WELLS_Siletzia_Table DR1_Coccolith CP zones

Field No.	Date	Paleontologist Report by	Collected by	County	State	30'x60'Quad	Quad	Scale	Latitude (North)	Longitude (Wes	Location	Type of Sample	Lithology	Formation	CP Zone	GeolAge	Paleoecology/ Bathymetry	Species List & Relative Abundance	Diversity	Remarks	Notes	References
W 83-15N	1983	David Bukry	Ray E. Wells	Tillamook	OR	Nehalem River	Jordan Creek	24000	45.53633	123.55633	SW SW sec. 28, T1N R7W	outcrop	siltstone	Tyee Fm.?	CP 12b?	Eocene						
W 83-51	1983	David Bukry	Ray E. Wells	Tillamook	OR	Nehalem River	Jordan Creek	24000	45.53650	123.55633	SW SW sec. 28, T1N R7W	outcrop	basaltic sandstone	Tyee Formation equivalent?	resembles CP 12b	late early or early middle Eocene		assemblage resembles Rhabdosphaer a inflata Zone, but no R. inflata is present	abundant, high diversity (15)		report dated 11/3/83	
W 84-15	1984	David Bukry	Ray E. Wells	Tillamook	OR	Yamhill River	Dovre Peak	24000	45.29633	123.55017	SW NE sec. 21, T3S R7W	outcrop	thin-bedded very fine- grained mic. feldspathic sandstone	Tyee Fm.	CP 11 or CP 12	late early Eocene	relatively shallow deposition	Coccolithus crassus Bramlette and Sullivan, C. magnicrassus Bukry, Helicosphaera seminulum Bramlette and Sullivan; Braarudosphae ra bigelowii (Gran and Braarud), Discolithina plana (Bramlette and Sullivan), Zygrhablithus bijugatus Deflandre	diversity moderate (17 species)	key discoasters are missing.	report dated 12/3/84	
Rarey #612		David Bukry	P. Rarey	Clatsop	OR	Nehalem River	Hamlet	24000	45.80883	123.69583	NE SW sec. 20, T. 4 N., R. 8 W.	outcrop	siltstone	Hamlet Fm.	CP 14a	late-middle Eocene						
Rarey #620		David Bukry	P. Rarey	Clatsop	OR	Nehalem River	Hamlet	24000	45.79867	123.69967	NE NE sec. 29, T. 4 N., R. 8 W.	outcrop	siltstone	Hamlet Fm.	CP 14a	Eocene						
S 85-132	1985	David Bukry	P.D. Snavely, Jr.	Yamhill	OR	Yamhill River	Gobblers Knob	24000	45.48333	123.44883	NW NE sec. 29, T. 1 S., R. 6 W.	outcrop	siltstone	Siltstone and basalt of Trask River	CP 10/11 (10/24/85); CP 11 or CP 12a (11/24/87)	early Eocene		Chiasmolithus grandis, C. solitus, Discoaster lodoensis, Discoasteroide s kuepperi, Sphenolithus radians, Tribrachiatus orthostylus	moderately diverse		reports dated 10/24/85, 11/24/87	Bukry and Snavely (1988)
W 85-42	1985	David Bukry	Ray E. Wells	Washington	OR	Yamhill River	Gobblers Knob	24000	45.46067	123.45083	NE NE sec. 29, T1S R6W	outcrop	siltstone	Trask River beds (Umpqua-equivalent)	CP 10 or CP 11	late early Eocene	shallow-water	large indicator species: Braarudosphae ra, Rhabdosphaer a, and Zygrhablithus; contains guide taxa Chiasmolithus grandis, Discoaster lodoensis, D. kuepperi, and Tribrachiatus orthostylus	moderately diverse	overgrown	report dated 10/24/85	
W 86-14	1986	David Bukry	Ray E. Wells	Tillamook	OR	Yamhill River	The Peninsula	24000	45.49900	123.68517	Trask River	outcrop	siltstone	Tyee Fm	CP 12b	middle Eocene		few coccoliths including Discoasteroide s kuepperi and Rhabdosphaer a inflata			report dated 1/16/87	
W 86-16a	1986	David Bukry	Ray E. Wells	Tillamook	OR	Nehalem River	Jordan Creek	24000	45.53717	123.57883	SW SW sec. 29, T. 1 N., R. 7 W.	outcrop	siltstone	Tyee Formation equivalent?	CP 11 to CP 12a	Cenozoic			very sparse, nondiagnostic		report dated 1/16/87	
W 86-16c	1986	David Bukry	Ray E. Wells	Tillamook	OR	Nehalem River	Jordan Creek	24000	45.53717	123.57883	SW SW sec. 29, T. 1 N., R. 7 W.	outcrop	siltstone	Tyee Formation equivalent?	CP 11 or CP 12a	early Eocene		common coccoliths include Cyclicargolithu s gammation and Discoasteroide s kuepperi	abundance (C)		report dated 1/16/87	
W 86-17	1986	David Bukry	Ray E. Wells	Tillamook	OR	Nehalem River	Jordan Creek	24000	45.53717	-123.56717	SW SE sec. 29, T. 1 N., R. 7 W.	outcrop	siltstone	Tyee Formation equivalent?	CP 11 or CP 12a	early Eocene		few coccoliths, fragmented. Contains Discoasteroide s kuepperi			report dated 1/16/87	
W 87-46A,B	1987	David Bukry	Ray E. Wells	Tillamook	OR	Yamhill River	Trask	24000	45.44950	123.54683	SE SE sec. 28, T. 1 S., R. 7 W.	outcrop	siltstone	Siltstone and basalt of Trask River	CP 11	late early Eocene		includes Discoaster lodoensis, Discoasteroide s kuepperi, and Lophodolithus nascens, one Coccolithus crassus (in - 46B)	meager assemblage		report dated 11/5/87	
W 87-46AX	1987	David Bukry	Ray E. Wells	Tillamook	OR	Yamhill River	Trask	24000	45.44950	123.54683	SE SE sec. 28, T. 1 S., R. 7 W.	outcrop	siltstone	Siltstone and basalt of Trask River	CP 11	early Eocene		includes Coccolithus crassus, C. magnicrassus and Discoasteroide s kuepperi. No. Tribrachiatus orthostylus. A few Braarudosphae ra bigelowii and Zygrhablithus bijugatus	meager assemblage	moderately overgrown	report dated 11/24/87	
W 88-3	1988	David Bukry	Ray E. Wells	Tillamook	OR	Yamhill River	Trask	24000	45.45067	123.60067	Trask	outcrop	siltstone	Tyee Formation equivalent?	CP 12b	early middle Eocene		includes Rhabdosphaer a crebra, R. inflata; no discoasters	common, moderately overgrown assemblage		report dated 12/1/88	
W 88-4	1988	David Bukry	Ray E. Wells	Tillamook	OR	Yamhill River	Blaine	24000	45.26717	123.70800	Trask	outcrop	siltstone	Tyee Formation equivalent?	CP 12b	early middle Eocene		includes fairly numerous R. inflata with Chiasmolithus grandis, Cyclicargolithu s pseudogamma tion. No discoasters	common assemblage		report dated 12/1/88	
W 88-5	1988	David Bukry	Ray E. Wells	Tillamook	OR	Yamhill River	Blaine	24000	45.26717	123.70800	Nestucca R. area	outcrop	siltstone	Tyee Formation equivalent?	CP 12b	early middle Eocene		few Reticulofenestr a dictyoda and Rhabdosphaer a inflata	common, fairly diverse assemblage		report dated 12/1/88	

