

## EDXRF SUPPLEMENTAL MATERIAL

- 1) Elemental Concentrations for all Archaeological Samples from Sakaro Sodo Site by unit and sample number, and the USGS RGM-1 Rhyolite Standard. All measurements in parts per million (ppm) (Shackley 2017: Table 1).

Unit/Level Sample	Site	Ti	Mn	Fe	Zn	Rb	Sr	Y	Zr	Nb	Ba	Source
1-7-1	Sakaro Sodo	2656	1999	47190	418	142	11	117	1064	225	0	Asille Group, Kenya
1-7-2	Sakaro Sodo	3033	2342	54988	571	154	13	131	1080	225	0	Asille Group, Kenya
2-5-1	Sakaro Sodo	2955	2073	50193	437	175	12	118	1139	237	0	Asille Group, Kenya
3-3-1	Sakaro Sodo	2728	2021	46785	412	139	9	113	955	212	21	Asille Group, Kenya
3-3-2	Sakaro Sodo	3134	2187	51989	422	153	9	127	1148	253	0	Asille Group, Kenya
4-1-1	Sakaro Sodo	3100	2312	53020	420	160	10	132	1182	255	0	Asille Group, Kenya
4-1-2	Sakaro Sodo	2735	2077	49349	388	154	9	125	1160	260	0	Asille Group, Kenya
4-1-3	Sakaro Sodo	3103	2101	50685	425	146	9	125	1131	252	0	Asille Group, Kenya
RGM1-S4		1544	290	13214	42	150	110	25	217	5	889	standard
RGM1-S5		1488	306	13029	40	145	106	21	210	7	708	standard

2) ELEMENTAL CONCENTRATIONS FOR ALL ARCHAEOLOGICAL SAMPLES FORM SODITI SITE BY UNIT AND SAMPLE NUMBER, AND THE USGS RGM-1 RHYOLITE STANDARD. All measurements in parts per million (ppm) (Shackley 2017: Table 1).

Unit/Level/ Sample	Site	Ti	Mn	Fe	Zn	Rb	Sr	Y	Zr	Nb	Ba	Source
1-1-1	Soditi	2623	2076	49981	424	145	10	133	1168	262	0	Asille Group, Kenya
1-1-2	Soditi	2581	2159	49769	406	134	13	121	1004	224	0	Asille Group, Kenya
1-1-3	Soditi	2802	2204	52502	424	143	11	138	1165	254	0	Asille Group, Kenya
1-1-4	Soditi	2694	1823	42590	409	120	13	100	885	197	0	Asille Group, Kenya
1-1-5	Soditi	3159	2313	53458	469	140	19	117	993	210	0	Asille Group, Kenya
1-2-1	Soditi	2896	2236	52123	411	157	9	127	1182	249	26	Asille Group, Kenya
1-2-2	Soditi	2246	1878	49683	540	173	9	157	1795	275	66	Sugata, Kenya
1-2-3	Soditi	2907	2262	52911	519	155	9	122	1112	241	0	Asille Group, Kenya
1-2-4	Soditi	3243	1917	46423	472	137	17	105	963	195	7	Asille Group, Kenya
1-3-1	Soditi	3008	2073	50828	443	137	13	115	996	218	0	Asille Group, Kenya
1-3-2	Soditi	3313	2123	52216	419	141	15	117	984	210	42	Asille Group, Kenya
1-4-1	Soditi	2982	2407	55069	443	161	13	136	1217	261	1	Asille Group, Kenya
1-4-2	Soditi	2989	2384	54369	473	146	9	123	1020	216	0	Asille Group, Kenya
1-4-3	Soditi	3025	2126	49210	487	144	9	114	1030	222	17	Asille Group, Kenya
1-4-4	Soditi	3278	2251	52446	514	152	9	122	1089	229	29	Asille Group, Kenya
1-6-1	Soditi	2708	2053	46319	398	136	10	108	963	203	0	Asille Group, Kenya
1-6-2	Soditi	2757	2116	49443	441	136	10	114	975	218	44	Asille Group, Kenya
1-7-1	Soditi	2813	1988	47076	470	138	12	122	1034	215	16	Asille Group, Kenya
1-10-1	Soditi	3222	2478	57867	512	142	16	123	1014	229	0	Asille Group, Kenya

3) Elemental Concentrations for all Archaeological Samples from Chelba Tututi Site by Unit and Sample Number (Shackley 2016: Table 2).

