

Table 1: List of localities per time unit for North America, small mammals. The columns indicate the identifier and name of the locality, the age bounds, the coordinates (latitude; longitude), the average hypsodonty (H) as well as the number of distinct orders, of genera and of species recorded (Nbs).

Locality		Age (Ma)	Coordinates	H	Nbs
Orellan		33.90–32.10	16 localities		
10045	California CC10II	33.90–32.10	38.556 ; -121.469	-	1/ 1/ 1
10288	Central Great Plains CP40B	33.90–32.10	42.667 ; -105.250	1.27	2/ 5/ 5
10290	Central Great Plains CP41B	33.90–32.10	43.050 ; -104.470	1.36	5/13/13
10295	Central Great Plains CP42C	33.90–32.10	42.090 ; -104.360	1.00	1/ 1/ 1
10304	Central Great Plains CP46	33.90–32.10	41.146 ; -104.802	1.25	5/20/24
10352	Central Great Plains CP68C	33.90–32.10	40.579 ; -103.358	1.08	6/30/35
10385	Central Great Plains CP84A	33.90–32.10	45.600 ; -103.600	1.22	4/21/33
10416	Central Great Plains CP99A	33.90–32.10	40.810 ; -96.675	1.16	5/31/47
10756	Northern Great Plains NP10B3	33.90–32.10	54.500 ; -105.681	1.00	1/ 1/ 1
10757	Northern Great Plains NP10BB	33.40–32.50	54.500 ; -105.681	1.00	4/ 6/ 7
10817	Northern Great Plains NP27C1	33.90–33.40	46.596 ; -112.027	1.00	3/ 4/ 7
10818	Northern Great Plains NP27D	33.90–33.40	46.596 ; -112.027	1.00	3/ 5/ 7
10829	Northern Great Plains NP30B	33.90–32.10	46.596 ; -112.027	1.00	1/ 3/ 3
10833	Northern Great Plains NP32B	33.10–32.10	46.596 ; -112.027	1.17	3/ 9/14
10834	Northern Great Plains NP32C	32.50–32.10	46.596 ; -112.027	1.00	4/20/30
10885	Northern Great Plains NP50B	33.90–32.10	46.813 ; -100.779	1.00	3/10/13
Whitneyan		32.10–29.75	10 localities		
10291	Central Great Plains CP41C	32.10–29.75	43.050 ; -104.470	1.33	2/ 2/ 2
10353	Central Great Plains CP68D	31.40–29.75	39.739 ; -104.985	1.50	3/ 3/ 3
10386	Central Great Plains CP84B	32.10–29.75	44.500 ; -100.000	1.17	5/21/34
10389	Central Great Plains CP85A	31.40–29.75	43.083 ; -102.333	2.00	5/18/19
10417	Central Great Plains CP99B	32.10–29.75	40.810 ; -96.675	1.35	4/16/19
10761	Northern Great Plains NP10C	32.10–31.40	54.500 ; -105.681	1.00	3/ 3/ 3
10762	Northern Great Plains NP10C2	31.40–29.75	54.500 ; -105.681	1.00	4/10/11
10886	Northern Great Plains NP50C	32.10–29.75	46.813 ; -100.779	1.13	1/ 1/ 3
10888	Northern Great Plains NP51A	32.10–29.75	47.446 ; -102.932	1.00	2/ 2/ 2
10906	Pacific Northwest PN6C	31.40–29.75	44.931 ; -123.029	1.00	2/ 6/ 6
Arikareean-1		29.75–28.00	18 localities		
10034	California CC9C	29.75–28.00	34.283 ; -118.917	1.36	2/ 2/ 2
10035	California CC9D	29.75–28.00	34.322 ; -118.786	1.22	2/ 3/ 3
10038	California CC9III A	29.75–28.00	34.248 ; -118.813	-	3/ 3/ 3
10041	California CC9IV B	29.75–28.00	33.717 ; -117.696	3.00	1/ 3/ 3
10048	California CC12	29.75–28.00	40.667 ; -117.958	1.80	3/ 7/ 7
10306	Central Great Plains CP47	29.75–28.00	44.118 ; -107.117	2.00	2/ 4/ 4
10307	Central Great Plains CP48	29.75–28.00	42.672 ; -104.756	1.82	2/ 4/ 6
