
680	6Y028	TUNDU	1	1	2		1	2	0.18	18855	128			10		0.9		1052			61
681	6Y029	TUNDU	1	1	2		1	2	0.04	18527	105						1.4	1750			80
682	6Y030	SONGW	1	1	2		2	2	0.03	7255	49							1150			12.1
683	6Y031	SONGW	1	1	2		2	2	0.03	1838	99		0.67	44		815.2	0.5	966		109.1	48
684	6Y032	SONGW	1	1	2		4	2	0.01	3219	110			32		132.6		398			
685	6Y033	SONGW	1	2			4	1	0.03	3346	98			33		156.9		405		78.3	
686	6Y034	SONGW	1	3			2	1	0.01	2579	51		0.38	41		659.1	0.8	666		89.5	57
687	6Y035	SONGW	1	1	1		2	2	0.03	6533	26			29		114.0		250		83.1	82
688	6Y036	SONGW	1	1	1		2	2	0.03	7043	55			19		142.3	0.9	160		57.7	74
689	6Y037	SONGW	1	1	1		2	2	0.08	4547	185			16		132.4	2.1	660		63.4	59
690	6Y038	SONGW	1	1	1		2	2	0.12	4396	26			25		148.9		497		48.1	91
691	6Y039	SONGW	1	2			4	2	0.14	1168	178			42		526.6	7.0	9694		70.9	544
692	6Y040	SONGW	1	1	1		4	2	0.10	4783	139			30		167.6	2.0	705		107.5	29
693	6Y041	SONGW	1	1	1		4	2	0.05	14150	37			34		222.5		652		102.0	136
694	6Y042	SONGW	1	1	1		4	2	0.03	12537	99			37		155.1		223		92.7	110
695	6Y043	SONGW	1	1	1		4	2	0.01	17480	152			31		182.6		255		98.1	50
696	6Y044	SONGW	1	1	1		4	2	0.02	18055	24			28		145.4		387		101.8	86
697	6Y045	SONGW	1	2			4	2		19934	55			33		511.3		89		113.6	22
698	6Y046	SONGW	1	2			4	2	0.04	894	178			15		370.4	4.5	7551	22	75.5	104
699	6Y047	SONGW	1	1	2		2	2		7409	66			23		313.8	0.9	506		43.9	42
700	6Y048	SONGW	1	1	2		2	2	0.03	3750	86			8		176.7		688	3	34.3	74
701	6Y049	SONGW	1	1	2		2	2	0.02	2575	44			14		165.2		650	5	38.1	49
702	6Y050	SONGW	1	1	2		4	2	0.01	3837	51			6		127.1	0.8	505		34.9	114
703	6Y051	SONGW	1	1	2		4	2	0.01	6875	87			20		153.4	1.4	352	2	37.5	55
704	6Y052	SONGW	1	1	2		4	2	0.03	6070	52			18		135.5	0.9	725		40.7	25
705	6Y053	SONGW	1	3			4	2	0.01	3110	88			11		152.8		405		33.1	73
706	6Y054	SONGW	1	1	2		4	2	0.05	1973	92					168.1	0.8	353		43.9	57
707	6Y055	SONGW	1	1	2		4	2	0.02	1894	178			13		157.6		389		25.2	94
708	6Y056	SONGW	1	1	2		4	2	0.01	2453	83			9		270.3		352		40.5	56
709	6Y057	SONGW	1	1	2		4	2	0.02	3940	401			7		160.1		935		45.0	49
710	6Y058	SONGW	1	3			4	2	0.04	4282	1147			23		432.0		2640		72.2	143
711	6Y059	SONGW	1	1	2	6	4	2	0.01	17016	165			19		239.3	0.5	787		52.8	53
712	6Y060	SONGW	1	1	2		4	2	0.01	15877	305			13		120.6		850		58.3	46
713	6Y061	SONGW	1	1	2		1	2	0.06	17180	41		0.32	38		140.6	0.9	959		40.3	172
714	6Y062	SONGW	1	1	2		1	2	0.01	15574	234					140.6		552		16.9	150
715	6Y063	SONGW	1	1	2		1	2	0.01	15976	124			6		111.4	1.2	650		20.5	19
716	6Y064	SONGW	1	1	2		1	2	0.02	2946	101			26		256.3		294	5	55.0	96
717	6Y065	SONGW	1	1	2		1	1		2966	79			21		154.5		493	4	48.1	90
718	6Y066	SONGW	1	1	2		1	1		1484	97			36		578.7		800		27.0	85
719	6Y067	SONGW	1	1	2		1	1	0.01	2954	88			37		474.6	1.4	288		34.2	131
720	6Y068	SONGW	1	1	2		1	2	0.03	3179	51			25		137.1		46		17.8	49
721	6Y069	SONGW	1	1	2		4	2		1218	73			7		127.0	0.8	202		22.8	32
722	6Y070	SONGW	1	1	2		1	1	0.01	12860	167			17		113.0	0.7	118	4	5.4	66
723	6Y071	SONGW	1	1	2		1	1		1787	201			41		380.4		3314		1.1	85
724	6Y072	SONGW	1	1	2		1	1	0.03	9248	58			31		140.3	0.5	674		31.5	109
725	6Y073	SONGW	1	1	2		1	1	0.08	13974	55			45		181.2		667		271.0	92
726	6Y074	SONGW	1	1	2		1	1	0.03	12500	125			41		148.9		370		24.6	166
727	6Y075	SONGW	1	1	2		1	2	0.01	12974	26					155.8		257		27.6	25
728	6Y076	SONGW	1	1	2		1	2												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			44		145.0	0.70	202		18.4	48
730	6Y078	SONGW	1	1	2		1	2	0.02	12751	74			56		18.2		188		16.2	10
731	6Y079	SONGW	1	1	2		1	2	0.03	21207	55			48		174.1	0.80	167		2.7	79
732	6Y080	NAMAN	1	2			5	2	1.05	785	210					55.0		636		8.1	110
733	6Y081	NAMAN	1	2			5	2	6.77	250	820					23.4	1.00	2886		6.9	128
734	6Y082	NAMAN	1	2			5	1	1.27	944	748					13.8		1388		2.3	50
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	0.50	484	175					23.4	1.00	1857		2.0	100
737	6Y085	NAMAN	1	2			5	3	0.63	785	134			3		33.9		1120		3.4	10
738	6Y086	NAMAN	1	3			5	5	0.27	61	251			1		18.0		819			33
739	6Y087	NAMAN	1	2			5	1	0.92	125	220			2		12.0		1780			188
740	6Y088	NAMAN	1	2			5	1	0.57	98	25					5.4		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			143
744	6Y092	NAMAN	1	1			5	1	3.02	191						18.3	2.20	1450		2.1	84
745	6Y093	NAMAN	1	3			1	1	2.23	451	52					31.4	1.80	1775			49
746	6Y094	NAMAN	1	3			3	2	0.99	207	20					35.9	0.09	2008		4.3	40
747	6Y095	NAMAN	1	3			3	2	1.98	310	36					10.2		1520		1.9	105
748	6Y096	NAMAN	1	3			1	1	2.69	123	63					17.1		879		4.5	5
749	6Y097	NAMAN	1	3			1	1	1.93	110	101			4		6.8	1.10	720		1.7	20
750	6Y098	NAMAN	2	3			1	1	2.05	154	26					9.4		953		4.8	58
751	6Y099	NAMAN	1	3			1	1	1.53	129				12		15.9	1.20	535			13
752	6Y100	NAMAN	1	3			1	1	2.27	131	34					27.8	0.80	630			8
753	6Y101	NAMAN	1	3			1	1	1.52	125	58			2		8.6	1.40	351			
754	6Y102	NAMAN	1	3			1	1	1.97	105	96			3		13.7		720		2.3	
755	6Y103	NAMAN	1	3			1	1	1.03	147	75					21.0	0.80	505		1.8	7
756	6Y104	NAMAN	2	3			1	1	2.57	198	45					15.0		850			10
757	6Y105	NAMAN	1	3			1	1	3.03	108	35					13.0		603		3.5	22
758	6Y106	NAMAN	1	3			1	1	1.52	120	101					24.3	1.10	751		1.7	
759	6Y107	NAMAN	1	3			1	1	1.13	139	42			1		36.2		498		4.1	6
760	6Y108	NAMAN	1	3			1	1	2.31	130	48			1		12.9		715		4.0	11
761	6Y109	NAMAN	1	3			1	1	1.51	207	76			6		3.1		350		1.8	45
762	6Y110	NAMAN	1	3			1	1	1.26	198	103					1.4		603			
763	6Y111	NAMAN	1	3			1	1	0.98	254	79					8.1	1.20	269			
764	6Y112	NAMAN	1	3			1	1	1.77	217	89					8.1		798		2.5	17
765	6Y113	NAMAN	1	3			1	1	1.62	298	63					9.9	0.40	2037		3.4	42
766	6Y114	NAMAN	1	3			1	2	0.93	17554	94					16.2	0.80	668		4.8	82
767	6Y115	TUNDU	1	1	2		1	2	0.43	19173	104			13		8.6		854		2.3	47
768	6Y116	TUNDU	1	1	2		1	2	0.13	23079	112					6.5	1.10	643		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			6		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			9		1.8	1.00	566		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			12		10.6		480		1.0	43
776	6Y124	TUNDU	1	1	2		2	2	0.21	4557	146					5.1		620		3.5	56
777	6Y125	TUNDU	1	1	2		2	2	0.08	2107	166			10		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		0.1	16
780	6Y128	TUNDU	1	1	2		2	2	0.09	20539	68					0.4	0.80	157			
781	6Y129	TUNDU	1	1	2		2	2	0.05	22796	31			1		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	OCC	LCN	NA	SR	S	TA	TE	TB	TL	TH	SN	TI	W	U	V
785	6Y133	TUNDU	1	1	2	2	1	0.19	8796	110.0						8.0		785		3.1	55
786	6Y134	TUNDU	1	1	2	2	2	0.58	4115	360.0						7.9		1025		2.7	24
787	6Y135	TUNDU	1	1	2	2	1	0.39	4235	249.0						13.6	0.8	553		2.5	114
788	6Y136	TUNDU	1	1	2	4	2	1.88	3228	875.0						10.8		5587		7.7	251
789	6Y137	TUNDU	1	1	2	4	2	1.22	3989	550.0						16.1		870		4.3	
790	6Y138	TUNDU	1	1	2	2	2	0.98	7979	149.0						0.9	1.2	530		12.8	135
791	6Y139	TUNDU	1	1	2	2	2	1.99	13055	11.0								275		1.6	46
792	6Y140	TUNDU	1	1	2	2	1	0.87	11796	40.0							1.1	660		1.3	62
793	6Y141	TUNDU	1	1	2	2	2	0.30	12922									94			
794	6Y142	TUNDU	1	1	2	2	2	0.76	16156	25.0						9.2		450		1.9	42
795	6Y143	TUNDU	1	1	2	2	2	0.45	20261	59.0						10.4	1.8	296		13.4	57
796	6Y144	TUNDU	1	1	2	2	1	0.03	18424	12.0						9.3	2.9	863			56
797	6Y145	TUNDU	1	1	2	2	2	0.09	18554	148.0						9.8	1.4	495			
798	6Y146	CHILW	1	1	3	1	2	0.12	7474	2738.0						1265.9	3.7	540		2.0	
799	6Y147	CHILW	1	1	3	1	1	0.01	4495	195.0						439.8	1.0	352		88.9	17
800	6Y148	CHILW	1	1	3	1	1	0.01	4991	1749.0						45.7		673		150.4	44
801	6Y149	CHILW	1	1	3	1	1	0.05	4075	16.2						40.7	1.2	353		54.3	115
802	6Y150	CHILW	1	1	3	1	1	0.03	3196	959.0						31.9		275		11.6	55
803	6Y151	CHILW	1	3	2	3	2	0.05	1351	3078.0		1.11				18.9		110		15.4	59
804	6Y152	CHILW	1	1	2	1	2	0.05	1788	280.0						10.8	1.2	404		28.4	
805	6Y153	CHILW	1	1	2	1	2	0.09	1974	190.0						5.4	0.8	257		10.8	27
806	6Y154	CHILW	1	1	2	1	1	0.01	2953	140.0						2.9	0.6	464		8.3	48
807	6Y155	CHILW	1	1	2	1	1	0.01	1253	175.0						31.3		157		36.4	96
808	6Y156	CHILW	1	1	2	1	1	0.01	1977	160.0						24.6	1.4	402		5.0	17
809	6Y157	CHILW	1	1	2	1	1	0.05	1784	92.0						11.7	1.8	338		2.3	
810	6Y158	CHILW	1	1	2	1	1		1974	116.0						18.9		110		4.5	30
811	6Y159	CHILW	1	1	2	1	1	0.01	2055	130.0						5.4	0.8	257		6.5	14
812	6Y160	CHILW	1	1	2	1	1	0.03	2174	235.0						17.1	1.2	277		9.1	26
813	6Y161	CHILW	1	1	2	1	1	0.01	1746	251.0						5.1	2.0	205		21.3	9
814	6Y162	CHILW	1	1	2	1	1	0.05	2558	190.0						8.9		315		26.1	38
815	6Y163	CHILW	1	1	2	1	1	0.09	2249	231.0						20.6		221		13.0	22
816	6Y164	CHILW	1	1	2	1	1	0.03	1784	188.0						27.4	2.2	330		18.7	73
817	6Y165	CHILW	1	1	2	1	1	0.01	1598	151.0						13.3	2.4	478		24.5	29
818	6Y166	CHILW	1	1	2	1	1	0.05	2898	222.0						16.3		275		11.7	
819	6Y167	CHILW	1	1	2	1	1	0.01	1917	160.0						7.3		350		15.9	23
820	6Y168	CHILW	1	1	2	1	1	0.03	2005	149.0						25.4	0.9	407		10.6	12
821	6Y169	CHILW	1	1	2	1	1	0.03	2175	192.0						32.9		128		8.8	39
822	6Y170	CHILW	1	1	2	1	1	0.01	1912	136.0						15.3		450		6.1	130
823	6Y171	CHILW	1	1	2	1	1	0.01	3257	151.0						1.3		287		6.2	65
824	6Y172	CHILW	1	1	2	1	1	0.02	2438	152.0						5.4	0.8	335		12.7	118
825	6Y173	CHILW	1	1	2	1	1	0.01	3898	126.0						13.2	0.6	159			42
826	6Y174	CHILW	1	1	2	1	1	0.03	4222	68.0						6.4	1.0	278			22
827	6Y175	CHILW	1	1	2	1	1	0.05	3749	121.0						8.7		202			67
828	6Y176	CHILW	1	1	2	1	1	0.01	2105	102.0						12.4		405		12.8	89
829	6Y177	CHILW	1	1	2	1	1	0.05	2782	117.0						19.1	2.1	220		1.6	24
830	6Y178	CHILW	1	1	2	1	1	0.01	2505	149.0						6.8	2.5	106		7.9	42
831	6Y179	CHILW	1	1	2	1	1	0.03	2498	192.0						13.2		159		9.3	62
832	6Y180	CHILW	1	1	2	1	1	0.02	2588	202.0						6.3	1.4	279		20.5	61
833	6Y181	CHILW	1	1	2	1	1	0.02	2757	79.0						74.2	2.1	122		8.2	53
834	6Y182	CHILW	1	1	2	1	1	0.06	2384	57.0						80.9	2.0	198		6.4	75
835	6Y183	CHILW	1	1	2	1	1	0.04	2415	24.0						84.6	1.9	282		9.1	48
836	6Y184	CHILW	1	1	2	1	1	0.05	3105	43.0						78.3	1.8	154		7.3	62
837	6Y185	CHILW	1	1	2	1	1	0.05	2831	54.0						78.1	1.9	291		6.0	65
838	6Y186	CHILW	1	1	2	1	1	0.07	3788	26.0						89.0	1.2	755		5.2	85
839	6Y187	CHILW	1	1	2	1	1	0.03	3919	25.0						93.0	1.6	815		3.3	77
840	6Y188	CHILW	1	1	2	1	1	0.04	3815	51.0						90.1	1.2	827		4.0	109