Unit/Level /Sample	Ti	Mn	Fe	Zn	Rb	Sr	Y	Zr	Nb	Pb	Th	PROBABLE SOURCE
1-1-1	3133	1688	28760	393	129	9	105	948	193	16	20	Asille Group, Kenya
1-2-1	3613	1796	29738	447	132	13	101	870	177	14	20	Asille Group, Kenya
1-2-2	3124	1925	33099	480	127	11	111	956	200	10	15	Asille Group, Kenya
1-2-3	3439	2172	36368	413	129	14	117	972	209	16	16	Asille Group, Kenya
1-2-4	3205	2166	36679	409	137	11	121	999	214	15	11	Asille Group, Kenya
1-3-1	2790	1731	31144	394	178	14	149	1522	262	22	23	Sugata, Kenya
1-3-2	3140	1791	33460	452	126	13	113	992	205	14	12	Asille Group, Kenya
1-4-1	3083	2257	38632	440	151	12	135	1156	250	14	16	Asille Group, Kenya
1-5-1	2132	1852	37283	479	250	15	215	1987	343	36	39	Sugata, Kenya
1-5-2	3107	1854	35433	455	156	14	138	1116	235	17	19	Asille Group, Kenya
2-1-1	<b>4217</b>	<b>2643</b>	<b>44089</b>	<b>547</b>	<b>164</b>	<b>13</b>	<b>139</b>	<b>1199</b>	<b>257</b>	<b>14</b>	<b>20</b>	Asille Group, Kenya
2-1-2	4079	2646	43257	438	157	12	128	1108	238	14	13	Asille Group, Kenya
2-1-3	3097	2131	36722	401	151	10	132	1149	255	16	24	Asille Group, Kenya
2-1-4	3530	2394	40469	461	154	11	134	1184	249	16	17	Asille Group, Kenya
2-1-5	3516	2196	37689	448	148	10	127	1111	235	15	28	Asille Group, Kenya
2-1-6	2419	1156	23357	242	94	12	87	792	179	7	10	Asille Group, Kenya
2-1-7	3752	2415	40285	444	160	11	133	1198	246	19	14	Asille Group, Kenya
2-1-8	3914	2315	40309	446	157	9	136	1165	246	12	17	Asille Group, Kenya
2-1-9	2416	2469	43710	624	281	19	291	2307	440	41	40	Sugata, Kenya
2-1-10	3421	2209	38035	432	153	11	132	1183	251	16	14	Asille Group, Kenya
2-1-11	2228	2133	40543	543	258	11	225	1997	341	39	33	Sugata, Kenya
2-1-12	3794	2118	37109	398	149	10	132	1144	242	15	22	Asille Group, Kenya
2-1-13	4117	2813	45072	479	167	9	147	1227	256	15	19	Asille Group, Kenya
2-1-14	3846	2299	39550	422	137	11	128	1022	214	13	14	Asille Group, Kenya
2-1-15	1806	1551	31691	398	241	12	214	1928	339	30	41	Sugata, Kenya
2-1-16	4598	1805	31291	315	136	11	110	1002	211	15	24	Asille Group, Kenya
2-1-17	5438	2235	39974	385	151	12	136	1174	250	16	20	Asille Group, Kenya
2-1-18	5112	2854	46236	478	167	12	142	1262	270	17	20	Asille Group, Kenya
2-1-19	258	2799	214297	46	7	21	9	83	1	-1	5	not obsidian
2-1-20	4022	2425	41398	445	162	11	139	1215	259	15	27	Asille Group, Kenya
2-2-1	3433	2197	37955	419	155	12	133	1156	252	14	20	Asille Group, Kenya
2-2-2	3500	2048	36053	383	145	9	129	1132	241	14	20	Asille Group, Kenya
2-2-3	3820	2210	38601	403	151	12	135	1173	247	19	23	Asille Group, Kenya
2-2-4	4581	2226	39103	399	150	15	130	1142	245	17	13	Asille Group, Kenya
2-2-5	3553	2281	38801	417	152	9	131	1166	249	15	16	Asille Group, Kenya
2-2-6	3725	2275	39356	412	155	10	136	1174	247	14	20	Asille Group, Kenya
