Supplementary Table 4
Pollen analysis data, including pollen sample provenience (A), pollen types represented (B), raw counts (C), and pollen concentrations in grains/gram (D).

A. Pollen sample provenience.

CW-	Strat. Unit	Section	Depth (m below surface)
1840	-	11-37	surface-terrace
1841	-	11-37	surface-arroyo
805	V	11-4	0.75–0.9 mbs
1842	IV	11-2	1.22 mbs
1290	IIIc	11-37	1.7–1.8 mbs
1296	$IIIb_4$	11-37	2.3–2.4 mbs
1302	$IIIb_3$	11-37	2.9–3.0 mbs
1308	$IIIb_2$	11-37	3.5–3.6 mbs
1318	II	11-37	4.5–4.6 mbs
1338	I	11-37	8.9–9.0 mbs

B. Pollen types represented.

Taxon Name	Common Name
Abies	Fir
Ambrosia	Ragweed/Bursage type
Apiaceae	Carrot Family
Artemisia	Sagebrush
Asteraceae	Sunflower Family
Brassicaceae	Mustard Family
Cactaceae	Cactus type
Cheno-am	Cheno-am
Ephedra	Mormon Tea
Eriogonum	Buckwheat
Euphorbiaceae	Spurge Family
Fabaceae	Pea Family
Fraxinus	Ash
Juniperus	Juniper
Liguliflorae	Chicory Tribe
Liliaceae, coarse form	Lily Family coarse reticulate
Liliaceae, fine reticulate	Lily Family fine reticulate
Liliaceae, med. fine reticulate	Lily Family medium fine reticulate type
Malvaceae	Mallow Family
Nyctaginaceae	Four O'Clock Family
Picea	Spruce
Pinus edulis type	Small Pine (Pinon)
Pinus ponderosa type	Large Pine (Ponderosa)
Poaceae	Grass Family
Poaceae, Large	Large Grass
Polygonaceae	Knotweed
Pseudotsuga	Douglas Fir
Quercus	Oak
Salix	Willow
Scripus	Bulrush
Sphaeralcea	Globemallow
Typha	Cattail

C. Raw counts.

CW Sample No.	Sample Weight (gr)	Tracer Conc.	Tracers Counted	Pollen Sum	Pollen Conc. gr/gm	Taxon Richness	Trees and Shrubs									Terrestrial Shrubs, Herbs, Cacti, Forbs, and Grasses																Riparian, Wetland, and Aquatic				Deteriorated and Unknown				Pollen Aggregates			Comments/Notes
							Abies	Fraxinus	Juniperus	Picea	Pinus edulis type	Pinus ponderosa type	Pseudotsuga	Quercus	Artemisia	Ephedra	Ambrosia	Asteraceae	Brassicaceae	Cactaceae	Cheno-am	Eriogonum	Euphorbiaceae	Fabaceae	Liguliflorae	Liliaceae, med. fine reticulate	Malvaceae	Nyctaginaceae	Poaceae	Poaceae, Large	Polygonaceae	Sphaeralcea	Apiaceae	Salix	Scripus	Typha	Degraded	Unknown	Unknown cf. Caper Type	Unknown speckly monoporate poss. grass	Total Aggregates	Cheno-am Aggregates	cf. Caper Family Aggregates	
1840	22.1	41696	8	222	22876.2	12	4		8	2	10	36		1			1	25			125		1					X	5							3				1	1(10)		
1841	24.4	41696	15	270	16860.7	18		3	23	1	26	33		1		2	1	21			122	1	3	1					9			2		5	4	8		3		1		1(50+)	
805	24.5	41696	5	231	31995.3	11	3		14		10	30			1	1	1	19			137							X	11							4					X(500+)		
1842	23.0	41696	15	238	12810.9	10			8		11	46			1			27			132		2						10				X	X	1							
1290	25.7	41696	41	261	4590.2	12			4	2	31	20			3	2		28	1		145		3		1				11						9	1						
1296	20.3	41696	37	212	6717.1	9			16		30	16			5			31		X	91								11					3		7	2						many large spores, segments in spiral
1302	31.0	37168	13	248	18537.9	16			37		23	28	1	3	2	4		15	1		47					2			22	3	1			16		14	3		26				
1308	31.8	37168	37	396	10266.5	12	3		24	1	85	83			8		1	18			71								6					75	1	17	3						
1318	29.5	37168	46	401	6929.6	14			25	X	63	37			4		2	46	3		148		1						46			1		2		16	6						
1338	23.3	41696	18	244	6859.9	9			3		16	20				1		12	2		175						X		6							7	1			1	1(10)		
1840	22.1	41696	8	222	22876.2	12	4		8	2	10	36		1			1	25			125		1					X	5							3				1	1(10)		
1841	24.4	41696	15	270	16860.7	18		3	23	1	26	33		1		2	1	21			122	1	3	1					9			2		5	4	8		3		1		1(50+)	

Notes:
(1) Taxa listed alphabetically by ecological or structural categories.
(2) X notes taxa identified during low magnification scans.
(3) Aggregate notation shows the number of pollen aggregates observed during counts or scans (marked by an X) and the number of grains in the largest aggregate in parentheses.
(4) All samples 20 cc volume.