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	
841	6Y189	CHILW	1	1	2		1	1	0.05	3111	40			9		99.2	2.0	413	3	5.1	141	
842	6Y190	CHILW	1	1	2		1	1	0.03	6601	59			6		135.9		500	3	9.4	67	
843	6Y191	CHILW	1	1	2		1	2	0.05	4118	36			18		93.8	1.3	1925	8	41.6	206	
844	6Y192	CHILW	1	1	2		1	2	0.13	7815				10		80.4		1741	11	27.1	173	
845	6Y193	CHILW	1	1	2		1	2	0.08	7546	98			15		12.6	1.0	218	5	15.2	118	
846	6Y194	CHILW	1	1	2		1	1	0.10	9326	114			12		7.1	1.2	104		17.3	36	
847	6Y195	CHILW	1	1	2		1	1	0.11	5119	78			7		18.1	1.1	145		12.7	42	
848	6Y196	CHILW	1	1	2		1	1	0.19	4191	94			11		10.9	1.2	254		14.1	55	
849	6Y197	CHIKA	1	2			3	1	4.23	877	170			7		19.4	2.9	5622			11	
850	6Y198	CHIKA	1	3			4	1	4.18	825	153			7		19.6	2.8	4759		1.1	7	
851	6Y199	MONGO	1	2			4	1	4.63	282	33			7		8.6	0.8	217		7.9	15	
852	6Y200	MONGO	1	2			4	2	4.22	1028	82			7		15.8	2.2	331	5	12.5	25	
853	6Y201	KANGA	1	1	3		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	0.09	49285	133			3		20.5	1.5	312	38	9.9	30	
855	6Y203	KANGA	1	1	3		1	1	0.10	34190	141			2		14.4	1.3	350	48	16.3	16	
856	6Y204	KANGA	1	1	3		1	1	0.10	38761	173			1		20.0	1.5	245	42	10.4	27	
857	6Y205	KANGA	1	1	3		1	1	0.13	42827	201			1		12.1	1.2	202	37	12.1	31	
858	6Y206	KANGA	1	1	3		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	0.12	31027	156			1		18.4	1.9	217	40	9.9	17	
860	6Y208	KANGA	1	1	3		1	1	0.10	24580	182			1		12.4	1.8	254	32	15.2	30	
861	6Y209	KANGA	1	1	3		1	1	0.15	30254	99			1		13.2	1.7	458	40	17.0	19	
862	6Y210	KANGA	1	1	3		1	1	0.14	33136	142			1		17.9	1.5	213	49	12.5	16	
863	6Y211	KANGA	1	1	3		1	1	0.04	28335	176			1		16.0	0.6	162	45	14.8	25	
864	6Y212	KANGA	1	1	3		1	1	0.09	25510	217			1		11.4	1.1	194	38	11.3	28	
865	6Y213	KANGA	1	1	3		1	1	0.08	29146	167			1		15.1	1.5	294	47	17.9	24	
866	6Y214	KANGA	1	1	3		1	1	0.11	27850	148			1		15.9	0.9	422	41	11.7	25	
867	6Y215	KANGA	1	1	3		1	1	0.07	34159	175			1		12.9	1.3	417	50	15.3	35	
868	6Y216	KANGA	1	1	3		1	1	0.12	44501	170			7		21.8	0.9	495	46	17.2	18	
869	6Y217	KANGA	1	1	3		1	1	0.14	34986	82		0.11	1		15.3	1.1	344	42	8.1	31	
870	6Y218	KANGA	1	1	3		1	1	0.09	39817	105			1		17.1	1.1	518	45	13.7	20	
871	6Y219	KANGA	1	1	3		1	1	0.10	34180	184			7		18.0	1.4	646	49	15.4	35	
872	6Y220	KANGA	1	1	3		1	1	0.09	32100	211			7		24.0	1.3	1894	43	10.3	30	
873	6Y221	KANGA	1	1	3		1	1	0.03	32851	228		0.08	8		27.4	1.6	547	34	16.0	18	
874	6Y222	KANGA	1	1	3		1	1	0.05	36161	233			1		15.2	0.7	518	42	23.7	30	
875	6Y223	KANGA	1	1	3		1	1	0.04	44170	226			1		18.9	0.6	420	37	9.9	21	
876	6Y224	KANGA	1	1	3		1	1	0.06	33487	226			1		10.4	0.3	655	29	13.1	29	
877	6Y225	KANGA	1	1	3		1	1	0.09	40118	192			1		22.5	1.2	506	39	20.4	19	
878	6Y226	KANGA	1	1	3		1	1	0.07	31185	219		0.07	7		15.4	1.4	333	30	25.3	32	
879	6Y227	KANGA	1	1	3		1	1	0.05	44800	226			1		15.3	1.3	98	40	17.4	13	
880	6Y228	KANGA	1	1	3		1	1	0.02	42189	222			1		10.1	1.1	146	35	74.7	20	
881	6Y229	KANGA	1	1	3		1	1	0.05	45123	236			1		2.1	1.2	57	49	20.8	26	
882	6Y230	KANGA	1	1	3		1	1	0.03	54121	132			10		7.1	1.3	966	35	65.4	19	
883	6Y231	KANGA	1	1	3		1	1	0.03	6701	130			11		0.3	1.2	55	35	106.3	12	
884	6Y232	KANGA	1	1	3		1	1	0.04	61825	119		0.24	7		7.1	1.3	835	22	25.9	8	
885	6Y233	KANGA	1	1	3		1	1	0.03	9150	361			9		4.9	1.6	56	21	47.8	11	
886	6Y234	KANGA	1	1	3		1	1	0.05	61057	201			10		5.1	1.3	98	22	26.3	6	
887	6Y235	KANGA	1	1	3		1	1	0.04	54187	106		0.19	10		7.6	1.0	102	22	46.0	14	
888	6Y236	KANGA	1	1	3		1	1	0.03	68914	132		0.05	9		7.6	1.0	197	38	57.3	17	
889	6Y237	KANGA	1	1	3		1	1	0.07	4116	81		0.07	10		0.5	1.1	305	16	30.9	17	
890	6Y238	KANGA	1	1	3		1	1	0.03	73199	94		0.06	7		0.5	1.1	112	32	28.4	10	
891	6Y239	KANGA	1	1	3		1	1	0.03	83291	337			9		3.1	1.3	57	28	8.1	13	
892	6Y240	KANGA	1	1	3		1	1	0.02	79466	238		0.05	7		1.0	2.0	22	26	6.9	29	
893	6Y241	KANGA	1	1	3		1	1	0.02	85684	1531		0.21	7		0.7	1.0	97	36	12.1	24	
894	6Y242	KANGA	1	1	3		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	0.02	74664	382		0.05	6		8.1	1.1	191	35	6.1	16	
896	6Y244	KANGA	1	1	3		1	1	0.03	7125	341		0.05	7								

