

TABLE DR1. METHOW BASIN AGE DATA

The common lead correction was done using a 207-correction for Mesozoic ages. The 207-correction was used because of the extremely low counts of 204Pb, and can be used reliably even though measured 207Pb/206Pb ratios have high uncertainties. On a Tera Wasserburg concordia diagram, the large uncertainty in the 207Pb/206Pb ratio is in the y-axis and falls along the correction line projected from the accepted common lead value (0.86), through the data ellipse, to concordia. Therefore, as long as the 238Pb/206Pb ratio (x-axis) is precisely measured by SHRIMP-RG, a 207-correction for common lead in young grains is as or more accurate than a 204-correction.

Analyses more than 5% discordant and with U ppm > 100 shown in italics.

Sample KD3: Lower Harts Pass								
	Uncorrected Data						207-Corrected Data	
	U/ppm	Th/ppm	238U/206Pb	$\pm 238U/206Pb$	207Pb/206Pb	$\pm 207Pb/206Pb$	206Pb/238U Age	$\pm 206Pb/238U$ Age
KD3-1.1	36.82	3.65	28.468	0.92924	0.08563	0.00393	212.9	6.92
KD3-2.1	478.91	214.73	38.312	0.4856	0.0525	0.00127	165.46	2.09
KD3-3.1	25.63	5.08	46.636	1.7442	0.1125	0.00928	125.85	4.93
KD3-4.1	30.2	11	37.812	1.0762	0.10969	0.01274	155.62	5.13
KD3-5.1	27.07	5.72	48.765	1.8141	0.13339	0.01329	116.95	4.83
KD3-6.1	374.73	219.39	37.762	0.45502	0.05408	0.00102	167.52	2
KD3-7.1	40.74	10.36	53.293	1.4747	0.09721	0.00515	112.51	3.18
KD3-8.1	57.93	11.32	39.251	1.1604	0.07728	0.00362	156.52	4.63
KD3-9.1	200.83	114.56	37.217	0.5224	0.056	0.00215	169.55	2.39
KD3-10.1	284.88	181.06	37.509	0.67626	0.05533	0.00127	168.38	3.01
KD3-11.1	188.11	65.25	34.439	0.44063	0.058	0.00278	182.64	2.39
KD3-12.1	18.29	3.84	48.566	1.7716	0.15388	0.01385	114.04	4.71
KD3-13.1	17.89	5.39	31.352	1.0989	0.14952	0.01108	177.35	6.74
KD3-14.1	34.52	15.23	38.833	1.1833	0.12251	0.00842	148.92	4.81
KD3-15.1	196.06	73.62	37.467	0.70279	0.05289	0.00249	169.08	3.17
KD3-16.1	65.36	16.78	51.186	1.7534	0.10323	0.00936	116.17	4.21
KD3-17.1	20.1	7.77	31.58	1.0602	0.16365	0.01664	172.53	7.07
KD3-18.1	95.41	52.17	37.282	0.66474	0.07339	0.00492	165.55	3.1
KD3-19.1	32.97	9.27	45.43	1.1437	0.13031	0.00666	126.03	3.35
KD3-20.1	255.18	67.82	40.708	0.6229	0.05738	0.00215	154.85	2.38
KD3-21.1	92.18	44.38	35.002	0.63057	0.07002	0.00309	177.01	3.22
KD3-22.1	76	25.11	43.979	0.86124	0.07884	0.00422	139.52	2.81
KD3-23.1	42.41	11.3	41.028	0.80578	0.1047	0.00965	144.46	3.37
KD3-24.1	26.36	6.25	51.432	1.4309	0.15699	0.01466	107.23	3.74
KD3-25.1	309.41	265.48	37.329	0.44954	0.05731	0.00115	168.76	2.02
KD3-26.1	89.88	30.87	55.514	1.2183	0.07648	0.00484	111.03	2.51
KD3-27.1	32.28	11.91	39.634	0.89867	0.12423	0.01224	145.58	4.08
KD3-28.1	187.97	68.28	38.862	0.52565	0.06571	0.00396	160.44	2.29
KD3-29.1	35.58	12.2	32.292	1.0722	0.09911	0.00525	184.6	6.18
KD3-30.1	126.65	56.68	37.581	0.64421	0.07061	0.00207	164.83	2.82
KD3-31.1	301.8	115.83	39.281	0.68433	0.06609	0.00165	158.67	2.75
KD3-32.1	51.53	20.62	37.988	0.91671	0.11924	0.0059	152.9	3.85
KD3-33.1	24.29	12.94	31.891	0.88954	0.1498	0.01028	174.31	5.43
KD3-34.1	32.17	11.97	32.49	1.4131	0.20959	0.01433	156.46	7.58
KD3-35.1	444.46	328.37	38.224	0.57987	0.05835	0.00309	164.63	2.55
KD3-36.1	866.15	203.15	41.711	0.53197	0.05352	0.00136	151.89	1.93
KD3-37.1	42.44	16.15	47.217	1.5405	0.16451	0.00817	115.48	3.98
KD3-38.1	35.59	13.23	45.504	2.0045	0.18735	0.0128	115.78	5.53
KD3-39.1	106.11	43.68	37.438	0.71074	0.08945	0.00804	161.46	3.47
KD3-40.1	42.81	11.3	46.692	1.627	0.16826	0.01436	116.13	4.71
KD3-41.1	21.5	3.33	29.327	1.0934	0.19078	0.02181	178.35	8.8
KD3-42.1	733.18	647.52	38.558	0.55512	0.05468	0.00097	163.97	2.34
KD3-43.1	224.8	90.37	38.749	0.71502	0.06616	0.00235	160.81	2.97
KD3-44.1	51.54	21.78	38.618	1.0258	0.12802	0.00795	148.6	4.23
KD3-45.1	22.83	8.14	29.185	1.4704	0.19259	0.01947	178.72	10.33

KD3-46.1	240.8	105.34	34.163	0.61168	0.0692	0.00209	181.51	3.24
KD3-47.1	277.03	192.72	39.61	0.64543	0.06278	0.00163	158.02	2.56
KD3-48.1	502.19	173.94	38.228	0.76306	0.06824	0.00149	162.56	3.22
KD3-49.1	206.11	88.02	37.989	0.74879	0.06805	0.00385	163.61	3.28
KD3-50.1	43.47	14.89	45.279	2.1998	0.1322	0.01362	126.12	6.53
KD3-51.1	79.68	28.07	36.771	0.89051	0.09429	0.00711	163.32	4.2
KD3-52.1	293	144.88	38.915	0.74846	0.07159	0.00315	159.02	3.09
KD3-53.1	326.82	175.45	38.817	0.778	0.06681	0.00284	160.4	3.23
<i>KD3-54.1</i>	<i>102.36</i>	<i>31.7</i>	<i>52.075</i>	<i>1.2128</i>	<i>0.11232</i>	<i>0.00547</i>	<i>112.8</i>	<i>2.74</i>
KD3-55.1	110.68	28.58	49.179	1.2425	0.09459	0.004	122.3	3.13
KD3-56.1	91.28	18.36	41.711	0.82963	0.10495	0.00777	142.06	3.16
KD3-57.1	36.63	8.11	32.578	1.195	0.18977	0.02	160.89	7.59
KD3-58.1	52.97	18.44	46.605	1.2344	0.15202	0.01915	119.14	4.53
KD3-59.1	28.6	9.26	32.303	1.7343	0.16092	0.01838	169.36	10.04
KD3-60.1	46.29	17.36	36.112	1.1278	0.13874	0.00976	156.49	5.28

Sample KD7: Middle Harts Pass

	Uncorrected Data					207-Corrected Data		
	U/ppm	Th/ppm	238U/206Pb	±238U/206Pb	207Pb/206Pb	±207Pb/206Pb	206Pb/238U Age	±206Pb/238U Age
KD7-1.1	62.05	40.5	36.83	0.90476	0.07548	0.00355	169.28	4.17
KD7-2.1	275.07	179.78	40.016	0.66054	0.05624	0.0038	159.67	2.7
KD7-3.1	53.91	24.93	44.223	2.4189	0.10619	0.01216	135.92	7.66
KD7-4.1	30.01	7.93	43.596	1.4479	0.2486	0.01723	112.54	4.81
KD7-5.1	75.69	10.5	38.564	1.209	0.08782	0.00773	159.3	5.17
KD7-6.1	25.05	13.33	32.932	0.96468	0.14103	0.01521	173.74	6.15
KD7-7.1	20.93	9.1	33.957	1.3297	0.10266	0.01196	177.26	7.37
KD7-8.1	14.26	4.22	34.808	1.3957	0.12339	0.02125	168.39	8.16
KD7-9.1	98.24	38.2	41.191	0.72038	0.07253	0.00424	152.12	2.75
KD7-10.1	149.3	101.3	37.133	0.69041	0.06238	0.00247	170.64	3.17
KD7-11.1	25.02	12.87	37.795	1.0748	0.07971	0.00601	164.15	4.77
KD7-12.1	146.54	37.17	53.692	1.0091	0.06177	0.00248	118.58	2.24
KD7-13.1	20.76	7.11	33.195	1.0703	0.09759	0.01513	182.44	6.78
KD7-14.1	16.79	7	32.428	1.1852	0.10118	0.01514	185.85	7.6
KD7-15.1	159.64	40.47	53.192	0.98287	0.05725	0.00222	120.34	2.23
KD7-16.1	135.88	56.62	40.795	0.68197	0.05813	0.00237	156.3	2.62
KD7-17.1	32.84	14.96	34.841	0.84348	0.0867	0.01101	176.34	4.86
KD7-18.1	89.69	27.08	36.342	0.76263	0.06291	0.00514	174.19	3.77
KD7-19.1	136.08	27.19	40.071	0.59413	0.05991	0.00357	158.75	2.42
KD7-20.1	27.35	6.03	51.553	1.5346	0.10178	0.00959	117.43	3.75
KD7-21.1	255.75	142.14	39.058	0.64005	0.05712	0.00148	163.37	2.66
KD7-22.1	89.2	32.29	49.896	0.98185	0.05685	0.00359	128.27	2.56
KD7-23.1	67.61	12.39	34.629	0.65067	0.07227	0.00372	180.61	3.45
KD7-24.1	70.16	30.75	38.756	0.91261	0.07553	0.00756	160.96	4.03
KD7-25.1	31.31	12.79	37.639	0.95654	0.09026	0.00986	162.67	4.56
KD7-26.1	17.47	6.11	31.913	1.3284	0.11817	0.01197	184.71	8.11
KD7-27.1	17.34	5.46	33.71	1.232	0.1163	0.00783	175.43	6.58
KD7-28.1	43.02	9.33	40.732	1.0135	0.07257	0.00422	153.81	3.87
KD7-29.1	166.19	40.33	56.689	0.84015	0.05572	0.0028	113.19	1.71
KD7-30.1	40.7	22.56	37.121	1.4223	0.09947	0.00793	162.99	6.39
KD7-31.1	37.54	13.09	42.613	1.4468	0.08804	0.00542	144.29	4.94
KD7-32.1	100.06	53.22	39.213	0.97148	0.06816	0.00283	160.56	3.97
KD7-33.1	126.9	91.59	38.244	0.6529	0.07925	0.00459	162.34	2.89
KD7-34.1	19.06	7.94	32.991	1.698	0.10246	0.00876	182.42	9.49
KD7-35.1	58.29	12.81	39.032	0.77445	0.07757	0.00368	159.44	3.21
KD7-36.1	29.45	7.65	46.877	1.9395	0.10066	0.01001	129.21	5.55
KD7-37.1	259.03	171.67	40.836	0.99227	0.0652	0.00183	154.81	3.73
KD7-38.1	27.92	13.06	41.365	1.0805	0.11053	0.01182	144.4	4.34
KD7-39.1	27.19	13.82	33.144	1.385	0.08916	0.00613	184.67	7.74
KD7-40.1	21.06	8.12	35.578	1.0052	0.11076	0.01148	167.53	5.29

KD7-41.1	81.82	43.7	38.609	0.6894	0.06148	0.00299	164.37	2.96
KD7-42.1	25.22	9.72	35.336	1.0755	0.10701	0.00685	169.48	5.31
KD7-43.1	35.6	20.36	36.963	0.92204	0.09104	0.00494	165.44	4.2
KD7-44.1	46.82	13.46	52.535	1.405	0.08973	0.00782	117.03	3.31
KD7-45.1	25.5	11.35	34.427	0.94667	0.09962	0.00614	175.55	4.96
KD7-46.1	113.59	59.96	38.769	0.72097	0.05957	0.00422	164.08	3.13
KD7-47.1	72.6	17.53	55.131	1.3787	0.07325	0.00703	113.89	2.99
KD7-48.1	164.33	35.77	40.248	0.6209	0.05862	0.00369	158.31	2.51
KD7-49.1	107.78	36.66	53.864	1.0371	0.06072	0.00313	118.35	2.3
KD7-50.1	86.42	15.43	29.492	0.67338	0.06256	0.00315	214.07	4.88
KD7-51.1	46.05	25.99	38.058	1.3105	0.07512	0.00452	163.96	5.65
KD7-52.1	81.13	17.4	60.611	1.751	0.07576	0.00765	103.36	3.12
KD7-53.1	138.27	90.82	37.832	0.63468	0.05973	0.00202	168.06	2.81
KD7-54.1	218.91	106.98	39.252	0.64664	0.05659	0.00242	162.67	2.69
KD7-55.1	22.11	11.24	35.743	1.1394	0.11329	0.00722	166.22	5.46
KD7-56.1	33.54	17.15	36.813	1.3842	0.08679	0.00834	167	6.44
KD7-57.1	19.16	7.02	33.765	1.2709	0.09322	0.008	180.39	6.94
KD7-58.1	31.29	8.34	50.794	2.9251	0.09662	0.01614	119.95	7.28
KD7-59.1	37.17	19.82	37.079	1.1479	0.08112	0.00744	166.99	5.33
KD7-60.1	200.3	36.32	38.795	0.55502	0.05711	0.00286	164.46	2.39

