

APPENDIX 7 - ⁴⁰Ar/³⁹Ar radiometric age determination data (from C. Swisher)

sample #	40/39	37/39	36/39	40*/39	%Rad.	Age	SD	comment
<i>Sample location: From outcrop of welded tuff above "Red Hill" (SW¼, SE¼ sec. 27, T7S, R19E; UTM: 702936E 4977625N)</i>								
91CS-JD9 (Member A)								
plagioclase								
6474-01	3.99560	1.38645	0.00065	3.89074	97.3	38.664	0.097	altered
6474-02	4.22758	1.42753	0.00144	3.89138	92.0	38.670	0.097	altered
sanidine								
6474-03	4.04509	0.01874	0.00027	3.94579	97.5	39.206	0.080	ok
6474-04	4.01754	0.02086	0.00018	3.94519	98.2	39.199	0.060	ok
6474-05	4.06566	0.02282	0.00034	3.94698	97.1	39.217	0.073	ok
6474-06	4.11119	0.02231	0.00047	3.95343	96.2	39.280	0.062	ok
6474-07	3.98846	0.03388	0.00010	3.94012	98.8	39.150	0.071	ok
6474-08	4.12951	0.01910	0.00053	3.95486	95.8	39.294	0.068	ok
6474-09	3.98346	0.02712	0.00008	3.94132	98.9	39.161	0.086	ok
				weighted mean =		39.220	0.027	
<i>Sample location: Small knoll east of footpath to "Slanting Leaf Beds" (SW¼, SW¼ sec 23; UTM: 703803E 4979062N)</i>								
91CS-JD10 ("White Knoll Tuff")								
plagioclase								
6475-01	6.17414	0.65979	0.01297	2.37131	38.4	23.663	0.166	altered
6475-02	5.19182	2.19444	0.00552	3.70889	71.4	36.885	0.147	altered
6475-03	4.25850	2.20802	0.00208	3.79318	88.9	37.705	0.160	altered
6475-04	4.17460	1.97277	0.00158	3.83949	91.9	38.160	0.113	ok
6475-05	3.93870	2.25457	0.00083	3.84696	97.5	38.234	0.165	ok
6475-06	3.94984	2.13040	0.00086	3.84161	97.1	38.181	0.113	ok
6475-08	4.03507	2.27731	0.00112	3.85890	95.5	38.351	0.156	ok
6475-09	3.90296	2.62325	0.00086	3.83191	98.0	38.086	1.147	ok
				weighted mean =		38.191	0.060	
sanidine								
6475-07	4.02120	0.02140	0.00013	3.96376	98.6	38.382	0.065	
<i>Sample location: South-facing hillslope of bedded white siltstones (SE¼, SE¼ sec 22; UTM: 703415E 4979204N)</i>								
91CS-JD11 ("Slanting Leaf Beds")								
plagioclase								
6479-01	6.84667	2.03347	0.01539	2.43496	36.5	24.294	0.324	altered
6479-02	3.72005	11.52629	0.00439	3.28925	87.8	32.741	0.861	altered
6479-03	3.82562	9.09793	0.00382	3.37675	87.8	33.604	0.343	ok
6479-04	3.70485	30.65522	0.00901	3.37905	89.4	33.626	1.824	ok
6479-05	3.55236	4.10983	0.00158	3.38073	94.9	33.643	0.626	ok
6479-06	3.70558	7.35660	0.00292	3.38739	91.0	33.709	0.430	ok
6479-07	7.55482	11.48434	0.01698	3.40034	44.7	33.836	0.729	ok
6479-08	3.50164	8.21837	0.00184	3.57184	101.5	35.526	0.609	ok
6479-09	3.45810	6.99528	0.00206	3.36719	96.9	33.509	0.347	ok
				weighted mean =		33.616	0.193	