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OBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	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	462	17	0.08	6		36.2	5.2	1296	92	18.3	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	2833	26		0.06	7		0.8				133.0	
901	6Y249	KANGA	1	1	3		1	1	0.04	54509	37			8		1.1	1.1	94		86.9	8
902	6Y250	KANGA	1	1	3		1	1	0.06	59184	37			7			1.7	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	0.04	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	51760	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	63	24.0	52
917	6Y265	KANGA	1	1	3		1	1	0.03	44322	246			9		15.2	0.9	233	44	49.5	43
918	6Y266	KANGA	1	1	3		1	1	0.04	13915	501			10		35.4	1.1	236	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		25.3	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	15.3	63
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	29817	307			10		27.2	2.0	428	23	14.0	63
927	6Y275	KANGA	1	1	3		1	1	0.04	26133	268			11		31.0	1.9	212	28	6.6	37
928	6Y276	KANGA	1	1	3		1	1	0.03	6419	246		0.07	10		29.6	3.1	287	32	7.9	111
929	6Y277	KANGA	1	1	3		1	1	0.03	10025	221			10		38.9	1.9	898	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	7	9.4	64
934	6Y282	KANGA	1	1	3		1	1	0.03	18715	196			9		29.6	3.5	932	13	8.0	76
935	6Y283	KANGA	1	1	3		1	2	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	27518	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	141			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	35
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	2	0.03	13917	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	173		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	97			6		13.6	2.9	230	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	15507	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		0.25	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	MA	SR	S	TA	TE	TB	TL	TH	SN	TI	W	U	V
933	6Y301	KANGA	1	1	3	1	1	1	0.01	21544	101		0.21			11.3	1.3	91	40	4.1	33
934	6Y302	KANGA	1	1	3	1	1	1	0.02	22587	82		0.25	5		6.2	2.1	147	30	5.7	26
935	6Y303	KANGA	1	1	1	1	1	1	0.03	16175	77		0.30	6		10.3	1.9	122	23	3.5	43
936	6Y304	KANGA	1	1	3	1	1	1	0.02	26109	94		0.21	4		11.8	1.8	196	32	5.1	27
937	6Y305	KANGA	1	1	3	1	1	1	0.03	18719	62		0.19	6		10.1	2.5	353	43	9.0	16
938	6Y306	KANGA	1	1	3	1	1	1	0.02	24170	81		0.11	7		10.8	3.0	150	39	5.0	13
939	6Y307	KANGA	1	1	3	1	1	1	0.02	20105	43		0.06			12.0	3.3	659	15	11.9	42
940	6Y308	KANGA	1	1	3	1	1	1	0.03	15973	64					14.2	3.5	729	17	8.6	32
941	6Y309	KANGA	1	1	3	1	1	1	0.03	48913	42			6		14.9	1.3	28	64	8.5	21
942	6Y310	KANGA	1	1	3	1	1	1	0.03	58174	27			5		12.2	1.5	39	72	12.1	29
943	6Y311	KANGA	1	1	3	1	1	1	0.02	52283	36		0.09	6		14.8	1.0	18	74	11.3	25
944	6Y312	KANGA	1	1	3	1	1	1	0.03	32175	52		0.20	5		23.2	3.8	650	59	13.5	37
945	6Y313	KANGA	1	1	3	1	1	1	0.01	34991	49		0.15	6		15.9	1.7	412	22	8.6	23
946	6Y314	KANGA	1	1	3	1	1	1	0.01	34814	73		0.16	5		18.7	2.3	487	20	12.4	23
947	6Y315	KANGA	1	1	3	1	1	1	0.02	29918	111		0.05	4		12.5	3.1	645	50	8.1	18
948	6Y316	KANGA	1	1	3	1	1	1	0.01	15175	102		0.17	5		15.5	4.0	694	48	7.9	15
949	6Y317	KANGA	1	1	3	1	1	1	2.66	21991	117		0.06	4		11.2	1.9	591	35	13.2	78
950	6Y318	KANGA	1	1	3	1	1	1	0.03	24918	90		0.10	6		16.4	1.3	607	48	5.0	28
951	6Y319	KANGA	1	1	3	1	1	1	0.01	29116	67		0.09	5		16.1	1.5	695	41	7.5	40
952	6Y320	KANGA	1	1	3	1	1	1	0.02	15418	86			7		15.0	1.1	547	30	11.2	27
953	6Y321	KANGA	1	1	3	1	1	1	0.01	24175	89					14.8	0.9	637	37	9.9	37
954	6Y322	KANGA	1	1	3	1	1	1	0.02	19817	71			4		21.1	2.0	544	33	8.0	66
955	6Y323	KANGA	1	1	3	1	1	1	0.07	28501	53			6		19.9	2.1	616	18	7.7	50
956	6Y324	KANGA	1	1	3	1	1	1		5450	44		0.35			27.7	9.1	3482	23	10.5	81
957	6Y325	KANGA	1	1	3	1	1	1	0.02	22170	221		0.40	10		22.6	1.7	3974	23	6.9	68
958	6Y326	KANGA	1	1	3	1	1	1	0.02	12751	190		0.31	10		20.8	1.8	3125	25	6.0	79
959	6Y327	KANGA	1	1	3	1	1	1	0.03	21850	231		0.29	12		26.3	2.1	4284	17	10.1	75
960	6Y328	KANGA	1	1	3	1	1	1	0.02	28814	152		0.28	11		27.2	1.5	4525	21	11.2	87
961	6Y329	KANGA	1	1	3	1	1	1	0.03	21009	161		0.20	10		20.1	1.5	4107	25	5.9	90
962	6Y330	KANGA	1	1	3	1	1	1	0.03	14750	229		0.15	11		25.9	2.7	3561	18	5.0	103
963	6Y331	KANGA	1	1	3	1	1	1	0.03	24461	293		0.64	10		22.3	5.2	4256	24	6.9	79
964	6Y332	KANGA	1	1	3	1	1	1	0.04	24107	282		0.50	12		19.7	3.3	4127	27	4.0	76
965	6Y333	KANGA	1	1	3	1	1	1	0.03	20115	231		0.55	10		28.3	2.6	4487	16	7.3	75
966	6Y334	KANGA	1	1	3	1	1	1	0.05	23450	252		0.30	9		37.6	3.0	4526	20	9.5	101
967	6Y335	KANGA	1	1	3	1	1	1	0.05	20580	181		0.15	8		20.7	2.9	4005	27	5.9	73
968	6Y336	KANGA	1	1	3	1	1	1	0.03	21257	140		0.18	10		27.2	2.0	4973	25	7.8	93
969	6Y337	KANGA	1	1	3	1	1	1	0.04	5981	112		0.28	7		20.2	0.9	4214	10	21.5	128
970	6Y338	KANGA	1	1	3	1	1	1	0.03	8735	131		0.49	7		45.9	6.9	5876	18	15.3	81
971	6Y339	KAPIR	1	3	3	1	1	1	0.03	987	97		0.40			71.1	1.6	8517	16	24.0	126
972	6Y340	KAPIR	1	3	3	1	1	1	0.04	1435	81		0.35			81.4	1.1	8121	12	24.1	163
973	6Y341	KAPIR	1	1	1	1	1	1	0.04	961	89		0.55			92.8	1.9	8832	18	24.2	123
974	6Y342	KAPIR	1	1	1	1	1	1	0.02	8418	104		0.10			87.6	1.2	6016	11	15.5	205
975	6Y343	KAPIR	1	1	1	1	1	1	0.03	561	197		0.15			48.1	1.5	15174	17	20.3	139
976	6Y344	KAPIR	1	2	5	1	1	1	0.02	7250	106		0.15	12		59.9	1.1	5415	8	12.6	122
977	6Y345	KAPIR	1	2	5	1	1	1	0.03	7536	121		0.10	10		56.2	1.3	5037	4	17.7	110
978	6Y346	KAPIR	1	2	5	1	1	1	0.05	793	140		0.08			61.2	1.3	17080		20.9	341
979	6Y347	KAPIR	1	2	5	1	1	1	4.22	892	61		0.25			78.9	0.8	13648		15.7	317
1000	6Y348	NSALA	1	3	5	1	1	1	0.09	951	99		0.31	5		81.5	0.6	10787	2	16.6	354
1001	6Y349	NSALA	1	3	5	1	1	1	0.09	1170	143		0.20	7		50.0	1.3	3126	5	17.0	185
1002	6Y350	NSALA	1	3	5	1	1	1	0.04	7915	187			9		55.1	1.1	3544	2	12.3	121
1003	6Y351	NSALA	1	3	5	1	1	1	5.16	357	513		0.25			58.2	1.8	4009	3	7.1	149
1004	6Y352	NSALA	1	3	5	1	1	1	5.02	631	377		0.27	8		58.4	1.9	3617	3	7.1	163
1005	6Y353	NSALA	1	3	5	1	1	1	0.06	650	149		0.20	6		50.9	2.7	2515		15.9	114
1006	6Y354	NSALA	1	3	5	1	1	1	0.06	726	228		0.10	9		36.3	1.3	3457		22.5	175
1007	6Y355	NSALA	1	3	5	1	1	1	0.03	1015	192		0.15	6		30.8	2.9	3315	2	20.3	104
1008	6Y356	NSALA	1	2	3	1	1	1	4.80	562	249			9		36.7	2.0	2614		22.7	29

