APPENDIX 1. PALEOSOL CARBONATE ISOTOPE DATA FROM THE SOUTHERN BIGHORN BASIN

SOUTHERN BIGHORN BASIN						
Locality	NN§	PMS [†]	Level (m)	Age (Ma)	δ ¹³ C (‰,PDB)	δ ¹⁸ O (‰,PDB)
PK 072590:L2	1A	N.A.	728	52.56	-10.0	-8.9
"	1B	N.A.	"	"	-9.7	-8.6
"	2A 2B	N.A. N.A.	"	"	-9.8 -9.9	-8.8 -8.9
PK 072590:L1	1A	N.A.	690	52.66	-9.7	-0.9 -8.5
II .	1B	N.A.	"	"	-9.4	-8.0
"	2A	N.A.	"	"	-9.3	-8.5
	2B	N.A.			-9.3	- 8.3
SLW – Fern Q	1A 1B	N.A. N.A.	616 "	52.85 "	–10.1 <i>–</i> 9.6	-9.1 -8.8
m .	1C	N.A.	"	"	-10.0	-8.9
"	2A	N.A.	"	"	-10.0	-8.9
"	2B	N.A.	"	"	-10.2	-9.1
YPM 3	1A 1B	N.A.	601	52.88	-9.1 -9.2	-8.5
II .	2A	N.A. N.A.	"	"	-9.2 -9.3	-8.6 -8.6
m .	2B	N.A.	"	"	-9.5 -9.4	-8.9
YPM 1	1A	N.A.	571	52.96	-11.2	-8.3
"	1B	N.A.	"	"	-11.4	-8.3
"	2A	N.A.	"	"	-11.1	-8.5
YPM 36	2B 1A	N.A. N.A.	 521	53.09	–11.1 –10.9	-8.1 -8.9
1 F IVI 30	1B	N.A.	321	33.09	-10.9 -10.1	-0.9 -9.0
m .	1C	N.A.	"	"	-11.2	-9.5
"	1D	N.A.	"	"	-10.2	-9.2
"	2A	N.A.	"	"	-10.4	-9.2
" VDM 00	2B	N.A.	" 504	" 50.44	-10.4	- 9.3
YPM 39	1A 1B	4H "	501	53.14	–11.9 –11.3	-8.3 -8.2
"	2A	"	"		-11.3 -11.3	-8.2 -8.2
"	2B	"	"	"	-11.5	-8.2
D1434	1A	N.A.	496	53.15	-10.5	-8.2
"	1B	N.A.	"		-10.7	-7.9
MBF 41	1A 1B	N.A.	491	53.16	-11.3	-8.5
II .	1B 2A	N.A. N.A.	"	"	–11.2 –11.2	-8.1 -7.9
II .	2B	N.A.	"	"	-11.2 -11.1	-7.9
D1162	1A	3+H	481	53.19	-10.1	-9.7
"	1B	"	"	"	-10.1	-9.5
	2A	4.11			- 9.9	-8.8
D1250	1A 1B	4+H "	461	53.24	-9.6 -10.6	-9.0 -8.8
п	1C	"	"	"	-10.0 -10.9	-0.6 -9.5
"	2A	"	"	"	-10.0	-9.2
D1204	1A	3	442	53.29	-11.6	-8.7
"	1B			"	-11.4	-8.5
"	2A 2B		"		–11.0 –11.0	-8.4 -8.2
п	2C	"	"	"	-11.0 -11.3	-0.2 -9.5
m .	2D	"	"	"	-11.2	-8.6
YPM 320	1A	1	423	53.34	-12.1	-8.4
"	1B	"	"	"	-12.9	-10.0
"	2A 2B	"		"	–12.2 –12.5	–7.9 –8.1
D1217+10m	2B 1A	N.A.	422	53.34	-12.5 -11.4	-8.1 -8.5
"	1B	N.A.	"	"	-11.7	-8.7
"	2A	N.A.	"	"	-11.4	-8.8
" D4047.0	2B	N.A.	"	"	-11.5	-8.6
D1217+3m "	1A	1	415 "	53.36	-9.9 0.4	-8.4 0.0
"	1B 2A	"	"	"	-9.4 -10.3	-9.0 -8.9
m .	2B	"	"	"	-10.3 -10.1	-8.9 -8.9
D1410*	1A	N.A.	414	53.36	-11.7	- 8.1
"	1B	N.A.	"	"	-11.6	-8.1
" D4050	1C	N.A.	400	" "	-11.2	- 8.1
D1350	1A 1B	1	408	53.38	-12.4 -12.0	-8.4 -8.4
н	2A	"	"	"	-12.0 -11.6	-8.4 -8.3
	_, .					0.0