2-2-7	1752	1457	29058	370	228	12	180	1920	363	27	32	Sugata, Kenya
2-2-8	3670	2280	38852	424	151	12	137	1175	251	20	16	Asille Group, Kenya
2-2-9	4344	1982	36032	365	174	11	129	1121	242	16	14	Asille Group, Kenya
2-2-10	3073	2156	37187	378	141	12	131	1046	220	13	17	Asille Group, Kenya
2-2-11	3261	2238	38165	408	155	9	134	1167	258	16	14	Asille Group, Kenya
2-2-12	2506	1811	36110	469	256	9	264	2201	432	33	35	Sugata, Kenya
2-2-13	1370	1339	28176	346	212	10	192	1751	307	30	28	Sugata, Kenya
2-2-14	1323	1305	27479	449	140	13	193	1576	225	28	19	unknown

2-2-15	2786	1601	29846	365	169	13	146	1471	253	18	23	Sugata, Kenya
2-2-16	4901	2032	37233	363	133	12	116	1002	218	12	15	Asille Group, Kenya
2-2-17	3315	2135	36830	396	149	10	134	1151	244	17	25	Asille Group, Kenya
2-2-18	3664	2100	36640	357	131	12	121	998	215	12	14	Asille Group, Kenya
2-2-19	2042	1598	30773	391	227	13	178	1892	351	31	34	Sugata, Kenya
2-2-20	3430	2517	40361	423	153	9	139	1191	252	14	20	Asille Group, Kenya
2-2-21	2796	1778	29559	294	135	11	108	1017	208	14	15	Asille Group, Kenya
2-2-22	2689	2272	40242	533	283	12	199	2153	387	34	32	Sugata, Kenya
2-2-23	3537	2460	41466	443	166	13	147	1261	266	15	18	Asille Group, Kenya
2-2-24	3250	2023	35080	343	134	11	122	1020	217	10	19	Asille Group, Kenya
2-2-25	3091	1951	34657	328	128	12	124	997	216	9	19	Asille Group, Kenya
2-2-26	3605	2059	33713	384	157	14	118	1051	208	16	19	Asille Group, Kenya
2-2-27	3614	2064	36610	386	138	10	125	1008	216	10	17	Asille Group, Kenya
2-2-28	2957	1572	27916	358	133	12	103	936	195	14	15	Asille Group, Kenya
2-2-29	3709	2065	36788	396	148	15	132	1138	237	15	17	Asille Group, Kenya
2-2-30	4007	2272	39621	416	156	12	134	1172	254	18	20	Asille Group, Kenya
2-2-31	3767	2001	35281	396	165	13	128	1128	235	15	21	Asille Group, Kenya
2-2-32	3439	2083	36651	395	148	14	132	1145	244	12	17	Asille Group, Kenya
2-2-33	3447	2093	36805	378	136	11	125	1022	223	13	17	Asille Group, Kenya
2-2-34	2408	1180	26949	403	139	16	182	1501	217	24	20	unknown
2-2-35	3416	2216	38108	420	154	10	134	1161	247	15	15	Asille Group, Kenya
2-3-1	2006	1583	32625	632	161	16	215	1749	247	31	12	unknown
2-3-2	5865	1608	36781	403	233	15	177	1942	358	31	34	Sugata, Kenya
2-3-3	4716	2149	39586	410	145	12	132	1138	243	15	13	Asille Group, Kenya
2-3-4	3312	1837	31092	383	145	12	113	997	200	15	27	Asille Group, Kenya
2-3-5	3268	1903	33987	385	147	13	113	967	205	14	22	Asille Group, Kenya
2-3-6	3484	2174	37330	428	142	13	128	1031	218	11	18	Asille Group, Kenya
2-3-7	7186	2204	43155	413	140	19	134	1038	214	12	11	Asille Group, Kenya
2-3-8	3587	2240	38177	404	141	9	129	1033	219	12	20	Asille Group, Kenya
2-3-9	3744	2260	37692	459	143	11	120	952	200	11	10	Asille Group, Kenya