Sample KD22: Upper (Lower) Harts Pass

	Uncorrected Data						207-Corrected Data	
	U/ppm	Th/ppm	238U/206Pb	±238U/206Pb	207Pb/206Pb	±207Pb/206Pb	206Pb/238U Age	±206Pb/238U Age
<i>KD22-2.1</i>	283.3	119.9	38.706	0.81561	0.11023	0.00435	151.98	3.29
KD22-3.1	134.59	91.31	37.456	0.9333	0.08076	0.00306	163.25	4.07
KD22-4.1	195.01	142.33	36.431	0.73459	0.07143	0.00223	169.83	3.41
KD22-5.1	78.31	29.23	32.038	0.80572	0.10333	0.00389	185.08	4.69
KD22-6.1	329.18	172.29	37.21	0.58811	0.06368	0.00158	167.94	2.64
KD22-7.1	64.44	23.19	30.773	0.95905	0.14732	0.00905	181.39	6.04
KD22-8.1	130.79	67.67	33.806	0.82959	0.08249	0.00289	180.32	4.42
KD22-9.1	54.03	17.26	33.136	1.4218	0.14713	0.01226	168.57	7.72
KD22-10.1	24.64	4.21	30.825	1.1902	0.22869	0.01057	160.29	6.69
KD22-11.1	345.57	5.86	41.277	0.59373	0.0647	0.00202	151.33	2.19
KD22-12.1	206.8	79.78	35.166	0.78449	0.07281	0.0021	175.58	3.89
KD22-13.1	62.16	36.93	32.652	0.822	0.11519	0.00801	178.76	4.84
KD22-14.1	32.39	10.04	32.5	1.1216	0.15777	0.0077	169.27	6.06
KD22-15.1	171.68	89.41	37.59	0.72156	0.06244	0.00355	166.52	3.24
KD22-16.1	150.39	39.71	48.301	1.2854	0.07171	0.00446	128.3	3.46
KD22-17.1	115.71	33.84	35.365	0.58482	0.06748	0.00507	175.78	3.08
KD22-18.1	180	60.25	37.815	0.6119	0.06844	0.00572	164.28	2.89
KD22-19.1	50.18	17.37	35.072	1.0408	0.10508	0.00659	168.78	5.16
KD22-20.1	170.89	89.3	37.616	0.78373	0.07685	0.00458	163.38	3.5
KD22-21.1	47.91	23.57	31.983	1.2736	0.12806	0.00848	179.31	7.35
KD22-22.1	189.06	247.39	41.501	0.83352	0.07228	0.00355	149.06	3.04
KD22-23.1	142.88	27.38	39.626	0.84503	0.09098	0.00633	152.33	3.45
KD22-24.1	137.24	74.71	37.547	0.6463	0.09239	0.00343	160.41	2.82
KD22-25.1	55.06	27.13	32.392	1.2042	0.12649	0.01142	177.44	7.08
KD22-26.1	159.75	51.79	37.577	0.77928	0.08754	0.00532	161.3	3.49
<i>KD22-27.1</i>	<i>129.98</i>	<i>26.14</i>	<i>51.138</i>	<i>1.4282</i>	<i>0.10149</i>	<i>0.00875</i>	<i>116.58</i>	<i>3.5</i>
KD22-28.1	475.5	151.54	34.586	0.49032	0.06093	0.00155	181.2	2.56
KD22-29.1	151.58	60.15	34.633	0.73101	0.08424	0.00349	175.65	3.74
KD22-30.1	45.02	15.39	30.173	1.0439	0.15143	0.00703	183.9	6.54
KD22-31.1	56.4	16.33	31.644	0.71607	0.12094	0.0052	182.99	4.28
KD22-32.1	133.79	63.24	36.015	0.6825	0.09243	0.00682	167.17	3.47
KD22-33.1	49.77	19.43	31.908	0.98076	0.13463	0.00973	178.11	5.91
KD22-34.1	59.7	31.58	31.925	1.0793	0.11786	0.00566	182.15	6.23
KD22-35.1	246.93	103.46	36.94	0.71593	0.07177	0.00247	167.43	3.25
<i>KD22-36.1</i>	<i>101.15</i>	<i>33.42</i>	<i>47.125</i>	<i>1.2488</i>	<i>0.10192</i>	<i>0.00435</i>	<i>126.38</i>	<i>3.4</i>

KD22-37.1	62.91	33.4	33.554	0.86006	0.12496	0.0052	171.7	4.51
KD22-38.1	57.56	17.26	33.059	0.7816	0.13317	0.00574	172.29	4.25
KD22-39.1	480.16	222.2	38.279	0.74364	0.05796	0.00196	164.47	3.18
KD22-40.1	133.96	65.52	35.316	0.78158	0.09041	0.00344	170.9	3.81
KD22-41.1	174.37	90.35	37.249	0.70336	0.07271	0.00234	165.85	3.13
KD22-42.1	71.59	17.88	31.862	0.96053	0.12169	0.00967	181.56	5.9
KD22-43.1	674.17	215.1	37.596	0.57065	0.05707	0.00147	167.62	2.53
KD22-44.1	71.4	32.06	31.959	0.92222	0.11954	0.014	181.54	6.21
KD22-45.1	37.56	17.51	28.477	1.1691	0.20553	0.01692	179.88	8.66
KD22-46.2	253.44	117	38.016	1.1871	0.07071	0.00286	162.95	5.06
<i>KD22-47.1</i>	<i>114.02</i>	<i>41.39</i>	<i>34.912</i>	<i>0.85001</i>	<i>0.11454</i>	<i>0.00378</i>	<i>167.41</i>	<i>4.11</i>
KD22-48.1	139.59	66.84	36.155	1.0766	0.09874	0.00386	165.15	4.93
KD22-49.1	177.9	112.43	34.35	0.68647	0.08757	0.00252	176.33	3.53
<i>KD22-50.1</i>	<i>110.58</i>	<i>23.43</i>	<i>39.45</i>	<i>1.3198</i>	<i>0.1385</i>	<i>0.00765</i>	<i>143.46</i>	<i>4.99</i>
KD22-51.1	67.73	25.78	31.241	0.95289	0.13331	0.00545	182.21	5.65
<i>KD22-52.1</i>	<i>184.52</i>	<i>95.6</i>	<i>36.535</i>	<i>0.6482</i>	<i>0.10837</i>	<i>0.00296</i>	<i>161.36</i>	<i>2.9</i>
KD22-53.1	57.44	33.11	30.366	1.0817	0.17488	0.00904	176.67	6.64
<i>KD22-54.1</i>	<i>108.54</i>	<i>44.36</i>	<i>33.365</i>	<i>0.69017</i>	<i>0.11583</i>	<i>0.00395</i>	<i>174.82</i>	<i>3.69</i>
<i>KD22-55.1</i>	<i>220.26</i>	<i>44.05</i>	<i>54.306</i>	<i>1.2075</i>	<i>0.10685</i>	<i>0.0046</i>	<i>109.02</i>	<i>2.5</i>
<i>KD22-56.1</i>	<i>207.92</i>	<i>49.69</i>	<i>37.753</i>	<i>0.60219</i>	<i>0.10177</i>	<i>0.00501</i>	<i>157.57</i>	<i>2.7</i>
KD22-57.1	52.96	19.46	29.836	1.1885	0.18582	0.01027	176.91	7.46
KD22-58.1	172.88	83.96	36.99	0.8705	0.08137	0.00299	165.16	3.89
KD22-59.1	968.53	687.6	37.647	0.56914	0.07502	0.00275	163.63	2.51
KD22-60.1	63.18	22.86	32.759	0.89168	0.1488	0.00864	170.1	5.02
KD22-61.1	96.37	30.89	33.236	0.83406	0.12909	0.00884	172.35	4.76

Sample KD24: Upper (Middle) Harts Pass

	Uncorrected Data					207-Corrected Data		
	U/ppm	Th/ppm	238U/206Pb	±238U/206Pb	207Pb/206Pb	±207Pb/206Pb	206Pb/238U Age	±206Pb/238U Age
KD24-1	27.39	9.26	34.988	1.6179	0.05024	0.00435	181.56	8.34
KD24-2	30.09	9.4	35.386	1.2734	0.05227	0.00955	179.07	6.71
KD24-3	110.2	26.01	49.768	1.1056	0.04621	0.00313	128.63	2.87
KD24-4	194.57	139.74	38.73	0.57465	0.05082	0.00155	164.04	2.42
KD24-5	39.01	13.18	32.66	1.3805	0.04822	0.00691	194.86	8.29
KD24-6	32.92	12.56	34.763	1.2701	0.06069	0.0045	180.34	6.58
KD24-7	181.2	18.92	41.11	1.022	0.04883	0.00207	155	3.83
KD24-8	140.52	48.34	49.792	1.1177	0.04845	0.00213	128.21	2.87
KD24-9	617.55	315.94	37.741	0.70205	0.04954	0.00116	168.57	3.11
KD24-10	45.56	14.35	34.509	1.094	0.05515	0.00414	182.93	5.8
KD24-11	217.87	164.51	50.393	0.75382	0.05149	0.0017	126.21	1.89
KD24-12	262.66	57.76	51.901	1.3045	0.04932	0.00204	122.9	3.08
KD24-13	219.31	88.84	35.778	0.5419	0.04753	0.00145	178.18	2.68
KD24-14	248.97	131.49	37.571	0.70069	0.0483	0.00204	169.59	3.15
KD24-15	336.51	297.58	38.99	0.61599	0.05353	0.00119	162.4	2.55
KD24-16	402.88	170.61	38.316	0.52454	0.04928	0.00164	166.11	2.27
KD24-17	288.94	125.64	39.626	0.80921	0.05307	0.00275	159.91	3.27
KD24-18	413.21	228.62	36.071	0.77033	0.04956	0.00103	176.3	3.72
KD24-19	24.41	9.54	35.897	1.2839	0.05803	0.00632	175.28	6.34
KD24-20	51.09	16.92	35.466	1.112	0.04685	0.00461	179.88	5.66
KD24-21	887.25	274.52	50.563	0.96145	0.04871	0.0012	126.23	2.38
KD24-22	218.3	99.03	38.878	0.54728	0.05222	0.00153	163.14	2.29
KD24-23	1095	643.98	37.889	0.5703	0.05144	0.00077	167.52	2.49
KD24-24	319.63	225.66	36.549	0.78865	0.05105	0.00141	173.69	3.71
KD24-25	160.11	112.93	37.479	0.69947	0.05185	0.0035	169.25	3.2
KD24-26	184.67	113.83	36.784	0.8538	0.05175	0.00178	172.44	3.97
KD24-27	643.93	372.99	37.12	2.2321	0.04849	0.0015	171.59	10.2
KD24-28	202.48	144.54	37.577	0.56993	0.05119	0.00173	168.95	2.56
KD24-29	77.22	15.72	34.774	0.92356	0.04919	0.00271	182.9	4.83
KD24-30	116.6	54.23	37.697	0.87649	0.05202	0.00339	168.24	3.93

KD24-31	37.61	15.15	36.027	1.1703	0.05341	0.00402	175.67	5.7
KD24-32	128.07	66.9	37.435	0.88523	0.05155	0.00187	169.51	3.98
KD24-33	344.69	213.34	34.274	0.95216	0.05228	0.01066	169.64	2.92
KD24-34	28.01	9.33	36.008	1.808	0.05803	0.03553	175.54	6.82
KD24-35	40.88	12.72	35.495	1.6861	0.05227	0.03224	185.39	4.83
KD24-36	30.41	11.58	39.235	3.4761	0.06527	0.0722	159.02	20.18
KD24-37	1101.7	1132.2	40.46	0.54015	0.05186	0.00237	156.88	2.12
KD24-38	703.67	503.85	37.533	0.6726	0.04881	0.00309	169.65	3.07
KD24-39	77.14	30.67	35.829	1.3998	0.05998	0.02642	175.18	8.92
KD24-40	584.43	296.53	37.528	0.65535	0.0488	0.00355	169.68	3.02
KD24-41	227.5	47.75	55.27	1.3855	0.05043	0.01562	115.29	3.65
KD24-42	1480.7	691.53	47.097	0.62925	0.04866	0.00175	135.46	1.82
KD24-43	224.58	48.8	45.217	0.93331	0.04887	0.00565	141.02	3.05
KD24-44	381.92	192.09	53.738	1.7774	0.05514	0.00555	117.86	3.95
KD24-45	208.57	101.17	34.542	2.2837	0.05697	0.0126	182.34	12.24
KD24-46	624.09	330.71	38.009	0.55822	0.04959	0.00145	167.38	2.45
KD24-47	104.31	35.56	36.704	1.3292	0.05316	0.02355	172.51	7.98
KD24-48	130.43	54.08	39.524	1.4215	0.0556	0.00689	159.81	5.84
KD24-49	76.14	11.2	53.695	2.2527	0.05382	0.02368	118.15	6.05
KD24-50	293.73	141.23	38.254	0.68687	0.05074	0.00517	166.08	3.13
KD24-51	370.1	62.08	54.832	1.3485	0.05158	0.00709	116.04	3.01
KD24-52	50.22	17.72	34.759	1.3991	0.0528	0.02306	182.16	8.93
KD24-53	126.32	44.46	36.443	1.11	0.04479	0.01002	175.55	5.71
KD24-54	243.48	128.62	36.959	0.83223	0.05071	0.00536	171.85	3.99
KD24-55	425.9	184.56	37.864	0.67606	0.05144	0.00331	167.63	3.03
KD24-56	36.88	10.87	35.124	1.3065	0.06344	0.00897	177.88	6.83
KD24-57	118.54	51.94	38.11	1.2903	0.05719	0.02134	165.36	7.08
KD24-58	424.43	238.05	35.635	0.71789	0.04986	0.00576	178.37	3.77
KD24-59	43.1	17.73	36.522	1.3687	0.04772	0.0045	174.54	6.53
KD24-60	871.25	527.88	39.233	0.56274	0.051	0.00205	161.92	2.33