"	2B		"	"	-11.6	-8.3
YPM 220	1A	N.A.	405	53.38	-11.6	-8.4
"	1B 2A	N.A. N.A.	"	"	–11.5 –11.8	-8.4 -8.3
m .	2B	N.A.	"	"	-11.6 -11.4	-6.3 -8.3
YPM 271	1A	N.A.	400	53.40	-11.9	-8.3
"	1B	N.A.	"	"	-12.2	-8.6
"	2A 2B	N.A. N.A.			–12.5 –12.2	-8.5 -8.6
D1716*	1A	N.A.	397	53.40	-10.9	-10.2
	1B	N.A.	"	"	-10.2	-8.8
"	1C 1D	N.A. N.A.			-9.3 -9.5	–11.1 –8.8
u .	1E	N.A.	"		-9.5 -9.8	-8.4
YPM 127	1A	N.A.	390	53.42	-11.7	-8.3
"	1B	N.A.		"	-11.7	-8.2
н	2A 2B	N.A. N.A.	"	"	–11.6 –11.6	-9.0 -8.8
D1341	1A	2+H	384	53.44	-9.5	-8.6
"	1B		"	"	-9.4	-8.6
"	2A 2B	"	"	"	-9.7 -9.6	-8.1 -8.1
D1200	1A	3+	370	53.47	-9.5	-8.8
"	1B	"	"	"	-9.6	-8.5
"	2A 2B				-9.5 -10.7	-8.4 -8.1
D 1493	1A	N.A.	344	53.57	-10.7 -11.4	-8.3
D1289	1A	3	342	53.58	-10.7	-8.9
"	1B			"	-10.6	-8.9
"	2A 2B				-9.1 -9.4	-9.0 -8.7
YPM 458	1A	4+	324	53.65	- 8.5	-8.7
"	1B		"	"	-8.3	-8.5
"	2A 2B				-8.4 -8.4	-8.8 -8.6
D1931*	1A	N.A.	315	53.69	-8.9	-8.0
H	1B	N.A.			-8.9	-8.1
D1393+16.5m	1A 1B	3H "	313	53.70 "	-9.8 -9.7	-9.0 -8.9
u .	2A	"	"		-9.7 -9.2	-8.4
"	2B	"	"	"	-9.2	-8.5
D1369	1A 1B	5	292	53.78 "	–10.4 –10.5	-9.7 -8.3
m .	2A	"	"	"	-10.5 -10.7	-0.3 -9.7
"	2B	"	"	"	-10.2	-8.6
D1389	1A 1B	1	264	53.90	- 9.0	-8.2
н	2A	"	"	"	-9.2 -8.7	-8.3 -8.5
"	2B				-8.5	-8.3
" \/DM 070	3A		050	" 50.05	- 9.5	-8.1
YPM 373	1A 1B	N.A. N.A.	250	53.95 "	-8.2 -8.3	-8.3 -8.6
m .	2A	N.A.	"	"	- 8.5	-8.4
"	2B	N.A.	"		-8.4	-8.4
YPM 212	1A 1B	2H "	230	54.04 "	-9.1 -9.2	-8.3 -8.2
"	1C		"	"	-9.2 -9.1	-8.2
YPM 290N	1A	1	210	54.12	-9.7	-8.6
"	1B 2A	"	"	"	-9.6 -9.4	-8.7 -10.1
u .	2B	"	"		-9. 4 -8.8	-10.1 -8.3
YPM 363	1A	2	190	54.20	-10.1	-8.4
"	1B 2A	"	"	"	-10.3	-8.5
н	2B		"	"	-9.9 -9.8	–7.9 –7.8
PK-N-22	1A	N.A.	174.5	54.26	-9.4	-8.1
"	1B	N.A.	"	"	-9.4	-8.0
"	2A 2B	N.A. N.A.	"		-8.9 -10.3	–8.7 –7.8
YPM 389+2m	1A	1	172	54.27	-10.5 -9.5	-8.2
"	1B	"	"		-10.6	-9.2
"	2A 2B	"	"		–11.3 –10.8	-10.5 -9.8
YPM 389	1A	1	170	54.28	-8.6	-9.4