10308	Central Great Plains CP49A	29.75–28.00	41.146 ; -104.802	-	2/ 4/ 5
10390	Central Great Plains CP85B	29.75–28.00	43.390 ; -102.465	1.80	2/ 3/ 3
10391	Central Great Plains CP85C	29.75–28.00	43.083 ; -102.333	1.33	3/29/37
10393	Central Great Plains CP86A	29.75–28.00	43.339 ; -102.354	1.43	3/ 5/ 5
10418	Central Great Plains CP99C	29.75–28.00	40.810 ; -96.675	1.73	2/ 9/10
10423	Central Great Plains CP100III	29.75–28.00	40.810 ; -96.675	-	1/ 1/ 1
10424	Central Great Plains CP101	29.75–28.00	41.615 ; -103.251	1.65	5/27/29
10845	Northern Great Plains NP36A	29.75–28.00	46.532 ; -112.919	1.00	4/13/13
10907	Pacific Northwest PN6D	29.75–28.00	44.665 ; -119.668	1.00	4/15/16
10908	Pacific Northwest PN6E	29.75–28.00	44.931 ; -123.029	1.00	2/14/15
11098	Southern Great Basin SB45	29.75–28.00	30.267 ; -97.764	-	1/ 1/ 1

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Locality		Age	Coordinates	H	Nbs
Arikareean-2		28.00–22.20	14 localities		
10049	California CC13	28.00–22.20	34.918 ; -118.965	1.00	1/ 2/ 2
10300	Central Great Plains CP45B	28.00–22.20	43.938 ; -110.550	1.00	2/ 4/ 4
10309	Central Great Plains CP49B	28.00–22.20	41.663 ; -104.260	1.40	1/ 2/ 2
10312	Central Great Plains CP50	28.00–22.20	42.653 ; -104.824	1.93	1/ 2/ 3
10394	Central Great Plains CP86B	28.00–22.20	43.180 ; -102.420	1.55	3/24/30
10425	Central Great Plains CP102	28.00–22.20	42.113 ; -103.771	1.86	1/ 3/ 3
10547	Gulf Coast GC8AA	28.00–22.20	28.058 ; -82.357	1.00	3/ 6/ 7
10548	Gulf Coast GC8AB	28.00–22.20	28.133 ; -81.632	1.17	3/ 5/ 5
10764	Northern Great Plains NP10CC	28.00–22.20	54.500 ; -105.681	1.44	4/32/35
10846	Northern Great Plains NP36B	28.00–22.20	46.631 ; -113.028	1.00	4/21/23
10848	Northern Great Plains NP36D	28.00–22.20	46.596 ; -112.027	1.00	4/12/12
10850	Northern Great Plains NP37	28.00–22.20	46.653 ; -111.694	1.57	2/ 2/ 2
10909	Pacific Northwest PN6F	28.00–22.20	44.931 ; -123.029	1.00	3/23/33
10936	Pacific Northwest PN17	28.00–22.20	42.543 ; -112.908	1.00	1/ 1/ 1
Arikareean-3		22.20–19.09	17 localities		
10315	Central Great Plains CP52	22.20–19.09	42.908 ; -104.422	1.50	2/ 6/ 8
10355	Central Great Plains CP69II	22.20–19.09	39.739 ; -104.985	-	1/ 1/ 1
10395	Central Great Plains CP86C	22.20–19.09	43.464 ; -101.655	1.20	2/ 6/ 9
10426	Central Great Plains CP103A	22.20–19.09	42.419 ; -103.801	1.32	2/24/28
10427	Central Great Plains CP103B	22.20–19.09	42.795 ; -100.994	-	3/ 8/ 8
10428	Central Great Plains CP103II	22.20–19.09	41.712 ; -103.686	-	1/ 2/ 2
10538	Gulf Coast GC5A	22.20–19.09	31.158 ; -93.552	1.18	2/ 3/ 4
10550	Gulf Coast GC8B	22.20–19.09	28.642 ; -82.427	1.09	2/ 7/ 7
10619	Canadian High Arctic HA2	22.20–19.09	75.133 ; -87.850	-	1/ 0/ 0
10836	Northern Great Plains NP33B	22.20–19.09	44.892 ; -112.360	1.00	1/ 2/ 2
10839	Northern Great Plains NP34C	22.20–19.09	46.621 ; -111.098	1.50	3/11/11
10851	Northern Great Plains NP38A	22.20–19.09	46.596 ; -112.027	2.00	1/ 1/ 1
10910	Pacific Northwest PN6G	22.20–19.09	44.931 ; -123.029	1.00	3/30/37