WELLS_Siletzia_Table 1_Coccolith CP zones

Field No.	Date	Paleontologist Report by	Collected by	County	State	30'x60'Quad	Quad	Scale	Latitude (North)	Longitude (Wes	Location	Type of Sample	Lithology	Formation	CP Zone	GeolAge	Paleoecology/ Bathymetry	Species List & Relative Abundance	Diversity	Remarks	Notes	References
W 88-6	1988	David Bukry	Ray E. Wells	Tillamook	OR	Yamhill River	Blaine	24000	45.26717	123.70800	Nestucca R. area	outcrop	siltstone	Tyee Formation equivalent?	CP 12b	early middle Eocene		with an R. inflata stem	sparse, etched and fragmented assemblage		report dated 12/1/88	
W 88-18b	1988	David Bukry	Ray E. Wells	Tillamook	OR	Yamhill River	Dovre Peak	24000	45.26417	123.59417		outcrop	siltstone	Trask River beds (Umpqua-equivalent)	CP 11	early Eocene		include key Coccolithus crassus and sparse Discoaster lodoensis and Discoasteroide s kuepperi	common coccoliths		report dated 12/1/88	
W 88-19a	1988	David Bukry	Ray E. Wells	Tillamook	OR	Yamhill River	Dovre Peak	24000	45.26417	123.59417		outcrop	siltstone	Trask River beds (Umpqua-equivalent)	CP 11	early Eocene		sparse C. sp. cf. C. crassus and Discoaster lodoensis fragments	few etched coccoliths in calcareous coccolith hash		report dated 12/1/88	
W 88-26	1988	David Bukry	Ray E. Wells	Tillamook	OR	Yamhill River	Blaine	24000	45.44317	123.56550	Nestucca R. area	outcrop	siltstone	Trask River beds (Umpqua-equivalent)	CP 11	early Eocene		contains D. lodoensis, D. kuepperi, and C. crassus	common coccoliths	moderately overgrown	report dated 12/1/88	
W 88-44b	1989	David Bukry	Ray E. Wells	Tillamook	OR	Yamhill River	Dovre Peak	24000	45.37250	123.55817		outcrop	siltstone	Trask River beds (Umpqua-equivalent)	CP 10 or CP 11	early Eocene		assemblage includes C. grandis, C. gammation, C. cf. magnicrassus, D. cf. lodoensis, and Discoasteroide s kuepperi	meager, moderate diversity (13)	Placoliths are sparse and pentaliths missing.	report dated 1/20/89	
EAR-11-88a	1989	David Bukry	Wells field asst.	Tillamook	OR	Nehalem River	Jordan Creek	24000	45.60983	123.52567	Wilson R. area	outcrop	siltstone	Yamhill Fm.	CP 14a	middle Eocene		common Cyclicargolithu s pseudogamma tion and sparse Chiasmolithus solitus and Discoaster sp. cf. D. bifax	low-diversity (10) assemblage includes Braarudosphae ra bigelowii and Zygolithus dubius		report dated 1/20/89	
W 89-31a	1989	David Bukry	Ray E. Wells	Pacific	WA	Astoria	Upper Naselle River	24000	46.45517	123.68083	Upper Naselle River	outcrop	siltstone	Yamhill Fm.	CP 13 or CP 14a	middle Eocene		Common Braarudosphae ra crystallites with C. solitus and R. samodurovii (7 microns)			report dated 12/27/89	
W 89-31b	1989	David Bukry	Ray E. Wells	Pacific	WA	Astoria	Upper Naselle River	24000	46.45517	123.68083	Upper Naselle River	outcrop	siltstone	Yamhill Fm.	CP 13 or CP 14a	middle Eocene		Common Braarudosphae ra crystallites with a few partial coccospheres. C. solitus is present.			report dated 12/27/89	
W 89-37	1989	David Bukry	Ray E. Wells	Pacific	WA	Astoria	Upper Naselle River	24000	46.47150	123.68650	Upper Naselle River	outcrop	siltstone	Yamhill Fm.	CP 14a	middle Eocene		Chiasmolithus grandis, C. solitus, Reticulofenestr a samodurovii (11 microns) and ?R. umbilica (>13 microns)	large specimens and abundant placoliths		report dated 12/27/89	
W 92-200b	1992	David Bukry	Ray E. Wells	Pacific	WA	Astoria	Knappton	24000	46.25129	123.85813	NE sec. 24, T9N R10W; Megler rest stop	outcrop	siltstone	Megler sandstone	CP 14b/ CP 15b	latest middle Eocene to late Eocene	shallow-water source	sparse flora with C. reticulatum, R. umbilica, and shallow-water taxa Braarudosphae ra, Pontosphaera, and Zygrhablithus; plus C. pelagicus (12/2/92)		No Chiasmolithus solitus	report dated 12/2/92	
W 92-200c	1992	David Bukry	Ray E. Wells	Pacific	WA	Astoria	Knappton	24000	46.25129	123.85813	NE sec. 24, T9N R10W; Megler rest stop	outcrop	siltstone	Megler sandstone	CP 14b/ CP 15b	latest middle Eocene to late Eocene; middle Eocene to early Oligocene (12/2/92)	shallow-water source	sparse flora includes C. reticulatum and R. umbilica (16 microns); plus Pemma, Braarudosphae ra bigelowii, Transversopon tis, questionable Cribrocentrum reticulatum and Reticulofenestr a hampdenensis (12/2/92); plus C. pseudogamma tion,	(cont'd.) R. samodurovii (8 microns), R. sp. (circular) (3/11/93)		reports dated 12/2/92/ 3/11/93	
WaW 92-2Na and c	1992	David Bukry	Ray E. Wells	Cowlitz	WA		Wildwood	24000	46.3805	123.0840	Stillwater Creek	outcrop	siltstone	McIntosh Formation	CP 14a	late middle Eocene		Braarudosphae ra bigelowii		same disaggregated mode as reported in the Tillamook kerogen shale (OFR 93-623)		
W 94-5a	1994	David Bukry	Ray E. Wells	Douglas	OR	Roseburg	Sutherlin	24000	43.48000	123.34000	NW NW sec. 19, T24S R5W; fresh roadcut on N side of ESE airport runway	outcrop	siltstone	basin plain mudstone, Tenmile Fm.	CP 11	late-early Eocene						Wells and others (2000), Table 2a
W 94-5b	1994	David Bukry	Ray E. Wells	Douglas	OR	Roseburg	Sutherlin	24000	43.48000	123.34000	NW NW sec. 19, T24S R5W; fresh roadcut on N side of ESE airport runway	outcrop	siltstone	basin plain mudstone, Tenmile Fm.	CP 11	late-early Eocene		abundant flora includes Chiasmolithus granids, Coccolithus crassus, Discoaster barbadiensis, D. lodoensis, Discoasteroide s kuepperi, Helicosphaera seminulum, Lophodolithus nascens, Micrantholithu s aequalis, Pontosphaera pectinata, Rhabdosphaer a sp.,	abundant and diverse flora - (cont'd): Sphenolithus radians, Tranversoponti s pulcheroides, Tribrachiatus orthostylus, and Zygrhablithus bijugatus			Wells and others (2000), Table 2a
W 95-9b	1995	David Bukry	Ray E. Wells	Douglas	OR	Roseburg	Roseburg East	24000	43.25000	123.35000	NE sec. 61, T27S R6W	outcrop	siltstone	Bushnell Rock Fm.	CP 10	middle-early Eocene						Wells and others (2000), Table 2a

WELLS_Siletzia_Table 1_Coccolith CP zones

Field No.	Date	Paleontologist Report by	Collected by	County	State	30'x60'Quad	Quad	Scale	Latitude (North)	Longitude (Wes	Location	Type of Sample	Lithology	Formation	CP Zone	GeolAge	Paleoecology/ Bathymetry	Species List & Relative Abundance	Diversity	Remarks	Notes	References
JW2 96-290B	1996	David Bukry	Ray E. Wells	Tillamook	OR	Nehalem River	Jordan Creek	24000	45.50313	123.60695	SE SE sec. 1, T1S R8W	outcrop	siltstone	Tyee Formation equivalent?	CP 11 to CP 12a	late early Eocene		D. kuepperi, Chiasmolithus grandis, C. solitus, C. aff. crassus, D. barbadiensis, D. deflandrei, H. seminulum, S. radians, T. pulcher, Z. bijugatus		no definitive D. lodoensis or C. crassus		
N 96-2	1996	David Bukry	R.E. Wells/A.R. Niem	Columbia	OR	Nehalem River	Clear Creek	24000	CLEAR CREEK			outcrop	siltstone	Keasey Fm.	CP 15b/ CP 16b	Eocene/Oligoc ene		Isthmolithus recurvus, Cyclicargolithu s floridanus, Dict. scrippsae, Pontosphaera sp., Reticulofenestr a umbilica (14 microns), Reticulofenestr a sp.	diversity (7) abundance (F)	Isthmolithus recurvus is cold water guide to Eocene- Oligocene boundary		
W 96-3	1996	David Bukry	Ray E. Wells	Douglas	OR	Roseburg	Tenmile	24000	43.11989	123.60184	SW NW sec. 24, T28S R8W; interbed in pillow basalt, vertical in quarry	outcrop	siltstone	turbidite sandstone & mudstone, Roseburg Mbr., Siletz River Volcanics	CP 10a	middle-early Eocene						
W 96-4d	1996	David Bukry	Ray E. Wells	Douglas	OR	Roseburg	Garden Valley	24000	43.33000	123.44000	NW NW sec. 8, T26S R6W; E of Woodruff Mtn., Umpqua folds along highway	outcrop	siltstone	mudstone & turbidite sandstone of Tenmile Fm.	CP 10/12	late-early Eocene						Wells and others (2000), Table 2a
W 96-7d	1996	David Bukry	Ray E. Wells	Douglas	OR	Roseburg	Winchester	24000	43.35000	123.33000	SE sec. 31, T25S R5W	outcrop	siltstone	mudstone & turbidite sandstone of Tenmile Fm.	CP 10-late	late-early Eocene						Wells and others (2000), Table 2a
W 96-8a-c	1996	David Bukry	Ray E. Wells	Douglas	OR	Roseburg	Winchester	24000	43.35000	123.33000	SE sec. 31, T25S R5W	outcrop	siltstone	mudstone & turbidite sandstone of Tenmile Fm.	CP 10-late	late-early Eocene						Wells and others (2000), Table 2a
W 96-10a-d	1996	David Bukry	Ray E. Wells	Douglas	OR	Roseburg	Garden Valley	24000	43.33000	123.44000	SW sec. 5, T26S R6W	outcrop	siltstone	mudstone & turbidite sandstone of Tenmile Fm.	CP 10/12	late-early Eocene						Wells and others (2000), Table 2a

Wells_Table DR2 U-Pb TIMS ages, Tillamook Highlands, OR

Sample #	Rock	age	Age interpretation
01PH510A	Trask ash	52.1 ± 0.8 Ma	$^{206}Pb/^{238}U$ age of one concordant fraction
01PH508A	Yamhill tuff	46.47 ± 0.06 Ma	Weighted mean $^{206}Pb/^{238}U$ age N=2, MSWD=0.01
01PH516A	Tillamook felsic flow along Trask River	41.6 ± 0.4 Ma	$^{206}Pb/^{238}U$ age of youngest concordant fraction
01PH503A	gabbro at Elk Creek	35.6 ± 0.5 Ma	Weighted mean $^{206}Pb/^{238}U$ age N=3, MSWD=1.8, 95% confidence