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	ND	SECTOR	RS	RK	RK2	ALT	DCC	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		2.1	62
1011	6Y359	NSALA	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	OCC	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	4.6	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		4	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	1	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	64	113	213
32	6H032	NKALO	1	1	2		3	2	1.8	35	5037	6
33	6H033	NKALO	1	1	2		3	1	4.6	195	159	
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	2	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	1	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	1	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	1	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	1	16.1	157	130	
52	6H052	NKALO	1	1	2		3	2	12.8	96	187	
53	6H053	NKALO	1	1	2		3	1	6.1	47	223	55
54	6H054	NKALO	1	1	2		3	1	3.1	65	133	
55	6H055	NKALO	1	1	2		3	2	2.2	46	159	
56	6H056	NKALO	1	1	2		3	1	6.7	123	165	

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	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	
59	6H059	NKALO	1	1			3	1	19.5	195	217	6
60	6H060	NKALO	1	1			3	1	14.3	115	213	
61	6H061	NKALO	1	1			3	2	27.3	187	222	
62	6H062	NKALO	1	1			3	2	13.5	150	217	35
63	6H063	NKALO	1	1			3	1	15.0	161	195	
64	6H064	NKALO	1	1			3	1	10.0	93	186	
65	6H065	NKALO	1	1			3	2	2.5	87	129	49
66	6H066	NKALO	1	1			3	2	2.7	15	262	8
67	6H067	NKALO	1	2			4	2	0.4	43	136	14
68	6H068	NKALO	1	2			4	2	1.0	35	65	33
69	6H069	SALAM	1	2			4	2	0.5	15	93	19
70	6H070	SALAM	1	2			4	2		71		
71	6H071	SALAM	1	2			4	1		2	22	
72	6H072	SALAM	1	2			4	1	0.5	10	20	12
73	6H073	SALAM	1	2			4	1	0.8	3	133	43
74	6H074	SALAM	1	2			4	2		15	95	15
75	6H075	SALAM	1	2			4	2		25	40	
76	6H076	SALAM	1	2			4	2	3.1	121	195	37
77	6H077	SALAM	1	2			4	2	2.7	65	80	24
78	6H078	SALAM	1	2			4	1	0.6	55	66	81
79	6H079	SALAM	1	2			4	1		60	113	29
80	6H080	SALAM	1	2			4	1	2.5	80	50	
81	6H081	SALAM	1	2			4	1	8.3	103	213	20
82	6H082	SALAM	1	2			4	1	6.5	91	16	
83	6H083	SALAM	1	2			4	2	7.0	25	22	15
84	6H084	SALAM	1	2			4	2	4.6	132	310	19
85	6H085	SALAM	1	2			4	1	6.1	127	293	17
86	6H086	SALAM	1	2			4	1	7.5	151	353	21
87	6H087	SALAM	1	2			4	1	9.3	27	8	15
88	6H088	SALAM	1	2			4	2	17.6	199	293	19
89	6H089	SALAM	1	3			5	3	27.8	235	181	44
90	6H090	CHIPA	1	2			5	2	21.1	240	78	
91	6H091	CHIPA	1	2			5	1	24.0	210	358	
92	6H092	CHIPA	1	2			5	1	21.0	201	231	
93	6H093	CHIPA	1	2			5	1	12.8	136	167	
94	6H094	CHIPA	1	2			5	2	6.7	93	167	59
95	6H095	CHIPA	1	2			5	2	13.6	157	121	33
96	6H096	CHIPA	1	2			5	2	35.1	235	150	48
97	6H097	CHIPA	1	2			5	1	7.7	98	401	32
98	6H098	CHIPA	1	2			5	1	1.1	25	293	12
99	6H099	CHIPA	1	2			5	1	2.7	35	224	
100	6H100	CHIPA	1	2			5	1	0.9	18	285	
101	6H101	CHIPA	1	2			5	2	2.6	30	166	
102	6H102	CHIPA	1	2			5	2	3.0	41	303	
103	6H103	MIKOM	1	2			5	2	2.0	25	110	
104	6H104	MIKOM	1	2			5	1	0.9	18	105	19
105	6H105	MIKOM	1	2			5	1	1.3	48	173	32
106	6H106	MIKOM	1	2			5	1	1.9	56	130	25
107	6H107	MIKOM	1	2			5	2	2.5	31	121	43
108	6H108	MIKOM	1	2			5	2	2.4	37	123	32
109	6H109	MIKOM	1	2			5	1	2.3	41	101	20
110	6H110	MIKOM	1	2			5	1	4.3	50	90	8
111	6H111	MIKOM	1	2			5	1	1.2	20	74	
112	6H112	MIKOM	1	2			5	2	2.1	18	100	7

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

DBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	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	583	
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	195	
121	6H121	CHILW	1	2			4	2	0.6	34	115	12
122	6H122	CHILW	1	2			4	2		19	494	
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	185	
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	283	
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	502	
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	19.3	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	965	
150	6H150	CHILW	1	1			1	2	4.1	84	811	
151	6H151	CHILW	1	1			1	2	11.3	176	2185	
152	6H152	CHILW	1	1			1	1	0.6	156	833	
153	6H153	CHILW	1	1			1	1	6.3	97	908	
154	6H154	CHILW	1	1			1	1	18.1	164	1570	
155	6H155	CHILW	1	1			1	1	12.4	248	1811	
156	6H156	CHILW	1	1			1	1	10.5	163	1464	
157	6H157	CHILW	1	1			1	1	27.3	185	1350	
158	6H158	CHILW	1	1			1	1	21.5	176	610	
159	6H159	CHILW	1	1			1	1	31.0	277	523	
160	6H160	CHILW	1	1			1	1	5.1	94	2199	
161	6H161	CHILW	1	1			1	1	12.8	139	3399	
162	6H162	CHILW	1	1			1	1	19.5	221	4003	
163	6H163	CHILW	1	1			1	1	21.5	198	2963	
164	6H164	CHILW	1	1			1	1	22.8	295	3187	
165	6H165	CHILW	1	1			1	1	25.1	115	3230	
166	6H166	CHILW	1	1			1	1	23.0	403	996	
167	6H167	CHILW	1	1			1	1	14.5	159	810	
168	6H168	CHILW	1	1			1	1	23.4	123	3375	

