Table S1. Potentially Datable Materials Not Used in Chronological Modeling of Middle Grant Creek.

Artifact Id	Material	Location	Cluster	Feature	Level or Zone	Reason Not Included in Chronological Models
2073	Brass alloy[a]	E 104-106 N 146-148	East	None	1	Not in a feature; geographic and stratigraphic relationship to other materials is unclear.
3771	Brass	E 106-108 N 160-161	East	None	1	Not in a feature; geographic and stratigraphic relationship to other materials is unclear.
1321	Brass	E 104-106 N 152-153	East	None	4	Not in a feature; geographic and stratigraphic relationship to other materials is unclear.
1328.01	NAC	E 100-102 N 136-138	East	3	12	Native copper so no date information available
UCI 198867	Marine shell		East	3	12	ΔR of shell unknown so imprecise dating
1330	NAC?	E 100-102 N 136-138	East	3	13	Possible native copper so no date information available
	Iron		East	5	6	Small iron rod fragment. Probably of European origin but iron has a wide date range for entry into North America.
3520	Brass	E 78-80 N 139.5-141	West	None	1	Not in a feature; geographic and stratigraphic relationship to other materials is unclear.
3522	SEC	E 86-87.5 N 133-135	West	None	1	Not in a feature; geographic and stratigraphic relationship to other materials is unclear.
3528.02	SEC	E 78-80 N 139.5-142	West	11	12	Possible postdepositional fragment of the same sheet metal as 3528.01
3531	NAC	E 83-85 N 128-130	West	12	Zone 7	Native copper so no date information available
3532	NAC	E 86-87.5 N 133-135	West	13	12	Native copper so no date information available

***Key*: NAC = native copper; SEC = smelted European copper.**
[a] Contains significant quantities of tin in addition to zinc.

Table S2. Composition of Blue Glass Trade Bead as Determined by LA-ICP-MS.

Bead		Control: CORN A	
B-1340	Wt% or ppm	Measured (% or ppm)	Expected (% or ppm)
SiO_2	67.9%	68.7%	66.6%
Na_2O	12.0%	13.5%	14.3%
MgO	2.9%	2.6%	2.7%
Al_2O_3	0.9%	1.0%	1.0%
P_2O_5	0.2%	0.1%	0.1%
Cl	1.6%	0.1%	0.1%
K_2O	4.6%	2.9%	2.9%
CaO	8.8%	5.2%	5.0%
MnO	0.0884%	1.0%	1.0%
Fe_2O_3	0.8433%	1.1%	1.1%
CuO	0.0105%	1.2%	1.2%
SnO_2	0.0006%	0.2%	0.2%
PbO	0.0093%	0.1%	0.1%
Li	23	45	47
Be	0	0	not available
B	64	641	621
Sc	6	4	not available
Ti	2460	4350	4731
V	12	34	34
Cr	19	18	23
Ni	135	172	157
Co	1014.88	1219	1339
Zn	36	406	355
As	3534.58	29	not available
Rb	18	82	92
Sr	486.3	874	847
Zr	451	38	37
Nb	10	1	not available
Ag	1.28	15.87	not available
In	0.10	5.79	not available
Sb	6	10953	14583
Cs	0.67	0.34	not available
Ba	72	3686	4107
La	7	1	not available
Ce	15	0	not available
Pr	1.8	0.1	not available
Ta	0.8761	0.2072	not available
Au	0.009	0.100	not available
Y	12.4	0.4	not available
Bi	241	9	not available
U	9.153	0.298	not available
W	2	0	not available

Table S2 continued.

Bead		Control: CORN A	
B-1340	Wt% or ppm	Measured (% or ppm)	Expected (% or ppm)
Mo	19.22	2.66	not available
Nd	6	0	not available
Sm	1.49	0.18	not available
Eu	0.30	0.25	not available
Gd	1.51	0.13	not available
Tb	0.32	0.11	not available
Dy	1.98	0.13	not available
Ho	0.46	0.09	not available
Er	1.34	0.10	not available
Tm	0.23	0.09	not available
Yb	1.60	0.11	not available
Lu	0.28	0.06	not available
Hf	12.21	1.03	not available
Th	2.834	0.368	not available

Expected values of the control sample are based on Adlington, Laura W. (2017) The Corning Archaeological Reference Glasses: New Values for “Old” Compositions. *Papers from the Institute of Archaeology*, 27(1):1–8. DOI:10.5334/pia-515.