WELLS_Table DR3_U-Th-Pb isotopic data

		Compositional Parameters								Radiogenic Isotope Ratios								Isotopic Ages					
Sample	Wt. mg	U ppm	Th/U	Pb ppm	^{206}Pb* x10^{-13} mol	mol % ^{206}Pb*	Pb*/Pb$_c$	Pb$_c$ (pg)	^{206}Pb/^{204}Pb	^{208}Pb/^{206}Pb	^{207}Pb/^{206}Pb	% err	^{207}Pb/^{235}U	% err	^{206}Pb/^{238}U	% err	corr. coef.	^{207}Pb/^{206}Pb	± Ma	^{207}Pb/^{235}U	± Ma	^{206}Pb/^{238}U	± Ma
(a)	(b)	(c)	(d)	(c)	(e)	(e)	(e)	(e)	(f)	(g)	(g)	(h)	(g)	(h)	(g)	(h)		(i)	(h)	(i)	(h)	(i)	(h)
Trask River ash 01PH510A																							
A, 10,e	0.011	76	0.734	1.0	0.2812	87.56%	2	3.53	130	0.233	0.046463	18.154	0.052031	19.217	0.008122	1.462	0.745	21.74	435.48	51.50	9.65	52.14	0.76
B, 20,s	0.010	422	0.295	7.6	2.5722	94.73%	5	11.82	330	0.142	0.073700	4.495	0.148746	4.838	0.014638	0.659	0.571	1033.26	90.80	140.80	6.36	93.68	0.61
C,20,s	0.009	138	0.203	4.4	1.3853	95.90%	7	5.10	408	0.111	0.089764	1.362	0.330287	1.616	0.026686	0.708	0.550	1420.51	26.02	289.79	4.08	169.78	1.19
D,6,abr	0.009	274	0.391	3.6	1.1798	97.40%	12	2.40	669	0.159	0.060727	10.129	0.096250	10.432	0.011495	1.022	0.341	629.57	218.13	93.31	9.30	73.68	0.75
Yamhill tuff 01PH508A																							
A,2,abr	0.012	810	0.468	7.1	3.3812	99.30%	42	1.98	2503	0.151	0.047350	0.748	0.054562	0.844	0.008357	0.254	0.508	66.92	17.79	53.94	0.44	53.65	0.14
B,8,abr	0.030	1492	0.690	11.9	13.4791	99.59%	75	4.70	4254	0.221	0.046903	0.410	0.046784	0.474	0.007234	0.143	0.566	44.27	9.79	46.43	0.21	46.47	0.07
C,9,s,abr	0.009	2439	0.664	20.3	6.8385	99.16%	37	4.79	2181	0.215	0.047447	1.508	0.048945	1.943	0.007482	1.150	0.632	71.81	35.83	48.52	0.92	48.05	0.55
D,5,e,abr	0.017	383	0.914	3.4	1.9602	97.78%	15	3.68	825	0.294	0.046966	0.995	0.046843	1.079	0.007234	0.250	0.439	47.51	23.75	46.48	0.49	46.46	0.12
E,25,abr	0.044	852	0.696	6.9	11.3301	99.47%	59	5.02	3441	0.224	0.047070	0.189	0.047123	0.301	0.007261	0.179	0.809	52.79	4.50	46.75	0.14	46.64	0.08
Tilamook rhyolite 01PH516A																							
A,4,e	0.014	165	0.950	1.6	0.6221	92.06%	4	4.47	228	0.308	0.047271	5.214	0.042152	5.465	0.006467	1.018	0.334	62.95	124.10	41.92	2.24	41.56	0.42
B,5,r	0.014	396	0.226	12.3	5.5515	92.15%	3	39.80	224	0.092	0.063811	19.697	0.211107	21.337	0.023994	3.886	0.497	735.38	416.94	194.48	37.76	152.85	5.87
C,7,r	0.015	188	0.632	4.9	2.5801	97.37%	12	5.80	682	0.217	0.052957	1.108	0.160351	1.223	0.021961	0.319	0.474	326.95	25.15	151.01	1.72	140.04	0.44
D,9,s	0.014	353	0.248	15.8	8.7056	99.66%	86	2.54	5007	0.128	0.091492	0.219	0.533061	0.352	0.042257	0.224	0.798	1456.85	4.17	433.84	1.24	266.81	0.59
E,4,s,r	0.008	180	0.581	11.5	3.4930	99.03%	31	2.87	1813	0.185	0.054375	1.589	0.437185	1.824	0.058313	0.703	0.505	386.60	35.69	368.27	5.64	365.36	2.50
Gabbro at Elk Creek 01PH503A																							
A,6,s	0.012	111	0.462	0.9	0.3045	89.19%	2	3.05	162	0.149	0.046868	14.405	0.035407	15.266	0.005479	1.163	0.758	42.52	344.03	35.33	5.30	35.22	0.41
B,9,s	0.012	283	0.420	1.9	0.7832	94.78%	5	3.59	343	0.136	0.047018	5.092	0.035963	5.405	0.005548	0.621	0.546	50.13	121.45	35.88	1.91	35.66	0.22
C,11,s	0.011	103	0.519	1.0	0.2606	84.52%	2	4.02	114	0.171	0.047878	17.386	0.036506	17.989	0.005530	1.313	0.488	93.24	411.33	36.41	6.43	35.55	0.46

(a) A, B etc. are labels for multigrain zircon fractions; number of grains listed after fraction name, and, abr - air abraded, e - elongate, s - stubby, r - rounded.

(b) Fraction weights have an estimated uncertainty of ±2 μg.

(c) U and total Pb concentrations subject to weighing uncertainty.

(d) Model Th/U ratio calculated from radiogenic 208Pb/206Pb ratio and 207Pb/235U age.

(e) Pb* and Pbc represent radiogenic and common Pb, respectively; mol % ^{206}Pb* with respect to radiogenic, blank and initial common Pb.

(f) Measured ratio corrected for spike and fractionation only. Mass discrimination of 0.37±0.05%/amu based on analysis of NBS-981; all Daly analyses.

(g) Corrected for fractionation, spike, and common Pb; up to 11 pg of common Pb was assumed to be procedural blank: 206Pb/204Pb = 17.4 ± 3.0%; 207Pb/204Pb = 15.80 ± 3.0%; 208Pb/204Pb = 36.4 ± 1.0% (1-sigma uncertainties). Excess over blank was assigned to initial common Pb with Stacey-Kramers model Pb composition at the interpreted age or 207Pb/206Pb age of the fraction. Stacey and Kramers, 1975.

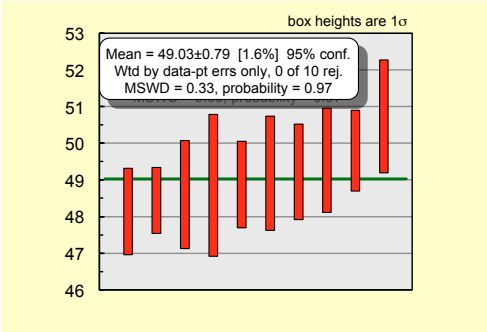
(h) Errors are 2-sigma, propagated using the algorithms of Schmitz and Schoene (2007) and Crowley et al. (2007).

(i) Calculations are based on the decay constants of Jaffey et al. (1971). 206Pb/238U and 207Pb/206Pb ages corrected for initial disequilibrium in 230Th/238U using Th/U [magma] = 3.

(j) Corrected for fractionation, spike, and blank Pb only.

Spot Name	% comm 206	ppm U	ppm Th	232Th /238U	207corr 206Pb /238U Age, Ma	1s err	Total 238 /206	% err	Total 207 /206	% err
SRV rhyolite ash flow										
286-1.1	7.90	54	20	0.37	45.3	1.6	130.66	3.2	.1095	7.3
286-2.1	4.77	108	51	0.49	46.6	1.1	131.29	2.3	.0847	6.0
286-3.1	4.52	100	76	0.79	48.1	1.2	127.41	2.3	.0827	5.9
286-4.1	21.91	62	43	0.72	45.9	2.2	109.24	2.7	.2204	4.7
286-5.1	4.19	112	88	0.81	49.8	1.1	123.58	2.1	.0802	5.5
286-6.1	6.57	89	43	0.50	54.3	1.6	110.37	2.5	.0992	8.7
286-6.2	4.16	119	93	0.81	48.9	1.2	125.97	2.0	.0799	11.6
286-7.1	9.86	52	20	0.41	44.4	1.8	130.48	3.2	.1249	11.8
286-7.2	9.36	45	24	0.55	48.8	1.9	119.17	3.5	.1211	8.3
286-8.1	4.50	111	86	0.80	46.3	1.2	132.49	2.4	.0825	7.3
286-8.2	2.33	101	61	0.62	49.2	1.3	127.46	2.6	.0654	7.4
286-9.1	2.92	72	53	0.76	48.6	1.5	128.30	2.8	.0701	11.8
286-9.2	2.73	64	35	0.57	50.7	1.5	123.13	2.9	.0686	9.0
286-10.1	2.76	71	48	0.70	49.5	1.4	126.09	2.8	.0688	8.5
286-11.1	4.04	72	36	0.52	49.2	1.6	125.33	2.9	.0790	11.8
286-12.1	7.70	62	31	0.51	44.3	1.5	133.99	3.1	.1078	8.0
286-13.1	0.71	176	113	0.66	48.4	0.9	131.67	1.8	.0526	7.8
286-14.1	2.63	144	82	0.58	45.8	1.0	136.65	2.0	.0677	6.6
weighted average (10 meas., excluding yellow)					49.0	0.8				
Grays R. Vol. pluton										
294-1.1	6.40	79	47	0.61	40.8	1.3	147.48	2.9	.0975	7.6
294-2.1	1.48	135	98	0.75	40.5	0.9	156.18	2.2	.0585	8.0
294-3.1	2.02	150	114	0.79	42.2	1.0	149.31	2.1	.0628	11.0
294-4.1	7.03	87	49	0.58	39.5	1.2	151.40	2.8	.1024	7.6
294-5.1	6.14	57	27	0.49	38.5	1.6	156.67	3.7	.0954	13.0
294-6.1	6.71	51	29	0.58	37.7	1.4	158.93	3.5	.0999	9.3
294-7.1	4.43	86	56	0.66	38.8	1.1	158.35	2.7	.0819	8.4
294-8.1	2.25	111	67	0.62	41.4	1.0	151.55	2.3	.0646	7.9
294-9.1	4.63	66	37	0.57	38.2	1.3	160.46	3.1	.0834	9.6
294-10.1	0.49	283	338	1.24	41.7	0.6	153.41	1.5	.0507	5.6
294-11.1	1.14	121	77	0.66	39.9	0.9	159.23	2.2	.0558	8.2
294-12.1	0.91	294	324	1.14	40.7	0.6	156.59	1.4	.0540	5.6
294-13.1	1.09	246	240	1.01	37.0	0.7	171.98	1.8	.0554	5.7
294-14.1	1.00	192	173	0.93	40.1	0.8	158.72	2.0	.0547	6.4
294-15.1	5.60	1587	840	0.55	39.0	0.8	155.59	1.7	.0911	7.7
294-16.1	2.14	121	88	0.75	37.6	1.0	167.20	2.6	.0637	9.8
weighted average					40.0	1.0				