10911	Pacific Northwest PN6H	22.20–19.09	44.760 ; -121.295	1.00	1/ 9/ 9
10957	Southern Great Basin SB3	22.20–19.09	32.725 ; -114.624	3.00	1/ 1/ 1
11099	Southern Great Basin SB46	22.20–19.09	29.167 ; -103.500	1.40	3/ 4/ 4
11100	Southern Great Basin SB47	22.20–19.09	29.329 ; -104.032	1.50	2/ 2/ 2
Arikareean-4		19.09–18.50	7 localities		
10051	California CC15	19.09–18.50	34.469 ; -118.430	2.25	2/ 2/ 3
10313	Central Great Plains CP51A	19.09–18.50	41.691 ; -104.744	1.40	2/ 6/ 8
10396	Central Great Plains CP86D	19.09–18.50	43.390 ; -102.465	1.47	3/17/23
10429	Central Great Plains CP104A	19.09–18.50	42.417 ; -103.727	1.31	3/ 3/ 4
10430	Central Great Plains CP104B	19.09–18.50	42.445 ; -103.729	1.36	1/ 2/ 2
10913	Pacific Northwest PN6J	19.09–18.50	44.931 ; -123.029	1.00	2/ 2/ 2
11018	Southern Great Basin SB29A	19.09–18.50	35.458 ; -106.809	3.00	2/ 3/ 4
Hemingfordian-1		18.50–17.34	22 localities		
10039	California CC9IIIB	18.50–17.34	38.556 ; -121.469	-	2/ 3/ 3
10043	California CC9IVD	18.50–17.34	38.556 ; -121.469	1.71	2/11/12
10052	California CC16	18.50–17.34	38.556 ; -121.469	1.50	1/ 1/ 1
10053	California CC17A	18.50–17.34	38.556 ; -121.469	2.00	1/ 2/ 2
10314	Central Great Plains CP51B	18.50–17.34	42.670 ; -104.084	1.33	2/ 5/ 6
10357	Central Great Plains CP71	18.50–17.34	40.902 ; -103.270	1.56	3/21/23
10365	Central Great Plains CP74A	18.50–17.34	40.075 ; -105.945	1.33	2/ 6/ 6
10397	Central Great Plains CP86E	18.50–17.34	43.083 ; -102.333	-	2/ 2/ 2
10402	Central Great Plains CP88	18.50–17.34	43.133 ; -101.871	1.23	2/17/21
10431	Central Great Plains CP104C	18.50–17.34	42.393 ; -103.312	1.75	1/ 1/ 1

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Locality		Age	Coordinates	H	Nbs
10433	Central Great Plains CP105	18.50–17.34	42.751 ; -102.022	1.54	3/22/24
10434	Central Great Plains CP106	18.50–17.34	41.809 ; -103.103	1.38	1/ 2/ 2
10529	Gulf Coast GC3A	18.50–17.34	30.173 ; -96.671	1.43	2/ 3/ 3
10530	Gulf Coast GC3B	18.50–17.34	30.388 ; -96.088	1.31	1/ 4/ 4
10539	Gulf Coast GC5B	18.50–17.34	30.267 ; -97.764	1.29	2/ 9/10
10632	Northern Great Basin NB3D	18.50–17.34	38.556 ; -121.469	2.00	1/ 1/ 1
10633	Northern Great Basin NB4	18.50–17.34	35.041 ; -117.688	2.00	2/ 6/ 6
10716	Northern East Coast NC2B	18.50–17.34	39.162 ; -75.527	1.43	2/ 4/ 4
10765	Northern Great Plains NP10D	18.50–17.34	54.500 ; -105.681	1.38	1/ 0/ 0
10914	Pacific Northwest PN6K	18.50–17.34	44.931 ; -123.029	1.20	1/ 3/ 3
11019	Southern Great Basin SB29B	18.50–17.34	35.500 ; -106.750	2.33	2/ 2/ 2
11020	Southern Great Basin SB29C	18.50–17.34	35.600 ; -106.750	2.14	1/ 1/ 1
Hemingfordian-2		17.34–15.97	17 localities		
10054	California CC17B	17.34–15.97	34.738 ; -119.238	2.00	1/ 1/ 1
10062	California CC18A	17.34–15.97	38.556 ; -121.469	1.67	1/ 2/ 2
10064	California CC19	17.34–15.97	34.851 ; -119.554	1.60	3/16/17
10069	California CC22A	17.34–15.97	34.298 ; -117.469	1.91	2/11/13