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	699	.
172	6H172	CHILW	1	1			1	1	10.5	153	1561	.
173	6H173	CHILW	1	1			1	1	14.3	201	643	.
174	6H174	CHILW	1	1			1	1	15.5	203	799	.
175	6H175	CHILW	1	1			1	1	17.2	268	909	.
176	6H176	CHILW	1	1	3		1	2	5.1	101	1987	.
177	6H177	CHILW	1	1	3		1	2	8.5	143	1093	.
178	6H178	CHILW	1	1	3		1	1	9.3	161	1115	.
179	6H179	CHILW	1	1	3		1	1	20.1	183	287	.
180	6H180	CHILW	1	1	3		1	1	6.8	120	1647	.
181	6H181	CHILW	1	1	3		1	1	8.6	137	3115	.
182	6H182	CHILW	1	1	3		1	1	9.4	141	1820	.
183	6H183	CHILW	1	1	3		1	1	9.2	136	1563	.
184	6H184	CHILW	1	1	3		1	2	10.1	102	121	.
185	6H185	CHILW	1	1	3		1	2	12.3	146	854	.
186	6H186	CHILW	1	1	3		1	1	12.4	151	949	.
187	6H187	CHILW	1	1	3		1	1	9.8	100	128	.
188	6H188	CHILW	1	1	3		1	1	10.6	111	433	.
189	6H189	CHILW	1	1	3		1	1	9.4	103	307	.
190	6H190	CHILW	1	2	3		4	1	9.4	107	580	.
191	6H191	CHILW	1	2			4	1	10.1	106	137	.
192	6H192	CHILW	1	2			4	1	6.1	28	122	.
193	6H193	CHILW	1	1	3		1	1	5.4	106	241	.
194	6H194	CHILW	1	1			1	1	6.3	108	443	.
195	6H195	CHILW	1	1	3		1	1	6.9	105	230	.
196	6H196	CHILW	1	2			1	1	6.0	108	170	.
197	6H197	CHILW	1	2			1	1	6.4	106	226	.
198	6H198	CHILW	1	2			1	2	10.1	137	770	.
199	6H199	CHIKA	1	2			4	2	8.2	19	68	21
200	6H200	CHIKA	1	2			4	1	2.3	18	107	42
201	6H201	CHIKA	1	2			4	2	1.4	17	85	38
202	6H202	CHIKA	1	2			4	2	2.3	19	118	33
203	6H203	CHIKA	1	2			4	1	1.9	15	86	29
204	6H204	CHIKA	1	2			4	2	0.7	14	61	30
205	6H205	CHIKA	1	2			4	2	2.9	19	83	21
206	6H206	CHIKA	1	2			4	1	2.4	15	78	31
207	6H207	CHIKA	1	2			4	2	0.5	18	100	5
208	6H208	CHIKA	1	2			4	2	1.3	18	108	10
209	6H209	CHIKA	1	2			4	2	2.4	14	93	12
210	6H210	CHIKA	1	2			4	2	0.8	22	110	7
211	6H211	CHIKA	1	2			4	2	1.1	17	190	.
212	6H212	CHIKA	1	2			4	1	1.6	16	111	.
213	6H213	CHIKA	1	2			4	2	3.3	3	34	.
214	6H214	CHIKA	1	2			4	2	4.5	47	6	411
215	6H215	CHIKA	1	2			4	1	4.8	44	26	393
216	6H216	MONGO	1	2			4	2	2.9	22	42	.
217	6H217	MONGO	1	2			4	2	2.3	11	48	.
218	6H218	MONGO	1	2			4	2	1.6	17	21	.
219	6H219	MONGO	1	2			4	1	1.8	11	36	.
220	6H220	MONGO	1	2			4	1	1.1	19	32	.
221	6H221	MONGO	1	2			4	2	1.7	15	41	5
222	6H222	MONGO	1	2			4	1	2.6	27	176	.
223	6H223	MONGO	1	2			4	1	2.1	18	124	.
224	6H224	MONGO	1	2			4	2	3.6	28	125	.

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	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	35	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	125	
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	44	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	1	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	1.3	17	55	
255	6H255	ACHIR	1	2			4	2	1.8	6	38	
256	6H256	ACHIR	1	2			4	2	0.8	5	25	
257	6H257	ACHIR	1	2			4	2	2.1	11	58	
258	6H258	ACHIR	1	2			4	1	1.6	6	36	
259	6H259	ACHIR	1	2			4	2	1.2	5	11	
260	6H260	ACHIR	1	2			4	1		11	28	
261	6H261	ACHIR	1	2			4	1	0.4	6	18	
262	6H262	ACHIR	1	2			4	2	0.7	8	35	
263	6H263	ACHIR	1	2			4	2		11	22	
264	6H264	ACHIR	1	2			4	1		11	88	59
265	6H265	KONGW	1	2			4	1	4.3	113	72	118
266	6H266	KONGW	1	2			4	1	6.1	131	72	118
267	6H267	KONGW	1	2			4	1	5.6	125	93	163
268	6H268	KONGW	1	2			4	1	7.5	120	99	125
269	6H269	KONGW	1	2			4	1	8.0	111	118	207
270	6H270	KONGW	1	2			4	1	12.0	126	160	305
271	6H271	KONGW	1	2			4	1	9.2	120	76	113
272	6H272	KONGW	1	2			4	1	8.1	114	71	87
273	6H273	KONGW	1	2			4	1	9.4	117	102	28
274	6H274	KONGW	1	2			4	1	4.6	123	114	56
275	6H275	KONGW	1	2			4	1	3.4	4	80	
276	6H276	KONGW	1	2			4	1	2.5	118	18	23
277	6H277	KONGW	1	2			4	1	4.6	122	65	10
278	6H278	KONGW	1	2			4	1	1.4	126	58	25
279	6H279	KONGW	1	2			4	2	0.4		84	7
280	6H280	KONGW	1	2			4	2				

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	ND	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	2			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	2	0.5	6	48	
299	6H299	LIPER	1	2			4	2		5	26	
300	6H300	LIPER	1	2			4	2	0.7	3	24	
301	6H301	LIPER	1	2			4	2		2	23	
302	6H302	LIPER	1	2			4	2		2	54	25
303	6H303	LIPER	1	2	2		4	1	1.5	13	9	10
304	6H304	NSENG	1	2			1	1	1.9	22	74	233
305	6H305	NSENG	1	2			5	1	2.1	23	42	256
306	6H306	NSENG	1	2			5	1	1.4	25	70	269
307	6H307	NSENG	1	2			5	1	2.6	25	52	237
308	6H308	NSENG	1	2			5	1	2.0	34	31	183
309	6H309	NSENG	1	2			5	1	2.8	31	44	213
310	6H310	NSENG	1	3			1	1	2.1	31	18	
311	6H311	NSENG	1	3			1	1	1.9	22	69	
312	6H312	NSENG	1	1			1	1	1.2	22	54	
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	3			1	1		1	34	
318	6M001	TUNDU	1	1			1	1		11	73	
319	6M002	TUNDU	1	1	4		1	2	8.1	204	498	
320	6M003	TUNDU	1	1	4		1	2	4.4	182	375	
321	6M004	TUNDU	1	1	2	3	1	1	5.4	188	354	
322	6M005	TUNDU	1	1	4	3	1	1	3.1	151	300	
323	6M006	TUNDU	1	1	4	3	1	1	24.2	572	162	
324	6M007	TUNDU	1	1	4	3	1	1	10.0	205	524	
325	6M008	TUNDU	1	1	4	3	1	2	5.0	178	553	
326	6M009	TUNDU	1	1	4	3	1	1	9.2	185	1401	
327	6M010	TUNDU	1	1	4	4	1	1	3.8	122	3107	
328	6M011	TUNDU	1	1	4	4	1	1	6.3	138	348	
329	6M012	TUNDU	1	1	4	4	1	2	5.0	96	455	
330	6M013	TUNDU	1	1	4	4	1	1	4.1	91	1083	12
331	6M014	TUNDU	1	1	4	4	1	1	0.9	31	624	6
332	6M015	TUNDU	1	1	1	1	1	2	0.3	16	523	4
333	6M016	TUNDU	1	1	1	3	1	2	1.0	44	322	
334	6M017	TUNDU	1	1	1	3	1	1	7.0	106	626	6
335	6M018	TUNDU	1	1	3	3	1	1	8.3	117	714	3
336	6M019	TUNDU	1	1	1	3	1	1	12.9	169	683	10