JW96- 286 Siletz R. Vol. Rhyolite



JW 96-294 Grays River Qtz monzonite

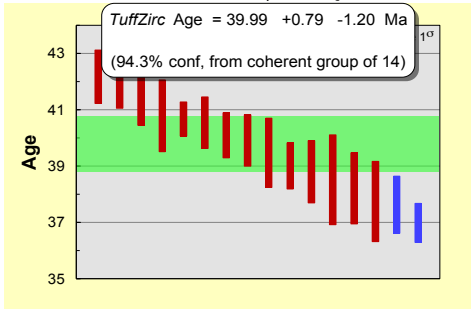


Table DR5 SHRIMP Detrital Zircon U-Pb ages page1

Spot Name	% comm 206	ppm U	ppm Th	232Th /238U	204corr 206Pb /238U Age	1s err	207corr 206Pb /238U Age	1s err	204corr 207Pb /206Pb Age	1s err	Best Age	1s err	Total 238 /206	% err	Total 207 /206	% err	238/ 206r	% err	207r /206r	% err	207r /235	% err	206r /238	% err	err corr
Tyee Fm Coquille R.																									
437-1.1	-0.76	613	390	0.66	2615.9	19.5	2633.1	26.8	2564	8	2564	8	2.00	0.9	.1711	0.5	2.00	0.9	.1707	0.5	11.78	1.0	.5005	0.9	.881
437-2.1	1.24	110	39	0.36	179.4	5.9	187.6	4.9			187.6	4.9	33.44	2.6	.0598	5.9	35.43	3.4					.0282	3.4	
437-3.1	0.97	212	83	0.40	172.8	3.3	172.4	2.9			172.4	2.9	36.54	1.6	.0572	7.4	36.80	1.9	.0515	17.9	0.19	18.0	.0272	1.9	.107
437-4.1	0.15	565	161	0.29	149.9	2.1	152.1	1.8			152.1	1.8	41.83	1.2	.0503	2.6	42.51	1.4	.0374	16.9	0.12	16.9	.0235	1.4	.084
437-5.1	0.72	276	310	1.16	50.6	1.6	51.5	1.2			51.5	1.2	123.74	2.2	.0528	6.1	126.91	3.1	.0326	56.0	0.04	56.1	.0079	3.1	.056
437-6.1	0.23	884	206	0.24	85.7	1.2	86.6	1.1			86.6	1.1	73.75	1.2	.0496	2.7	74.75	1.4	.0389	14.9	0.07	15.0	.0134	1.4	.095
437-7.1	5.09	678	113	0.17	424.4	4.1	403.7	4.7	1537	20	1537	20	14.68	1.0	.0959	1.0	14.69	1.0	.0954	1.1	0.90	1.4	.0681	1.0	.683
437-8.1	1.39	101	27	0.28	212.7	5.1	213.6	4.5			213.6	4.5	29.26	2.1	.0615	4.5	29.81	2.4	.0469	21.7	0.22	21.8	.0336	2.4	.111
437-10.1	2.85	121	64	0.55	42.6	2.1	46.6	1.6			46.6	1.6	134.03	3.4	.0695	8.2	150.78	4.8					.0066	4.8	
437-11.1	4.89	104	100	1.00	42.6	4.0	46.0	1.7			46.0	1.7	132.82	3.5	.0856	8.4	151.00	9.5					.0066	9.5	
437-12.1	3.89	62	39	0.64	1398.2	27.7	1341.5	39.1	2021	242	2021	242	4.15	2.2	.1193	14.1	4.13	2.2	.1244	13.7	4.16	13.8	.2422	2.2	.159
437-13.1	0.04	185	284	1.59	1772.3	17.9	1770.8	20.1	1785	17	1785	17	3.16	1.2	.1086	0.9	3.16	1.2	.1091	1.0	4.76	1.5	.3164	1.2	.771
437-14.1	0.87	1864	191	0.11	1225.6	9.5	1215.9	10.0	1385	7	1385	7	4.78	0.9	.0881	0.3	4.78	0.9	.0881	0.4	2.54	0.9	.2094	0.9	.918
437-15.1	2.41			0.50	127.2	3.9	121.7	3.5			121.7	3.5	48.98	2.7	.1064	3.3	50.19	3.1	.0864	15.0	0.24	15.3	.0199	3.1	.203
437-16.1	-1.90	279	85	0.32	53.7	1.6	52.4	1.4			52.4	1.4	121.73	2.7	.0523	6.2	119.46	2.9	.0684	15.3	0.08	15.5	.0084	2.9	.189
437-17.1	0.05	682	444	0.67	1498.0	24.1	1508.4	26.4	1374	12	1374	12	3.82	1.8	.0880	0.5	3.82	1.8	.0876	0.6	3.16	1.9	.2616	1.8	.945
437-18.1	4.26	143	75	0.54	48.6	2.3	50.3	1.8			50.3	1.8	126.59	3.5	.0548	17.8	132.22	4.7					.0076	4.7	
437-19.1	0.22	227	92	0.42	1794.9	29.6	1812.7	34.0	1654	21	1654	21	3.11	1.9	.1034	0.8	3.11	1.9	.1016	1.1	4.50	2.2	.3211	1.9	.862
437-20.1	0.24	167	67	0.41	1325.3	23.4	1320.9	24.9	1389	23	1389	23	4.37	2.0	.0903	1.1	4.38	2.0	.0883	1.2	2.78	2.3	.2283	2.0	.849
437-21.1	0.00	1787	389	0.22	1463.6	22.9	1473.0	25.0	1345	14	1345	14	3.92	1.7	.0863	0.7	3.92	1.7	.0863	0.7	3.03	1.9	.2549	1.7	.923
437-22.1	1.37	141	158	1.16	120.4	3.4	120.5	3.2			120.5	3.2	52.31	2.7	.0600	5.3	53.03	2.9	.0481	20.2	0.13	20.4	.0189	2.9	.141
437-23.1	0.07	812	520	0.66					1388	12	1388	12	1.61	1.9	.0888	0.5	1.61	1.9	.0883	0.6	7.56	2.0	.6211	1.9	.951
437-24.1	0.00	462	196	0.44	76.2	1.7	75.8	1.7			75.8	1.7	84.15	2.3	.0517	4.8	84.15	2.3	.0517	4.8	0.08	5.3	.0119	2.3	.428
437-25.1	1.30			1.39	115.4	3.5	114.3	3.5			114.3	3.5	54.63	3.0	.0685	5.8	55.35	3.1	.0573	12.6	0.14	12.9	.0181	3.1	.239
437-26.1	1.44	421	357	0.88	73.1	1.9	74.2	1.7			74.2	1.7	86.39	2.3	.0474	4.3	87.66	2.5	.0347	30.8	0.05	30.9	.0114	2.5	.082
437-27.1	0.00	603	98	0.17	370.4	6.9	350.9	7.0	1631	32	1631	32	16.91	1.9	.1004	1.7	16.91	1.9	.1004	1.7	0.82	2.6	.0591	1.9	.739
437-28.1	-0.59	666	290	0.45	87.6	1.7	86.9	1.7			86.9	1.7	73.52	2.0	.0498	2.8	73.09	2.0	.0548	2.8	0.10	3.4	.0137	2.0	.575
437-29.1	1.36	124	14	0.12	122.0	4.2	122.3	3.4			122.3	3.4	51.62	2.8	.0585	5.7	52.33	3.4	.0467	38.6	0.12	38.7	.0191	3.4	.089
437-30.1	5.42			0.96	220.1	6.4	214.7	5.7			214.7	5.7	27.23	2.5	.1179	2.2	28.79	2.9	.0721	20.4	0.35	20.6	.0347	2.9	.143
437-31.1	0.15	615	91	0.15	99.1	2.0	99.0	2.0			99.0	2.0	64.44	2.0	.0500	2.9	64.54	2.1	.0487	9.4	0.10	9.6	.0155	2.1	.215
437-32.1	0.06	173	28	0.17	1086.6	19.6	1085.6	20.4	1107	48	1107	48	5.44	2.0	.0770	1.3	5.45	2.0	.0764	2.4	1.94	3.1	.1836	2.0	.635
437-33.1	-0.05	327	150	0.47	1877.3	29.8	1896.8	34.8	1740	13	1740	13	2.96	1.8	.1061	0.6	2.96	1.8	.1065	0.7	4.96	2.0	.3381	1.8	.932
437-34.1	0.48			0.61	373.5	9.3	366.2	9.3	965	55	965	55	16.68	2.5	.0753	2.4	16.76	2.6	.0713	2.7	0.59	3.7	.0596	2.6	.685
437-35.1	-1.56	120	49	0.42	206.5	5.5	202.8	5.1			202.8	5.1	31.19	2.5	.0530	4.7	30.71	2.7	.0663	14.0	0.30	14.3	.0326	2.7	.190
437-36.1	-2.64	135	43	0.33	218.4	6.1	212.1	5.3			212.1	5.3	29.79	2.5	.0533	4.7	29.02	2.8	.0756	15.6	0.36	15.8	.0345	2.8	.179
437-37.1	-4.70	322	209	0.67	51.8	1.9	40.5	1.6			40.5	1.6	129.85	2.7	.2051	4.0	124.02	3.7	.2370	8.4	0.26	9.2	.0081	3.7	.406
437-38.1	3.34			1.19	259.3	7.8	256.5	6.5			256.5	6.5	23.55	2.5	.0896	2.4	24.36	3.1	.0610	25.8	0.35	25.9	.0411	3.1	.118
437-39.1	3.87	217	77	0.37	51.8	2.6	50.7	1.9			50.7	1.9	119.22	3.5	.0974	6.1	124.02	5.1	.0645	49.4	0.07	49.7	.0081	5.1	.102
437-40.1	2.93	277	195	0.73	2468.0	22.7	2408.3	29.4	2665	8	2665	8	2.14	1.1	.1816	0.5	2.14	1.1	.1813	0.5	11.66	1.2	.4664	1.1	.912
437-41.1	3.23	118	111	0.97	50.1	1.8	48.2	1.8			48.2	1.8	129.00	3.6	.0725	9.0	128.26	3.6					.0078	3.6	
437-40.2	4.23	986	269	0.28	2178.9	10.9	2100.3	16.6	2532	12	2532	12	2.49	0.6	.1674	0.7	2.49	0.6	.1674	0.7	9.28	0.9	.4021	0.6	.639
437-42.1	0.22	1955	1449	0.77	48.6	0.3	48.0	0.3			48.0	0.3	133.53	0.7	.0487	2.5	132.18	0.7	.0567	2.9	0.06	3.0	.0076	0.7	.232
437-43.1	2.29	414	390	0.97	43.8	1.0	44.0	0.9			44.0	0.9	142.82	2.0	.0650	5.3	146.57	2.3	.0447	20.4	0.04	20.5	.0068	2.3	.111
437-44.1	0.44	313	131	0.43	150.0	1.8	149.8	1.8			149.8	1.8	42.36	1.2	.0526	3.5	42.47	1.2	.0506	4.1	0.16	4.3	.0235	1.2	.283
437-45.1	0.66	202	144	0.74	92.9	1.6	92.9	1.6			92.9	1.6	68.44	1.7	.0531	5.5	68.89	1.8	.0479	8.9	0.10	9.1	.0145	1.8	.192
437-46.1	0.30	355	264	0.77	87.2	1.7	85.3	1.2			85.3	1.2	74.82	1.3	.0501	4.6	73.45	2.0	.0646	18.5	0.12	18.6	.0136	2.0	.108
437-9.2	-0.02	488	173	0.37	73.5	1.4	75.5	1.2			75.5	1.2	84.86	1.6	.0474	5.5	87.21	1.9	.0254	39.6	0.04	39.7	.0115	1.9	.049
437-47.1	5.32	112	44	0.41	50.3	6.1	39.5	1.9			39.5	1.9	154.24	4.0	.0889	21.3	127.78	12.3	.2175	34.7	0.23	36.8	.0078	12.3	.333
437-48.1	1.99	148	54	0.38	36.2	4.6	30.5	1.7			30.5	1.7	206.94	5.4	.0623	15.7	177.34	12.8	.1732	45.7	0.13	47.4	.0056	12.8	.270
Tyee Fm Wilson R.																									
290-1.1	0.11	326	42	0.13	1598.3	26.3	1580.3	28.7	1767	20	1767	20	3.55	1.9	.1089	1.0	3.55	1.9	.1081	1.1	4.19	2.1	.2814	1.9	.865
290-2.1	-0.09	334	148	0.46	177.7	3.7	177.3	3.7			177.3	3.7	35.81	2.1	.0510	3.2	35.78	2.1	.0518	3.4	0.20	4.0	.0279	2.1	.534
290-3.1	0.01	286	122	0.44	1384.1	24.5	1387.2	26.4	1341	19	1341	19	4.17	2.0	.0862	1.0	4.18	2.0	.0861	1.0	2.84	2.2	.2395	2.0	.893