2-3-10	2153	1833	34238	489	254	14	187	1949	361	32	35	Sugata, Kenya
2-3-11	3371	2402	40418	463	158	11	136	1162	246	15	26	Asille Group, Kenya
2-3-12	3124	2069	36047	395	145	12	126	1124	239	13	15	Asille Group, Kenya
2-3-13	4302	1777	36089	431	243	13	190	1962	361	29	38	Sugata, Kenya
2-3-14	3752	2149	37897	392	141	11	122	1042	227	9	14	Asille Group, Kenya
2-3-15	3559	2191	37930	374	139	13	126	1039	219	14	23	Asille Group, Kenya
2-4-1	7498	1811	42012	417	252	17	195	2027	367	35	32	Sugata, Kenya
2-4-2	3210	2175	37271	395	146	11	131	1155	249	16	20	Asille Group, Kenya
2-4-3	3700	2084	37553	379	150	12	140	1169	249	17	13	Asille Group, Kenya
2-4-4	4281	1825	36752	461	251	12	188	1983	361	31	39	Sugata, Kenya
2-4-5	4797	1135	27724	275	139	19	111	1074	167	17	16	Asille Group, Kenya
2-4-6	4662	1791	37075	362	165	16	150	1178	253	14	19	Asille Group, Kenya
2-4-7	3831	1865	37344	409	165	14	153	1179	248	19	22	Asille Group, Kenya
2-4-8	2954	1729	33711	440	242	13	183	1953	356	28	25	Sugata, Kenya
2-4-9	3504	2180	37496	540	143	9	119	1017	208	16	17	Asille Group, Kenya
2-4-10	3665	2400	40414	576	151	13	121	1044	221	18	23	Asille Group, Kenya
<b>3-1-1</b>	<b>6960</b>	<b>1682</b>	<b>36235</b>	<b>312</b>	<b>157</b>	<b>16</b>	<b>149</b>	<b>1155</b>	<b>242</b>	<b>17</b>	<b>23</b>	Asille Group, Kenya
3-1-2	3238	2259	38622	396	144	10	128	1046	229	13	28	Asille Group, Kenya

3-1-3	3176	2274	37486	399	146	9	134	1146	253	15	20	Asille Group, Kenya
3-1-4	8443	1580	35977	296	153	17	146	1157	243	20	20	Asille Group, Kenya
3-1-5	6347	2132	41171	398	185	14	161	1283	268	21	31	Asille Group, Kenya
3-1-6	3980	2358	38318	366	140	10	115	986	216	12	13	Asille Group, Kenya
3-1-7	12471	1611	41548	359	143	18	146	1707	264	14	21	unknown
3-1-8	3002	2082	35493	366	146	9	126	1027	220	14	13	Asille Group, Kenya
3-1-9	3301	1811	30806	334	144	9	114	1033	208	14	20	Asille Group, Kenya
3-1-10	3509	1884	31232	336	144	10	112	1039	222	15	20	Asille Group, Kenya
3-1-11	3390	2138	36801	397	137	12	128	1023	216	12	11	Asille Group, Kenya
3-1-12	4055	2324	35846	391	154	9	116	1063	220	19	30	Asille Group, Kenya
3-1-13	2010	1748	33838	485	248	9	189	1976	360	27	43	Sugata, Kenya
3-1-14	3589	2169	37586	400	141	10	130	1041	221	14	16	Asille Group, Kenya
3-1-15	3168	2234	36904	410	148	10	131	1154	249	18	18	Asille Group, Kenya
3-1-16	3239	2385	39917	450	161	9	136	1194	248	18	14	Asille Group, Kenya
3-1-17	3666	2309	38103	423	138	10	125	1001	212	12	19	Asille Group, Kenya
3-1-18	1302	1375	28957	519	150	13	218	1742	249	25	22	unknown
3-1-19	1708	1848	36177	494	257	13	232	2019	348	38	32	Sugata, Kenya
3-1-20	3664	2490	41259	487	146	12	124	1027	214	15	22	Asille Group, Kenya