10149	Central Great Plains CP10	17.34–15.97	40.700 ; -111.883	1.50	1/ 1/ 1
10319	Central Great Plains CP54B	17.34–15.97	42.446 ; -107.557	1.64	3/16/16
10436	Central Great Plains CP107	17.34–15.97	42.400 ; -103.031	1.54	3/ 3/ 3
10437	Central Great Plains CP108A	17.34–15.97	42.175 ; -103.737	1.83	2/ 5/ 5
10438	Central Great Plains CP108B	17.34–15.97	42.178 ; -103.755	1.85	2/ 5/ 5
10554	Gulf Coast GC8DB	17.34–15.97	28.133 ; -81.632	2.14	3/ 4/ 4
10558	Gulf Coast GC9B	17.34–15.97	29.917 ; -84.977	1.57	1/ 3/ 4
10636	Northern Great Basin NB6B	17.34–15.97	35.032 ; -117.053	2.14	2/ 4/ 4
10661	Northern Great Basin NB17	17.34–15.97	41.652 ; -119.749	1.63	2/ 6/ 6
10766	Northern Great Plains NP10E	17.34–15.97	54.500 ; -105.681	1.67	3/20/20
10840	Northern Great Plains NP34D	17.34–15.97	46.596 ; -112.027	1.80	3/ 5/ 5
10890	Northern Great Plains NP51B	17.34–15.97	47.446 ; -102.932	2.00	1/ 1/ 1
10940	Pacific Northwest PN19A	17.34–15.97	44.801 ; -113.246	1.80	2/ 4/ 4
Barstovian-1		15.97–14.78	27 localities		
10055	California CC17C	15.97–14.78	34.995 ; -119.575	1.90	2/ 2/ 2
10056	California CC17D	15.97–14.78	34.765 ; -119.245	1.67	2/ 5/ 5
10057	California CC17E	15.97–14.78	34.765 ; -119.236	1.83	2/ 3/ 3
10067	California CC21B	15.97–14.78	35.190 ; -118.316	2.00	2/ 2/ 2
10074	California CC23A	15.97–14.78	38.556 ; -121.469	1.82	1/ 1/ 1
10367	Central Great Plains CP74B	15.97–14.78	39.739 ; -104.985	1.83	1/ 1/ 1
10370	Central Great Plains CP75B	15.97–14.78	40.871 ; -103.921	1.90	1/ 4/ 5
10441	Central Great Plains CP110	15.97–14.78	42.161 ; -103.726	1.82	2/ 7/10
10442	Central Great Plains CP111	15.97–14.78	42.690 ; -102.840	1.44	2/ 5/ 5
10534	Gulf Coast GC4C	15.97–14.78	30.671 ; -95.053	1.78	2/ 7/ 7
10535	Gulf Coast GC4D	15.97–14.78	30.986 ; -93.673	2.22	1/ 2/ 2
10559	Gulf Coast GC9C	15.97–14.78	29.917 ; -84.977	1.64	3/ 5/ 5
10637	Northern Great Basin NB6C	15.97–14.78	35.097 ; -116.620	1.90	3/12/17
10638	Northern Great Basin NB6D	15.97–14.78	35.032 ; -117.053	2.11	3/ 6/ 9
10662	Northern Great Basin NB18A	15.97–14.78	41.842 ; -119.050	1.88	3/10/11
10664	Northern Great Basin NB19A	15.97–14.78	39.161 ; -119.754	1.88	2/ 2/ 2
10667	Northern Great Basin NB20A	15.97–14.78	41.200 ; -119.317	1.85	1/ 1/ 1
10670	Northern Great Basin NB22A	15.97–14.78	39.261 ; -117.908	1.50	1/ 1/ 1
10674	Northern Great Basin NB23B	15.97–14.78	38.586 ; -117.926	1.93	3/15/17
10861	Northern Great Plains NP40A	15.97–14.78	45.352 ; -110.733	2.00	3/ 7/ 7
10865	Northern Great Plains NP41B	15.97–14.78	45.667 ; -111.300	2.13	3/18/19
10868	Northern Great Plains NP42	15.97–14.78	46.627 ; -113.131	1.69	3/ 8/ 8

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Locality		Age	Coordinates	H	Nbs
10916	Pacific Northwest PN7	15.97–14.78	44.492 ; -119.536	1.55	2/ 8/ 9
10919	Pacific Northwest PN8A	15.97–14.78	42.451 ; -119.322	1.80	3/ 7/ 7
10920	Pacific Northwest PN8B	15.97–14.78	43.474 ; -117.781	1.73	3/20/21
10941	Pacific Northwest PN19B	15.97–14.78	44.801 ; -113.246	1.73	2/ 5/ 5