Sample KD26: Upper (Upper) Harts Pass

	Uncorrected Data						207-Corrected Data	
	U/ppm	Th/ppm	238U/206Pb	±238U/206Pb	207Pb/206Pb	±207Pb/206Pb	206Pb/238U Age	±206Pb/238U Age
KD26-1	2409.5	2174.7	40.56	0.54583	0.04857	0.00049	157.14	2.09
KD26-2	401.51	303.14	39.343	0.523	0.04869	0.0013	161.93	2.14
KD26-3	3552.8	161.8	40.819	0.43801	0.04884	0.00037	156.09	1.66
KD26-4	40.46	13.9	35.873	1.096	0.0503	0.00455	177.1	5.43
KD26-5	597.87	303.58	40.043	0.58574	0.04985	0.00201	158.89	2.33
KD26-6	303.7	128.04	40.37	0.68996	0.04623	0.00184	158.33	2.7
KD26-7	29.9	10.76	35.042	1.48	0.06685	0.00632	177.84	7.55
KD26-8	71.11	22.28	36.08	1.5849	0.0547	0.00793	175.44	7.8
KD26-9	168.18	80.33	26.582	0.6474	0.05238	0.00207	238.08	5.73
KD26-10	229.8	177.03	37.11	0.70911	0.048	0.00239	172.05	3.28
KD26-11	396.35	151.14	37.064	0.78321	0.05006	0.00276	171.82	3.63
KD26-12	141.28	42.72	34.048	1.637	0.06072	0.00284	184.42	8.77
KD26-13	50.45	18.08	33.883	1.2468	0.04869	0.00567	188.12	6.95
KD26-14	270.94	115.79	35.376	0.77234	0.05143	0.0018	179.64	3.89
KD26-15	123.77	28.39	34.682	0.86964	0.04757	0.0025	184.08	4.59
KD26-16	107.61	53.39	34.008	1.0509	0.04667	0.00309	187.9	5.77
KD26-17	85.67	52.09	41.012	1.7378	0.04321	0.00373	156.74	6.6
KD26-18	259.2	24.48	35.81	0.90651	0.04895	0.00234	178.03	4.48
KD26-19	348.02	192.6	35.909	0.85174	0.0556	0.00186	176.07	4.14
KD26-20	142.39	66.02	37.463	0.83643	0.05059	0.0027	169.89	3.79
KD26-21	240.75	125.05	36.121	0.71089	0.05234	0.00214	175.76	3.45
KD26-22	200.03	81.63	36.653	0.65892	0.04861	0.00212	174.04	3.12
KD26-23	225.77	118.29	37.553	0.93049	0.04652	0.00364	170.35	4.24
KD26-24	81.27	39.16	39.11	1.0337	0.0532	0.00428	162.27	4.32
KD26-25	291.39	137.2	36.039	0.87715	0.05616	0.00293	175.32	4.26

KD26-26	609.14	348.51	39.002	0.79519	0.05177	0.00238	163	3.32
KD26-27	447.85	288.88	38.055	0.68725	0.0519	0.00227	167	3.02
KD26-28	62.58	26.34	35	1.1966	0.04028	0.0046	184.07	6.29
KD26-29	646.09	377.4	38.371	0.86032	0.04906	0.0021	166.22	3.71
KD26-30	319.61	160.62	38.482	0.85777	0.04875	0.00203	165.81	3.67
KD26-31	537.01	261.93	37.455	0.54184	0.05334	0.00137	169.34	2.44
KD26-32	185.39	145.04	37.141	0.99208	0.04758	0.00507	172	4.66
KD26-33	689.9	345.04	37.099	0.54021	0.05032	0.00122	171.6	2.48
KD26-34	144.18	41.14	50.265	1.3718	0.04993	0.00347	127.01	3.48
KD26-35	2334.5	3010.3	35.482	0.47711	0.04953	0.00099	179.53	2.39
KD26-36	222.29	114.27	37.602	0.74075	0.04638	0.00206	170.16	3.34
KD26-37	88.81	23.28	47.78	1.6199	0.04951	0.00364	133.64	4.53
KD26-38	33.72	10.98	34.028	1.288	0.04618	0.00529	187.91	7.12
KD26-39	45.15	16.62	32.914	1.1575	0.04744	0.00428	193.9	6.8
KD26-40	447.29	277.13	34.931	0.57252	0.04878	0.00175	182.51	2.98
KD26-41	319.1	119.93	36.413	0.67901	0.05171	0.00175	174.5	3.23
KD26-42	33.79	11.18	34.386	1.5222	0.04945	0.00527	185.21	8.18
KD26-43	60.06	28.02	36.531	1.2608	0.05056	0.0043	174.19	6.01
KD26-44	266.91	209.5	37.213	0.79734	0.05043	0.00197	171.06	3.64
KD26-45	35.06	14.11	36.545	1.3235	0.05213	0.00519	173.79	6.31
KD26-46	63.84	21.48	35.174	1.3912	0.05035	0.00425	180.9	7.12
KD26-47	24.39	9.89	37.298	2.7707	0.05311	0.0072	170.1	12.58
KD26-48	70.5	25.36	33.986	1.1372	0.05449	0.00376	186.2	6.21
KD26-49	90.28	18.22	40.682	1.943	0.05453	0.00357	155.79	7.39
KD26-50	55.31	38.36	33.676	1.3517	0.05235	0.00538	188.4	7.56
KD26-51	195.37	66.19	35.322	0.77229	0.05026	0.00214	180.17	3.92
KD26-52	109.64	40.07	36.121	1.5649	0.04804	0.00326	176.71	7.59
KD26-53	40.28	17.45	32.36	1.0417	0.04449	0.00419	197.91	6.36
KD26-54	362.35	149.79	35.049	0.57314	0.04875	0.00185	181.9	2.96
KD26-55	66.95	40.5	33.211	1.0906	0.04513	0.00462	192.74	6.33
KD26-56	1363.9	1807.1	31.561	0.37544	0.05031	0.00072	201.41	2.37
KD26-57	70.6	38.83	34.003	1.5999	0.05529	0.00408	185.92	8.68
KD26-58	309.57	166.18	33.568	0.63531	0.05026	0.00163	189.49	3.56
KD26-59	155.37	75.67	34.668	0.70118	0.05026	0.00278	183.54	3.72
KD26-60	32.9	10.28	33.684	1.445	0.05661	0.00555	187.35	8.03

Sample KD41: Upper-Middle Jackass Mountain

	Uncorrected Data						207-Corrected Data	
	U/ppm	Th/ppm	238U/206Pb	±238U/206Pb	207Pb/206Pb	±207Pb/206Pb	206Pb/238U Age	±206Pb/238U Age
KD41-1	1151.8	1714.4	54.282	0.87029	0.05829	0.0013	116.21	1.86
KD41-2	218.22	68.05	54.338	1.1368	0.08038	0.00567	112.84	2.48
KD41-3	168.79	42.98	53.197	1.6691	0.05329	0.00382	119.32	3.75
KD41-4	633.91	290.26	58.1	1.4168	0.05715	0.00237	108.78	2.65
KD41-5	217.67	69.52	43.12	0.89785	0.04986	0.00369	147.63	3.12
KD41-6	31.2	11.26	42.374	2.5645	0.06341	0.0126	147.67	9.15
KD41-7	390.23	74.07	58.376	1.5988	0.05171	0.00239	109.01	2.98
KD41-8	160.32	45.05	60.927	1.3213	0.05021	0.00687	104.67	2.43
KD41-9	124.61	37.57	41.227	1.3502	0.05081	0.00565	154.17	5.11
KD41-10	204.65	56.07	55.439	1.3715	0.04489	0.00507	115.74	2.93
KD41-11	159.8	32.43	53.273	1.7777	0.05039	0.00306	119.59	3.98
KD41-12	58.18	14.32	43.762	2.0003	0.06294	0.00569	143.1	6.55
KD41-13	192.26	55.38	56.518	1.8501	0.05236	0.00378	112.48	3.69
KD41-14	349.26	120.26	43.616	0.72159	0.0501	0.00234	145.92	2.43
KD41-15	436.19	260.49	42.237	0.63674	0.05138	0.00197	150.41	2.27
KD41-16	101.5	40.53	43.445	1.3578	0.05537	0.00374	145.53	4.55
KD41-17	65.03	16.15	40.546	2.021	0.05727	0.00559	155.48	7.74
KD41-18	247.95	103.48	55.683	0.99063	0.05001	0.00242	114.5	2.05
KD41-19	201.03	23.65	51.741	1.0579	0.05568	0.00395	122.29	2.55
KD41-20	199.3	54.96	50.482	0.92725	0.05228	0.00264	125.86	2.33

KD41-21	203.49	71.92	60.686	1.2773	0.05775	0.0042	104.09	2.24
KD41-22	74.04	26.42	44.353	1.2297	0.05572	0.00521	142.51	4.02
KD41-23	92	31.5	50.445	1.428	0.06028	0.00755	124.68	3.69
KD41-24	364.83	105.49	55.567	0.93397	0.05009	0.00382	114.72	1.99
KD41-25	79.16	26.57	57.758	2.1111	0.05901	0.00584	109.16	4.04
KD41-26	602.56	393.6	53.578	0.78941	0.05062	0.00308	118.88	1.8
KD41-27	323.72	104.09	58.349	1.5091	0.04846	0.00241	109.51	2.83
KD41-28	198.33	100.73	44.283	1.0917	0.04811	0.00293	144.1	3.55
KD41-29	285.68	126.32	53.758	1.3597	0.0505	0.00268	118.5	3
KD41-30	65.74	19.07	39.865	1.5857	0.05241	0.00417	159.08	6.31
KD41-31	57.73	17.56	43.412	2.2839	0.05297	0.00741	146.08	7.72
KD41-32	110.55	52.92	40.863	1.1856	0.05335	0.00562	155.04	4.58
KD41-33	236.19	89.62	54.344	1.4654	0.05106	0.00553	117.15	3.23
KD41-34	231.43	80.98	56.495	1.5138	0.06612	0.00351	110.57	2.98
KD41-35	344.2	188.5	41.922	0.6958	0.04854	0.00186	152.07	2.52
KD41-36	110.83	34.02	59.458	1.5022	0.05468	0.00414	106.64	2.73
KD41-37	192.01	63	45.53	1.0782	0.04881	0.00418	140.06	3.36
KD41-38	90.76	20.57	52.12	3.0182	0.05514	0.00501	121.49	7.02
KD41-39	387.87	168.61	54.36	1.1952	0.04952	0.00287	117.34	2.59
KD41-40	162.54	58.76	49.276	1.1817	0.05531	0.00321	128.43	3.09
KD41-41	385.88	225.32	37.563	0.72097	0.05027	0.00152	169.2	3.22
KD41-42	82.21	31.31	43.557	1.4032	0.05533	0.0049	145.16	4.71
KD41-43	240.19	64.72	55.804	1.7307	0.04773	0.00268	114.58	3.54
KD41-44	133.83	46.62	44.335	1.2519	0.05108	0.00327	143.4	4.05
KD41-45	179.05	39.46	59.042	1.301	0.05414	0.00513	107.46	2.45
KD41-46	125.56	38.92	56.653	1.4857	0.05474	0.00606	111.88	3.03
<i>KD41-47</i>	<i>271.02</i>	<i>84.93</i>	<i>42.923</i>	<i>1.1368</i>	<i>0.19334</i>	<i>0.00622</i>	<i>121.58</i>	<i>3.39</i>
KD41-48	692.11	366.85	54.304	0.77143	0.04978	0.00202	117.42	1.68
KD41-49	147.6	26.38	51.844	1.4723	0.05154	0.00334	122.69	3.49
KD41-50	149.11	56.2	54.4	1.3031	0.05626	0.00557	116.26	2.88
KD41-51	150.63	51.88	53.839	1.3824	0.05208	0.00449	118.09	3.08
KD41-52	144.36	32.12	49.255	1.3527	0.05497	0.003	128.54	3.53
KD41-53	118.73	28.6	56.255	1.3287	0.05975	0.00393	111.95	2.68
KD41-54	400.12	123.77	20.312	0.35732	0.0585	0.00304	307.55	5.41
KD41-55	321.86	197.22	38.421	0.84325	0.04703	0.00188	166.12	3.62
KD41-56	82.66	34.95	44.834	1.206	0.05664	0.00538	140.82	3.87
KD41-57	315.21	167.88	53.801	1.2155	0.05661	0.00228	117.5	2.65
KD41-58	156.35	30.64	53.174	1.196	0.05134	0.00694	119.67	2.86
KD41-59	581.52	249.88	38.663	0.71317	0.04978	0.0012	164.53	3.01
KD41-60	133.05	58.43	42.577	1.0441	0.05265	0.00298	148.98	3.65