"	1B	"	"	"	-8.7	-8.7
"	2A	"	"	"	-10.9	-10.3
"	2B	"	"	"	-11.1	-10.5
YPM 92	1A	N.A.	140	54.40	-11.6	-9.3
"	1B	N.A.	"	"	-9.6	-8.1
"	2A	N.A.	"	"	-10.6	-8.6
"	2B	N.A.	"	"	-9.7	-8.2
YPM 207	1A	1+	140	54.40	-10.0	-8.5
"	1B	"		"	-9.9	-8.2
"	2A	"	"		- 9.9	-8.5
u .	2B	"			-10.1	-8.5
PK-N-17	1A	N.A.	130	54.44	-10.1	-8.1
"	1B	N.A.	"	"	- 9.8	-7.6
"	2A	N.A.	"	"	-9.8	-7.6
"	2B	N.A.		"	-9.5	-7.6
YPM 205+19m	1A	1	119	54.49	-9.9	-7.0 -8.6
"	1B	,	"	J4.43 "	-9.9	-8.4
"	2A				-9.9 -8.9	-8.4 -8.4
"	2B				-0.9 -9.5	-8.4 -8.4
VDM 200+4m	2B 1A	1+	84	E4 62	-9.5 -11.0	-0.4 -8.4
YPM 200+4m		ļŦ "	0 4 "	54.63 "		
	1B				-12.8	-7.0
YPM95	1A	N.A.	50 "	54.77	-10.5	-9.0
	1B	N.A.	"		-10.5	- 9.1
	1C	N.A.			-10.4	-8.8
YPM95	2A	N.A.		"	-10.1	-7.8
"	2B	N.A.			-9.8	-7.5
PK-N-9	1A	N.A.	47	54.78	-13.5	-7.6
"	1B	N.A.	"	"	-13.6	- 7.5
"	1C	N.A.		"	-14.1	-6.4
"	1D	N.A.	"		-14.7	-7.4
"	2A	N.A.	"	"	-14.3	-6.3
"	2B	N.A.	"	"	-13.8	<i>–</i> 5.8
PK-N-8	1A	N.A.	35	54.83	-12.7	- 7.8
"	1B	N.A.	"	"	-13.1	-7.8
"	2A	N.A.	"	"	-13.4	-6.7
"	2B	N.A.	"	"	-12.9	-7.7
PK-N-7	1A	N.A.	20	54.89	-14.3	-7.4
"	1B	N.A.	"	"	-14.3	-7.2
"	2A	N.A.	"	"	-13.9	- 7.1
"	2B	N.A.	"	"	-14.4	-6.6
PK-N-6	1A	N.A.	9	54.94	-13.7	-7.7
"	1B	N.A.	"	"	-14.2	-7.8
D 1887	1A	N.A.	5	54.95	-14.1	-7.7
"	1B	N.A.	"	"	-13.1	-8.1
"	2A	N.A.	"	"	-12.4	-8.2
"	2B	N.A.		"	-12.9	-8.0
Spar Data						
YPM 39	S1		501	53.14	-13.8	-12.3
D1162	S1	3+H	481	53.19	-17.3	-16.0
"	S2	"	"	"	-15.7	-16.8
D1250	S1	4+H	461	53.24	-11.5	-20.9
"	S2	"		"	-10.9	-20.2
YPM 320	S1	1	423	53.34	-12.4	-18.9
YPM 220	S	N.A.	405	53.38	-12.8	-19.8
YPM 271	S	N.A.	400	53.40	-10.8	-7.6
YPM 363	S	N.A.	190	54.20	-10.6 -10.4	-7.0 -7.9
YPM 200+4m	S1	1+	84	54.63	-10. 4 -19.2	-7.3 -9.8
"	S2	"	"	J4.0J	-19.2 -19.6	-9.0 -9.7
PK-N-6	S1	N.A.	9	54.94	-19.0 -24.7	-9.7 -14.8
	S2	N.A.	9	UT.UT	-24.7 -24.7	-14.0 -14.7
	02	11.∕\.			- <u>-</u>	-14.7

[§]NN = Nodule sample number, where each number represents a different soil nodule from the same locality, and letters indicate separate samples from the same nodule.