D. Pollen concentrations in grains/gram.

	Trees and Shrubs										Terrestrial Shrubs, Herbs, Cacti, Forbs, and Grasses															Riparian, Wetland, and Aquatic				Deteriorated and Unknown				Pollen Aggregates
CW Sample No.	Abies	Fraxinus	Juniperus	Picea	Pinus edulis type	Pinus ponderosa type	Pseudotsuga	Quercus	Artemisia	Ephedra	Ambrosia	Asteraceae	Brassicaceae	Cactaceae	Cheno-am	Eriogonum	Euphorbiaceae	Fabaceae	Liguliflorae	Liliaceae, med. fine reticulate	Malvaceae	Nyctaginaceae	Poaceae	Poaceae, Large	Polygonaceae	Sphaeralcea	Apiaceae	Salix	Scripus	Typha	Degraded	Unknown	Unknown cf. Caper Type	Unknown speckly monoporate poss. grass	Total Aggregates
1840	943.3	0.0	0.0	1886.7	471.7	2358.4	8490.1	0.0	235.8	0.0	0.0	0.0	0.0	235.8	5895.9	0.0	0.0	29479.6	0.0	235.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0	0.0	1179.2	0.0	0.0	0.0
1841	0.0	0.0	341.8	2620.2	113.9	2962.0	3759.5	0.0	113.9	0.0	227.8	0.0	0.0	113.9	2392.4	0.0	0.0	13898.7	113.9	341.8	113.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1025.3	0.0	0.0	0.0
805	1021.1	0.0	0.0	4765.3	0.0	3403.8	10211.3	0.0	0.0	340.4	340.4	0.0	0.0	340.4	6467.1	0.0	0.0	46631.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0	0.0	3744.1	0.0	0.0	0.0
1842	0.0	0.0	0.0	966.9	0.0	1329.4	5559.5	0.0	0.0	120.9	0.0	0.0	0.0	0.0	3263.2	0.0	0.0	15953.3	0.0	241.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1208.6	0.0	0.0	0.0
1290	0.0	0.0	0.0	158.3	79.1	1226.7	791.4	0.0	0.0	118.7	79.1	0.0	0.0	0.0	1108.0	39.6	0.0	5737.8	0.0	118.7	0.0	0.0	0.0	39.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	435.3	0.0	0.0	0.0
1296	0.0	0.0	0.0	888.2	0.0	1665.4	888.2	0.0	0.0	277.6	0.0	0.0	0.0	0.0	1720.9	0.0	X	5051.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	610.6	0.0	0.0	0.0
1302	0.0	0.0	0.0	3412.4	0.0	2121.3	2582.4	92.2	276.7	184.5	368.9	0.0	0.0	0.0	1383.4	92.2	0.0	4334.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	184.5	0.0	0.0	0.0	0.0	2029.0	276.7	0.0	92.2
1308	94.8	0.0	0.0	758.1	31.6	2685.1	2621.9	0.0	0.0	252.7	0.0	0.0	0.0	31.6	568.6	0.0	0.0	2242.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	189.5	0.0	0.0	0.0
1318	0.0	0.0	0.0	684.7	X	1725.6	1013.4	0.0	0.0	109.6	0.0	0.0	0.0	54.8	1259.9	82.2	0.0	4053.7	0.0	27.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1259.9	0.0	0.0	0.0
1338	0.0	0.0	0.0	298.3	0.0	1590.7	1988.4	0.0	0.0	0.0	99.4	0.0	0.0	0.0	1193.0	198.8	0.0	17398.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0	0.0	596.5	0.0	0.0	0.0
1840	943.3	0.0	0.0	1886.7	471.7	2358.4	8490.1	0.0	235.8	0.0	0.0	0.0	0.0	235.8	5895.9	0.0	0.0	29479.6	0.0	235.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0	0.0	1179.2	0.0	0.0	0.0
1841	0.0	0.0	341.8	2620.2	113.9	2962.0	3759.5	0.0	113.9	0.0	227.8	0.0	0.0	113.9	2392.4	0.0	0.0	13898.7	113.9	341.8	113.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1025.3	0.0	0.0	0.0