Sample KD42: Upper Jackass Mountain

	Uncorrected Data				207-Corrected Data			
	U/ppm	Th/ppm	238U/206Pb	±238U/206Pb	207Pb/206Pb	±207Pb/206Pb	206Pb/238U Age	±206Pb/238U Age
KD42-1	88.71	19.77	56.351	1.2728	0.05092	0.00273	113.02	2.56
KD42-2	317.85	87.71	56.815	0.80181	0.05122	0.00159	112.06	1.58
KD42-3	94.28	24.98	57.805	1.3402	0.05547	0.00356	109.56	2.57
KD42-4	218.64	52.37	57.105	1.1711	0.04925	0.00242	111.78	2.3
KD42-5	131.21	36.46	56.484	1.1814	0.05089	0.00244	112.76	2.36
KD42-6	249.77	82.69	54.804	1.5072	0.04784	0.00191	116.65	3.19
KD42-7	132.42	41.42	53.674	1.258	0.04774	0.00243	119.1	2.79
KD42-8	180.07	56.33	56.499	1.2191	0.04787	0.00239	113.16	2.44
KD42-9	165.8	50.78	59.544	1.1754	0.05089	0.00265	107	2.13
KD42-10	76.36	17.53	56.851	1.9411	0.05406	0.00357	111.59	3.81
KD42-11	148.11	37.45	54.276	1.0118	0.04959	0.00253	117.52	2.2
KD42-12	254.19	70.43	56.007	1.1346	0.05213	0.00243	113.54	2.31
KD42-13	147.1	55.88	54.231	0.95933	0.05266	0.00314	117.16	2.11
KD42-14	190.84	55.79	57.945	0.98006	0.05	0.00203	110.06	1.87
KD42-15	74.93	23.72	59.418	2.027	0.05235	0.00364	107.03	3.66

KD42-16	153.9	44.47	60.3	1.4871	0.05243	0.00274	105.46	2.61
KD42-17	92.06	23.21	56.3	1.6421	0.04939	0.00298	113.34	3.31
KD42-18	367.98	128.77	56.474	0.81618	0.05172	0.00151	112.67	1.63
KD42-19	60.29	13.52	55.22	1.4166	0.05713	0.00456	114.42	2.98
KD42-20	100.73	36.33	56.717	1.5782	0.05238	0.00559	112.09	3.19
KD42-21	185.71	61.59	59.037	1.3631	0.05301	0.0026	107.63	2.49
KD42-22	76.8	18.49	56.277	2.6477	0.05429	0.00674	112.69	5.34
KD42-23	74.73	21.35	59.687	1.4818	0.05524	0.00365	106.16	2.66
KD42-24	68.02	19.72	56.232	2.7975	0.05321	0.00454	112.93	5.61
KD42-25	96.77	21.18	55.824	1.2721	0.05346	0.00537	113.72	2.68
KD42-26	254.28	42.41	58.133	1.1857	0.04894	0.00184	109.85	2.24
KD42-27	76.5	29.79	59.407	1.7718	0.05864	0.00716	106.2	3.29
KD42-28	39.84	12.59	47.117	1.4513	0.06568	0.00599	132.52	4.17
KD42-29	196.27	25.54	56.158	0.93698	0.05089	0.0035	113.42	1.94
KD42-30	119.14	25.47	52.542	1.3904	0.04678	0.00287	121.8	3.22
KD42-31	67.02	20.26	22.737	0.64201	0.05925	0.0034	274.94	7.69
KD42-32	425.2	58.65	51.41	0.98556	0.04935	0.00142	124.06	2.37
KD42-33	171.65	33.67	58.953	1.4303	0.05246	0.00255	107.85	2.62
KD42-34	156.57	40.05	56.781	1.2561	0.04746	0.00246	112.66	2.5
KD42-35	84.45	18.67	57.247	1.3448	0.04967	0.00543	111.44	2.7
KD42-36	290.52	78.49	54.578	1.0398	0.0485	0.00167	117.03	2.22
KD42-37	432.21	88.74	53.854	0.87405	0.04892	0.00131	118.53	1.92
KD42-38	62.1	28.21	21.127	0.81512	0.05218	0.00258	298.18	11.29
KD42-39	80.94	29.38	50.664	1.656	0.04873	0.00435	125.98	4.14
KD42-40	151.91	38.5	53.015	1.8348	0.05525	0.00282	119.44	4.12
KD42-41	78.48	18.51	55.018	1.7516	0.04559	0.00731	116.52	3.83
KD42-42	68.29	18.87	42.529	1.4216	0.05094	0.00299	149.48	4.97
KD42-43	643.13	214.93	56.27	1.3714	0.05042	0.00119	113.26	2.74
<i>KD42-44</i>	<i>137.98</i>	<i>37.61</i>	<i>52.386</i>	<i>1.721</i>	<i>0.14096</i>	<i>0.01105</i>	<i>107.74</i>	<i>3.9</i>
KD42-45	89.83	30.13	52.094	1.3697	0.05506	0.00409	121.57	3.23
KD42-46	1226.7	428.87	68.51	1.2531	0.06839	0.00143	91.01	1.66
KD42-47	91.98	22.8	55.787	2.0361	0.05398	0.00316	113.72	4.14
KD42-48	239.53	70.14	55.871	1.0025	0.04845	0.00186	114.34	2.05
KD42-49	167.9	42.38	51.766	1.1927	0.04937	0.0024	123.21	2.84
KD42-50	21.65	3.16	21.612	0.96167	0.06102	0.00572	288.42	12.73
KD42-51	57.6	17.72	21.5	0.41144	0.0526	0.0024	292.94	5.55
KD42-52	171.22	61.72	52.024	0.86543	0.05646	0.00372	121.51	2.08
KD42-53	150.2	44.67	54.088	1.2508	0.0484	0.0021	118.1	2.72
KD42-54	146.61	34.45	54.94	0.96893	0.04884	0.0042	116.21	2.12
KD42-55	80.35	19.46	39.734	0.97556	0.05127	0.00444	159.84	3.98
KD42-56	130.41	74.56	38.048	0.75352	0.04857	0.00192	167.42	3.3
KD42-57	293.75	121.78	54.858	2.3202	0.04614	0.00181	116.78	4.9
KD42-58	178.63	50.93	51.924	0.98443	0.05057	0.00322	122.66	2.36
KD42-59	121.37	32.75	55.019	1.3397	0.04933	0.0031	115.98	2.84
KD42-60	87.36	18.58	54.286	1.181	0.05333	0.00301	116.94	2.56

Sample KD9: Lower Sandy Butte Winthrop

	Uncorrected Data					207-Corrected Data		
	U/ppm	Th/ppm	238U/206Pb	±238U/206Pb	207Pb/206Pb	±207Pb/206Pb	206Pb/238U Age	±206Pb/238U Age
KD9-1.1	604.05	39.95	57.245	0.68087	0.0512	0.00101	111.23	1.32
KD9-2.1	237.69	111.16	50.102	0.77093	0.05167	0.00149	126.91	1.95
KD9-3.1	38.15	16.96	54.575	1.5525	0.07361	0.00476	113.35	3.27
KD9-4.1	103.27	43.3	52.863	1.4199	0.09548	0.00522	113.68	3.13
KD9-5.1	141.7	35.27	51.557	0.81572	0.05496	0.00392	122.84	2.02
KD9-6.1	60.51	13.42	56.37	1.8668	0.06297	0.00436	111.27	3.71
KD9-7.1	49.5	21.44	60.641	1.8374	0.06312	0.00558	103.45	3.2
KD9-8.1	118.37	36.82	58.378	1.684	0.05522	0.00488	108.53	3.18
KD9-9.1	129.31	49.21	40.465	0.6407	0.05389	0.00437	156.46	2.59
KD9-10.1	36.35	14.46	45.176	1.7615	0.06448	0.01939	138.39	6.34

KD9-11.1	84.46	12.99	30.108	0.62018	0.06314	0.00331	207.29	4.29
KD9-12.1	65.09	17.03	56.245	1.5027	0.06115	0.00972	111.78	3.27
KD9-13.1	70.07	23.12	28.302	0.62844	0.05462	0.0022	222.75	4.9
KD9-14.1	40.34	13.41	40.421	1.1542	0.07014	0.00549	153.43	4.46
KD9-15.1	214.99	37.94	54.628	1.8068	0.05329	0.00182	116.22	3.82
KD9-16.1	18.05	5.8	41.632	1.464	0.09774	0.00823	143.71	5.24
KD9-17.1	213.93	39.2	51.32	0.83124	0.05609	0.00272	123.23	2.02
KD9-18.1	374.42	225.82	37.469	0.70988	0.05658	0.00261	168.29	3.2
KD9-19.1	36.39	15.49	52.478	1.2765	0.08927	0.0053	115.46	2.9
KD9-20.1	140.11	42.27	38.026	0.67051	0.0548	0.00291	166.22	2.96
KD9-21.1	186.11	108.21	38.429	0.49515	0.0534	0.00151	164.78	2.12
KD9-22.1	31.96	10.18	40.399	1.7152	0.07309	0.01668	152.93	7.21
KD9-23.1	45.36	17.27	57.526	2.059	0.0822	0.00693	106.36	3.9
KD9-24.1	112.82	68.93	37.784	0.58829	0.06194	0.0021	165.78	2.59
KD9-25.1	216.24	49.81	26.937	0.41331	0.05412	0.0014	234.05	3.55
KD9-26.1	205.59	108.06	46.41	0.6332	0.0546	0.00172	136.43	1.87
KD9-27.1	123.23	89.07	42.702	0.80394	0.05948	0.00253	147.28	2.78
KD9-28.1	130.26	37.91	53.607	1.1402	0.05781	0.00361	117.74	2.54
KD9-29.1	727.37	395.81	44.514	0.57981	0.05114	0.00114	142.82	1.85
KD9-30.1	45.9	9.74	29.63	0.62105	0.06768	0.00617	209.4	4.62
KD9-31.1	476.66	45.43	54.904	0.69467	0.05161	0.00147	115.88	1.47
KD9-32.1	418	39.17	54.88	0.66574	0.0545	0.00204	115.51	1.42
KD9-33.1	54.38	26.62	57.96	1.2447	0.06654	0.00532	107.74	2.41
KD9-34.1	51.18	26.23	56.743	1.2362	0.07609	0.00803	108.69	2.61
KD9-35.1	132.82	64.57	30.379	0.43026	0.0567	0.00189	207.14	2.93
KD9-36.1	29.54	9.05	54.089	1.9246	0.1036	0.00839	109.91	4.07
KD9-37.1	29.34	12.25	37.208	1.2788	0.08109	0.00661	164.23	5.75
KD9-38.1	120.43	52.62	35.63	0.5766	0.08739	0.00308	170.05	2.8
KD9-39.1	56.61	34.28	41.403	0.91107	0.07102	0.00645	149.65	3.48
KD9-40.1	74.51	24.1	40.202	0.99806	0.06402	0.0055	155.47	3.97
KD9-41.1	197.03	34.22	53.817	0.96885	0.05683	0.0037	117.44	2.17
KD9-42.1	34.27	8.95	29.382	1.0916	0.07841	0.00446	208.28	7.71
KD9-43.1	86.02	22.02	39.225	0.76995	0.06379	0.00304	159.36	3.15
KD9-44.1	61.85	14.14	53.845	1.0892	0.07949	0.00411	114	2.37
KD9-45.1	244.53	93.58	38.624	0.49564	0.05382	0.00172	163.87	2.11
KD9-46.1	456.07	163.34	52.709	0.62541	0.05159	0.00141	120.68	1.43
KD9-47.1	30.34	9.15	37.481	1.3744	0.08543	0.00566	162.13	5.99
KD9-48.1	63.65	23.51	37.34	0.97662	0.06478	0.00363	167.13	4.38
KD9-49.1	280.37	62.99	54.998	0.73257	0.05252	0.00167	115.55	1.54
KD9-50.1	153.53	110.63	38.053	0.5379	0.05405	0.00178	166.26	2.35
KD9-51.1	151.58	34.47	55.841	0.83871	0.05463	0.00304	113.52	1.75
KD9-52.1	144.67	24.4	38.714	0.55502	0.05454	0.00192	163.34	2.35
KD9-53.1	63.05	21.42	52.887	1.0032	0.07327	0.00418	117	2.29
KD9-54.1	99.41	38.18	53.699	1.3189	0.06589	0.00545	116.34	2.95
KD9-55.1	42	9.81	52.259	1.4552	0.09462	0.01197	115.12	3.67
KD9-56.1	101.64	52.68	41.604	0.66011	0.06697	0.00397	149.7	2.47
KD9-57.1	54.83	19.93	41.655	1.1453	0.08362	0.00515	146.34	4.1
KD9-58.1	113.97	42.37	39.095	0.60082	0.06296	0.00335	160.06	2.52
KD9-59.1	41.82	14.92	42.969	1.008	0.09651	0.01011	139.5	3.74
KD9-60.1	42.05	13.32	27.361	0.74354	0.06485	0.00549	227.39	6.27

Sample KD10: Middle Sandy Butte Winthrop

	Uncorrected Data					207-Corrected Data		
	U/ppm	Th/ppm	238U/206Pb	±238U/206Pb	207Pb/206Pb	±207Pb/206Pb	206Pb/238U Age	±206Pb/238U Age
KD10-1	105.62	27.99	34.756	1.235	0.04951	0.00307	178.93	5.52
10-2	197.01	96.95	38.446	0.93195	0.05096	0.00159	161.61	2.73
10-3	113.53	64.18	42.197	1.577	0.05337	0.00423	146.9	4.87
10-4	67.15	16.53	36.032	1.8891	0.04761	0.00357	173.06	8.49
10-5	30.14	13.8	50.628	4.9415	0.04217	0.00937	124.32	11.93