290-4.1	1.46	188	62	0.34	76.5	2.3	75.9	2.3			75.9	2.3	82.58	3.0	.0664	6.0	83.81	3.1	.0538	15.1	0.09	15.4	.0119	3.1	.199
290-5.1	0.34	77	46	0.62	1841.9	36.4	1858.7	42.1	1718	32	1718	32	3.01	2.3	.1080	1.5	3.02	2.3	.1052	1.7	4.80	2.9	.3307	2.3	.797
290-6.1	-1.31	373	138	0.38	54.6	1.7	53.3	1.6			53.3	1.6	119.12	3.0	.0562	5.7	117.58	3.2	.0673	14.3	0.08	14.6	.0085	3.2	.220
290-7.1	-0.10	195	96	0.51	181.6	4.8	180.4	4.8			180.4	4.8	35.04	2.7	.0545	4.2	35.00	2.7	.0553	4.2	0.22	4.9	.0286	2.7	.538
290-8.1	0.10	189	176	0.96	1532.8	26.8	1531.4	29.3	1548	23	1548	23	3.72	2.0	.0969	1.1	3.73	2.0	.0960	1.2	3.55	2.3	.2684	2.0	.850
290-9.1	0.61	125	47	0.39	47.5	2.0	46.6	1.9			46.6	1.9	134.37	4.0	.0688	9.5	135.19	4.2	.0636	18.6	0.06	19.0	.0074	4.2	.220
290-10.1	-0.02	820	92	0.12	1320.2	21.2	1317.2	22.6	1365	11	1365	11	4.40	1.8	.0871	0.6	4.40	1.8	.0872	0.6	2.73	1.9	.2273	1.8	.950
290-11.1	0.15			0.17	810.8	17.3	800.0	17.7	1144	34	1144	34	7.45	2.3	.0791	1.3	7.46	2.3	.0779	1.7	1.44	2.8	.1340	2.3	.801
290-12.1	1.12	81	60	0.76	74.2	3.2	73.2	3.2			73.2	3.2	85.40	4.3	.0688	9.8	86.36	4.4	.0592	19.2	0.09	19.7	.0116	4.4	.223
290-13.1	0.03	874	326	0.39	1597.8	25.1	1580.0	27.4	1765	12	1765	12	3.55	1.8	.1082	0.7	3.56	1.8	.1079	0.7	4.19	1.9	.2813	1.8	.938
290-14.1	-0.97	468	284	0.63	47.2	1.2	46.4	1.2			46.4	1.2	137.34	2.6	.0543	5.5	136.02	2.6	.0626	5.1	0.06	5.7	.0074	2.6	.456
290-15.1	0.06	1142	132	0.12	498.8	8.6	483.6	8.7	1289	20	1289	20	12.42	1.8	.0844	0.9	12.43	1.8	.0839	1.0	0.93	2.1	.0804	1.8	.868
290-16.1	7.49	192	148	0.80	48.5	2.5	51.1	1.7			51.1	1.7	122.60	3.2	.0689	6.5	132.53	5.2					.0075	5.2	
290-17.1	3.87	217	41	0.19	1717.0	30.7	1711.8	34.5	1760	113	1760	113	3.15	2.0	.1390	1.8	3.28	2.0	.1076	6.2	4.53	6.5	.3052	2.0	.313
290-18.1	0.00	218	62	0.29	44.0	1.5	43.3	1.5			43.3	1.5	145.99	3.4	.0618	7.6	145.99	3.4	.0618	7.6	0.06	8.3	.0068	3.4	.404
290-19.1	8.16	336	266	0.82	46.4	2.5	48.6	2.4			48.6	2.4	127.23	4.6	.0787	17.1	138.54	5.4					.0072	5.4	
290-20.1	0.05	230	64	0.29	1709.2	28.8	1709.8	32.3	1704	17	1704	17	3.29	1.9	.1048	0.9	3.29	1.9	.1044	0.9	4.37	2.1	.3036	1.9	.901
290-21.1	0.00	336	235	0.72	100.3	2.4	100.3	2.4			100.3	2.4	63.80	2.4	.0477	4.6	63.80	2.4	.0477	4.6	0.10	5.2	.0157	2.4	.457
290-22.1	0.88	613	486	0.82	48.6	1.3	49.0	1.3			49.0	1.3	131.11	2.7	.0473	5.1	132.27	2.7	.0396	8.8	0.04	9.3	.0076	2.7	.292
290-23.1	1.95	145	78	0.56	73.3	2.9	73.5	2.4			73.5	2.4	85.78	3.2	.0621	6.9	87.49	3.9	.0451	43.6	0.07	43.8	.0114	3.9	.089
290-24.1	0.00	172	76	0.46	94.3	2.6	93.7	2.6			93.7	2.6	67.85	2.8	.0532	6.0	67.85	2.8	.0532	6.0	0.11	6.7	.0147	2.8	.423
290-25.1	0.28	214	107	0.52	1451.6	25.1	1458.6	27.3	1364	32	1364	32	3.95	1.9	.0895	1.0	3.96	1.9	.0872	1.6	3.04	2.5	.2526	1.9	.762
290-26.1	0.14	210	113	0.56	176.8	4.1	176.3	4.0			176.3	4.0	35.91	2.3	.0535	3.9	35.96	2.4	.0522	9.6	0.20	9.9	.0278	2.4	.239
290-27.1	-0.21	212	76	0.37	205.2	4.6	204.8	4.6			204.8	4.6	30.98	2.2	.0504	3.7	30.91	2.3	.0522	4.7	0.23	5.3	.0323	2.3	.429
290-28.1	-2.79	234	126	0.55	48.2	2.0	45.9	1.7			45.9	1.7	136.97	3.7	.0658	6.8	133.24	4.2	.0889	19.3	0.09	19.8	.0075	4.2	.214
290-29.1	0.60	1180	232	0.20	94.2	1.8	94.5	1.8			94.5	1.8	67.53	1.9	.0500	2.5	67.94	2.0	.0447	7.5	0.09	7.8	.0147	2.0	.254
290-30.1	-0.03	1374	677	0.51	1496.8	23.7	1467.6	25.5	1800	15	1800	15	3.83	1.8	.1098	0.8	3.83	1.8	.1100	0.8	3.97	1.9	.2614	1.8	.909
290-31.1	0.02	910	113	0.13	578.7	10.0	562.2	10.1	1301	23	1301	23	10.65	1.8	.0846	1.1	10.65	1.8	.0844	1.2	1.09	2.2	.0939	1.8	.836
290-32.1	8.31	418	284	0.70	45.0	2.0	45.0	1.4			45.0	1.4	130.85	2.7	.1194	7.3	142.71	4.4	.0472	69.8	0.05	70.0	.0070	4.4	.063
290-33.1	-0.14	1238	524	0.44	167.4	3.1	167.2	3.1			167.2	3.1	38.08	1.8	.0488	1.8	38.02	1.9	.0500	4.8	0.18	5.1	.0263	1.9	.362
290-34.1	0.05	193	126	0.67	555.4	11.2	553.8	11.4			553.8	11.4	11.11	2.1	.0618	3.6	11.11	2.1	.0613	4.9	0.76	5.4	.0900	2.1	.392
290-35.1	0.66	172	59	0.35	1773.3	33.5	1764.5	38.1	1684	36	1684	36	3.14	2.2	.1086	1.0	3.16	2.2	.1033	2.0	4.51	2.9	.3166	2.2	.742
290-36.1	1.33	186	122	0.68	149.5	5.8	146.3	5.9			146.3	5.9	42.05	3.9	.0795	13.5	42.61	4.0	.0682	18.8	0.22	19.2	.0235	4.0	.206
290-37.1	-0.29	625	60	0.10	119.6	2.5	118.5	2.4			118.5	2.4	53.56	2.0	.0537	3.0	53.41	2.1	.0562	5.7	0.15	6.1	.0187	2.1	.340
290-38.1	1.74	296	119	0.41	84.5	2.6	84.8	2.2			84.8	2.2	74.45	2.5	.0596	4.9	75.77	3.1	.0444	34.2	0.08	34.4	.0132	3.1	.089
290-39.1	0.03	403	189	0.49	1635.8	26.7	1618.8	29.3	1788	13	1788	13	3.46	1.8	.1096	0.7	3.46	1.8	.1093	0.7	4.35	2.0	.2889	1.8	.931
290-40.1	0.03	515	308	0.62	2156.4	34.3	2083.0	41.5	2459	8	2459	8	2.52	1.9	.1605	0.5	2.52	1.9	.1603	0.5	8.78	1.9	.3973	1.9	.967
290-41.1	0.71	293	109	0.38	105.1	1.8	102.2	1.2			102.2	1.2	62.14	1.2	.0537	3.7	60.86	1.8	.0700	15.3	0.16	15.4	.0164	1.8	.115
290-42.1	1.09	865	36	0.04	1622.8	7.2	1606.7	8.1	1778	11	1778	11	3.49	0.5	.1085	0.4	3.49	0.5	.1087	0.6	4.29	0.8	.2863	0.5	.643
290-43.1	0.79	369	239	0.67	47.6	0.8	47.6	0.8			47.6	0.8	133.94	1.6	.0532	5.7	134.91	1.7	.0475	11.5	0.05	11.6	.0074	1.7	.145
290-44.1	0.36	4157	5086	1.26	123.0	0.4	122.8	0.4			122.8	0.4	51.82	0.3	.0513	1.0	51.93	0.4	.0496	1.9	0.13	1.9	.0193	0.4	.185
290-45.1	0.55	539	296	0.57	91.1	1.0	89.7	1.0			89.7	1.0	70.94	1.1	.0522	3.4	70.30	1.1	.0593	3.4	0.12	3.6	.0142	1.1	.295
290-46.1	1.44	227	133	0.60	46.4	1.5	48.4	1.0			48.4	1.0	130.80	2.1	.0584	6.9	138.38	3.2					.0072	3.2	
290-47.1	1.64	188	77	0.42	48.6	1.5	50.0	1.2			50.0	1.2	126.39	2.3	.0600	7.5	132.11	3.0					.0076	3.0	
290-48.1	0.28	661	81	0.13	1766.7	10.9	1761.7	12.2	1809	16	1809	16	3.17	0.7	.1102	0.8	3.17	0.7	.1106	0.9	4.81	1.1	.3153	0.7	.637
290-49.1	-0.79	258	96	0.39	1508.9	15.6	1518.8	17.1	1388	23	1388	23	3.79	1.2	.0877	1.0	3.79	1.2	.0882	1.2	3.21	1.7	.2637	1.2	.689
290-50.1	0.42	440	209	0.49	406.0	3.2	405.1	3.2			405.1	3.2	15.35	0.8	.0582	1.7	15.38	0.8	.0566	2.3	0.51	2.5	.0650	0.8	.327
Blue Mt Unit Bukhorn Mt																									
440-1.1	0.12	449	135	0.31	1322.4	21.9	1316.5	23.3	1407	24	1407	24	4.39	1.8	.0901	0.9	4.39	1.8	.0891	1.3	2.80	2.2	.2277	1.8	.825
440-2.1	1.38	295	138	0.48	101.0	2.5	101.1	2.5			101.1	2.5	62.45	2.4	.0589	4.5	63.33	2.5	.0468	15.1	0.10	15.3	.0158	2.5	.165
440-3.1	2.40	211	101	0.50	165.2	4.3	168.2	4.1			168.2	4.1	37.59	2.4	.0546	5.6	38.52	2.7	.0334	31.7	0.12	31.8	.0260	2.7	.084
440-4.1	2.37	71	37	0.55	131.6	5.9	131.1	5.7			131.1	5.7	47.35	4.3	.0723	7.6	48.50	4.5	.0518	24.7	0.15	25.1	.0206	4.5	.179
440-5.1	1.94	100	27	0.28	129.4	5.0	129.1	4.3			129.1	4.3	48.36	3.3	.0673	6.6	49.32	3.9	.0504	38.7	0.14	38.9	.0203	3.9	.101
440-6.1	6.84	78	21	0.29	168.5	8.1	176.1	5.6			176.1	5.6	35.17	3.2	.0723	5.9	37.75	4.9					.0265	4.9	
440-7.1	1.54	127	51	0.42	94.0	3.7	93.9	3.1			93.9	3.1	67.05	3.3	.0620	7.3	68.10	4.0	.0486	40.9	0.10	41.0	.0147	4.0	.096
440-8.1	0.72	112	38	0.35	154.5	4.7	153.0	4.5			153.0	4.5	40.93	2.9	.0637	5.7	41.22	3.1	.0575	18.1	0.19	18.4	.0243	3.1	.169