* = data for bone encrusting micrite from Bao et al. (1998).

REFERENCES CITED

S = data from sparry cement.

†PMS, Paleosol Maturity Scale ranges from 1 (least mature) to 5 (most mature) (Bown and Kraus, 1987), H indicates a hydromorphic soil.

N.A. = data were not available.

Bao, H., Koch, P.L., and Hepple, R.P., 1998, Hematite and calcite coatings on fossil vertebrates: Journal of Sedimentary Research A, v. 68, p. 727–738.

Bown, T.M., and Kraus, M.J., 1987, Intergration of channel and flood-plain suites, I: Developmental sequence and lateral relations of alluvial paleosols: Journal of Sedimentary Petrology, v. 57, p. 587–601.

APPENDIX 2. SOIL CARBONATE ISOTOPE DATA FROM THE McCULLOUGH PEAKS

Locality	N	Level (m)	Age (Ma)	δ ¹³ C (‰,PDB)	δ ¹⁸ Ο (‰,PDB)
WC-Nods-92041N	1A	2566	52.68	-11.2	-7.8
II .	1B	"	"	-11.0	-7.6
"	2A	"	"	-10.9	-7.4
"	2B			-11.0	- 7.5
"	3A	"	"	-11.1	-8.9
"	4A 5A	"	"	–11.1 –11.1	–7.7 –7.2
II .	6A	"	"	-10.9	-7.2 -7.4
WC-Nods-92040N	1A	2557	52.69	-10.5	-9.2
"	1B	"	"	-10.2	-9.3
"	2A	"	"	-10.6	-8.4
"	2B	"	"	-10.3	<u>-9.1</u>
WC-Nods-92039N	1A 1B	2452	52.85	-10.4 -10.3	–7.8
"	2A	"		-10.3 -10.0	–7.9 –7.7
II .	2B	"	"	-10.0 -10.2	-7.6
WC-Nods-92038N	1A	2437	52.88	-10.8	-8.1
"	1B	"	"	-10.6	-7.9
"	2A	"	"	-10.1	- 7.7
	2B	"		-10.6	-7.8
"	3A	" "	"	-10.3	-7.9
"	3B 3C	"	"	–10.5 –10.4	–7.8 –7.8
II .	3D	"	"	-10. 4 -9.9	-7.5 -7.5
WC-Nods-92036N	1A	2385	52.95	-10.0	-8.1
"	1B	"	"	-9.7	-8.3
II .	2A	"	"	-9.7	-8.0
"	2B	"	"	-9.7	-8.0
WC-Nods-92037N	1A	2375	52.97	-8.5	-8.6
II .	1B 2A			-8.4 -8.6	-8.5 -8.2
II .	2B	"	"	-8.3	-8.2
WC-Nods-92035N	1A	2332	53.03	-10.6	-8.1
"	1B	"	"	-10.7	-8.0
II .	2A	"	"	-10.2	-8.5
"	2B	"	"	-10.4	-8.0
WC-Nods-92034N	1A	2327	53.03	-12.4 -12.6	–7.9
II .	1B 2A		"	-12.6 -11.7	–7.7 –8.4
II .	2B	"	"	-11.7 -11.8	-8.6
WC-Nods-92033N	1A	2256	53.13	-9.2	-8.1
"	1B	"	"	-9.4	-8.5
"	2A	"	"	-8.9	-8.6
	2B			-9.4	-8.2
WC-Nods-92031N	1A 1B	2194	53.22	–10.1 –9.9	-8.1 -8.4
II .	2A	"	"	-9.9	-8.3
II .	2B	"	"	- 9.7	-8.0
"	3A	"	"	-9.3	-10.3
"	4A	"	"	-9.9	-8.3
WC-Nods-92031N	5A	2194	53.22	-10.7	-8.5
 WC-Nods-92032N	6A 1A	2179	53.24	–10.2 –9.1	-8.3 -8.3
"	1B	2179	33.24	-9.1 -9.1	-8.3
WC-Nods-92032N	2A	2179	53.24	- 9.0	-8.4
"	2B	"	"	-9.1	-8.1
"	3A	"	"	-9.5	-8.2
"	3B	"		-8.4	-8.4
"	3D	"		-8.3	-8.3
"	3D 4A	"	"	-8.6 -8.9	-8.3 -8.3
п	5A	"	"	-8.8	-8.3
п	6A	"	"	- 9.0	-8.3
WC-Nods-92030N	1A	2165	53.26	-9.1	-7.7
"	1B	"	"	-9.2	-7.6
"	2A	"	"	-9.4	-8.0 9.1
	2B			-9.2	- 8.1