10-6	198.53	92.22	36.401	0.89386	0.04865	0.00258	171.1	2.99
10-7	97.14	39.94	28.417	0.69797	0.05243	0.00172	217.62	3.76
10-8	97.98	52.48	34.798	0.86301	0.04793	0.00372	179.07	3.24
10-9	37.49	17.49	34.186	1.0046	0.05093	0.00404	181.57	4.35
10-10	105.18	80.55	34.816	0.91568	0.05059	0.00227	178.39	3.52
KD10-11	198.55	64.57	42.95	1.2169	0.05109	0.00165	144.76	3.22
10-12	105.42	45.93	40.015	1.2036	0.05132	0.00593	155.25	3.94
10-13	168.01	71.5	38.756	0.9213	0.05871	0.00161	158.77	2.57
10-14	176.98	134.68	34.694	0.97881	0.05032	0.00137	179.07	3.95
10-15	374.1	75.25	33.404	0.75555	0.05026	0.00107	185.93	2.68
10-16	74.74	31.38	32.704	1.0352	0.05127	0.00197	189.64	4.97
10-17	224.57	137.32	36.964	0.96656	0.05381	0.0015	167.43	3.25
10-18	296.06	166.01	43.32	1.1476	0.07743	0.00504	138.79	2.9
10-19	110.35	66.62	37.054	1.1032	0.05381	0.00212	167.03	4.02
10-20	59.69	13.4	34.336	1.0921	0.05543	0.00471	179.77	4.85
KD10-21	106.39	46.42	34.122	1.0181	0.04849	0.00189	182.46	4.39
10-22	187.12	102.56	34.055	0.92512	0.05169	0.00206	182.09	3.79
10-23	45.34	29.07	66.28	3.1328	0.04865	0.00541	94.34	4.17
10-24	138.46	63.38	38.949	1.3281	0.05195	0.00231	159.34	4.65
10-25	161.71	91.95	45.143	1.2879	0.05547	0.00321	137.02	3.12
10-26	24.13	10.63	30.642	1.0259	0.10836	0.00895	187.88	5.76
10-27	102.81	37.68	37.917	1.155	0.04988	0.00184	164.07	4.08
10-28	38.32	31.97	56.327	2.4888	0.05412	0.00499	110.16	4.49
10-29	55.5	16.09	35.638	0.96173	0.05221	0.00281	173.96	3.6
10-30	75.71	22.63	33.128	1.1396	0.05133	0.00313	187.22	5.53
KD10-31	84.01	50.08	39.703	1.3914	0.05867	0.00334	155.02	4.71
10-32	85.23	10.8	47.213	1.1743	0.04931	0.00203	132.07	2.36
10-33	96.67	24.7	42.099	1.3531	0.04716	0.00282	148.39	4.01
10-34	119.86	80.17	46.348	1.934	0.0497	0.00644	134.46	5.17
10-35	64.74	46.55	62.148	2.0506	0.04625	0.00502	100.88	2.88
10-36	32.52	14.25	39.573	1.3133	0.04634	0.00562	157.95	4.55
10-37	136.22	99.82	32.653	0.74286	0.04957	0.00293	190.33	2.85
10-38	46.3	32.84	50.753	1.4046	0.05395	0.00321	122.2	2.66
10-39	127.54	47.39	43.293	1.1719	0.05186	0.00339	143.48	3.01
10-40	146.84	55.43	47.485	2.2222	0.04916	0.00445	131.35	5.7
KD10-41	66.34	17.52	32.846	1.3439	0.05007	0.00241	189.11	6.94
10-42	58.8	19.37	52.841	3.3198	0.05961	0.00667	116.56	7.05
10-43	101.03	55.61	41.685	1.5097	0.05279	0.00308	148.81	4.72
10-44	237.89	149.69	36.589	1.0183	0.05024	0.00121	169.89	3.66
10-45	117.05	27.67	32.417	0.87286	0.05104	0.00206	191.36	3.92
10-46	344.57	354.68	35.882	1.1865	0.05095	0.00189	173.06	4.83
10-47	169.78	106.74	32.673	0.95154	0.0507	0.00163	189.95	4.4
10-48	118.47	89.5	30.909	1.0098	0.08967	0.00496	190.95	5.36
10-49	151.39	64.87	39.381	1.4944	0.05292	0.00267	157.42	5.28
10-50	100.38	61.13	42.495	1.7976	0.05275	0.00296	146	5.6
KD10-51	117.52	26.33	43.865	1.0724	0.04925	0.00249	142.09	2.46
10-52	47.55	35.32	31.527	1.1682	0.05158	0.00284	196.57	6.38
10-53	289.17	123.99	43.45	1.055	0.05028	0.00135	143.25	2.42
10-54	252.2	91.05	39.537	0.91016	0.05742	0.00134	155.91	2.35
10-55	135.16	51.6	41.662	1.1511	0.06394	0.00282	146.8	3.17
10-56	319.56	108.55	35.473	0.90204	0.05017	0.00106	175.21	3.23
10-57	77.58	34.18	33.937	0.95303	0.0529	0.00189	182.44	4
10-58	125.76	142.74	61.991	1.8416	0.04841	0.0032	100.87	2.45
10-59	122.39	61.44	35.345	1.2435	0.05114	0.00181	175.62	5.32
10-60	142.47	94.95	33.654	0.81995	0.04915	0.00138	184.82	3.14

Sample KD11: Upper (Lower) Sandy Butte Winthrop

		Uncorrected Data				207-Corrected Data	
U/ppm	Th/ppm	238U/206Pb	±238U/206Pb	207Pb/206Pb	±207Pb/206Pb	206Pb/238U Age	±206Pb/238U Age

KD11-1.1	197.04	174.2	35.543	0.94288	0.04693	0.00204	179.48	4.72
KD11-2.1	336.03	43.64	51.033	0.9646	0.04886	0.00213	125.05	2.36
KD11-3.1	233.47	13.49	41.138	1.5025	0.04747	0.00373	155.16	5.65
KD11-4.1	338.19	245.76	37.191	0.73078	0.0513	0.0044	170.66	3.44
KD11-5.1	711.62	556.65	35.042	0.79549	0.04901	0.00141	181.55	4.08
KD11-6.1	278.49	149.06	36.966	1.3422	0.05317	0.0045	171.3	6.22
KD11-7.1	1088.2	596.07	40.748	0.57191	0.04806	0.00093	156.52	2.18
KD11-9.1	263.41	90.25	37.372	0.71409	0.05239	0.00293	169.61	3.26
KD11-10.1	394.95	143.68	35.623	0.55439	0.05202	0.0022	177.95	2.78
KD11-11.1	489.17	282.87	31.098	2.8632	0.04537	0.00409	205.26	18.66
KD11-12.1	116.9	48.11	39.807	1.4753	0.05384	0.00561	159.03	5.93
KD11-13.1	1170.3	863.86	37.596	0.48079	0.04786	0.00172	169.57	2.17
KD11-14.1	181.57	84.57	37.973	1.0261	0.05154	0.00318	167.13	4.51
KD11-15.1	388.47	195.3	36.461	0.99957	0.04856	0.002	174.65	4.75
KD11-16.1	313.09	162.08	34.474	1.1408	0.04929	0.00731	184.45	6.25
KD11-17.1	94.43	41.7	37.891	0.98965	0.04764	0.00359	168.3	4.4
KD11-18.1	693.81	435.47	36.628	0.54724	0.04961	0.00165	173.63	2.58
KD11-19.1	441.63	276.68	35.659	0.63705	0.0473	0.0018	178.82	3.18
KD11-20.1	684.53	432.04	41.854	0.78844	0.05083	0.00268	151.89	2.87
KD11-21.1	68.56	43.57	37.762	1.0944	0.04643	0.00461	169.13	4.93
KD11-22.1	260.45	139.74	36.407	1.0592	0.05482	0.00311	173.54	5.03
KD11-23.1	52.81	19.56	17.619	0.60863	0.44618	0.01901	181.18	10.51
KD11-24.1	178.59	138.95	39.137	0.84888	0.0482	0.00259	162.88	3.53
KD11-25.1	193.81	90.31	39.047	0.7513	0.0458	0.00277	163.74	3.16
KD11-26.1	252.69	132.94	39.147	0.73858	0.05084	0.00232	162.3	3.06
KD11-27.1	288.26	164.25	40.723	1.0446	0.04924	0.00225	156.38	3.99
KD11-28.1	430.13	266.7	35.938	0.68269	0.05047	0.00222	176.75	3.35
KD11-29.1	81.14	36.59	35.758	1.3937	0.03905	0.00576	180.16	7.04
KD11-30.1	62.8	20.63	35.818	1.1311	0.0472	0.00701	178.06	5.76
KD11-31.1	1166.2	1271.4	37.392	0.6117	0.05007	0.00205	170.02	2.78
KD11-32.1	179.34	173.01	41.776	0.94494	0.04977	0.003	152.37	3.45
KD11-33.1	285.82	297.85	41.028	0.77243	0.04891	0.00208	155.29	2.92
KD11-34.1	121.36	54.94	40.058	1.37	0.04449	0.00336	159.9	5.44
KD11-35.1	434.22	251.35	37.475	1.0261	0.05312	0.00202	169	4.59
KD11-36.1	382.27	220.37	36.868	0.6869	0.05073	0.0026	172.27	3.22
KD11-37.1	153.5	68.77	36.656	0.92952	0.05049	0.00553	173.31	4.5
KD11-38.1	166.18	85.27	40.53	1.0068	0.04665	0.00364	157.63	3.93
KD11-39.1	918.09	443.56	40.159	0.59596	0.05368	0.00208	157.68	2.35
KD11-40.1	442.31	364.15	38.808	0.82095	0.04936	0.00364	164.01	3.51
KD11-41.1	376.41	95.19	55.972	0.99535	0.05221	0.00363	113.6	2.07
KD11-42.1	427.65	156.8	41.016	0.95771	0.05145	0.00236	154.85	3.6
KD11-43.1	566.26	107.39	56.557	1.0007	0.0539	0.00181	112.19	1.98
KD11-44.1	314.59	116.82	39.347	0.6656	0.05017	0.00237	161.62	2.74
KD11-45.1	758.88	453.07	42.153	0.78668	0.04923	0.00246	151.12	2.83
KD11-46.1	112	46.77	41.81	1.2442	0.05225	0.00431	151.78	4.54
KD11-47.1	479.97	201.98	41.874	0.69174	0.05281	0.00248	151.44	2.52
KD11-48.1	221.03	111.55	37.838	0.89614	0.04649	0.0033	168.78	4.01
KD11-49.1	973.87	454.48	44.577	0.61654	0.04823	0.00194	143.14	1.99
KD11-50.1	503.83	370.1	39.35	0.5821	0.0491	0.00271	161.82	2.43
KD11-51.1	238.36	133.75	42.167	0.9107	0.04846	0.00396	151.22	3.31
KD11-52.1	211.9	98.76	38.307	0.82222	0.04902	0.00641	166.21	3.76
KD11-53.1	99.86	60.88	39.238	1.7548	0.05151	0.0073	161.79	7.3
KD11-54.1	1221.6	574.64	42.894	0.72815	0.04982	0.00309	148.42	2.56
KD11-55.1	160.81	72.31	40.585	1.0789	0.05088	0.00352	156.59	4.17
KD11-56.1	274.89	146.2	41.395	0.99647	0.04733	0.00246	154.23	3.7
KD11-57.1	87.75	29.55	44.147	1.3463	0.05367	0.00546	143.54	4.44
KD11-58.1	316.91	184.88	38.803	0.88605	0.04988	0.00459	163.93	3.81
KD11-59.1	330.84	172.22	39.517	0.78052	0.0547	0.00265	160.02	3.17