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	VB	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	.
339	6M022	MATOP	1	1	2	3	2	1	2.6	45	324	24
340	6M023	MATOP	1	1	2	3	2	2	4.1	78	346	17
341	6M024	MATOP	1	1	2	3	2	1	14.0	175	435	85
342	6M025	MATOP	1	1	2	3	2	1	17.3	235	405	67
343	6M026	MATOP	1	2	2	3	2	1	21.1	367	561	5
344	6M027	MATOP	1	1	2	3	2	1	18.5	221	748	5
345	6M028	MATOP	1	1	2	3	2	1	16.6	198	533	10
346	6M029	MATOP	1	1	2	3	2	2	18.2	251	461	.
347	6M030	MATOP	1	1	2	3	2	2	17.3	182	559	18
348	6M031	MATOP	1	1	2	3	2	1	18.2	184	567	19
349	6M032	MATOP	1	1	2	3	2	2	4.1	57	1038	.
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	.
352	6M035	SONGW	1	1	2	3	1	2	10.0	150	144	.
353	6M036	SONGW	1	1	2	3	1	2	15.3	233	874	.
354	6M037	SONGW	1	1	2	3	1	2	14.1	231	118	.
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	.
358	6M041	SONGW	1	1	2	3	1	2	42.0	737	627	3
359	6M042	SONGW	1	1	2	3	1	1	42.1	569	544	.
360	6M043	SONGW	1	1	2	3	1	2	38.4	482	661	.
361	6M044	SONGW	1	1	2	3	1	2	39.6	533	262	.
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	233	555	.
365	6M048	SONGW	1	1	2	3	4	1	14.7	241	475	.
366	6M049	SONGW	1	1	2	3	4	2	23.2	363	414	.
367	6M050	SONGW	1	1	2	3	4	2	13.9	226	285	.
368	6M051	SONGW	1	1	2	3	4	1	30.1	347	215	.
369	6M052	SONGW	1	1	2	3	4	2	29.3	447	119	.
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	.
372	6M055	SONGW	1	1	2	3	4	2	19.0	302	734	.
373	6M056	SONGW	1	1	2	3	4	2	34.0	390	1051	.
374	6M057	SONGW	1	1	2	3	4	2	18.1	257	453	.
375	6M058	SONGW	1	1	2	3	4	2	16.3	169	162	.
376	6M059	SONGW	1	2	2	3	4	2	17.7	201	178	.
377	6M060	SONGW	1	1	2	3	4	1	14.1	130	2402	.
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	.
380	6M063	SONGW	1	1	2	3	4	1	1.4	43	621	.
381	6M064	SONGW	1	2	2	3	4	2	1.6	55	559	.
382	6M065	SONGW	1	2	2	3	4	2	6.0	314	5908	.
383	6M066	SONGW	1	1	2	3	4	1	21.0	455	5908	.
384	6M067	SONGW	1	1	2	3	4	2	3.2	92	674	115
385	6M068	SONGW	1	1	2	3	4	2	39.1	499	242	.
386	6M069	SONGW	1	1	2	3	4	1	29.5	361	764	.
387	6M070	SONGW	1	1	2	3	4	2	18.4	335	723	13
388	6M071	SONGW	1	1	2	3	4	2	27.0	317	815	.
389	6M072	SONGW	1	1	2	3	4	1	7.6	161	319	.
390	6M073	SONGW	1	2	2	3	4	2	15.2	222	481	5
391	6M074	NAMAN	1	2	2	3	5	2	17.1	159	641	.
392	6M075	NAMAN	1	2	2	3	5	2	18.6	351	1464	12

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	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	618	.
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			5	2	4.7	138	729	.
406	6M089	NAMAN	1	2			5	2	3.2	79	806	8
407	6M090	NAMAN	1	2			5	1	3.4	62	118	49
408	6M091	NAMAN	1	2			5	2	3.0	50	148	57
409	6M092	NAMAN	1	2			5	2	2.8	42	364	6
410	6M093	NAMAN	1	2			5	2	1.5	25	922	.
411	6M094	NAMAN	1	2			5	1	1.3	26	374	10
412	6M095	NAMAN	1	2			5	1	0.4	12	479	2
413	6M096	NAMAN	1	2			5	2	2.2	43	307	1
414	6M097	TUNDU	1	2			4	2	3.2	75	927	.
415	6M098	TUNDU	1	2			4	1	0.8	82	806	.
416	6M099	TUNDU	1	2			4	2	0.7	52	559	4
417	6M100	TUNDU	1	2			4	2	2.9	68	468	.
418	6M101	TUNDU	1	2			4	1	0.3	52	825	.
419	6M102	TUNDU	1	2			4	2	4.0	107	1176	.
420	6M103	TUNDU	1	2			4	2	0.1	23	800	.
421	6M104	TUNDU	1	2			4	1	.	35	738	.
422	6M105	TUNDU	1	2			4	2	7.2	134	1618	11
423	6M106	TUNDU	1	2			4	2	4.5	96	936	5
424	6M107	TUNDU	1	2			4	1	4.4	101	857	2
425	6M108	TUNDU	1	2			4	2	3.0	58	748	5
426	6M109	TUNDU	1	2			4	2	3.3	65	833	.
427	6M110	TUNDU	1	2			4	1	2.0	47	536	.
428	6M111	TUNDU	1	2			4	2	0.4	28	379	.
429	6M112	TUNDU	1	2			4	2	0.6	25	593	.
430	6M113	TUNDU	1	1	2		4	2	6.1	117	1019	8
431	6M114	TUNDU	1	2	2		4	2	3.5	79	437	.
432	6M115	TUNDU	1	2			4	2	0.3	16	480	.
433	6M116	TUNDU	1	2	2		3	1	0.4	32	717	.
434	6M117	TUNDU	1	2			4	2	1.7	53	638	.
435	6M118	TUNDU	1	2			4	2	1.2	42	764	.
436	6M119	TUNDU	1	2			4	1	1.6	46	411	.
437	6M120	TUNDU	1	2			4	2	4.2	133	537	.
438	6M121	TUNDU	1	2			4	2	3.0	102	280	.
439	6M122	TUNDU	1	2			4	1	0.6	34	304	3
440	6M123	TUNDU	1	2			4	2	1.1	61	879	.
441	6M124	TUNDU	1	2			4	2	4.3	112	493	.
442	6M125	TUNDU	1	2			4	1	7.1	123	416	7
443	6M126	TUNDU	1	2			4	2	4.2	116	524	2
444	6M127	TUNDU	1	2			4	2	12.2	182	574	.
445	6M128	TUNDU	1	2			4	2	8.1	129	510	.
446	6M129	CHILW	1	1	3		1	1	14.3	175	477	.
447	6M130	CHILW	1	1	3		1	1	13.7	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	OCC	LCN	YB	Y	ZN	IR
449	6M132	CHILW	1	1	5		1	2	24.3	498	1533	
450	6M133	CHILW	1	1	5		1	1	3.3	1150	1029	5
451	6M134	CHILW	1	1	5		1	1	17.0	193	1029	
452	6M135	CHILW	1	1	2		1	2	8.2	126	229	
453	6M136	CHILW	1	1	3		1	1	14.0	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	87	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	358	
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	1.2	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	1	3.1	127	762	
479	6M162	CHILW	1	1	3		5	2	1.5	93	551	3
480	6M163	CHILW	1	1	2		1	2	0.4	83	1169	
481	6M164	CHILW	1	1	2		1	1	2.1	118	575	2
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	2		3	1	5.6	131	926	4
486	6M169	CHILW	1	1	2		1	1	1.6	88	391	
487	6M170	CHILW	1	1	2		1	1	6.2	139	514	
488	6M171	CHILW	1	1	2		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	2		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	4
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	2	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	150	
502	6M185	CHILW	1	1	2	3	4	2	0.3	200	200	
503	6M186	CHILW	1	2	2	3	4	2		121	121	
504	6M187	CHILW	1	2	2	3	4	2		13	13	

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	23	.
522	6M205	MONGO	1	2	3		4	2	.	25	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	.	27	100	.
526	6M209	MONGO	1	2			4	2	2.3	23	91	.
527	6M210	MONGO	1	2			4	2	2.8	27	130	.
528	6M211	MONGO	1	2			4	2	2.4	27	130	.
529	6M212	MONGO	1	2			4	2	2.9	25	145	.
530	6M213	MONGO	1	2			4	2	2.2	24	100	.
531	6M214	MONGO	1	2			4	2	2.4	27	210	.
532	6M215	MONGO	1	2			4	2	2.8	24	155	.
533	6M216	KANGA	1	1			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			1	1	5.8	111	325	.
537	6M220	KANGA	1	1			1	2	5.5	108	366	.
538	6M221	KANGA	1	2		3	1	1	5.1	115	380	.
539	6M222	KANGA	1	2		3	1	2	5.3	112	350	.
540	6M223	KANGA	1	1			4	2	4.8	107	418	.
541	6M224	KANGA	1	1		3	4	1	4.3	101	364	.
542	6M225	KANGA	1	1			4	2	3.2	92	431	.
543	6M226	KANGA	1	2		3	4	1	4.2	102	368	.
544	6M227	KANGA	1	1			1	2	3.1	75	449	.
545	6M228	KANGA	1	2		3	1	1	1.0	93	261	.
546	6M229	KANGA	1	2		3	1	2	1.4	43	369	.
547	6M230	KANGA	1	1			1	2	.	35	310	.
548	6M231	KANGA	1	2		3	5	1	.	31	472	.
549	6M232	KANGA	1	1			1	2	0.4	36	369	.
550	6M233	KANGA	1	1			1	1	.	33	271	.
551	6M234	KANGA	1	1			1	1	.	40	625	.
552	6M235	KANGA	1	1			1	1	.	42	572	.
553	6M236	KANGA	1	1			1	1	.	39	326	.
554	6M237	KANGA	1	1			1	2	0.8	48	460	.
555	6M238	KANGA	1	1			1	1	3.2	52	429	.
556	6M239	KANGA	1	1			1	2	1.5	45	667	.
557	6M240	KANGA	1	1			1	2	2.1	53	648	.
558	6M241	KANGA	1	1			1	1	0.8	51	1925	.
559	6M242	KANGA	1	1			1	2	.	51	718	.
560	6M243	KANGA	1	1			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		1	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	1	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	2	2.3	77	868	4
576	6M259	KANGA	1	1	4		2	2	2.1	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		2	2	3.2	63	710	10
580	6M263	KAPIR	1	1	3	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	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	4	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	47	8
600	6M283	KONGW	1	2			4	1		9	38	
601	6M284	KONGW	1	2			4	1		37	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	35	
614	6M297	ALIGO	1	2			4	2		18	36	
615	6M298	ALIGO	1	2			4	2	20.1	77	525	
616	6M299	ALIGO	1	2			4	2	5.8	67	145	501