WC-Nods-92029N	1A 1B	2117	53.32	-9.8 -9.3	-9.1 -8.5
	2A 2B	"		-9.6 -9.6	-9.7 -9.0
WC-Nods-92028N	1A	2112	53.33	-10.0	-7.7
"	1B 2A	"		-9.9 -9.0	–7.7 –8.3
n .	2B	"	"	-9.2	-8.2
"	3A 3B	"	"	-9.5 -9.6	-8.2 -8.2
"	3C		"	-9.6 -9.5	-8.2 -8.2
"	3D	"	"	-9.5	-8.2
WC-Nods-92027N	1A 1B	2108	53.34 "	-12.0 -12.0	-8.0 -7.8
п	2A	"	"	-10.9	-8.5
" WC-Nods-92025N	2B 1A	2098	" 53.35	–11.7 –10.2	–8.4 –7.8
"	1B	2090	"	-10.2 -10.5	-7.8 -8.0
"	2A	"	"	-10.9	-8.0
 WC-Nods-92026N	2B 1A	2093	53.36	-10.7 -9.2	–7.6 –8.5
"	1B	"	"	-9.3	-8.5
"	2A 2B	"	"	-9.0 -8.9	-8.3 -8.5
WC-Nods-92023N	1A	2084	53.37	-0.9 -10.2	-0.5 -7.9
"	1B	"	"	-10.5	-8.1
"	2A 2B	"		-9.5 -9.8	–8.1 –8.5
WC-Nods-92022N	1A	2041	53.43	-9.1	-7.5
"	1B	"	"	-8.9	-7.3
	2A 2B	"	"	-10.6 -10.7	–8.1 –8.1
WC-Nods-92021N	1A	2036	53.42	-9.5	-8.5
"	1B 2A	"	"	-9.5 -9.7	-8.8 -8.4
п	2A 2B	"	"	-9.7 -9.1	-0.4 -8.5
"	3A	"	"	-9.4	-8.4
"	4A 5A	"	"	-9.3 -9.1	-8.3 -8.3
n .	6A	"		-9.1 -9.4	-8.1
WC-Nods-92020N	1A	2022	53.45	-9.4	-8.5
	1B 2A	"	"	-9.6 -8.9	-8.4 -8.2
"	2B	"	"	-8.9	-8.3
WC-Nods-92018N	1A 1B	2006	53.47	-9.1 -9.2	-8.4 -8.5
u .	2A	"	"	-9.2 -8.7	-6.5 -7.9
"	2B	"		-8.8	-7.9
WC-Nods-92017N	1A 1B	1998	53.49 "	-9.4 -9.0	-8.1 -8.3
п	2A	"	"	-9.1	-8.1
"	2B	1000	" "	-9.1	-8.2
WC-Nods-92019N	1A 1B	1993 "	53.50 "	-9.4 -9.9	-8.5 -9.3
п	2A	"	"	-9.5	-8.6
" WC-Nods-92015N	2B 1A	" 1993	" 53.50	-9.3 -9.9	–8.7 –8.8
"	1B	"	"	-9.9 -10.2	-8.7
"	2A	"	"	-9.3	-8.4
WC-Nods-92016N	2B 1A	1979	53.52	-9.6 -11.3	-8.6 -8.5
"	1B	"	"	-11.3	-8.4
"	2A	"	"	-9.8 -9.5	-8.6 8.4
WC-Nods-92014N	2B 1A	1969	53.54	-9.5 -10.4	-8.4 -8.4
"	1B	"	"	-10.2	-7.9
"	2A 2B			-9.8 -9.6	–8.3 –7.8
II .	3A	"	"	-9.9	-8.1
"	3B	"	"	- 9.9	-8.4
п	3C 3D	"	"	-9.9 -9.9	–8.1 –8.5
WC-Nods-92013N	1A	1959	53.56	-8.6	-8.7
"	1B	"	"	-8.6	-8.7

