Table 1. Isotopic data from Wind River Range, Wyoming

Meter*	$\delta^{18}O$	$\delta^{13}C$	$^{87}Sr/^{86}Sr$ˇ	carb.#
0.0	-7.67	0.31	0.709213 ±11	M
0.2	-7.57	0.24	0.709240 ±9	M
0.5	-7.69	0.31	0.709248 ±11	M
0.7	-7.65	0.01		M, P
1.2	-7.75	0.30		M, P
1.5	-8.11	0.08		Sp
1.7	-7.68	0.32	0.709205 ±11	M
2.0	-7.56	0.36		T, Sp
2.2	-7.80	0.42		M
2.5	-7.50	0.37	0.709218 ±9	M
3.0	-7.50	0.31	0.709202 ±11	M
3.2	-7.62	0.47	0.709140 ±10	M
3.5	-7.47	0.45		T, Sp
3.7	-7.60	0.44	0.709171 ±11	M
4.0	-7.49	0.33		Sp
4.5	-7.42	0.59	0.709140 ±10	M
4.7	-7.86	0.51		M
5.5	-7.63	0.47		Sp
5.7	-8.00	0.56		M
5.8	-7.97	0.68		M
5.9	-7.56	0.73	0.709101 ±9	B, Sp
6.0	-7.55	0.76		B, Sp
6.1	-7.54	0.86	0.709113 ±9	M
6.2	-7.74	0.83		M
6.3	-7.86	0.49		M
6.5	-7.75	0.83		M
7.0	-7.57	0.91		M
7.5	-7.43	1.11		M
8.0	-7.49	1.05	0.709102 ±10	M
8.5	-7.70	0.82		M
9.0	-7.72	0.85		M
9.5	-7.45	0.98		M
10.0	-7.37	1.04		M
10.5	-7.44	0.95	0.709099 ±10	M
11.0	-7.52	0.93		M
11.5	-7.52	0.95		M
12.0	-7.59	0.76		M
12.5	-7.69	0.68		M
13.0	-7.68	0.88	0.709097 ±9	M
13.5	-7.74	0.75		M
14.0	-7.65	0.51		M
14.5	-7.77	0.62		M
15.0	-7.19	0.93		Sp
15.5	-7.37	1.04		M
16.0	-7.42	0.91		M
16.5	-7.52	0.80		M
17.0	-7.16	0.99	0.709102 ±9	M
17.5	-7.40	0.91		M
18.0	-7.39	0.88		M
18.5	-7.47	0.84		M
19.0	-7.35	0.83		M
20.0	-7.27	0.80		M
20.5	-7.39	0.77		M
21.0	-6.85	0.75		M,Sp

*Meters above base of Open Door Formation

#Carbonate components: M = micrite, Sp = microspar, B = brachipod, P = micrite pebble, T= trilobite

ˇAbsolute error for Sr values are $(2\sigma) \times 10^{-6}$ of the mean

Table 2. Isotopic data from Granite Falls, Gros Ventre Range, Wyoming

Meter*	$\delta^{18}O$	$\delta^{13}C$	Lith.#
0.60	-7.05	-0.05	peb
5.09	-7.72	-0.07	ooi
6.38	-7.51	-0.03	peb
6.53	-7.52	0.00	peb
7.98	-7.71	0.20	mic
8.89	-7.57	0.22	mic
9.12	-7.39	0.27	mic
9.50	-7.66	0.05	mic
9.80	-7.67	0.16	ooi
9.88	-7.66	0.06	ooi
10.64	-7.68	0.29	mic
11.40	-7.50	0.17	peb
11.78	-7.59	0.33	mic
12.16	-7.69	0.30	mic
12.69	-7.82	0.22	mic
12.92	-7.63	0.27	mic
13.37	-7.28	0.23	mic
13.68	-7.80	0.14	mic
14.21	-7.71	0.34	ooi
14.44	-7.54	0.41	ooi
14.82	-7.51	0.35	mic
14.80	-7.74	0.31	mic
15.50	-7.68	0.43	ooi
16.56	-6.82	0.52	mic
17.48	-3.63	0.84	sp
18.24	-7.18	0.64	mic
19.00	-6.47	0.53	sp
19.76	-7.31	0.59	mic
20.52	-6.19	0.52	mic
22.04	-1.97	1.08	sp-dol