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	YB	Y	ZN	ZR
617	6M300	ALIG0	1	2		3	4	2		15	20	
618	6M301	ALIG0	1	2		3	4	2		1	15	
619	6M302	ALIG0	1	2		3	4	2		2	146	
620	6M303	ALIG0	1	2		3	4	1		3	125	
621	6M304	ALIG0	1	2		3	4	2		17	21	
622	6M305	ALIG0	1	1	1	3	4	2	14.1	190	755	1029
623	6M306	KADON	1	2		3	4	2	14.6	193	835	1772
624	6M307	KADON	1	2		3	4	2	22.1	120	164	3633
625	6M308	KADON	1	2		5	5	2		176	148	1091
626	6M309	KADON	1	2		5	5	2		180	195	2116
627	6M310	KADON	1	2		5	5	2	0.4	176	145	3526
628	6M311	KADON	1	2		5	5	2	32.9	186	159	6884
629	6M312	KADON	1	2		4	4	2	5.4	68	116	8
630	6M313	KADON	1	2		1	1	2		181	140	
631	6M314	KADON	1	2		1	1	2	0.6	184	172	
632	6M315	MLIND	1	2		3	3	2	2.2	38	22	
633	6M316	MLIND	1	3		1	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	3		3	3	2		2	4	
638	6M321	MLIND	1	2		3	3	1		16	151	126
639	6M322	MLIND	1	3		1	1	1		17	53	
640	6M323	MLIND	1	3		1	1	1	0.2	33	97	
641	6M324	MLIND	1	3		1	1	1	3.8	30	101	
642	6M325	MLIND	1	3		1	1	1	3.7	38	101	
643	6M326	MLIND	1	3		1	1	1	3.4	35	104	
644	6M327	MLIND	1	3		1	1	1	3.1	30	98	22
645	6M328	MLIND	1	3		1	1	1	3.3	37	103	10
646	6M329	MLIND	1	3		1	1	2	3.5	33	98	59
647	6M330	MLIND	1	3		3	3	1	3.3	33	101	107
648	6M331	MLIND	1	3		1	1	1	3.0	38	135	101
649	6M332	MLIND	1	3		1	1	1	3.3	42	97	123
650	6M333	MLIND	1	3		1	1	2	3.4	36	115	14
651	6M334	MLIND	1	3		1	1	2		8	115	14
652	6M335	MLIND	1	3		1	1	2		11	104	9
653	6Y001	TUNDU	1	1	2		1	2		11	104	
654	6Y002	TUNDU	1	1	2		1	2	3.9	79	270	
655	6Y003	TUNDU	1	1	2		1	2	2.4	45	310	
656	6Y004	TUNDU	1	1	2		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	2		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	1	2.8	73	208	
664	6Y012	TUNDU	1	1	2		1	2	4.6	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	2		3	4	1	6.1	138	1886	

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	314	1638	.
684	6Y032	SONGW	1	1	2		4	2	30.9	463	628	.
685	6Y033	SONGW	1	2	1		4	2	41.2	490	390	.
686	6Y034	SONGW	1	3	1		2	1	39.4	516	1485	.
687	6Y035	SONGW	1	1	2		2	2	20.1	333	566	.
688	6Y036	SONGW	1	1	1		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	924	.
691	6Y039	SONGW	1	2	4		4	2	39.4	637	385	4
692	6Y040	SONGW	1	1	2		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	2		4	2	31.0	475	346	.
696	6Y044	SONGW	1	1	1		4	2	33.2	401	385	.
697	6Y045	SONGW	1	1	2		4	2	38.4	403	258	.
698	6Y046	SONGW	1	2	2		4	2	19.7	179	266	.
699	6Y047	SONGW	1	1	2		2	2	31.8	248	316	.
700	6Y048	SONGW	1	1	2		2	2	15.9	163	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	379	.
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	304	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	353	236	.
712	6Y060	SONGW	1	1	2		4	2	43.1	882	319	.
713	6Y061	SONGW	1	1	2	6	1	2	52.4	696	157	.
714	6Y062	SONGW	1	1	2		1	2	43.3	763	213	.
715	6Y063	SONGW	1	1	2		1	2	71.9	763	213	.
716	6Y064	SONGW	1	1	2		1	2	30.2	480	190	.
717	6Y065	SONGW	1	1	2		1	1	55.1	653	330	.
718	6Y066	SONGW	1	1	2		1	1	50.0	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	269	.
721	6Y069	SONGW	1	1	2		1	1	51.3	570	655	.
722	6Y070	SONGW	1	3	2		4	2	16.6	501	301	.
723	6Y071	SONGW	1	1	2		1	1	41.7	598	989	.
724	6Y072	SONGW	1	1	2		1	1	50.9	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	50.5	1112	199	.
728	6Y076	SONGW	1	1	2		1	2	45.3	690	324	.

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	ND	SECTOR	RS	RK	RK2	ALT	OCC	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	2		5	2	6.3	60	316	.
733	6Y081	NAMAN	1	2	2		5	2	3.0	36	184	.
734	6Y082	NAMAN	1	2	2		5	1	4.2	51	188	.
735	6Y083	NAMAN	1	2	2		5	1	8.1	33	176	.
736	6Y084	NAMAN	1	2	2		5	1	7.6	41	516	.
737	6Y085	NAMAN	1	2	2		5	3	10.2	36	478	.
738	6Y086	NAMAN	1	3	5		5	1	0.4	8	65	.
739	6Y087	NAMAN	1	2	5		5	1	5.1	65	154	.
740	6Y088	NAMAN	1	2	5		5	1	4.3	63	46	.
741	6Y089	NAMAN	1	2	1		1	1	3.9	41	122	.
742	6Y090	NAMAN	1	2	1		5	1	15.2	43	168	.
743	6Y091	NAMAN	1	2	2		5	1	2.6	22	279	55
744	6Y092	NAMAN	1	1	2		5	1	8.8	43	226	1
745	6Y093	NAMIN	1	3	2	2	3	1	6.2	19	68	1
746	6Y094	NAMIN	1	3	3		3	2	5.3	21	110	.
747	6Y095	NAMIN	1	3	3		3	2	5.1	16	274	.
748	6Y096	NAMIN	1	3	1		1	1	.	6	27	20
749	6Y097	NAMIN	1	3	1		1	1	.	7	134	14
750	6Y098	NAMIN	2	3	2		1	1	2.1	5	44	2
751	6Y099	NAMIN	1	3	1		1	1	6.0	4	26	1
752	6Y100	NAMIN	1	3	1		1	1	5.4	10	165	3
753	6Y101	NAMIN	1	3	1		1	1	0.4	3	350	.
754	6Y102	NAMIN	1	3	1		1	1	.	2	416	.
755	6Y103	NAMIN	1	3	1		1	1	.	4	40	1
756	6Y104	NAMIN	2	3	3		1	1	.	6	76	.
757	6Y105	NAMIN	1	3	3		1	1	.	5	28	.
758	6Y106	NAMIN	1	3	3		1	1	2.3	4	184	.
759	6Y107	NAMIN	1	3	3		1	1	.	3	154	.
760	6Y108	NAMIN	1	3	3		1	1	.	5	17	22
761	6Y109	NAMIN	1	3	1		1	1	.	2	76	.
762	6Y110	NAMIN	1	3	1		1	1	.	1	55	.
763	6Y111	NAMIN	1	3	1		1	1	0.7	2	86	.
764	6Y112	NAMIN	1	3	1		1	1	3.4	3	236	.
765	6Y113	NAMIN	1	3	1		1	1	.	7	20	.
766	6Y114	NAMIN	1	3	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	2	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		1	2	6.8	90	684	.
774	6Y122	TUNDU	1	1	2		2	2	7.2	88	175	.
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	.	39	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	DCC	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	78	54	2
791	6Y139	TUNDU	1	1	2		2	2	4.4	90	192	
792	6Y140	TUNDU	1	1	2		2	1	6.1	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	2	7.4	107	53	
797	6Y145	TUNDU	1	1	2		2	2	6.2	111	130	
798	6Y146	CHILW	1	1	3		1	2	7.3	207	546	
799	6Y147	CHILW	1	1	3		1	1	5.9	185	2649	
800	6Y148	CHILW	1	1	3		1	1	8.1	222	258	
801	6Y149	CHILW	1	1	3		1	1	10.0	230	142	
802	6Y150	CHILW	1	1	3		1	1	8.0	247	293	
803	6Y151	CHILW	1	3	2		1	2	9.1	212	639	
804	6Y152	CHILW	1	1	2		1	2	19.3	253	723	2
805	6Y153	CHILW	1	1	2		1	2	15.4	243	215	
806	6Y154	CHILW	1	1	2		1	1	12.8	256	795	
807	6Y155	CHILW	1	1	2		1	1	13.9	236	437	2
808	6Y156	CHILW	1	1	2		1	1	10.2	217	551	
809	6Y157	CHILW	1	1	2		1	1	11.2	398	449	
810	6Y158	CHILW	1	1	2		1	1	16.6	436	211	
811	6Y159	CHILW	1	1	2		1	1	19.7	453	184	
812	6Y160	CHILW	1	1	2		1	1	33.9	391	348	
813	6Y161	CHILW	1	1	2		1	1	34.4	641	213	
814	6Y162	CHILW	1	1	2		1	1	41.0	513	270	
815	6Y163	CHILW	1	1	2		1	1	35.4	476	312	
816	6Y164	CHILW	1	1	2		1	1	34.6	630	110	
817	6Y165	CHILW	1	1	2		1	1	18.3	430	273	
818	6Y166	CHILW	1	1	2		1	1	11.2	315	138	
819	6Y167	CHILW	1	1	2		1	1	21.4	325	559	
820	6Y168	CHILW	1	1	2		1	1	30.8	350	264	
821	6Y169	CHILW	1	1	2		1	1	31.2	270	427	
822	6Y170	CHILW	1	1	2		1	1	8.4	215	354	
823	6Y171	CHILW	1	1	2		1	1	5.0	92	153	
824	6Y172	CHILW	1	1	2		1	1	11.4	163	331	
825	6Y173	CHILW	1	1	2		1	1	10.2	213	16	
826	6Y174	CHILW	1	1	2		1	1	6.2	167	180	
827	6Y175	CHILW	1	1	2		1	1	6.9	150	42	
828	6Y176	CHILW	1	1	2		1	1	8.8	135	1226	
829	6Y177	CHILW	1	1	2		1	1	6.4	250	714	
830	6Y178	CHILW	1	1	2		1	1	5.9	125	791	
831	6Y179	CHILW	1	1	2		1	1	9.1	156	1136	
832	6Y180	CHILW	1	1	2		1	1	11.6	186	1568	
833	6Y181	CHILW	1	1	2		1	1	13.1	231	565	
834	6Y182	CHILW	1	1	2		1	1	12.5	198	357	
835	6Y183	CHILW	1	1	2		1	1	13.4	214	421	
836	6Y184	CHILW	1	1	2		1	1	12.5	176	348	
837	6Y185	CHILW	1	1	2		1	1	12.5	204	311	202
838	6Y186	CHILW	1	1	2		1	1	7.5	137	335	
839	6Y187	CHILW	1	1	2		1	1	8.3	144	286	
840	6Y188	CHILW	1	1	2		1	1	8.4	154	371	213