"	2A		"	-8.5	-8.5
" WC-Nods-92012N	2B 1A	" 1950	" 53.58	-8.5 -9.3	-8.4 -8.7
"	1B	"	"	-9.2	-8.8
"	2A	"	"	- 9.1	-8.9
WC-Nods-92009N	2B 1A	1945	53.59	-8.9 -8.9	-8.4 -8.8
" WC-Nods-92009N	1B 2A	" 1945	" 53.59	-9.0 -8.9	-8.4 -8.1
"	2B	"	"	-8.9	-8.2
WC-Nods-92008N	1A 1B	1921 "	53.63	-8.2 -8.1	-8.4 -8.4
п	2A	"	"	-9.0	-8.0
"	2B 3A	"	"	-8.7	-8.2
n	3B	"	"	-8.3 -8.3	-8.1 -8.0
	3C	"	"	-8.3	-8.2
" WC-Nods-92010N	3D 1A	" 1907	53.66	-8.4 -8.8	-8.2 -8.3
"	1B	"	"	-8.8	-8.4
"	2A	"	"	-8.8	-8.1
WC-Nods-92024N	2B 1A	1883	53.70	-9.0 -8.5	-8.9 -8.3
"	1B	"	"	-8.5	_7.9
"	2A	"	"	-9.4	-8.5 -8.5
WC-Nods-92011N	2B 1A	1816	53.83	-8.8 -9.2	-8.5 -8.3
"	1B	"	"	-9.4	-8.5
"	2A 2B	"	"	-9.0 -8.9	-8.2 -8.1
•	3A	"	"	-8.9	-8.4
"	4A		"	-9.4	-8.1
"	5A 6A	"	"	-8.8 -9.5	-8.6 -8.3
WC-Nods-92007N	1A	1740	53.97	-9.8	-8.1
"	1B	"	"	-9.8	-7.8
	2A 2B		"	-9.7 -9.6	-8.0 -7.9
WC-Nods-92005N	1A	1558	54.30	-9.0	-8.6
"	1B 2A	"	"	-9.1 -8.2	-8.7 -7.7
n	2B	"	"	-8.3	-7.7 -7.9
WC-Nods-92006N	1A	1549	54.32	-10.1	-8.8
"	1B 2A		"	-10.2 -9.9	-8.7 -8.4
"	2B	"	"	-9.9	-8.4
WC-Nods-92004N	1A	1453	54.50	-9.1	-8.1
"	1B 2A	"	"	-8.8 -8.8	-8.1 -8.1
"	2B	"	"	-9.6	-8.4
WC-Nods-92003N	1A 1B	1328	54.73	-9.0 -9.5	-7.8 7.0
"	2A	"	"	-9.5 -9.0	–7.9 –7.7
"	2B	"	"	-8.9	-7.7
WC-Nods-92002N	1A 1B	1300	54.78 "	-9.6 -9.6	-8.0 -7.8
"	2A	"	"	-9.5	-8.0
"	2B	1000	"	-9.5	-7.9
WC-Nods-92002N	3A 4A	1300	54.78 "	-9.6 -9.5	-8.0 -8.2
"	5A	"	"	-10.2	-7.6
" FC 61 2	6A	1204	" E4.06	-9.1	–7.9
FG 61-2 WC-Nods-92001N	1A 1A	1204 1195	54.96 54.97	–15.1 –14.8	-7.7 -7.2
"	1B	"	"	-15.9	-7.7
"	2A 2B		"	–14.9 –15.2	-7.4 -7.4
FG 61-1	2B 1A	1195	54.97	-15.2 -15.7	−7.4 −7.7
"	1B	. "	"	-15.5	-7.9

Note: Same as for Appendix 1.