KD11-60.1	100.75	41.42	33.638	0.93087	0.0549	0.00526	187.67	5.27
Sample KD13: Upper (Middle) Sandy Butte Winthrop								
	Uncorrected Data						207-Corrected Data	
	U/ppm	Th/ppm	238U/206Pb	±238U/206Pb	207Pb/206Pb	±207Pb/206Pb	206Pb/238U Age	±206Pb/238U Age
KD13-1	235.19	43.41	56.644	1.9934	0.05062	0.00282	111.58	3.41
13-2	642.44	342.35	32.719	0.76409	0.05063	0.00112	192.38	2.98
13-3	211.85	54.48	31.327	0.93489	0.05003	0.00217	200.99	4.84
13-4	128.11	75.39	39.199	1.024	0.05117	0.00207	160.73	3.13
13-5	145.75	102.79	42.9	1.4326	0.05358	0.0032	146.52	4.18
13-6	42.34	18.98	39.398	1.6983	0.07748	0.00504	154.65	6.12
13-7	270.93	137.34	40.104	1.1502	0.04783	0.00238	157.78	3.59
13-8	231.87	253.19	37.578	1.0067	0.04881	0.00156	168.09	3.41
13-9	130.75	45.19	36.874	0.97667	0.05767	0.00211	169.39	3.38
13-10	136.06	60.84	34.07	1.0376	0.05435	0.00264	183.97	4.59
KD13-11	373.78	188.89	33.542	0.8376	0.04985	0.00115	187.88	3.34
13-12	193.37	69.84	36.881	1.0826	0.04831	0.00351	171.35	4.08
13-13	159.83	105.29	42.201	1.2804	0.0494	0.00302	149.71	3.73
13-14	64.83	31.19	39.118	1.4307	0.05371	0.00497	160.55	5.21
13-15	560.24	176.82	43.502	0.98819	0.05064	0.00208	145.04	2.14
13-16	171.02	101.27	37.057	0.98463	0.04867	0.0016	170.47	3.41
13-17	292.92	104.47	38.707	1.1295	0.05171	0.00208	162.64	3.8
13-18	275.57	166.65	29.905	0.81253	0.0503	0.00253	210.37	4.38
13-19	101.42	48.37	38.762	1.1509	0.09061	0.00631	154.5	3.9
13-20	120.34	30.22	34.069	0.86572	0.11936	0.00564	168.97	3.36
KD13-21	57.43	18.54	48.321	1.9974	0.05869	0.00331	129.35	4.84
13-22	302.71	213.33	42.595	1.1301	0.05035	0.00154	148.16	2.96
13-23	57.26	47.51	42.314	1.5157	0.05348	0.00478	148.55	4.69
13-24	148.27	61.5	15.552	0.48192	0.47831	0.01372	187.34	8.36
13-25	276.96	83.02	36.213	1.0237	0.04919	0.00255	174.29	3.88
13-26	121.59	60.36	34.606	2.613	0.11234	0.00351	167.96	12.22
13-27	243.79	109.1	41.147	3.1154	0.05756	0.0033	151.95	11.1
13-28	516.63	313.06	33.238	0.75611	0.05166	0.00089	189.16	2.76
13-29	51.23	7.56	51.731	2.6223	0.04902	0.00346	122.36	5.8
13-30	88.5	48.13	34.571	1.0967	0.05006	0.00285	182.3	4.82
KD13-31	165.34	63.88	37.307	1.0515	0.05055	0.00246	168.94	3.74
13-32	245.52	113.74	33.753	0.85159	0.05143	0.0013	186.36	3.38
13-33	336.79	112.64	37.468	0.89265	0.05063	0.00167	168.2	2.74
13-34	249.56	112.62	31.043	0.73921	0.05339	0.0012	201.97	3.26
13-35	154.62	150.27	55.376	1.3699	0.05072	0.00436	114.11	2.09
13-36	144.29	56.45	36.858	1.1298	0.05478	0.00246	170.07	4.28
13-37	155.23	59.81	31.925	0.74994	0.05117	0.00179	196.98	3.11
13-38	136.91	80.12	46.911	1.4716	0.05278	0.00531	134.21	3.59
13-39	255.12	118.66	41.319	1.2331	0.04776	0.00189	153.19	3.7
13-40	454.61	29.65	39.954	0.97079	0.05571	0.00107	156.82	2.65
KD13-41	255.28	231.9	36.067	1.013	0.04973	0.00168	174.88	3.83
13-42	100.13	72.19	39.26	1.3621	0.05418	0.00525	159.87	4.86
13-43	1407.3	561.34	35.048	0.78824	0.05028	0.001	179.79	2.55
13-44	105.56	48.16	36.541	0.92908	0.05532	0.00206	171.42	3.18
13-45	173.31	98.5	32.704	0.81739	0.05164	0.00173	192.22	3.44
13-46	64.79	23.7	34.721	0.96663	0.05533	0.00372	180.33	3.97
13-47	59.73	20.61	43.419	1.4676	0.05956	0.00541	143.69	4.24
13-48	155.69	84.85	37.228	1.0045	0.04759	0.00247	169.92	3.51
13-49	36.14	14.21	40.019	1.9587	0.05535	0.00465	156.64	7.15
13-50	117.12	66.76	42.44	1.3227	0.04544	0.00274	149.61	3.87
KD13-51	202.33	95.81	42.038	1.2787	0.04878	0.00366	150.4	3.78
13-52	163.31	24.47	57.119	1.5983	0.06232	0.00219	109.03	2.4
13-53	61.52	41.48	58.255	1.772	0.05078	0.00474	108.49	2.77
13-54	218.87	86.78	35.37	0.88762	0.05035	0.00134	178.15	3.21

13-55	93.42	56	34.213	1.1512	0.05166	0.00313	183.82	5.28
13-56	637.58	141.97	42.53	0.9739	0.0512	0.00112	148.23	2.21
13-57	36.82	20.71	47.546	2.1728	0.04047	0.0052	134.48	5.7
13-58	90.46	43.72	34.369	0.99729	0.08859	0.00492	174.55	4.16
13-59	381.83	141.02	33.077	0.75285	0.05518	0.00159	189.24	2.78
13-60	46.94	12.02	46.384	1.6733	0.05152	0.00317	135.94	4.29
KD13-61	129.92	40.1	35.56	1.2066	0.07466	0.00208	171.83	4.97

Sample KD17: Upper (Upper) Sandy Butte Winthrop

	Uncorrected Data				207-Corrected Data			
	U/ppm	Th/ppm	238U/206Pb	±238U/206Pb	207Pb/206Pb	±207Pb/206Pb	206Pb/238U Age	±206Pb/238U Age
KD17-1.1	272.61	162.29	38.097	2.3772	0.06782	0.00517	163.2	10.12
KD17-2.1	325.06	103.43	36.348	1.1856	0.04792	0.00501	175.33	5.75
KD17-3.1	228.43	40.52	58.386	3.1875	0.04812	0.00456	109.49	5.96
KD17-4.1	452.66	184.08	37.593	1.3515	0.04958	0.0024	169.22	6.03
KD17-5.1	242.23	105.13	33.686	1.2131	0.04303	0.00559	190.19	6.88
KD17-6.1	557.56	435.13	41.139	1.5242	0.04209	0.00417	156.19	5.78
KD17-7.1	112.27	59.95	36.776	2.2372	0.05862	0.0053	171	10.34
KD17-8.1	267.39	148.6	39.723	2.0092	0.04985	0.00263	160.17	8.02
KD17-9.1	1373.7	1247.6	44.041	1.0778	0.04537	0.00163	145.39	3.53
KD17-10.1	3567.4	2244.6	41.203	0.69763	0.04749	0.00108	154.91	2.6
KD17-11.1	207.94	96.97	36.955	1.332	0.05375	0.00507	171.22	6.19
KD17-12.1	570.77	310.86	37.828	1.1548	0.04155	0.00345	169.86	5.17
KD17-13.1	200.9	99.21	36.748	1.2905	0.05075	0.00286	172.83	6.02
KD17-14.1	594.19	520.3	38.159	0.63407	0.04624	0.00273	167.42	2.8
KD17-15.1	3938.8	1824	39.92	0.94059	0.0528	0.00116	158.8	3.7
KD17-16.1	322.01	184.15	38.705	1.3371	0.04201	0.00411	165.95	5.72
KD17-17.1	304.65	189.11	42.404	2.0389	0.04817	0.00317	150.43	7.18
KD17-18.1	867.08	887.2	43.438	1.6666	0.04743	0.00242	147.01	5.6
KD17-19.1	186.25	90.38	37.757	1.5673	0.05318	0.00285	167.74	6.9
KD17-20.1	63.85	45.51	35.934	1.7456	0.03028	0.00368	181.21	8.72
KD17-21.1	126.17	70.17	34.746	1.126	0.05064	0.00713	182.71	6.06
KD17-22.1	187.22	96.07	43.299	1.4909	0.04805	0.00294	147.37	5.05
KD17-23.1	74.55	34.1	38.042	1.8511	0.03972	0.01079	169.3	8.44
KD17-24.1	359.7	260.74	38.511	0.66178	0.04707	0.00278	165.74	2.87
KD17-25.1	97.41	40.2	39.264	0.95909	0.04918	0.00412	162.16	4
KD17-26.1	439.53	134.95	42.696	1.0077	0.05034	0.00201	149	3.5
KD17-27.1	296.08	143.66	41.454	0.74267	0.04523	0.00351	154.41	2.82
KD17-28.1	135.44	74.68	40.084	1.5381	0.04335	0.00477	160.02	6.14
KD17-29.1	359.5	49.23	40.963	0.93174	0.05494	0.00396	154.37	3.55
KD17-30.1	105.53	26	48.905	2.429	0.04846	0.01108	130.52	6.67
KD17-31.1	202.37	94.76	37.04	0.77826	0.048	0.00335	172.06	3.64
KD17-32.1	633.55	167.24	38.612	0.90268	0.05111	0.00353	164.48	3.87
KD17-33.1	302.15	197.67	39.059	0.69134	0.05265	0.0028	162.3	2.89
KD17-34.1	147.14	72.25	39.25	1.426	0.05067	0.01797	161.91	6.85
KD17-35.1	188.5	109.95	38.426	0.85787	0.04471	0.0028	166.59	3.72
KD17-36.1	102.39	47.06	32.282	1.0467	0.05172	0.00469	196.26	6.37
KD17-37.1	445.49	177.62	39.306	0.89978	0.05184	0.00975	161.45	4.14
KD17-38.1	403.17	231.15	36.58	0.79675	0.05314	0.00962	173.09	4.26
KD17-39.1	243.73	85.78	39.9	1.2986	0.05279	0.00311	158.87	5.15
KD17-40.1	206.73	91.85	36.955	0.80988	0.04717	0.00421	172.63	3.84
KD17-41.1	173.06	74.02	36.219	1.0481	0.05618	0.005	174.14	5.09
KD17-42.1	362.01	190.42	36.988	1.0889	0.04892	0.00331	172.11	5.05
KD17-43.1	257.59	296.78	39.683	1.2225	0.05226	0.00293	159.84	4.9
KD17-44.1	123.34	56.35	38.089	1.2362	0.05706	0.00461	165.48	5.39
KD17-45.1	311.5	131.11	36.989	0.79678	0.05304	0.00243	171.22	3.68
KD17-46.1	136.42	64.87	39.109	1.1995	0.04822	0.00475	162.99	5.03
KD17-47.1	348.4	145.91	40.362	0.93801	0.05169	0.00228	157.29	3.64
KD17-48.1	231.65	66.64	37.809	1.4817	0.0497	0.00371	168.24	6.56

KD17-49.1	315.77	206.37	36.753	0.86202	0.04999	0.00411	172.97	4.1
KD17-50.1	353.4	191.85	36.549	0.91809	0.05131	0.00239	173.64	4.34
KD17-51.1	329.29	203.25	40.191	1.2766	0.05085	0.00599	158.12	5.1
KD17-52.1	2737.6	1346.6	43.62	0.52841	0.05202	0.00132	145.56	1.76
KD17-53.1	356.74	151.73	39.55	0.84802	0.0496	0.00464	160.91	3.53
KD17-54.1	482.93	454.89	40.571	0.8023	0.05044	0.0021	156.73	3.09
KD17-55.1	153.01	79.02	36.892	1.545	0.04765	0.0037	172.82	7.19
KD17-56.1	218.97	96.23	39.86	1.3044	0.05429	0.00395	158.74	5.19
KD17-57.1	110.57	48.06	32.367	1.4528	0.05021	0.00443	196.12	8.74
KD17-58.1	78.45	34.98	36.887	1.4701	0.04959	0.01057	172.43	7.15
KD17-59.1	171.22	96.38	39.907	1.3786	0.05293	0.00387	158.82	5.48
KD17-60.1	240.2	167.17	40.829	1.3286	0.05304	0.00678	155.24	5.16