3-2-1	11940	2151	51951	359	142	32	123	1140	243	16	17	Asille Group, Kenya
3-2-2	3231	2064	35691	432	129	14	118	931	195	12	11	Asille Group, Kenya
3-2-3	3222	2101	36410	433	134	11	126	1000	205	11	17	Asille Group, Kenya
3-2-4	4609	2269	36879	442	160	13	120	1070	211	17	15	Asille Group, Kenya
3-2-5	3416	2123	37173	415	150	12	133	1121	239	14	21	Asille Group, Kenya
3-2-6	2765	2007	34746	427	130	12	116	961	212	14	23	Asille Group, Kenya
3-4-1	4131	2064	36713	480	127	13	110	879	179	12	18	Asille Group, Kenya
<b>4-1-1</b>	<b>4418</b>	<b>2464</b>	<b>42204</b>	<b>419</b>	<b>145</b>	<b>12</b>	<b>130</b>	<b>1056</b>	<b>223</b>	<b>11</b>	<b>13</b>	Asille Group, Kenya
4-1-2	3568	2212	38718	408	144	13	123	1026	220	11	25	Asille Group, Kenya
4-1-3	2888	2056	36388	389	150	15	137	1168	250	12	19	Asille Group, Kenya
4-1-4	2971	2081	36037	373	139	13	130	1042	222	13	20	Asille Group, Kenya
4-1-5	1327	915	21764	339	109	17	147	1158	164	19	8	Fantale
4-1-6	4014	2381	40305	428	147	14	129	1062	227	13	26	Asille Group, Kenya
4-1-7	3076	2076	36592	404	155	9	130	1157	242	11	19	Asille Group, Kenya
4-1-8	3229	2252	38508	410	147	12	132	1048	223	15	12	Asille Group, Kenya
4-1-9	3160	2373	39700	459	158	13	134	1179	242	18	19	Asille Group, Kenya
4-1-10	2819	2172	42871	507	238	17	229	1924	353	37	20	Sugata, Kenya
4-1-11	3366	2174	38134	414	154	9	134	1165	246	15	20	Asille Group, Kenya
4-1-12	3359	2403	39853	456	160	10	140	1203	256	17	10	Asille Group, Kenya
4-1-13	6158	2577	43415	450	147	15	128	1044	225	15	14	Asille Group, Kenya
4-1-14	6589	2135	39876	361	130	14	122	1012	213	11	15	Asille Group, Kenya
4-1-15	4139	2009	33667	349	148	9	116	1048	205	17	18	Asille Group, Kenya
4-2-1	3268	2436	40942	446	169	14	140	1219	253	13	11	Asille Group, Kenya
4-2-2	3238	2227	38760	421	139	9	128	1026	216	17	11	Asille Group, Kenya
4-2-3	2989	2185	37290	400	138	13	127	1015	218	11	15	Asille Group, Kenya
4-2-4	1917	2940	44692	815	380	16	432	3580	664	64	55	Sugata, Kenya
4-2-5	2222	1941	35676	487	264	9	195	2016	366	31	43	Sugata, Kenya
4-2-6	3288	2135	36657	404	162	12	133	1165	248	17	21	Asille Group, Kenya
4-2-7	1098	638	17515	201	120	14	88	882	119	18	24	Abadir
4-2-8	2806	2053	35863	388	150	10	132	1159	246	15	25	Asille Group, Kenya

4-2-9	3211	2296	38332	423	155	13	137	1194	251	17	17	Asille Group, Kenya
4-2-10	3716	2391	39494	420	142	9	126	1030	221	13	12	Asille Group, Kenya
4-3-1	3537	2288	37348	364	136	14	113	970	214	12	19	Asille Group, Kenya
4-3-2	3298	2230	37972	399	156	15	136	1173	247	17	11	Asille Group, Kenya
4-3-3	2757	1713	31046	338	153	9	127	1085	229	12	17	Asille Group, Kenya
4-3-4	3503	2325	39090	404	139	13	134	1045	217	11	22	Asille Group, Kenya
4-3-5	3809	1940	37821	399	169	13	115	1206	242	13	19	Asille Group, Kenya
