

Isotopic ratios										Uncorrected Ages (Ma)						207Pb Corrected		208Pb Corrected Ages (Ma)						Best			
Grain No.	U(ppm)	Th/U	206/238	1σ%	207/235	1σ%	207/206	1σ %	% common lead	206/238	2σ	207/235	2σ	207/206	2σ	206/238	2σ	206/238	2σ	207/235	2σ	207/206	2σ	Age	2σ	Discord %	
G5	33	0.73	0.06076	3.2	3.28566	10.0	0.42303	4.5	63.47	380.2	25.3	1477.7	5967.0	3993.0	66.7	202.5	11.4	-457.8	19.2	620.5	2504.7	2501.3	782.3	380.2	25.3	74.3	
G8	589	0.36	0.01898	1.2	0.14214	2.6	0.0557	2.4	1.27	121.2	3.4	134.9	5977.4	440.4	53.6	120.1	2.3	118.8	2.4	112.7	1427.7	-33.2	2229.5	120.1	2.3	-5.5	
G15	196	1.92	0.02417	1.4	0.16093	4.0	0.04941	3.6	-6.18	154.0	4.6	151.5	10.4	167.3	83.7	153.9	2.8	-67.5	4.2	306.1	69.5	1606.4	369.3	154.0	4.6	-1.6	
G16	556	0.23	0.02569	1.0	0.30798	1.6	0.08894	1.4	3.71	163.5	3.8	272.6	88.0	1402.9	26.6	155.3	2.4	143.7	2.5	189.7	32.5	608.5	82.8	155.3	2.4	24.2	
G17	651	0.35	0.20603	1.0	2.47185	1.8	0.08906	0.9	-0.37	1207.6	25.3	1263.8	164.3	1405.5	17.7	1194.3	11.2	1259.0	11.1	1309.0	493.7	1472.1	451.7	1472.1	451.7	3.8	
G18	40	0.34	0.04052	1.8	2.24044	3.9	0.4985	2.2	101.37	256.1	9.5	1193.8	6263.3	4236.8	32.4	110.8	4.5	-291.3	7.6	358.5	1884.9	2375.3	785.5	256.1	9.5	78.6	
G25	321	0.89	0.02499	1.1	0.24803	2.2	0.07728	1.9	-0.12	159.1	4.1	225.0	#####	1128.4	38.2	153.5	2.5	183.5	2.8	242.6	2275.4	1152.5	1028.2	153.5	2.5	24.4	
G29	781	0.75	0.00432	1.4	0.10992	2.0	0.1869	2.1	13.72	27.8	2.0	105.9	#####	2715.1	34.3	22.9	1.9	11.0	1.9	49.2	1327.1	1525.7	939.5	27.8	2.0	73.8	
G42	2054	0.73	0.00351	1.7	0.03297	4.3	0.06803	4.4	-0.80	22.6	2.0	32.9	67.3	869.5	91.4	22.0	1.9	25.9	1.9	36.2	38.1	1050.9	149.9	22.0	1.9	28.4	
G43	508	0.25	0.18418	0.9	2.26943	1.5	0.0893	0.9	0.33	1089.8	22.3	1202.8	83.9	1410.6	16.4	1071.0	10.0	1096.6	9.9	1178.2	74.6	1350.6	48.6	1350.6	48.6	6.9	
G44	458	0.33	0.23505	0.9	2.85932	1.5	0.09115	0.8	-0.35	1360.9	28.4	1371.3	187.9	1449.7	15.6	1353.6	12.5	1414.0	12.1	1423.9	118.5	1512.7	64.1	1512.7	64.1	0.7	
G49	83	0.91	0.0371	1.4	1.15134	2.9	0.24923	1.9	24.95	234.8	6.8	777.9	4624.0	3179.9	29.6	176.0	3.3	-60.1	5.1	344.1	638.9	1596.7	1507.3	234.8	6.8	69.8	