Table DR-5 SHRIMP Detrital Zircon U-Pb ages page 2

440-9.1	2.13	206	145	0.73	73.0	2.3	73.7	2.3			73.7	2.3	85.94	3.1	.0583	6.9	87.81	3.1	.0397	12.2	0.06	12.6	.0114	3.1	.250
440-10.1	-0.08	131	61	0.48	119.9	3.6	118.5	3.6			118.5	3.6	53.29	3.0	.0587	6.3	53.24	3.0	.0593	6.3	0.15	7.0	.0188	3.0	.429
440-11.1	-0.06	907	127	0.14	801.1	13.7	782.8	13.9	1337	16	1337	16	7.56	1.8	.0855	0.7	7.56	1.8	.0860	0.8	1.57	2.0	.1323	1.8	.909
440-12.1	0.02	509	138	0.28	1288.1	21.3	1282.4	22.6	1375	20	1375	20	4.52	1.8	.0879	1.0	4.52	1.8	.0877	1.0	2.67	2.1	.2212	1.8	.869
440-13.1	0.00	129	49	0.40	167.5	5.0	165.6	5.1			165.6	5.1	37.99	3.0	.0594	6.3	37.99	3.0	.0594	6.3	0.22	7.0	.0263	3.0	.437
440-14.1	-0.15	209	62	0.31	155.0	3.8	153.8	3.8			153.8	3.8	41.14	2.4	.0551	4.6	41.08	2.5	.0564	5.1	0.19	5.7	.0243	2.5	.433
440-15.1	2.90	272	162	0.62	76.1	2.0	77.6	2.0			77.6	2.0	81.76	2.6	.0566	5.2	84.21	2.6	.0309	14.9	0.05	15.2	.0119	2.6	.172
440-16.1	1.67	92	33	0.37	133.7	4.4	134.1	4.3			134.1	4.3	46.92	3.2	.0607	6.8	47.71	3.3	.0461	19.5	0.13	19.8	.0210	3.3	.168
440-17.1	-0.52	75	29	0.40	180.0	5.5	178.0	5.5			178.0	5.5	35.49	3.1	.0552	6.7	35.31	3.1	.0597	7.9	0.23	8.5	.0283	3.1	.362
440-18.1	0.61	565	79	0.14	71.5	1.8	71.7	1.8			71.7	1.8	89.16	2.6	.0503	4.5	89.71	2.6	.0449	8.1	0.07	8.6	.0111	2.6	.304
440-19.1	1.47	285	84	0.31	145.2	3.3	147.0	3.3			147.0	3.3	43.25	2.2	.0513	3.8	43.90	2.3	.0384	11.4	0.12	11.6	.0228	2.3	.196
440-20.1	-0.13	147	69	0.48	310.4	7.1	308.8	7.2			308.8	7.2	20.30	2.3	.0560	3.7	20.27	2.3	.0571	4.2	0.39	4.8	.0493	2.3	.485
440-21.1	0.40	324	92	0.29	118.8	3.1	119.2	3.0			119.2	3.0	53.53	2.5	.0492	4.3	53.75	2.7	.0458	15.8	0.12	16.1	.0186	2.7	.166
440-22.1	2.28	286	107	0.39	109.2	2.7	111.4	2.6			111.4	2.6	57.18	2.3	.0509	4.8	58.52	2.5	.0307	27.1	0.07	27.2	.0171	2.5	.091
440-11.2	0.05	864	207	0.22	1121.5	18.5	1114.2	19.3	1262	21	1262	21	5.26	1.8	.0831	1.1	5.26	1.8	.0827	1.1	2.17	2.1	.1900	1.8	.853
440-23.1	2.62	67	30	0.46	267.5	9.1	271.4	8.0			271.4	8.0	22.99	2.9	.0616	5.6	23.60	3.5	.0386	43.8	0.23	44.0	.0424	3.5	.079
440-24.1	0.78	300	136	0.47	64.6	1.8	64.1	1.7			64.1	1.7	98.47	2.7	.0617	5.3	99.25	2.8	.0549	15.0	0.08	15.3	.0101	2.8	.183
440-25.1	1.67	475	237	0.52	68.4	1.6	69.1	1.6			69.1	1.6	92.19	2.3	.0535	4.0	93.76	2.4	.0388	21.1	0.06	21.3	.0107	2.4	.114
440-26.1	0.09	425	81	0.20	1782.3	29.2	1786.3	33.1	1752	15	1752	15	3.14	1.9	.1078	0.7	3.14	1.9	.1072	0.8	4.71	2.0	.3185	1.9	.919
440-27.1	0.00	1075	321	0.31	1525.8	24.2	1515.7	26.2	1632	8	1632	8	3.74	1.8	.1005	0.4	3.74	1.8	.1004	0.4	3.70	1.8	.2670	1.8	.970
440-28.1	0.12	209	91	0.45	70.9	2.7	69.6	2.5			69.6	2.5	90.29	3.5	.0649	6.5	90.40	3.8	.0639	20.4	0.10	20.7	.0111	3.8	.185
440-29.1	1.45	232	73	0.32	117.7	3.4	118.1	3.3			118.1	3.3	53.48	2.8	.0578	4.5	54.27	2.9	.0452	16.3	0.11	16.5	.0184	2.9	.174
440-30.1	-3.22	368	199	0.56	50.6	1.6	48.3	1.3			48.3	1.3	130.90	2.7	.0603	5.6	126.82	3.2	.0870	18.0	0.09	18.3	.0079	3.2	.176
440-31.1	2.38	182	82	0.47	48.0	1.8	47.9	1.7			47.9	1.7	130.52	3.4	.0703	7.2	133.69	3.7	.0497	25.3	0.05	25.6	.0075	3.7	.144
440-32.1	2.79	111	51	0.47	98.7	3.5	98.3	3.3			98.3	3.3	62.98	3.2	.0762	11.2	64.79	3.6	.0521	31.1	0.11	31.3	.0154	3.6	.114
440-33.1	1.13	308	188	0.63	148.8	3.9	149.2	3.6			149.2	3.6	42.33	2.4	.0567	3.6	42.82	2.7	.0469	19.8	0.15	20.0	.0234	2.7	.133
440-34.1	0.03	213	173	0.84	1496.9	27.0	1483.8	29.2	1640	23	1640	23	3.82	2.0	.1011	1.0	3.83	2.0	.1009	1.2	3.63	2.4	.2614	2.0	.856
440-35.1	0.55	394	169	0.44	150.2	3.3	150.7	3.3			150.7	3.3	42.17	2.2	.0510	3.6	42.41	2.2	.0462	4.8	0.15	5.3	.0236	2.2	.423
440-36.1	0.29	181	67	0.38	103.6	3.1	102.0	2.8			102.0	2.8	61.54	2.7	.0641	5.9	61.71	3.0	.0616	18.7	0.14	18.9	.0162	3.0	.157
440-37.1	0.45	441	226	0.53	380.0	7.0	380.7	7.1			380.7	7.1	16.39	1.9	.0566	1.8	16.47	1.9	.0527	3.4	0.44	3.9	.0607	1.9	.487
440-38.1	0.00	2030	358	0.18	119.3	2.2	117.5	2.2			117.5	2.2	53.55	1.9	.0611	1.5	53.55	1.9	.0611	1.5	0.16	2.4	.0187	1.9	.787
JV440-39	0.53	1220	656	0.56	46.3	0.6	46.3	0.6			46.3	0.6	137.99	1.3	.0508	2.8	138.72	1.3	.0462	5.7	0.05	5.9	.0072	1.3	.227
JV440-40	0.25	510	86	0.18	86.0	1.2	85.9	1.2			85.9	1.2	74.29	1.4	.0503	3.4	74.48	1.4	.0481	4.6	0.09	4.8	.0134	1.4	.283
JV440-41	0.10	279	122	0.45	82.8	1.6	81.8	1.4			81.8	1.4	77.25	1.7	.0599	4.4	77.33	1.9	.0590	12.0	0.11	12.1	.0129	1.9	.155
JV440-42	0.00	59	27	0.47	395.1	7.2	392.3	7.4			392.3	7.4	15.82	1.9	.0609	4.2	15.82	1.9	.0609	4.2	0.53	4.6	.0632	1.9	.408
JV440-43	1.21	205	123	0.62	100.2	1.6	100.5	1.5			100.5	1.5	63.08	1.5	.0556	3.5	63.86	1.6	.0451	10.9	0.10	11.0	.0157	1.6	.143
JV440-44	0.12	663	135	0.21	471.0	4.2	452.5	4.7	1448	18	1448	18	13.18	0.9	.0921	0.7	13.19	0.9	.0911	0.9	0.95	1.3	.0758	0.9	.704
JV440-45	2.34	106	34	0.33	186.6	3.1	189.8	3.1			189.8	3.1	33.25	1.6	.0556	3.7	34.04	1.7	.0350	15.5	0.14	15.6	.0294	1.7	.108
JV440-46	1.67	224	101	0.47	77.6	1.4	78.7	1.4			78.7	1.4	81.16	1.7	.0503	5.5	82.54	1.8	.0356	13.6	0.06	13.7	.0121	1.8	.131
JV440-47	-0.29	126	57	0.46	73.5	1.5	71.3	1.5			71.3	1.5	87.48	2.0	.0709	5.1	87.23	2.0	.0733	5.0	0.12	5.4	.0115	2.0	.380
JV440-36R	1.37	177	77	0.45	111.5	1.8	112.1	1.8			112.1	1.8	56.55	1.6	.0553	3.8	57.34	1.7	.0433	13.0	0.10	13.1	.0174	1.7	.127
JV440-48	1.44	137	44	0.33	177.7	2.7	177.2	2.8			177.2	2.8	35.28	1.5	.0641	6.1	35.79	1.6	.0517	10.7	0.20	10.8	.0279	1.6	.144
JV440-49	3.46	206	110	0.55	91.4	1.4	92.8	1.5			92.8	1.5	67.61	1.5	.0654	3.5	70.03	1.6	.0349	14.5	0.07	14.6	.0143	1.6	.108
JV440-50	0.00	85	33	0.41	97.2	2.1	95.0	2.1			95.0	2.1	65.79	2.2	.0677	5.4	65.79	2.2	.0677	5.4	0.14	5.8	.0152	2.2	.379
JV440-51	1.58	261	103	0.41	77.4	1.3	77.8	1.2			77.8	1.2	81.49	1.5	.0570	3.6	82.79	1.7	.0432	18.2	0.07	18.3	.0121	1.7	.095
JV440-52	3.25	88	48	0.56	152.8	3.4	156.3	2.8			156.3	2.8	40.34	1.8	.0575	4.3	41.70	2.3	.0286	44.8	0.09	44.9	.0240	2.3	.050
JV440-53	-0.05	194	217	1.15	1605.9	14.5	1605.3	16.0	1611	14	1611	14	3.54	1.0	.0989	0.7	3.53	1.0	.0993	0.8	3.87	1.3	.2829	1.0	.804
JV440-54	1.07	113	30	0.28	325.7	4.7	328.3	4.5			328.3	4.5	19.09	1.4	.0551	2.7	19.30	1.5	.0457	11.2	0.33	11.3	.0518	1.5	.132
JV440-55	0.64	279	146	0.54	192.5	2.3	193.6	2.3			193.6	2.3	32.77	1.2	.0508	3.8	32.98	1.2	.0452	4.8	0.19	4.9	.0303	1.2	.240
JV440-56	0.00	198	65	0.34	114.8	1.7	114.0	1.7			114.0	1.7	55.63	1.5	.0547	4.1	55.63	1.5	.0547	4.1	0.14	4.4	.0180	1.5	.345
JV440-57	1.78	239	122	0.53	89.0	1.5	90.1	1.3			90.1	1.3	70.65	1.5	.0523	3.7	71.93	1.7	.0366	18.9	0.07	19.0	.0139	1.7	.087
JV440-58	1.01	296	129	0.45	98.7	1.4	99.6	1.4			99.6	1.4	64.17	1.3	.0488	5.4	64.82	1.4	.0399	12.8	0.08	12.9	.0154	1.4	.111
JV440-59	4.91	83	27	0.34	150.4	3.4	156.0	3.0			156.0	3.0	40.28	1.9	.0609	4.8	42.35	2.3	.0167	77.6	0.05	77.7	.0236	2.3	.029
JV440-60	2.11	159	65	0.42	82.7	1.6	83.6	1.5			83.6	1.5	75.81	1.8	.0573	6.0	77.44	2.0	.0387	22.9	0.07	23.0	.0129	2.0	.087
JV440-61	-0.01	333	234	0.73	161.0	1.9	160.3	1.9			160.3	1.9	39.54	1.2	.0531	2.4	39.53	1.2	.0531	2.4	0.19	2.7	.0253	1.2	.444