4-3-6	2793	2129	36588	395	136	10	119	1020	219	11	23	Asille Group, Kenya
4-3-7	3946	2488	41724	463	160	14	137	1196	254	17	13	Asille Group, Kenya
4-3-8	4105	2311	39695	442	144	10	130	1021	213	10	16	Asille Group, Kenya
4-4-1	2615	1554	31186	322	155	13	139	1162	249	18	26	Asille Group, Kenya
4-4-2	3605	2136	37800	423	150	15	133	1145	246	16	25	Asille Group, Kenya
4-4-3	4115	2223	38163	366	144	11	129	1048	222	10	11	Asille Group, Kenya
4-4-4	3582	2311	38775	393	140	14	125	1054	226	14	12	Asille Group, Kenya
4-4-5	3189	2384	40276	461	161	12	138	1188	253	13	24	Asille Group, Kenya
4-4-6	1653	1858	36712	506	261	9	221	1994	342	39	34	Sugata, Kenya
4-4-7	4594	2283	40195	405	134	11	128	1027	215	15	16	Asille Group, Kenya
4-4-8	2411	2047	40367	496	235	13	226	1888	355	30	37	Sugata, Kenya
4-4-9	4368	2252	39509	418	152	13	141	1168	248	16	18	Asille Group, Kenya
4-4-10	4470	1665	34459	358	155	12	148	1155	251	18	24	Asille Group, Kenya
4-5-1	3413	2385	40207	433	146	9	128	1050	226	19	28	Asille Group, Kenya
4-5-2	5881	2757	47728	461	137	14	121	1053	228	14	19	Asille Group, Kenya
4-5-3	3807	2585	42506	495	153	13	134	1065	220	16	16	Asille Group, Kenya
4-5-4	2043	2115	40358	587	264	14	223	2014	334	45	36	Sugata, Kenya
4-6-1	1344	1171	25221	402	157	12	177	1468	210	24	15	unknown
5-1-1	1913	2177	40017	610	273	14	274	2226	423	36	43	Sugata, Kenya
5-1-2	1904	2054	40041	497	241	15	228	1866	346	28	43	Sugata, Kenya
5-1-3	3476	2470	41643	474	159	15	140	1187	253	17	18	Asille Group, Kenya
5-5-1	1841	1665	33494	619	157	17	210	1618	226	30	15	unknown
6-1-1	3742	2284	39493	439	154	12	140	1177	246	18	35	Asille Group, Kenya
6-1-2	3532	2072	35984	374	138	9	120	1004	216	11	27	Asille Group, Kenya
6-2-1	2145	1731	32385	428	253	11	190	1990	369	31	32	Sugata, Kenya
6-2-2	3856	2609	42502	494	153	10	133	1046	225	17	35	Asille Group, Kenya
6-2-3	3173	2269	37520	378	141	11	123	1025	218	13	11	Asille Group, Kenya
6-2-4	1774	1346	28362	507	150	10	198	1567	222	25	17	unknown
6-2-5	3708	2164	37856	441	148	10	134	1133	235	17	23	Asille Group, Kenya
6-2-6	3676	2239	38843	428	154	10	136	1166	249	14	15	Asille Group, Kenya
6-3-1	2934	2258	37638	392	141	10	128	1047	225	13	20	Asille Group, Kenya
6-3-2	3622	1893	34145	351	161	11	129	1141	245	14	20	Asille Group, Kenya
6-3-3	3093	2316	37772	416	151	9	133	1167	246	15	20	Asille Group, Kenya
6-3-4	3345	2222	38407	414	152	12	133	1169	250	13	17	Asille Group, Kenya
6-3-5	3288	2197	37491	389	141	12	123	1016	221	13	18	Asille Group, Kenya
6-3-6	3047	2211	37347	426	151	10	132	1159	246	14	15	Asille Group, Kenya
6-3-7	1897	2925	44554	796	378	16	439	3599	680	63	71	Sugata, Kenya
6-3-8	1884	1675	32029	423	243	11	186	1961	359	30	27	Sugata, Kenya