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	DCC	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	MONGD	1	2			1	1		5	62	
852	6Y200	MONGD	1	2			4	2		38	153	
853	6Y201	KANGA	1	1	3		1	1		16	3389	
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	2356	
862	6Y210	KANGA	1	1	3		1	1		16	2161	
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	2351	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	3.2	40	1447	
887	6Y235	KANGA	1	1	3		1	1	2.8	51	3039	
888	6Y236	KANGA	1	1	3		1	1		56	1530	
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	1843	
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	2251	
907	6Y255	KANGA	1	1	3		1	1	2.1	65	2367	4
908	6Y256	KANGA	1	1	3		1	1	1.8	53	348	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	43	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	1138	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	13
935	6Y283	KANGA	1	3	3		1	2	1.4	73	641	21
936	6Y284	KANGA	1	3	3		1	1	2.3	68	770	11
937	6Y285	KANGA	1	3	3		1	1	2.4	55	1499	6
938	6Y286	KANGA	1	3	3		1	1	1.6	35	767	2
939	6Y287	KANGA	1	3	3		1	1	0.6	48	1163	1
940	6Y288	KANGA	1	3	3		1	1	1.5	55	1852	
941	6Y289	KANGA	1	3	3		1	1	0.4	48	1361	
942	6Y290	KANGA	1	3	3		1	1	0.3	31	1775	
943	6Y291	KANGA	1	3	3		1	1		14	1600	213
944	6Y292	KANGA	1	3	3		1	1	0.8	20	2132	
945	6Y293	KANGA	1	1	3		1	1	0.4	23	1995	182
946	6Y294	KANGA	1	1	3		1	1	0.2	9	2151	
947	6Y295	KANGA	1	1	3		1	1		12	2627	
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

GEOCHEMICAL ANALYSIS OF THE CHILWA ALKALINE AREA, MALAWI

OBS	NO	SECTOR	RS	RK	RK2	ALT	DCC	LCN	YB	Y	ZN	ZR
953	6Y301	KANGA	1	1	3		1	1		12	2197	16
954	6Y302	KANGA	1	1	3		1	1	0.8	14	2407	3
955	6Y303	KANGA	1	1	1		1	1		14	2742	
956	6Y304	KANGA	1	1	1		1	1	0.7	20	2619	
957	6Y305	KANGA	1	1	3		1	1		9	2776	4
958	6Y306	KANGA	1	1	3		1	1		13	1661	
959	6Y307	KANGA	1	1	3		1	1		24	1410	
960	6Y308	KANGA	1	1	3		1	1		17	2047	
961	6Y309	KANGA	1	1	3		1	1		35	3967	
962	6Y310	KANGA	1	1	3		1	1		26	3555	
963	6Y311	KANGA	1	1	1		1	1		40	4802	
964	6Y312	KANGA	1	1	1		1	1		36	2631	8
965	6Y313	KANGA	1	1	3		1	1	0.1	26	2827	2
966	6Y314	KANGA	1	1	3		1	1	0.1	44	2691	
967	6Y315	KANGA	1	1	3		1	1		31	2487	
968	6Y316	KANGA	1	1	3		1	1		34	2405	6
969	6Y317	KANGA	1	1	3		1	1		46	2223	
970	6Y318	KANGA	1	1	3		1	1	0.3	30	2597	
971	6Y319	KANGA	1	1	3		1	1	0.2	30	2597	
972	6Y320	KANGA	1	1	3		1	1	0.5	23	2348	
973	6Y321	KANGA	1	1	3		1	1	0.1	20	2509	
974	6Y322	KANGA	1	1	3		1	1		25	2201	
975	6Y323	KANGA	1	1	3		1	1	0.4	29	2001	
976	6Y324	KANGA	1	1	3		1	1	0.1	22	2837	
977	6Y325	KANGA	1	1	3		1	1	2.1	54	2521	
978	6Y326	KANGA	1	1	3		1	1	1.3	30	2411	
979	6Y327	KANGA	1	1	3		1	1	2.8	26	2639	
980	6Y328	KANGA	1	1	3		1	1	1.6	34	1557	
981	6Y329	KANGA	1	1	3		1	1	0.8	22	1861	
982	6Y330	KANGA	1	1	3		1	1	0.3	42	2325	
983	6Y331	KANGA	1	1	3		1	1	2.5	30	1863	198
984	6Y332	KANGA	1	1	3		1	1	3.2	58	2233	
985	6Y333	KANGA	1	1	3		1	1	2.0	43	1611	
986	6Y334	KANGA	1	1	3		1	1	3.7	31	1271	
987	6Y335	KANGA	1	1	3		1	1	1.7	34	1556	
988	6Y336	KANGA	1	1	3		1	1	1.1	26	990	
989	6Y337	KANGA	1	1	3		1	1	3.0	39	992	
990	6Y338	KANGA	1	1	3		1	1	5.6	92	1645	
991	6Y339	KAPIR	1	1	3		3	1	10.9	146	1061	
992	6Y340	KAPIR	1	3	1		3	1	13.1	329	329	6
993	6Y341	KAPIR	1	1	1		3	1	8.6	274	207	12
994	6Y342	KAPIR	1	1	1		3	1	15.0	302	113	20
995	6Y343	KAPIR	1	1	1		3	1	2.1	51	1232	
996	6Y344	KAPIR	1	2	1		5	1	11.6	259	125	
997	6Y345	KAPIR	1	2	1		5	1	3.3	43	1160	
998	6Y346	KAPIR	1	2	1		5	1	2.7	39	1078	
999	6Y347	KAPIR	1	2	1		5	1	7.5	68	212	405
1000	6Y348	NSALA	1	3	1		5	1	10.0	133	212	547
1001	6Y349	NSALA	1	3	1		5	1	9.4	126	253	24
1002	6Y350	NSALA	1	3	1		5	1	11.3	135	267	11
1003	6Y351	NSALA	1	3	1		5	1	2.1	29	584	
1004	6Y352	NSALA	1	3	1		5	1	3.7	36	233	63
1005	6Y353	NSALA	1	3	1		5	1	3.9	52	791	59
1006	6Y354	NSALA	1	3	1		5	1	2.0	32	991	13
1007	6Y355	NSALA	1	3	1		5	1	1.6	25	671	
1008	6Y356	NSALA	1	2	1		3	1	2.7	45	253	15
									3.0	43	291	606

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OBS	NO	SECTOR	RS	RK	RK2	ALT	OCC	LCN	Y8	Y	ZN	ZR
1009	6Y357	NSALA	1	3			5	1	1.5	34	185	.
1010	6Y358	NSALA	1	3			5	1	2.4	39	119	9
1011	6Y359	NSALA	1	3			5	1	2.7	24	167	11
1012	6Y360	NSALA	1	3			1	1	.	32	150	.

