

Figure 2. Correlation chart of late Pliocene and Pleistocene tephra in east central and southern California, and several selected key localities in central United States.

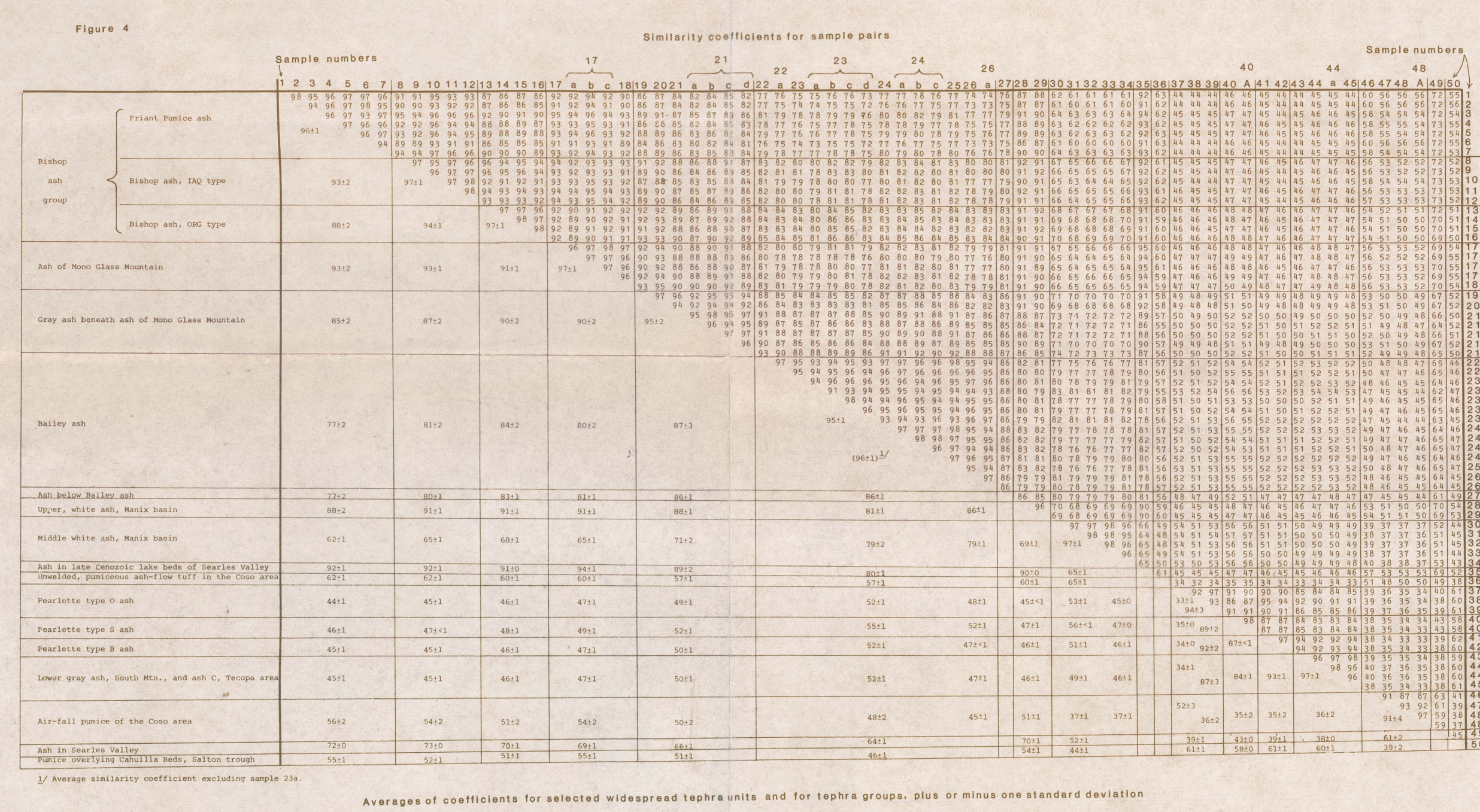


Figure 4. Similarity coefficient matrix. Individual values of similarity coefficients are given for sample pairs in the upper right half of the matrix, while average values for selected tephra units and tephra groups are given in the lower left half. Values given are in hundredths, with the decimal point omitted. The similarity coefficient for an identical pair of samples would be 1, or 100 with the decimal point omitted.

Table 8. Equations derived from linear regression analysis of 22 samples, based on data derived from analysis of samples which were split in two, and each set analyzed by Lawrence Berkeley Laboratory, University of California, Berkeley, and the USGS Radiochemistry Laboratory, Reston, Virginia.

Equations in (1) give predicted \hat{y} values for converting LBL to USGS analyses; in (2), predicted \hat{y} values for converting USGS to LBL analyses.

Parameter	Sc	Fe	Zn	Rb	Cs	Ba ⁴	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Hf	Ta	Th	U
(1) a ¹	-0.035	0.012	4.849	0.571	0.258	-108.901	0.443	-1.758	0.635	-0.271	0.002	-0.018	-0.091	0.032	-0.051	-0.002	-0.154	0.129
(1) b ²	0.935	0.998	0.785	0.946	0.882	1.136	1.113	1.018	1.030	1.150	0.981	1.113	1.037	0.953	0.934	1.189	1.011	1.102
(2) a ³	0.999	0.999	0.958	0.990	0.985	0.976	0.999	0.997	0.993	0.994	0.991	0.993	0.998	0.993	0.997	0.997	0.996	0.973
(2) b	0.042	-0.011	-4.190	2.202	-0.183	115.07	-0.367	1.912	-0.415	0.256	0.002	0.023	0.094	-0.030	0.069	0.008	0.196	0.037
r ²	0.998	0.999	0.964	0.980	0.985	0.976	0.999	0.997	0.992	0.996	0.991	0.993	0.998	0.993	0.997	0.997	0.996	0.973

1^y intercept
2^{slope of line}
3^{correlation coefficient}
4^{based on 16 sample pairs only}

This report is preliminary and has not been edited or reviewed for conformity with Geological Survey standards and nomenclature.