G57	4906	0.31	0.01106	1.0	0.11509	1.1	0.0759	1.1	0.96	70.9	2.3	110.6	14.8	1092.4	21.7	68.4	2.0	70.1	2.0	99.8	8.6	879.7	119.6	68.4	2.0	29.7	
G58	989	0.82	0.02667	1.2	0.30664	2.4	0.08294	2.0	0.42	169.7	4.4	271.6	460.1	1267.8	38.4	162.5	2.7	186.1	2.9	259.7	92.5	1187.3	592.3	162.5	2.7	28.4	
G59	18	0.65	0.09208	1.9	5.1464	5.6	0.54026	2.2	132.30	567.8	22.1	1843.8	5815.9	4355.0	32.1	219.5	9.8	-1285.5	26.3	775.0	923.2	2902.2	1952.6	567.8	22.1	69.2	
G62	3769	0.27	0.01834	1.0	0.12254	1.3	0.0481	1.2	-0.74	117.2	3.0	117.4	#####	104.2	29.1	117.2	2.2	123.5	2.2	131.2	2089.9	377.0	3011.7	117.2	3.0	0.2	
G64	522	0.87	0.02489	1.2	0.20188	2.7	0.06055	2.3	-0.40	158.5	4.2	186.7	#####	623.3	49.9	156.2	2.6	184.9	2.8	201.7	1668.8	734.4	1598.6	156.2	2.6	8.3	
G67	105	0.87	0.08688	1.1	7.47059	2.3	0.65919	1.0	263.59	537.1	12.4	2169.5	6564.6	4644.2	14.7	124.2	5.3	-3049.8	41.7	961.8	2728.6	4178.3	671.8	537.1	12.4	75.2	
G69	563	0.30	0.21793	1.0	2.70529	2.3	0.0901	1.1	0.19	1270.9	27.7	1329.9	#####	1427.7	20.6	1259.4	12.3	1291.0	12.0	1315.8	1045.4	1393.2	961.9	1393.2	961.9	1.9	
G71	647	0.04	0.25134	0.9	3.59833	1.1	0.10427	0.7	0.64	1445.4	30.0	1549.2	6498.9	1701.5	13.7	1420.1	13.1	1417.7	12.3	1504.8	1048.8	1601.4	867.4	1601.4	867.4	5.8	
G76	595	0.23	0.01593	1.2	0.25059	2.1	0.11367	1.9	7.36	101.9	3.1	227.1	#####	1858.9	33.7	93.4	2.2	76.4	2.3	115.1	1516.8	554.0	1887.8	93.4	2.2	33.6	
G78	6	0.23	0.60912	2.4	21.37401	12.5	0.34946	2.2	37.96	3066.5	185.2	3155.7	#####	3704.6	33.0	2303.9	72.7	-251.4	234.9	2424.7	3112.6	2481.7	847.6	3704.6	33.0	2.8	
G82	27	0.26	0.06413	2.5	4.26213	6.9	0.60046	3.0	189.66	400.7	20.4	1686.1	7204.8	4509.1	44.2	122.3	10.1	-688.2	21.6	458.7	972.7	2716.4	1259.9	400.7	20.4	76.2	
G85	847	0.04	0.01796	1.2	0.24419	2.4	0.09605	2.1	5.91	114.8	3.4	221.8	2064.5	1548.8	39.0	107.8	2.3	92.3	2.3	113.8	182.1	228.5	3189.1	107.8	2.3	18.9	
G90	554	0.29	0.02691	1.0	0.37353	1.6	0.10088	1.3	6.21	171.2	3.9	322.3	3.5	1640.4	23.6	160.1	2.5	135.0	2.6	173.7	10.6	346.0	123.6	160.1	2.5	22.3	
G91	2486	0.03	0.0105	1.0	0.12312	1.2	0.08453	1.1	4.24	67.3	2.3	117.9	69.7	1304.8	20.8	64.2	2.0	57.8	2.0	70.3	24.5	268.0	80.1	64.2	2.0	17.8	

Appendix 3.2. U-Pb ages of detrital zircons in the Topanga Formation (OT12), as determined by LA-ICP-MS