Appendix Table C1. Volcanic glass compositions of tephra samples in the Sprague River study area.

[Electron microprobe analyses by U.S. Geological Survey tephrocronology laboratory, values are given as oxides, in weight-percent, recalculated to 100 percent fluid-free basis]

Sample <sup>a</sup>	SiO <sub>2</sub>	$AI_2O_3$	$Fe_2O_3$	MgO	MnO	CaO	TiO <sub>2</sub>	Na <sub>2</sub> O	K <sub>2</sub> 0	∑Wt%	Comments
6/23/07-1(10); Population 1 (6 shards)	76.51	13.68	1.41	0.08	0.05	0.42	0.13	3.92	3.80	100.00	Sieved pumice grains from fluvial sand. No good match; resembles Quaternary Cascade Range tephras from northern California
6/23/07-1(10); Population 2 (11 shards)	73.15	15.04	2.11	0.47	0.06	1.67	0.43	4.47	2.60	100.00	Sieved pumice grains from fluvial sand. Best matches distal Mazama deposits in Nevada and southeastern Oregon, but this correlation is unlikely owing to its stratigraphic position 1.2 m below airfall tephra bed which is almost certainly Mazama
6/28/07-1(1)	75.69	14.21	1.63	0.10	0.08	0.41	0.15	3.81	3.92	100.00	Sieved pumice grains from fluvial sand. No match; moderately hydrated

<sup>a</sup>Inferred matches and correlations on basis of similarity coefficient analyses in USGS tephrochronology reference database, stratigraphic position, and field and petrographic characteristics