

Northwest Research Obsidian Studies Laboratory

Table A-1. Results of XRF Studies: Poodle Mountain Canyon Source Obsidian, Washoe County, Nevada

Site	Specimen		Trace Element Concentrations											Ratios		Geochemical Source
	No.	Catalog No.	Zn	Pb	Rb	Sr	Y	Zr	Nb	Ti	Mn	Ba	Fe ₂ O ₃ ^T	Fe:Mn	Fe:Ti	
Poodle Mountain Canyon	1	1	89 ± 7	29 4	155 3	90 6	27 2	126 6	13 2	625 76	631 46	1025 28	0.82 0.11	12.6	43.9	Buffalo Hills
Poodle Mountain Canyon	2	3	67 ± 7	28 4	159 3	82 6	26 2	118 6	16 2	572 76	670 46	955 28	0.74 0.11	10.8	43.7	Buffalo Hills
Poodle Mountain Canyon	3	4	85 ± 7	22 4	151 3	97 6	28 2	128 6	17 2	420 75	555 46	1023 28	0.57 0.11	10.4	47.2	Buffalo Hills
Poodle Mountain Canyon	4	5	134 ± 7	28 4	147 3	90 6	25 2	121 6	15 2	811 76	656 46	1003 28	0.66 0.11	9.9	27.8	Buffalo Hills
Poodle Mountain Canyon	5	6	58 ± 6	23 4	151 3	76 6	25 2	112 6	14 2	598 76	644 46	929 28	0.70 0.11	10.7	39.9	Buffalo Hills
Poodle Mountain Canyon	6	7	104 ± 7	32 3	158 3	103 6	27 2	129 6	12 2	721 77	744 46	1017 28	0.86 0.11	11.1	39.8	Buffalo Hills
Poodle Mountain Canyon	7	8	70 ± 7	29 3	156 3	76 6	29 2	114 6	14 2	575 76	718 46	923 28	0.68 0.11	9.3	40.5	Buffalo Hills
Poodle Mountain Canyon	8	9	110 ± 7	27 3	155 3	76 6	28 2	116 6	14 2	574 76	768 46	925 28	0.69 0.11	8.7	40.8	Buffalo Hills
Poodle Mountain Canyon	9	10	78 ± 7	27 3	154 3	104 6	26 2	130 6	15 2	755 76	646 46	1010 28	0.82 0.11	12.3	36.4	Buffalo Hills
Poodle Mountain Canyon	10	10	80 ± 7	25 3	157 3	100 6	27 2	131 6	14 2	745 76	710 46	1009 28	0.88 0.11	11.9	39.3	Buffalo Hills

All trace element values reported in parts per million; ± = analytical uncertainty estimate (in ppm). Iron content reported as weight percent oxide.
 NA = Not available; ND = Not detected; NM = Not measured.; * = Small sample.