Sample KD43: Lower Manning Park Winthrop

	Uncorrected Data					207-Corrected Data		
	U/ppm	Th/ppm	²³⁸ U/ ²⁰⁶ Pb	\pm ²³⁸ U/ ²⁰⁶ Pb	²⁰⁷ Pb/ ²⁰⁶ Pb	\pm ²⁰⁷ Pb/ ²⁰⁶ Pb	²⁰⁶ Pb/ ²³⁸ U Age	\pm ²⁰⁶ Pb/ ²³⁸ U Age
KD43-1.1	231.63	178.18	39.948	1.1172	0.04496	0.00297	160.24	4.47
KD43-2.1	676.74	157.46	40.732	0.91123	0.04903	0.00169	156.39	3.47
KD43-3.1	149.05	38.41	53.618	1.6634	0.04805	0.00375	119.18	3.71
KD43-4.1	89.33	42.26	39.784	1.3914	0.04381	0.00728	161.13	5.75
KD43-5.1	217.76	96.62	39.304	1.7302	0.04723	0.00476	162.39	7.13
KD43-6.1	110.01	48.56	42.386	2.4043	0.05307	0.00449	149.57	8.43
KD43-7.1	250.77	129.97	13.583	0.3388	0.07815	0.00192	445.75	10.8
KD43-8.1	150.5	71.21	38.947	1.2415	0.04056	0.00263	165.22	5.23
<i>KD43-9.1</i>	<i>186.84</i>	<i>83.43</i>	<i>40.87</i>	<i>2.2557</i>	<i>0.10657</i>	<i>0.00522</i>	<i>144.65</i>	<i>7.96</i>
KD43-10.1	124.65	68.71	39.369	1.731	0.04644	0.00343	162.28	7.08
KD43-11.1	753.38	330.4	40.19	1.4557	0.04823	0.00276	158.64	5.7
KD43-12.1	156.06	67.16	37.896	1.3491	0.05599	0.00678	166.54	6.02
KD43-13.1	288.44	170.85	39.89	1.157	0.04607	0.00453	160.25	4.68
KD43-14.1	285.07	184.86	40.825	1.1902	0.05034	0.00252	155.78	4.52
KD43-15.1	154.39	62.99	41.393	1.5686	0.05092	0.00421	153.55	5.81
KD43-16.1	167.85	70	40.981	1.0691	0.05164	0.00311	154.94	4.04
KD43-17.1	556.15	535.32	38.984	1.0598	0.04998	0.00285	163.15	4.42
KD43-18.1	121.22	56.17	38.719	1.5439	0.05494	0.00918	163.24	6.7
KD43-19.1	179.49	93.44	38.288	1.1915	0.05149	0.00591	165.78	5.24
KD43-20.1	190.65	120.77	41.581	2.786	0.05026	0.00355	152.98	10.16
KD43-21.1	407.62	257.5	40.985	1.2051	0.05132	0.002	154.99	4.52
KD43-22.1	221.79	101.25	37.781	1.2282	0.04324	0.00402	169.71	5.51
KD43-23.1	224.55	170.52	40.259	1.0188	0.08623	0.0036	150.86	3.84
KD43-24.1	95.01	41.7	39.33	1.4851	0.04909	0.00698	161.91	6.2
KD43-25.1	501.99	144.61	40.715	2.6207	0.05145	0.00271	155.98	9.94
KD43-26.1	667.95	328.42	40.542	1.778	0.0481	0.00214	157.3	6.83
KD43-27.1	249.19	179.85	39.444	2.6481	0.05406	0.00629	160.44	10.72
KD43-28.1	168.54	90.75	39.205	1.8021	0.04689	0.00565	162.86	7.48
KD43-29.1	557.98	180.24	41.359	1.1928	0.05061	0.00247	153.73	4.41
KD43-30.1	178.93	103.65	36.21	1.2201	0.09059	0.00669	166.64	5.73
KD43-31.1	949.29	356.91	40.999	0.88514	0.05078	0.0012	155.04	3.32
KD43-32.1	136.86	47.19	38.488	1.4416	0.04725	0.00321	165.8	6.17
KD43-33.1	927.59	44.4	38.529	0.79949	0.04609	0.00195	165.86	3.42
KD43-34.1	298.17	134.61	40.398	0.96914	0.05041	0.00327	157.4	3.79
KD43-35.1	186.07	91.46	40.519	1.1948	0.04806	0.00423	157.39	4.66
KD43-36.1	214.94	153.41	39.679	1.3234	0.04249	0.00299	161.81	5.37
KD43-37.1	154.57	68.28	41.39	1.5927	0.04691	0.00498	154.33	5.95
KD43-38.1	398.49	169.23	38.834	0.95042	0.05056	0.00343	163.65	4.02
KD43-39.1	114.67	57.99	36.108	1.6076	0.0486	0.0039	176.33	7.8
KD43-40.1	147.46	76.64	47.191	2.0815	0.056	0.00558	133.95	5.93
KD43-41.1	140.85	67.68	39.159	0.80693	0.04789	0.00359	162.85	3.39
KD43-42.1	164.1	67.15	39.247	0.81318	0.05468	0.00453	161.12	3.42
KD43-43.1	109.54	57.61	41.119	1.7848	0.05233	0.007	154.29	6.76

KD43-44.1	229.35	73.24	39.76	1.0142	0.04965	0.0041	160.06	4.12
KD43-45.1	80.65	34.23	39.959	2.3322	0.05645	0.00964	157.91	9.31
KD43-46.1	173.59	83.78	38.507	0.78516	0.04983	0.00677	165.18	3.6
KD43-47.1	221.69	114.27	38.755	1.0453	0.0451	0.00604	165.1	4.57
KD43-48.1	115.42	45.39	40.109	1.5841	0.05146	0.00457	158.32	6.24
KD43-49.1	305.7	166.77	38.766	1.0767	0.05251	0.00247	163.54	4.51
KD43-50.1	707.84	35.53	52.124	0.93603	0.0718	0.00537	118.93	2.27
KD43-51.1	74.8	15.95	57.297	2.3672	0.05584	0.01405	110.48	4.93
KD43-52.1	120.36	60.83	40.519	1.4683	0.04704	0.00368	157.6	5.69
KD43-53.1	739.18	90.37	40.158	0.82145	0.05205	0.00134	158.01	3.2
KD43-54.1	159.63	64.35	39.745	1.0809	0.04784	0.00397	160.48	4.38
KD43-55.1	214.7	149.93	38.938	1.1818	0.05338	0.0029	162.65	4.91
KD43-56.1	100.84	40.06	41.05	1.1327	0.05302	0.00625	154.41	4.38
KD43-57.1	48.05	31.3	39.215	2.4119	0.0586	0.00671	160.45	9.85
KD43-58.1	161.39	75.04	39.947	1.3717	0.04854	0.00516	159.54	5.51
KD43-59.1	117.07	66.55	39.159	1.1193	0.04714	0.00343	163	4.65
KD43-60.1	1214.2	593.74	40.647	0.77909	0.05217	0.00146	156.1	2.97
KD43-61.1	98.55	27.91	40.498	1.5342	0.05225	0.01061	156.65	6.22

Sample KD45.1: Middle (Lower) Manning Park Winthrop

	Uncorrected Data						207-Corrected Data	
	U/ppm	Th/ppm	238U/206Pb	±238U/206Pb	207Pb/206Pb	±207Pb/206Pb	206Pb/238U Age	±206Pb/238U Age
KD45.1-1.1	384.47	182.26	31.069	0.58027	0.09743	0.00252	192.23	3.6
KD45.1-2.1	296.29	74.51	30.424	0.56589	0.08893	0.00415	198.48	3.79
KD45.1-3.1	744.6	469.59	32.203	0.88048	0.05732	0.00126	195.37	5.27
<i>KD45.1-4.1</i>	<i>138.43</i>	<i>65.08</i>	<i>28.593</i>	<i>0.53802</i>	<i>0.14844</i>	<i>0.00971</i>	<i>194.64</i>	<i>4.49</i>
<i>KD45.1-5.1</i>	<i>201.62</i>	<i>96.24</i>	<i>27.077</i>	<i>0.8767</i>	<i>0.19667</i>	<i>0.00608</i>	<i>191.36</i>	<i>6.36</i>
KD45.1-6.1	30.57	9.12	23.395	0.97502	0.24006	0.01272	206.63	9.49
KD45.1-7.1	99.76	48.61	29.604	1.3666	0.13767	0.0084	190.92	8.97
<i>KD45.1-8.1</i>	<i>342.96</i>	<i>113.27</i>	<i>32.28</i>	<i>0.57904</i>	<i>0.10027</i>	<i>0.0028</i>	<i>184.39</i>	<i>3.33</i>
KD45.1-9.1	49.76	23.7	22.439	0.6494	0.29804	0.01837	194.9	8.5
<i>KD45.1-10.1</i>	<i>226.66</i>	<i>46.35</i>	<i>31.905</i>	<i>2.9924</i>	<i>0.39732</i>	<i>0.14561</i>	<i>112.09</i>	<i>38.06</i>
KD45.1-11.1	158.16	25.46	47.466	1.3578	0.07774	0.00641	129.52	3.82
KD45.1-12.2	240.71	101.28	31.105	0.82578	0.05361	0.00127	203.13	5.32
KD45.1-13.1	279.53	155.91	31.521	0.69355	0.05767	0.0019	199.46	4.35
KD45.1-14.1	105.31	30.9	40.918	0.93652	0.07853	0.00433	149.95	3.5
KD45.1-15.1	145.06	65.84	31.092	0.55991	0.06516	0.0017	200.29	3.58
KD45.1-16.1	90.44	29.44	24.795	0.49238	0.07481	0.00265	247.49	4.89
KD45.1-17.1	415.02	281.72	34.917	3.4424	0.06231	0.00542	179.18	17.49
KD45.1-18.1	167.41	86.73	23.734	6.6958	0.09362	0.00723	252.24	70.21
KD45.1-19.1	202.59	77.72	31.599	0.56698	0.05544	0.00154	199.53	3.55
KD45.1-20.1	1028.7	485.89	31.313	0.35099	0.05141	0.00065	202.35	2.24
KD45.1-21.1	197.97	77.09	46.647	4.1332	0.0596	0.0036	134.89	11.85
KD45.1-22.1	76.46	30.73	31.68	1.4179	0.0622	0.00265	197.35	8.73
KD45.1-23.1	517.36	55.9	45.451	0.81408	0.05209	0.00172	139.73	2.49
KD45.1-24.1	98.52	58.24	19.199	0.57757	0.33676	0.00695	211.74	6.88
KD45.1-25.1	882.42	565.91	31.34	1.0152	0.0507	0.00058	202.36	6.46
KD45.1-26.1	209.9	52.38	31.49	0.62389	0.05556	0.00139	200.18	3.92
KD45.1-27.1	345.47	130.06	32.469	0.70666	0.06069	0.00162	192.96	4.16
KD45.1-28.1	48.48	13.76	30.395	0.87471	0.11174	0.00956	192.74	6
KD45.1-29.1	1114.2	46.82	32.616	0.70749	0.05143	0.00186	194.34	4.18
KD45.1-30.1	58.28	19.24	31.211	1.4605	0.09953	0.00451	190.84	8.88
KD45.1-31.1	215.75	78.92	30.229	0.56188	0.07187	0.00201	204.2	3.77
KD45.1-32.1	326.76	88.88	30.901	0.52545	0.06473	0.00157	201.62	3.4
KD45.1-33.1	765.15	438.6	33.503	2.7169	0.05475	0.00334	188.46	15.1
KD45.1-34.1	168.91	67.73	30.52	0.62398	0.07037	0.00217	202.66	4.12
KD45.1-35.1	393.01	209.06	31.658	1.0392	0.05549	0.00147	199.15	6.45
KD45.1-36.1	788.42	92.71	29.048	0.89746	0.05433	0.00178	217.17	6.62
KD45.1-37.1	148.59	61.59	31.754	0.79245	0.07853	0.00391	192.83	4.84

KD45.1-38.1	146.8	77.89	32.771	0.90796	0.07494	0.0027	187.76	5.17
KD45.1-39.1	536.19	191.45	31.434	0.39077	0.05235	0.00106	201.34	2.48
KD45.1-40.1	107.04	54.33	32.902	0.87775	0.0778	0.00296	186.33	4.95
KD45.1-41.1	51.68	14.77	24.353	0.49394	0.09414	0.00465	245.74	5.11
<i>KD45.1-42.1</i>	<i>230.59</i>	<i>147.93</i>	<i>30.454</i>	<i>0.99772</i>	<i>0.11517</i>	<i>0.00766</i>	<i>191.48</i>	<i>6.49</i>
<i>KD45.1-43.1</i>	<i>136.79</i>	<i>68.09</i>	<i>31.089</i>	<i>0.75592</i>	<i>0.14479</i>	<i>0.00644</i>	<i>180.05</i>	<i>4.62</i>
<i>KD45.1-44.1</i>	<i>245.37</i>	<i>97.62</i>	<i>30.452</i>	<i>0.59986</i>	<i>0.13583</i>	<i>0.00363</i>	<i>186.12</i>	<i>3.73</i>
<i>KD45.1-45.1</i>	<i>353.4</i>	<i>216.12</i>	<i>32.286</i>	<i>0.92981</i>	<i>0.11532</i>	<i>0.00578</i>	<i>180.66</i>	<i>5.32</i>
KD45.1-46.1	1928	2598.4	44.575	0.74543	0.06659	0.00148	139.86	2.33
<i>KD45.1-47.1</i>	<i>186.8</i>	<i>114.08</i>	<i>31.155</i>	<i>0.57289</i>	<i>0.14341</i>	<i>0.0064</i>	<i>180.02</i>	<i>3.64</i>
KD45.1-48.1	45.03	13.32	27.318	0.93928	0.2893	0.01956	162.7	7.91
<i>KD45.1-49.1</i>	<i>106.56</i>	<i>43.86</i>	<i>29.836</i>	<i>0.98882</i>	<i>0.19175</i>	<i>0.01645</i>	<i>175.07</i>	<i>7.19</i>
KD45.1-50.1	561.9	250.74	37.441	0.49563	0.08144	0.00229	163.15	2.19
<i>KD45.1-51.1</i>	<i>196.16</i>	<i>82.19</i>	<i>31.5</i>	<i>3.2589</i>	<i>0.11233</i>	<i>0.00406</i>	<i>185.88</i>	<i>19.01</i>
<i>KD45.1-52.1</i>	<i>169.76</i>	<i>88.36</i>	<i>30.051</i>	<i>2.0671</i>	<i>0.13847</i>	<i>0.01112</i>	<i>187.89</i>	<i>13.08</i>
KD45.1-53.1	301.1	175.21	33.09	0.52666	0.09117	0.00503	182.08	3.1
<i>KD45.1-54.1</i>	<i>222.1</i>	<i>102.55</i>	<i>29.885</i>	<i>0.7782</i>	<i>0.12271</i>	<i>0.00486</i>	<i>193.1</i>	<i>5.12</i>
KD45.1-55.1	711.96	445.84	34.085	0.57166	0.06595	0.00125	182.67	3.04
<i>KD45.1-56.1</i>	<i>233.76</i>	<i>89.55</i>	<i>31.667</i>	<i>0.74204</i>	<i>0.11793</i>	<i>0.0068</i>	<i>183.51</i>	<i>4.57</i>
KD45.1-57.1	399.93	159.74	33.602	0.77651	0.0802	0.00311	181.92	4.21
<i>KD45.1-58.1</i>	<i>209.61</i>	<i>135.39</i>	<i>32.332</i>	<i>0.70017</i>	<i>0.10517</i>	<i>0.00688</i>	<i>182.89</i>	<i>4.25</i>
<i>KD45.1-59.1</i>	<i>162.85</i>	<i>95.09</i>	<i>30.268</i>	<i>4.0186</i>	<i>0.12194</i>	<i>0.00939</i>	<i>190.87</i>	<i>25.14</i>
KD45.1-60.1	99.87	41.43	28.415	0.83633	0.17222	0.00599	189.22	5.74

