

Table 4. Sample numbers, field locations, sediment type, Global Position System coordinates, depth, total inorganic carbon concentrations (TIC), and $^{87}\text{Sr}/^{86}\text{Sr}$ values for soils, soil waters, other waters, and cobs from sites in the San Juan Basin

Sample site/no.			
Newcomb	Field location	Sediment type	Location, decimal degrees
CTW#3	Captain Tom Wash (lower drainage)	floodplain	36.30743 108.70554
CTW#3A		eolian	36.30759 108.70571
CTW#3B		eolian	36.30759 108.70571
CTW#3C		eolian	36.30759 108.70571
CTW#2	Captain Tom Wash (upper drainage)	floodplain	36.27867 108.74463
CTW#2A		floodplain	36.27873 108.74469
CTW#2B		floodplain	36.27873 108.74469
CTW#2C		floodplain	36.27873 108.74469
CTW#1	Captain Tom Wash (upper drainage)	floodplain	36.27650 108.74702
CTW#1A		floodplain	36.27648 108.74703
CTW#1B		floodplain	36.27648 108.74703
CTW#1C		floodplain	36.27648 108.74703
SS#2	Skunk Springs (upper drainage)	floodplain modern	36.23129 108.75751
SS#3		floodplain	36.23129 108.75751
SS#1		floodplain	36.23129 108.75751
SSW#2	Skunk Springs Well #4		
BMS#2	Bridge @ Basketmaker site #5		
Chaco Canyon			
CC#1	S Side of arroyo across from Casa Chiquita	floodplain	36.06535 107.97340
CC#2		floodplain	36.06535 107.97340
CC#3		floodplain	36.06535 107.97340
PDA#5	Chaco Wash near Pueblo Arroyo	floodplain modern	36.06238 107.96733
PDA#4		floodplain	36.06238 107.96733
PDA#3		floodplain	36.06238 107.96733
PDA#1		floodplain	36.06238 107.96733
CK#1	Chetro Kettle field at Chaco	floodplain overbank	36.05893 107.95065
LH#3	Lizard House field	floodplain overbank	36.05717 107.94742
CR#1	Casa Rinconada field, G. Vivian site C-10	fan	36.05647 107.96025
CR#2		fan	36.05647 107.96025
CR#3		fan	36.05647 107.96025
CKF#1	Chetro Kettle field, G. Vivian site F-4	fan	36.05770 107.95058
CKF#2		fan	36.05770 107.95058
CKF#3		fan	36.05770 107.95058
S10#1	Section 10, G. Vivian site A-16	fan	36.07292 107.9855
S10#2		fan	36.07292 107.9855
S10#3		fan	36.07292 107.9855
LH#1	Lizard House arroyo at Chaco	fan	36.05717 107.94742
LH#2		fan	36.05717 107.94742

WR#1	Weritos Rincon	fan eolian	36.04916	107.93951
WR#2		fan eolian	36.04806	107.94022
WER#1		eolian	36.04811	107.93974
WER#2		eolian	36.04811	107.93974
WER#3		eolian	36.04811	107.93974
CDW#1	Chaco deep well in Gallup Formation			
CWW#1	Water from Fajada drainage only			
CWW#2	Chaco River at bridge			
Aztec Ruin				
AZR#6	Aztec Ruin proximal fan in orchard	fan	36.83585	108.00066
AZR#7		fan	36.83585	108.00066
AZR#8		fan	36.83585	108.00066
AZR#3	Aztec Ruin distal fan	fan	36.83659	107.99519
AZR#4		fan	36.83659	107.99519
AZR#5		fan	36.83659	107.99519
AZR#1	Aztec Ruin Animas floodplain	floodplain modern	36.83519	107.99332
AZR#2		floodplain	36.83519	107.99332
AR#1	Animas R. at Farmington			
AR#3	Animas R. at Farmington			
Salmon Ruin				
SR#4	Salmon Ruin San Juan floodplain	floodplain	36.70054	108.02635
SR#5		floodplain	36.70054	108.02635
SR#6		floodplain	36.70054	108.02635
SR#1	Salmon Ruin orchard	fan	36.70192	108.02656
SR#2		fan	36.70192	108.02656
SR#3		fan	36.70192	108.02656
	San Juan River System			
SJR#1	San Juan R. at Bloomfield		36.69987	107.98637
SJR#2	San Juan R. below Farmington		36.72298	108.22501
AR#1	Animas R. at Farmington		36.72073	108.20179
SJR#3	San Juan R. at Pagosa Spgs.		37.26989	106.99614
LPR#1	Piedra R. near Chimney Rx.		37.22391	107.34145
LOPR#1	Los Pinos W of Bayfield		37.22910	107.60936
AR#2	Animas R. at Durango		37.25974	107.87720
SJR#4	San Juan R. at Kirtland		36.72280	108.32448
AR#3	Animas R. at Farmington		36.72068	108.20161
SJR#5	San Juan R. at Bloomfield		36.70001	107.98640
Sample site/no.				
Newcomb	Depth , cm	TIC, % C	$^{87}\text{Sr}/^{86}\text{Sr}$	Error (2 sigma)
CTW#3	5	0.60	0.709028	0.000017
CTW#3A	25-35		0.708830	0.000021
CTW#3B	55-65		0.708760	0.000008
CTW#3C	85-95		0.708709	0.000016
CTW#2	5	0.72	0.709062	0.000023
CTW#2A	25-35		0.709046	0.000009
CTW#2B	55-65		0.709215	0.000015
CTW#2C	85-95		0.709083	0.000019
CTW#1	1	0.66	0.709289	0.000018
CTW#1A	25-35		0.709018	0.000009