JV440-62	7.58	99	47	0.49	46.4	2.1	49.2	1.3			49.2	1.3	128.02	2.6	.0635	9.6	138.52	4.5					.0072	4.5	
JV440-63	0.99	390	144	0.38	104.6	1.3	105.5	1.3			105.5	1.3	60.52	1.2	.0490	2.8	61.13	1.3	.0403	6.6	0.09	6.7	.0164	1.3	.187
JV440-64	0.01	773	270	0.36	1573.1	12.3	1560.6	13.5	1697	6	1697	6	3.62	0.9	.1040	0.3	3.62	0.9	.1040	0.3	3.96	0.9	.2764	0.9	.934
JV440-65	1.07	553	47	0.09	85.2	1.0	86.0	1.0			86.0	1.0	74.34	1.2	.0494	3.5	75.14	1.2	.0400	9.3	0.07	9.4	.0133	1.2	.129
JV440-66	0.00	164	42	0.26	401.8	4.6	403.0	4.7			403.0	4.7	15.55	1.2	.0522	2.1	15.55	1.2	.0522	2.1	0.46	2.4	.0643	1.2	.497
JV440-67	0.95	308	110	0.37	109.9	1.5	110.9	1.5			110.9	1.5	57.61	1.3	.0489	3.1	58.16	1.3	.0406	6.4	0.10	6.6	.0172	1.3	.204
JV440-68	1.96	117	64	0.57	120.3	2.1	121.4	2.1			121.4	2.1	52.05	1.7	.0578	4.7	53.09	1.8	.0407	12.6	0.11	12.7	.0188	1.8	.139
JV440-69	2.08	71	24	0.35	160.2	3.4	162.0	3.2			162.0	3.2	38.91	1.9	.0580	4.7	39.73	2.2	.0397	22.2	0.14	22.4	.0252	2.2	.097
JV440-70	0.00	255	113	0.46	167.6	2.1	166.8	2.1			166.8	2.1	37.97	1.2	.0537	4.0	37.97	1.2	.0537	4.0	0.20	4.2	.0263	1.2	.299
Tyee F, Eddyville OR																									
395-1.1	-5.35	51	21	0.43	131.6	5.4	124.6	5.2			124.6	5.2	51.09	4.1	.0510	11.3	48.50	4.2	.0950	8.5	0.27	9.5	.0206	4.2	.439
395-2.1	-0.21	105	43	0.43	1601.7	29.4	1598.6	32.5	1632	25	1632	25	3.55	2.1	.0987	1.4	3.55	2.1	.1004	1.4	3.91	2.5	.2821	2.1	.837
395-3.1	0.12	2357	776	0.34	243.2	4.6	240.8	4.5			240.8	4.5	25.98	1.9	.0605	1.5	26.01	1.9	.0595	2.9	0.32	3.5	.0384	1.9	.545
395-4.1	0.07	1517	903	0.62	113.8	2.2	113.7	2.2			113.7	2.2	56.12	1.9	.0496	2.1	56.16	1.9	.0490	2.5	0.12	3.2	.0178	1.9	.615
395-5.1	-0.07	2293	42	0.02	99.4	1.8	99.0	1.8			99.0	1.8	64.38	1.9	.0509	1.6	64.34	1.9	.0515	1.7	0.11	2.5	.0155	1.9	.740
395-6.1	2.34	272	178	0.68	45.1	2.0	46.0	1.4			46.0	1.4	139.00	3.0	.0513	7.1	142.33	4.5	.0305	99.6	0.03	99.7	.0070	4.5	.045
395-7.1	-0.02	551	78	0.15	1886.5	29.2	1902.0	34.0	1780	10	1780	10	2.94	1.8	.1086	0.5	2.94	1.8	.1088	0.5	5.10	1.9	.3400	1.8	.959
395-8.1	4.22	1023	845	0.85	62.7	1.8	62.9	1.7			62.9	1.7	97.99	2.6	.0809	10.2	102.31	2.9	.0440	35.8	0.06	35.9	.0098	2.9	.082
395-9.1	0.20	433	204	0.49	52.5	1.6	52.4	1.3			52.4	1.3	121.98	2.5	.0505	5.3	122.22	3.1	.0488	33.1	0.06	33.3	.0082	3.1	.093
395-10.1	0.00	645	251	0.40	100.4	2.0	100.1	2.0			100.1	2.0	63.71	2.0	.0506	3.9	63.70	2.0	.0506	3.9	0.11	4.4	.0157	2.0	.465
395-11.1	0.07	384	100	0.27	1356.2	22.3	1355.9	24.0	1361	16	1361	16	4.27	1.8	.0876	0.8	4.27	1.8	.0870	0.8	2.81	2.0	.2342	1.8	.908
395-12.1	0.05	1176	64	0.06	1284.7	20.6	1277.2	21.8	1398	10	1398	10	4.53	1.8	.0891	0.5	4.53	1.8	.0887	0.5	2.70	1.8	.2205	1.8	.958
395-13.1	2.52	335	101	0.31	54.3	1.7	55.5	1.4			55.5	1.4	115.16	2.6	.0501	5.8	118.14	3.1	.0277	56.5	0.03	56.6	.0085	3.1	.055
395-14.1	-1.76	547	328	0.62	50.4	1.4	49.6	1.2			49.6	1.2	129.69	2.4	.0460	5.2	127.45	2.8	.0610	20.3	0.07	20.5	.0078	2.8	.136
395-15.1	0.21	224	125	0.58	1841.2	30.4	1846.1	34.9	1806	20	1806	20	3.02	1.9	.1120	0.9	3.03	1.9	.1104	1.1	5.03	2.2	.3306	1.9	.860
395-16.1	-0.05	307	116	0.39	1839.5	30.6	1846.1	35.1	1792	13	1792	13	3.03	1.9	.1091	0.7	3.03	1.9	.1095	0.7	4.99	2.0	.3302	1.9	.940
395-17.1	0.00	147	98	0.69	132.2	3.6	130.9	3.7			130.9	3.7	48.25	2.8	.0578	7.8	48.25	2.8	.0578	7.8	0.17	8.3	.0207	2.8	.334
395-18.1	-0.02	335	155	0.48	1963.1	32.4	1979.7	38.3	1861	12	1861	12	2.81	1.9	.1137	0.7	2.81	1.9	.1138	0.7	5.59	2.0	.3560	1.9	.941
395-19.1	-2.07	205	151	0.76	50.2	2.0	48.2	1.6			48.2	1.6	130.58	3.3	.0644	8.0	127.93	4.0	.0817	23.9	0.09	24.2	.0078	4.0	.164
395-20.1	-0.16	2975	4329	1.50	48.5	0.9	48.3	0.9			48.3	0.9	132.58	1.9	.0488	2.3	132.38	1.9	.0501	2.2	0.05	2.9	.0076	1.9	.642
395-21.1	0.28	756	74	0.10	99.8	2.1	99.5	2.1			99.5	2.1	63.89	2.2	.0532	2.9	64.08	2.2	.0507	4.1	0.11	4.6	.0156	2.2	.471
395-22.1	1.15	691	982	1.47	101.8	2.3	102.2	2.3			102.2	2.3	62.09	2.2	.0548	3.7	62.81	2.3	.0448	12.6	0.10	12.8	.0159	2.3	.182
395-23.1	-0.06	340	263	0.80	1468.6	24.6	1467.4	26.7	1482	19	1482	19	3.91	1.9	.0922	0.9	3.91	1.9	.0927	1.0	3.27	2.1	.2558	1.9	.878
395-24.1	8.56	206	119	0.60	42.1	1.9	44.3	1.5			44.3	1.5	139.51	3.3	.0795	6.9	152.57	4.5					.0066	4.5	
395-25.1	0.00	215	85	0.41	186.3	4.2	184.5	4.2			184.5	4.2	34.11	2.3	.0583	3.7	34.11	2.3	.0583	3.7	0.24	4.4	.0293	2.3	.524
395-26.1	0.00	1239	875	0.73	1488.4	23.4	1484.3	25.3	1536	12	1536	12	3.85	1.8	.0954	0.6	3.85	1.8	.0954	0.6	3.42	1.9	.2597	1.8	.942
395-27.1	0.00	350	219	0.65	50.3	1.4	50.0	1.4			50.0	1.4	127.63	2.7	.0518	6.1	127.63	2.7	.0518	6.1	0.06	6.7	.0078	2.7	.409
395-28.1	-0.06	208	93	0.46	1886.4	31.6	1897.4	36.7	1812	16	1812	16	2.94	1.9	.1103	0.9	2.94	1.9	.1107	0.9	5.19	2.1	.3399	1.9	.906
395-29.1	0.06	435	180	0.43	2008.3	32.5	1926.5	38.6	2409	20	2409	20	2.73	1.9	.1561	1.2	2.74	1.9	.1556	1.2	7.84	2.2	.3655	1.9	.847
395-30.1	0.07	194	199	1.06	1651.7	28.7	1648.3	31.8	1683	20	1683	20	3.42	2.0	.1038	1.0	3.42	2.0	.1032	1.1	4.16	2.2	.2920	2.0	.878
395-31.1	-0.97	422	204	0.50	125.0	2.8	123.1	2.7			123.1	2.7	51.57	2.2	.0538	3.6	51.08	2.3	.0621	9.6	0.17	9.9	.0196	2.3	.232
395-32.1	0.08	522	1385	2.74	1700.0	28.5	1455.2	43.0	3011	24	3011	24	3.31	1.9	.2247	1.5	3.31	1.9	.2241	1.5	9.33	2.4	.3018	1.9	.787
395-33.1	-1.49	662	376	0.59	46.3	1.2	45.3	1.2			45.3	1.2	140.79	2.7	.0536	4.8	138.72	2.7	.0663	4.6	0.07	5.3	.0072	2.7	.502
395-34.1	0.00	102	104	1.05	60.4	2.7	58.2	2.6			58.2	2.6	106.17	4.4	.0789	9.5	106.17	4.4	.0789	9.5	0.10	10.5	.0094	4.4	.424
395-35.1	0.00	342	264	0.80	1715.8	29.6	1708.0	33.2	1780	27	1780	27	3.28	2.0	.1088	1.5	3.28	2.0	.1088	1.5	4.58	2.4	.3049	2.0	.804
395-36.1	-0.38	370	146	0.41	106.0	2.5	105.0	2.5			105.0	2.5	60.55	2.4	.0531	4.5	60.32	2.4	.0564	4.3	0.13	4.9	.0166	2.4	.485
395-37.1	0.43	70	34	0.50	1158.7	25.0	1166.4	26.4	1007	88	1007	88	5.06	2.3	.0764	2.3	5.08	2.4	.0727	4.3	1.97	4.9	.1969	2.4	.477
395-38.1	4.37	231	74	0.33	49.3	1.6	49.7	1.6			49.7	1.6	124.53	3.1	.0782	6.2	130.22	3.2	.0399	24.5	0.04	24.7	.0077	3.2	.132
395-39.1	0.08	2310	1980	0.89	51.8	1.0	51.8	1.0			51.8	1.0	123.91	1.9	.0474	2.5	124.01	1.9	.0467	5.2	0.05	5.5	.0081	1.9	.349
JV395-24R	2.95	173	101	0.61	46.4	1.1	47.2	1.0			47.2	1.0	134.24	2.1	.0593	6.7	138.31	2.4	.0332	34.6	0.03	34.7	.0072	2.4	.069
JV395-33R	1.50	522	265	0.52	48.6	0.7	49.0	0.7			49.0	0.7	130.10	1.4	.0542	6.3	132.09	1.4	.0410	9.4	0.04	9.5	.0076	1.4	.142
JV395-40	0.16	164	120	0.76	1413.1	13.5	1416.6	14.6	1367	20	1367	20	4.07	1.1	.0886	0.9	4.08	1.1	.0873	1.0	2.95	1.5	.2451	1.1	.722
JV395-41	0.00	108	67	0.64	47.7	1.3	46.6	1.3			46.6	1.3	134.74	2.8	.0659	6.5	134.74	2.8	.0659	6.5	0.07	7.1	.0074	2.8	.392
JV395-42	3.45	69	55	0.84	123.0	2.8	125.1	2.7			125.1	2.7	50.11	2.2	.0646	5.2	51.90	2.3	.0342	25.0	0.09	25.1	.0193	2.3	.091
JV395-43	-0.02	101	98	1.00	1645.0	17.1	1647.9	19.1	1618	18	1618	18	3.44	1.2	.0995	1.0	3.44	1.2	.0997	1.0	3.99	1.5	.2907	1.2	.772
JV395-44	-1.14	239	136	0.59	78.2	1.2	76.7	1.2			76.7	1.2	82.84	1.5	.0549	3.8	81.90	1.5	.0646	3.8	0.11	4.1	.0122	1.5	.374