*Meters are from base of Open Door Limestone

#Carbonate lithologies include: sp=skeletal packstone (mostly sparry calcite), mic=lime mudstone, peb=micritic intraclast, ooi=muddy oolite, dol=dolomitic

Table 3. Isotopic data from House Range, Utah

Meter*	$\delta^{18}O$	$\delta^{13}C$	Carb.#	Meter*	$\delta^{18}O$	$\delta^{13}C$	Carb.#
201.00	-9.80	0.11	mic	226.74	-11.17	-0.20	mic
205.50	-9.19	0.59	mic	226.75	-10.89	0.18	mic
206.00	-9.46	0.54	mic	226.76	-11.55	0.46	mic
210.00	-9.47	0.25	mic	226.77	-9.56	0.60	mic
214.50	-9.30	0.45	mic	226.80	-9.28	0.75	mic
215.00	-9.00	0.17	mic	226.90	-9.04	1.02	mic
215.50	-9.43	0.64	mic	227.00	-9.20	0.89	mic
216.00	-8.99	0.65	mic	227.50	-9.28	1.09	mic
217.00	-9.68	0.57	mic	227.60	-10.47	0.91	mic
217.50	-9.12	0.47	mic	228.00	-9.07	1.24	mic
218.00	-9.86	0.39	mic	229.50	-9.21	1.37	mic
219.00	-8.96	0.56	mic	230.70	-9.27	2.55	mic
222.00	-9.62	0.72	mic	231.00	-9.21	2.55	mic
225.00	-9.73	0.66	mic	231.50	-9.02	2.76	mic
226.10	-13.70	0.44	mic	232.50	-8.77	1.54	mic
226.20	-12.66	0.61	mic	237.00	-8.73	1.46	mic
226.30	-12.58	0.41	mic	240.00	-8.48	1.16	mic
226.40	-10.37	0.61	mic	243.00	-11.20	1.07	mic
226.45	-9.46	0.79	mic	244.50	-9.06	1.21	mic
226.50	-9.81	0.69	mic	246.75	-10.45	1.34	mic
226.60	-9.31	0.63	mic	249.00	-10.97	0.96	mic
226.66	-10.07	-0.30	mic	250.50	-8.78	1.15	mic
226.70	-9.04	0.65	mic	252.00	-10.09	1.35	mic
226.73	-8.88	0.70	mic	253.50	-9.18	1.21	mic

*Meters above base of Pterocephaliid biomere
#all lithologies are micrites

Table 4. Isotopic data from McGill, Nevada

Meter*	$\delta^{18}O$	$\delta^{13}C$	Carb.#
0.00	0.66	-11.00	mic
0.38	0.72	-9.00	mic
0.75	0.73	-9.15	mic
1.50	0.72	-10.02	mic
2.63	0.86	-9.60	mic
3.00	0.84	-9.47	mic
3.38	0.96	-9.51	mic
3.75	0.95	-8.71	mic
4.50	0.82	-9.52	mic
4.88	0.93	-9.18	mic
5.40	0.71	-10.07	mic
5.85	0.61	-9.87	mic
6.00	0.67	-9.42	mic
6.38	0.68	-9.44	mic
6.75	0.63	-9.51	mic
7.50	1.67	-17.74	mic
7.88	0.96	-10.51	mic
8.25	1.06	-10.61	mic
9.00	1.62	-15.66	mic
9.75	1.89	-12.89	mic
10.50	1.41	-11.47	mic
11.25	1.19	-9.90	mic
12.00	1.14	-10.31	mic
12.75	1.10	-9.76	mic
14.25	0.88	-10.64	mic
15.75	0.99	-10.07	mic
16.50	1.02	-10.05	mic

*Meters are from near top of *Elvinia* Zone in the Barton Canyon Limestone
#Carbonate lithologies are all micrites