APPENDIX 3. ORGANIC MATTER ISOTOPE VALUES

-	ISOTOPE VA	ALUES		
Locality	Type	Level	Age	$\delta^{13}C$
		(m)	(Ma)	(‰,PDB)
Clarks Fork Basin				
SC 295	Nod Org	2210	53.55	-25.2
SC 303	Nod Org	2110	53.75	-24.7
SC 148	Nod Org	2050	53.88	-25.7
SC 112	Nod Org	2020	53.94	-24.9
SC 111	Nod Org	2005	53.97	-25.0
SC 35	Nod Org	1870	54.25	-24.7
SC 33	Nod Org	1840	54.31	-24.8
SC 224	Nod Org	1815	54.36	-24.5
SC 133	Nod Org	1750	54.50	-24.9
SC 160	Nod Org	1720	54.56	-25.1
SC 15	Nod Org	1630	54.75	-24.8
SLW 9812	Cuticle	1570	54.87	-23.8
SC 4	Nod Org	1570	54.87	-24.9
SC67-NOD9	Nod Org	1560	54.89	-25.0
SC67-NOD8	Nod Org	1549	54.91	-25.1
SC351-NOD6	Nod Org	1538	54.94	-25.0
SC351-NOD5	Nod Org	1534	54.94	-25.4
SC67-NOD 6	Nod Org	1534	54.94	-25.5
SC351-NOD4	Nod Org	1532	54.95	-25.3
SC67-NOD5	Nod Org	1527	54.96	-25.1
SC351-NOD2	Nod Org	1525	54.96	-25.4
SC351-NOD1	Nod Org	1524	54.97	-25.4
SC67-NOD4	Nod Org	1524	54.97	-25.4
SC67-NOD3	Nod Org	1520	54.97	-25.6
SC 23	Nod Org	1495	55.03	-25.0
SC 80	Nod Org	1495	55.03	-24.9
SC 80-L	Nod Org	1492	55.03	-25.1
SLW 9715	Cuticle	1470	55.08	-24.2
SC 22	Nod Org	1460	55.10	-25.0
SC 20	Nod Org	1380	55.26	-25.3
SC 117-above	Nod Org	1380	55.26	-24.8
PK-N-1380-1	Nod Org	1380	55.26	-2 4 .0
SC 176	Nod Org	1355	55.31	-23.1 -24.2
SC 176	Nod Org	1355	55.31	-24.2 -24.3
SLW 992	Cuticle	1195	55.65	-24.3 -25.7
SLW 993	Cuticle	1195	55.65	-24.3
SC 179	Nod Org	1080	55.88	-24.6
SC179	Nod Org	1015	56.01	-25.3
SC 185	Nod Org	940	56.16	-23.3 -24.4
SC 165 SC 85	Nod Org	860	56.31	-24.4 -22.5
SC 165	Nod Org	820	56.39	-25.6
SC 198	Nod Org	760	56.61	-25.4
SC 279	Nod Org	680	56.90	-25.4 -25.4
SC 242	Nod Org	590	57.23	-23.4 -24.5
SC 246	Nod Org	520	57.48	-23.9
S. Bighorn Basi	n			
SLW 8822	Cuticle	621	52.83	-28.9
SLW 8822	Cuticle	621	52.83	-28.5
SLW 8822	Cuticle	621	52.83	-27.2
SLW 8822	Cuticle	621	52.83	-27.2
LJH 9915	Cuticle	429	54.56	-26.3
SLW 882	Cuticle	420	53.35	-27.7
SLW 882	Cuticle	420	53.35	-27.6
SLW 882	Cuticle	420	53.35	-27.8
SLW 882	Cuticle	420	53.35	-27.7
SLW H	Cuticle	420	53.35	-26.9
DCF	Cuticle	353	53.53	-26.6
DCF	Cuticle	353	53.53	-26.1
SLW 826	Cuticle	90	54.61	-28.7
SLW 826	Cuticle	90	54.61	-28.5
SLW 826	Cuticle	90	54.61	-28.8
SLW 9050	Cuticle	-25	55.08	-20.0 -27.0
SLW 9030 SLW 9434	Cuticle	-25 -30	55.06	-27.0 -22.5
SLW 9411	Cuticle	-50 -50	55.18	-22.3 -23.8
SLW 9411	Cuticle	-100	55.38	-23.8 -29.8
Note: Nod Org, orga				-20.0
740to. 140d Org, Org	aino manti ili	cai por iate	iouuica.	