6-3-9	1909	3054	46496	683	225	13	225	1847	386	25	27	Sugata, Kenya
6-3-10	7080	2412	42506	407	151	13	133	1170	251	15	17	Asille Group, Kenya
6-3-11	3354	2396	39941	478	158	9	132	1190	249	12	14	Asille Group, Kenya

6-3-12	1799	2855	43652	618	224	13	226	1836	373	22	25	Sugata, Kenya
6-3-13	3697	2157	37466	416	139	11	130	1009	220	9	16	Asille Group, Kenya
6-3-14	3137	1721	29124	336	128	11	103	955	197	15	20	Asille Group, Kenya
6-3-15	3053	1881	30600	346	145	12	110	1020	205	11	21	Asille Group, Kenya
6-3-16	2984	2158	37246	426	149	13	135	1162	254	11	21	Asille Group, Kenya
6-3-17	1544	1371	28774	485	144	18	200	1606	226	28	22	unknown
6-4-1	3564	2136	37301	375	136	13	129	1029	218	15	17	Asille Group, Kenya
6-4-2	3567	2218	36438	366	129	9	117	959	210	9	13	Asille Group, Kenya
6-4-3	8382	2185	42981	372	131	16	119	1019	222	14	20	Asille Group, Kenya
6-4-4	1395	1404	29485	518	147	14	211	1680	235	22	13	unknown
6-4-5	3566	1851	35744	471	163	15	144	1122	231	20	22	Asille Group, Kenya
6-4-6	260	623	20379	91	-3	10	3	19	1	1	5	not obsidian
6-4-7	2884	1821	29780	369	139	11	115	985	197	17	24	Asille Group, Kenya
6-4-8	3450	2243	38183	396	139	13	124	1044	225	12	21	Asille Group, Kenya
6-4-9	3603	2134	36352	392	146	12	130	1146	248	12	23	Asille Group, Kenya
6-4-10	3314	2004	32039	453	150	9	109	1004	205	16	22	Asille Group, Kenya
6-4-11	3350	2296	38311	461	146	11	128	1105	234	14	9	Asille Group, Kenya
6-4-12	3832	2312	39027	401	139	12	127	1009	217	11	10	Asille Group, Kenya
6-5-1	4034	2168	35442	367	152	14	122	1087	219	15	21	Asille Group, Kenya
6-5-2	3317	2411	39906	425	145	10	130	1075	228	16	22	Asille Group, Kenya
6-5-3	1649	1329	27953	496	141	10	197	1569	221	21	18	unknown
6-5-4	3169	2245	37642	416	157	10	134	1161	248	17	20	Asille Group, Kenya
6-5-5	3353	1890	30930	464	142	11	106	958	198	15	18	Asille Group, Kenya
6-5-6	4822	2668	45405	531	154	13	134	1178	250	18	20	Asille Group, Kenya
6-5-7	1448	1311	28180	473	142	14	192	1575	223	24	25	unknown
6-5-8	2161	2908	44611	866	375	18	424	3500	651	64	60	Sugata, Kenya
6-6-1	3432	2352	39330	413	149	11	135	1064	228	17	20	Asille Group, Kenya
6-6-2	3224	2091	36809	408	139	9	128	1036	223	14	23	Asille Group, Kenya
6-6-3	3242	2176	36952	380	140	12	122	1037	223	14	20	Asille Group, Kenya
6-6-4	2766	1700	31547	434	179	11	149	1510	261	25	21	Sugata, Kenya
6-6-5	3140	1968	31716	387	147	11	111	1025	214	16	23	Asille Group, Kenya
6-7-1	4716	2025	37236	395	156	13	120	1007	210	15	13	Asille Group, Kenya
6-7-2	1503	1486	29894	509	153	14	213	1716	248	25	23	unknown

4) Elemental Concentrations for all Archaeological Samples Form Tuto Fela Site by unit and sample number, and the USGS RGM-1 Rhyolite Standard. All measurements in parts per million (ppm) (Shackley 2017: Table 1).