Table 6 40Ar/39Ar plateau ages for OR-WA Siletz River Volcanics

Siletz River Volcanics, S. Oregon Coast Range

Sample	location	longitude ° W	latitude ° N	unit	rock type	plateau age, Ma	± 2sigma	Source
RB6B	Roseburg Quarry	123.28	43.23	SRV	basalt	56.0	± 0.8	Pyle et al, 2009
DA252a	Drain anticline	123.36	43.64	SRV	subaerial bas.	56.0	± 0.6	Pyle et al, 2009
D78-RB-31	Sutherlin well	123.24	43.43	SRV	subaerial bas.	53.4	± 2.5	Pyle et al, 2009
RB02-06	Blue Ridge	124.11	43.27	SRV	basalt	53.2	± 0.9	Pyle et al, 2009
KS-1	Kentucky slough	124.09	43.45	SRV	basalt in tuff	53.3	± 0.9	Pyle et al, 2009
CQ-3	Coquille	124.11	43.15	SRV	plag sep	53.1	± 1.3	Pyle et al, 2009
Siletz River Volcanics, N. Oregon Coast Range								
SR95-05-04	Mary's Peak Hy 34	123.69	44.37	SRV	basalt, massive	53.1	± 0.9	Pyle et al, 2009
SR95-06-11	Mary's Peak	123.55	44.50	SRV	basalt, pillow	53.9	± 0.9	Pyle et al,.2009
SR95-02-09	upper Siletz	123.40	45.30	SRV	basalt	50.6	± 0.8	Pyle et al, 2009
SR95-08-06	Siletz Gorge	123.80	44.87	SRV	basalt	51.0	± 0.8	Pyle et al, 2009
SR95-10-07	Ball Mtn	123.93	44.90	SRV	plag sep	50.1	± 2.3	Pyle et al, 2009
SR95-03-19	Hembre Ridge	123.52	45.49	SRV upper	basalt	45.6	± 0.9	Pyle et al, 2009
SR95-04-04	Alsea Falls	123.53	44.36	SRV upper	basalt	46.0	± 2.0	Pyle et al, 2009