CTW#1B	55-65		0.709240	0.000012
CTW#1C	85-95		0.709290	0.000017
SS#2	0	0.22	0.709119	0.00002
SS#3	100	0.38	0.709349	0.000022
SS#1	110	0.25	0.709331	0.000022
SSW#2			0.709242	0.000015
BMS#2			0.709366	0.000010
Chaco Canyon				
CC#1	70		0.709036	0.000013
CC#2	100		0.709083	0.000015
CC#3	130		0.709066	0.000011
PDA#5		0.23	0.709044	0.000017
PDA#4	20	0.23	0.709093	0.000014
PDA#3	325	0.12	0.709155	0.000017
PDA#1	440	0.17	0.709077	0.000023
CK#1	5	0.24	0.709190	0.000017
LH#3	150		0.709165	0.000013
CR#1	25-35		0.709159	0.000009
CR#2	55-65		0.709088	0.000017
CR#3	85-95		0.709108	0.000017
CKF#1	25-35		0.709170	0.000012
CKF#2	55-65		0.709065	0.000015
CKF#3	85-95		0.709053	0.000009
S10#1	25-35		0.709204	0.000015
S10#2	55-65		0.709121	0.000017
S10#3	85-95		0.709078	0.000012
LH#1	26		0.708965	0.000015
LH#2	65		0.709347	0.000020
WR#1	5	0.10	0.709570	0.000021
WR#2	5	0.08	0.709465	0.000008
WER#1	25-35		0.709590	0.000010
WER#2	55-65		0.709606	0.000018
WER#3	85-95		0.709549	0.000001
CDW#1			0.709250	0.000010
CWW#1			0.709274	0.000018
CWW#2			0.709089	0.000018
Aztec Ruin				
AZR#6	7		0.709650	0.000011
AZR#7	32		0.709600	0.000017
AZR#8	77		0.709558	0.000020
AZR#3	7		0.709581	0.000013
AZR#4	22		0.709560	0.000021
AZR#5	47		0.709577	0.000019
AZR#1	25		0.709899	0.000020
AZR#2	55		0.709557	0.000017
AR#1	surface		0.709495	0.000008
AR#3	surface		0.709661	0.000021
Salmon Ruin				
SR#4	12	0.50	0.710089	0.000019

SR#5	52	0.03	0.710106	0.000022
SR#6	87	0.09	0.710043	0.000020
SR#1	8	0.06	0.710148	0.000013
SR#2	22	0.10	0.710157	0.000007
SR#3	82	0.05	0.710095	0.000023
SJR#1	surface		0.710288	0.000014
SJR#2	surface		0.709912	0.000017
AR#1	surface		0.709495	0.000008
SJR#3	surface		0.706668	0.000017
LPR#1	surface		0.711136	0.000013
LOPR#1	surface		0.713987	0.000013
AR#2	surface		0.709925	0.000022
SJR#4	surface		0.710150	0.000017
AR#3	surface		0.709661	0.000021
SJR#5	surface		0.710376	0.000021
Pueblo Bonito Corn				
H254/258C			0.709280	0.000014
H7673			0.709328	0.000011
H254/258A			0.709394	0.000010
H242/244A			0.709319	0.000016
H242/244B			0.709475	0.000042
H254/258B			0.709225	0.000018
H10648			0.709892	0.000016
Aztec Ruin Corn			0.710312	0.000019
AZRU 1057			0.710166	0.000034
AZRU 1052			0.709977	0.000012
AZRU 9651			0.709801	0.000015
AZRU 3853			0.710119	0.000010
AZRU 533B			0.709791	0.000012
AZRU 3921			0.709705	0.000016
AZRU 9438			0.709694	0.000015
AZRU 11091			0.709848	0.000011
AZRU 533A			0.710062	0.000012
AZRU 9341				