Unit/ Sample	Site	Ti	Mn	Fe	Zn	Rb	Sr	Y	Zr	Nb	Ba	Source
Surface collection	Tuto Fela	3461	1929	44236	354	137	12	115	1050	234	28	Asille Group, Kenya
	Tuto Fela	2792	2256	50766	384	143	13	120	1042	230	0	Asille Group, Kenya
	Tuto Fela	3139	2400	55489	436	155	9	136	1228	271	0	Asille Group, Kenya
	Tuto Fela	2886	2215	51796	404	155	9	141	1188	260	0	Asille Group, Kenya
	Tuto Fela	1770	1608	39890	415	238	9	176	1913	368	0	Sugata, Kenya
	Tuto Fela	2709	1996	47149	338	134	10	118	1013	218	0	Asille Group, Kenya
	Tuto Fela	3081	2308	55734	440	160	11	123	1193	259	0	Asille Group, Kenya
	Tuto Fela	2632	2105	47917	349	137	10	119	1012	219	12	Asille Group, Kenya
	Tuto Fela	3092	2373	56344	427	142	11	128	1036	221	0	Asille Group, Kenya
	Tuto Fela	1610	1265	34734	424	136	17	176	1496	216	86	Sugata, Kenya
	Tuto Fela	2960	2121	49094	382	146	11	132	1147	254	0	Asille Group, Kenya
	Tuto Fela	2464	1829	39366	310	142	13	107	1022	222	0	Asille Group, Kenya
	Tuto Fela	1388	1314	35635	484	164	15	202	1719	246	37	Sugata, Kenya
	Tuto Fela	2047	1772	43384	417	248	9	182	1987	375	0	Sugata, Kenya
	Tuto Fela	2627	1975	45933	342	130	12	117	988	220	0	Asille Group, Kenya
	Tuto Fela	2727	2001	47932	357	132	9	116	1033	234	4	Asille Group, Kenya
	Tuto Fela	2673	2112	49293	406	149	9	124	1149	260	19	Asille Group, Kenya
	Tuto Fela	2656	1919	44188	322	129	12	108	966	215	0	Asille Group, Kenya
	Tuto Fela	2403	1810	46778	393	173	13	148	1183	263	0	Asille Group, Kenya
	Tuto Fela	2575	1798	38804	321	145	9	109	1019	219	0	Asille Group, Kenya
	Tuto Fela	2543	1713	38030	305	144	9	106	1020	215	0	Asille Group, Kenya
	Tuto Fela	2992	2333	53392	401	144	12	124	1053	234	0	Asille Group, Kenya
	Tuto Fela	2825	2025	47905	355	139	13	113	1020	229	0	Asille Group, Kenya
	Tuto Fela	2803	2059	48937	371	141	9	124	1031	236	16	Asille Group, Kenya
	Tuto Fela	2664	2097	49185	385	137	13	125	1025	223	11	Asille Group, Kenya