Sample KD45.2: Middle (Middle) Manning Park Winthrop

	Uncorrected Data						207-Corrected Data	
	U/ppm	Th/ppm	238U/206Pb	±238U/206Pb	207Pb/206Pb	±207Pb/206Pb	206Pb/238U Age	±206Pb/238U Age
KD45.2-1.	220.62	67.44	37.939	1.6254	0.05037	0.00247	167.54	7.1
45-2.1	224.56	26.78	51.306	1.4901	0.05244	0.0019	123.91	3.57
45-3.1	158.82	72.06	38.343	1.1078	0.06016	0.0029	164.03	4.71
45-4.1	363.01	224.4	38.722	0.9751	0.05067	0.00127	164.13	4.09
45-5.1	78.53	22.77	31.172	1.0489	0.04955	0.00585	203.69	6.87
45-6.1	142.67	72.59	42.685	1.3951	0.05876	0.00248	147.71	4.79
45-7.1	327.33	162.65	39.175	1.4567	0.05518	0.0022	161.45	5.94
45-8.1	641.2	696.95	39.036	0.98099	0.04903	0.00118	163.11	4.05
45-9.1	596.69	148.01	39.186	1.1515	0.05323	0.00266	161.76	4.72
45-10.1	270.53	30.76	52.41	1.5666	0.05006	0.00574	121.62	3.68
KD45.2-11.	495.45	326.97	36.891	0.90033	0.05151	0.00247	172.04	4.17
45-12.1	118.84	45.69	31.052	1.1798	0.0512	0.00212	204.1	7.65
45-13.1	125.03	48.94	36.871	1.6857	0.05023	0.00212	172.36	7.79
45-14.1	154.04	80.55	39.653	1.2116	0.06242	0.00483	158.27	4.85
45-15.1	444.57	165.8	52.006	1.6234	0.04993	0.00187	122.58	3.8
45-16.1	165.65	44.85	30.477	0.9599	0.05468	0.0018	207.13	6.44
45-17.1	215.35	39.02	42.633	1.3297	0.05647	0.00208	148.25	4.59
45-18.1	107.24	45.15	35.792	1.1649	0.05529	0.00254	176.54	5.69
45-19.1	166.27	37.42	55.308	2.0146	0.0567	0.00376	114.46	4.16
45-20.1	137.19	46.99	39.579	1.5086	0.05605	0.00241	159.67	6.03
KD45.2-21.	205.69	52.97	50.464	3.3068	0.06212	0.00961	124.62	8.2
45-22.1	72.13	35.99	41.869	2.1204	0.06246	0.00871	149.92	7.65
45-23.1	97.85	22.05	51.625	2.495	0.05237	0.0056	123.15	5.95
45-24.1	214.33	140.52	34.849	1.2855	0.06941	0.00336	178.48	6.53
45-25.1	421.86	76.42	51.855	1.3786	0.05501	0.00145	122.26	3.23
45-26.1	165.26	63.34	35.502	1.2388	0.06325	0.00259	176.42	6.1
45-27.1	184.12	95.03	37.776	1.3072	0.05224	0.00367	167.92	5.78
45-28.1	1265.3	1202.1	37.232	0.88041	0.04924	0.0007	170.9	3.99
45-29.1	190.21	100	39.921	1.1445	0.05556	0.00195	158.4	4.5
45-30.1	568.03	219.88	38.16	1.021	0.05054	0.00207	166.55	4.42
KD45.2-31.	88.88	37.98	37.895	1.3077	0.05354	0.00258	167.15	5.72
45-32.1	153.79	72.96	39.153	1.2443	0.05287	0.00264	161.95	5.11

45-33.1	49.24	11.66	41.401	2.5138	0.05344	0.00454	153.13	9.23
45-34.1	273.38	71.94	35.648	0.92263	0.05089	0.00195	178.1	4.56
45-35.1	261.66	159.38	36.371	1.1422	0.05236	0.00319	174.32	5.44
45-36.1	207.41	60.54	50.659	1.4578	0.05531	0.00208	125.09	3.58
45-37.1	457.48	223.43	35.466	1.2292	0.05207	0.00219	178.77	6.13
45-38.1	247.35	112.1	34.632	1.1171	0.05636	0.00318	182.18	5.83
45-39.1	197.07	88.85	35.666	1.4949	0.05533	0.00303	177.16	7.35
45-40.1	55.99	18.35	51.247	2.1676	0.07093	0.01025	121.55	5.28
KD45.2-41.	406.55	190.06	36.549	1.1179	0.05038	0.00261	173.85	5.27
45-42.1	102.53	50.76	36.255	1.1795	0.0625	0.00607	172.95	5.67
45-43.1	71.49	24.62	35.393	1.6255	0.054	0.00504	178.77	8.16
45-44.1	102.77	34.76	38.052	1.548	0.06002	0.0036	165.29	6.67
45-45.1	910.05	33.35	36.685	1.0316	0.04844	0.00089	173.58	4.82
45-46.1	344.47	146.02	36.813	0.88094	0.0518	0.00308	172.35	4.11
45-47.1	111.14	52	34.018	1.2356	0.04814	0.00422	187.11	6.76
45-48.1	169.88	81.81	36.534	1.3418	0.05155	0.00302	173.7	6.32
45-49.1	230.75	40.5	37.241	1.3535	0.05335	0.00245	170.1	6.12
45-50.1	213.42	50.24	49.292	1.365	0.0535	0.00329	128.78	3.56
KD45.2-51.	332.34	151.89	36.207	1.0201	0.05887	0.00227	173.86	4.85
45-52.1	310.09	59.95	36.501	1.5027	0.05563	0.00235	173.08	7.05
45-53.1	787.14	276.18	37.638	0.90404	0.05067	0.00145	168.81	4.01
45-54.1	835.29	223.08	48.827	1.206	0.04959	0.00096	130.56	3.2
45-55.1	429.42	247.25	36.202	0.93047	0.05205	0.00118	175.18	4.45
45-56.1	399.42	95.17	38.385	0.985	0.05099	0.00156	165.5	4.2
45-57.1	271.95	158.2	36.735	1.1441	0.05547	0.00318	172.03	5.32
45-58.1	27.35	6.33	39.639	3.1094	0.10066	0.01813	151.55	12.18
45-59.1	253.98	94.04	37.44	1.1348	0.05365	0.00321	169.14	5.1
45-60.1	155.66	57.39	36.201	1.1968	0.0538	0.00326	174.86	5.74

Sample KD45.3: Middle (Upper) Manning Park Winthrop

	Uncorrected Data					207-Corrected Data		
	U/ppm	Th/ppm	238U/206Pb	±238U/206Pb	207Pb/206Pb	±207Pb/206Pb	206Pb/238U Age	±206Pb/238U Age
KD45.3-1.1	392.68	211.69	39.394	0.58435	0.07482	0.00216	156.45	2.33
KD45.3-2.1	493.47	75.25	56.73	0.94185	0.05484	0.00316	111.72	1.89
KD45.3-3.1	171.85	41.99	53.348	2.0759	0.04891	0.0049	119.65	4.67
KD45.3-4.1	464.69	238.5	39.389	0.616	0.04988	0.00222	161.51	2.53
<i>KD45.3-5.1</i>	<i>129.45</i>	<i>33.27</i>	<i>51.767</i>	<i>1.7517</i>	<i>0.10727</i>	<i>0.00561</i>	<i>114.25</i>	<i>3.93</i>
KD45.3-6.1	18.27	4.43	40.294	2.5846	0.07843	0.01051	152.27	9.88
KD45.3-7.1	96.44	37.31	46.567	1.1825	0.04865	0.00582	136.99	3.58
KD45.3-8.1	303.37	271.49	40.668	1.117	0.04966	0.00326	156.51	4.3
KD45.3-9.1	289.07	64.2	56.698	1.3351	0.05126	0.00444	112.29	2.7
KD45.3-10.1	455.06	281.79	39.562	0.7987	0.05084	0.00186	160.61	3.22
KD45.3-11.1	267.8	59.54	54.04	1.0014	0.04968	0.00366	118.01	2.23
KD45.3-12.1	120.11	44.77	40.486	1.4597	0.0563	0.00598	155.9	5.68
KD45.3-13.1	443.11	165.47	44.085	0.83334	0.05244	0.00158	143.96	2.71
KD45.3-14.1	34.48	8.75	37.754	2.2531	0.05761	0.00767	166.82	9.97
KD45.3-15.1	502.02	248.62	41.115	0.54623	0.04928	0.00288	154.9	2.11
KD45.3-16.1	306.07	145.58	40.592	0.68717	0.05352	0.00299	156.05	2.67
KD45.3-17.1	42.93	21.94	46.786	1.5262	0.06866	0.00989	132.94	4.61
KD45.3-18.1	141.13	67.89	40.384	0.73315	0.08119	0.00758	151.39	3.1
KD45.3-19.1	66.69	19.9	40.486	1.2922	0.22391	0.0113	122.83	4.48
KD45.3-20.1	406.82	127.44	48.123	0.88755	0.05064	0.00251	132.27	2.45
KD45.3-21.1	45.26	8.01	39.067	1.3849	0.06761	0.00564	159.22	5.69
KD45.3-22.1	220.22	141.72	41.695	0.83481	0.04741	0.00502	153.11	3.18
KD45.3-23.1	45.93	19.86	48.202	2.0143	0.06234	0.00606	130.11	5.48
KD45.3-24.1	101.08	65.34	40.654	0.86648	0.04705	0.00294	157.07	3.36
KD45.3-25.1	162.25	119.76	40.925	0.86632	0.0529	0.003	154.91	3.29
KD45.3-26.1	366.32	163.79	40.183	0.81203	0.04805	0.00394	158.7	3.26
KD45.3-27.1	135.09	31.13	38.001	1.418	0.05713	0.00382	165.84	6.16

KD45.3-28.1	742.58	403.84	39.884	0.66332	0.05056	0.00138	159.38	2.63
KD45.3-29.1	159.1	80.92	39.048	1.0087	0.04986	0.00181	162.91	4.17
KD45.3-30.1	134.45	90.31	34.193	1.0106	0.05328	0.00273	185.03	5.43
KD45.3-31.1	168.12	52.03	34.518	0.96926	0.05515	0.00218	182.88	5.09
KD45.3-32.1	242.31	131.9	35.1	0.61691	0.05039	0.00185	180.95	3.16
KD45.3-33.1	262.84	111.33	37.45	1.462	0.04801	0.00221	170.19	6.58
KD45.3-34.1	355.59	187.44	35.581	0.61091	0.04817	0.00296	179.02	3.1
KD45.3-35.1	361.8	175.15	36.799	0.56605	0.05401	0.00119	171.89	2.62
KD45.3-36.1	250.11	116.48	36.381	0.57802	0.05065	0.0014	174.57	2.75
KD45.3-37.1	58.76	22.34	37.54	1.0958	0.048	0.00443	169.79	4.98
KD45.3-38.1	115.71	68.05	32.811	1.0569	0.05428	0.00223	192.51	6.14
KD45.3-39.1	1139.8	1322.2	36.966	0.42196	0.0516	0.00148	171.63	1.96
KD45.3-40.1	68.12	23.35	50.39	1.3401	0.05882	0.00443	125.06	3.37
KD45.3-41.1	353.1	156.67	35.457	0.79567	0.05342	0.00157	178.47	3.97
KD45.3-42.1	66.79	25.57	42.457	1.2219	0.04934	0.00462	150.03	4.36
KD45.3-43.1	182.04	126.93	36.209	0.76673	0.04982	0.00166	175.58	3.69
KD45.3-44.1	162.29	63.73	35.954	0.7529	0.05116	0.00184	176.52	3.67
KD45.3-45.1	93.98	31.97	38.831	1.0226	0.05788	0.00258	162.17	4.25
KD45.3-46.1	95.18	57.27	36.865	1.1851	0.05285	0.0045	171.83	5.54
KD45.3-47.1	40.99	16.05	38.371	1.5437	0.04791	0.00387	166.16	6.65
KD45.3-48.1	411.03	227.34	37.887	0.88046	0.05008	0.0027	167.81	3.89
KD45.3-49.1	124.37	38.38	37.988	0.75755	0.05251	0.00339	166.86	3.36
KD45.3-50.1	38.13	10.6	39.251	1.3627	0.04715	0.00349	162.62	5.62
KD45.3-51.1	200.27	107.96	37.32	0.7928	0.051	0.00162	170.15	3.58
KD45.3-52.1	315.26	88.95	35.661	0.89853	0.04876	0.00149	178.48	4.45
KD45.3-53.1	272.98	110.13	49.64	1.478	0.04829	0.00194	128.63	3.81
KD45.3-54.1	569.58	379.28	38.132	1.0341	0.05354	0.00184	166.02	4.46
KD45.3-55.1	193	117.93	35.966	0.68642	0.05162	0.00212	176.36	3.35
KD45.3-56.1	185.18	101.53	37.245	0.93606	0.04749	0.00471	171.23	4.36
KD45.3-57.1	326.25	114.58	37.001	0.56333	0.05152	0.00127	171.49	2.59
KD45.3-58.1	150.49	97.66	36.319	0.62743	0.05122	0.00208	174.75	3.01
KD45.3-59.1	301.61	151.58	36.107	0.64597	0.05344	0.00147	175.28	3.11
KD45.3-60.1	22.18	7.58	46.48	2.8795	0.06472	0.03809	134.49	10.52