11032	Southern Great Basin SB32B	15.97–14.78	35.978 ; -105.988	2.15	1/ 2/ 2
Barstovian-2		14.78–12.57	29 localities		
10058	California CC17F	14.78–12.57	38.556 ; -121.469	2.00	2/ 2/ 2
10068	California CC21C	14.78–12.57	35.190 ; -118.316	1.78	2/ 5/ 5
10070	California CC22B	14.78–12.57	34.323 ; -117.486	1.60	1/ 6/ 7
10071	California CC22C	14.78–12.57	38.556 ; -121.469	1.67	2/ 8/ 8
10303	Central Great Plains CP45E	14.78–12.57	43.762 ; -110.555	2.33	3/17/17
10323	Central Great Plains CP56	14.78–12.57	41.500 ; -104.750	2.30	3/ 4/ 4
10371	Central Great Plains CP75BB	14.78–12.57	39.739 ; -104.985	1.88	1/ 1/ 1
10372	Central Great Plains CP75C	14.78–12.57	40.815 ; -104.066	2.00	1/ 1/ 1
10374	Central Great Plains CP76B	14.78–12.57	40.579 ; -103.358	2.23	3/ 7/ 7
10400	Central Great Plains CP87B	14.78–12.57	42.917 ; -99.750	2.44	1/ 2/ 3
10403	Central Great Plains CP89	14.78–12.57	43.493 ; -99.278	2.00	2/14/15
10445	Central Great Plains CP113A	14.78–12.57	41.597 ; -96.790	2.00	2/ 2/ 2
10453	Central Great Plains CP114A	14.78–12.57	42.784 ; -100.035	1.94	3/35/40
10454	Central Great Plains CP114B	14.78–12.57	42.827 ; -97.636	1.90	3/38/43
10455	Central Great Plains CP114C	14.78–12.57	42.712 ; -99.789	2.17	3/10/10
10536	Gulf Coast GC4DD	14.78–12.57	31.047 ; -93.205	1.71	2/10/10
10537	Gulf Coast GC4E	14.78–12.57	30.345 ; -96.032	1.95	1/ 4/ 4
10564	Gulf Coast GC10B	14.78–12.57	28.182 ; -81.824	2.45	1/ 2/ 2
10639	Northern Great Basin NB6E	14.78–12.57	35.032 ; -117.040	2.00	3/17/24
10767	Northern Great Plains NP11	14.78–12.57	54.500 ; -105.681	1.88	3/26/28
10862	Northern Great Plains NP40B	14.78–12.57	45.296 ; -110.830	2.00	3/21/21
10922	Pacific Northwest PN9B	14.78–12.57	43.452 ; -117.453	2.22	4/16/20
10942	Pacific Northwest PN19C	14.78–12.57	43.614 ; -116.238	1.77	2/ 1/ 1
10944	Pacific Northwest PN19E	14.78–12.57	43.614 ; -116.238	2.00	2/ 2/ 2
11033	Southern Great Basin SB32C	14.78–12.57	36.147 ; -106.243	2.00	1/ 2/ 2
11034	Southern Great Basin SB32D	14.78–12.57	35.825 ; -105.979	2.08	3/12/12
11035	Southern Great Basin SB32E	14.78–12.57	35.667 ; -105.964	2.00	1/ 1/ 1
11037	Southern Great Basin SB32F	14.78–12.57	36.079 ; -106.086	2.25	1/ 2/ 2
11038	Southern Great Basin SB32FF	14.78–12.57	36.391 ; -106.044	2.00	1/ 1/ 1
Clarendonian-1		12.57–12.11	4 localities		
10375	Central Great Plains CP76II	12.57–12.11	39.739 ; -104.985	-	1/ 1/ 1
10456	Central Great Plains CP114D	12.57–12.11	42.642 ; -100.064	2.12	2/14/16
10641	Northern Great Basin NB7A	12.57–12.11	35.394 ; -117.944	2.00	3/ 9/11
10740	Northern Great Plains NP5A	12.57–12.11	54.500 ; -115.000	2.67	1/ 2/ 2
Clarendonian-2		12.11–10.09	18 localities		
10059	California CC17G	12.11–10.09	34.821 ; -119.337	2.11	3/12/15
10091	California CC32A	12.11–10.09	35.100 ; -118.800	2.33	2/ 1/ 1
10094	California CC34	12.11–10.09	33.843 ; -117.462	2.33	2/ 5/ 5
10320	Central Great Plains CP54C	12.11–10.09	42.461 ; -107.487	3.00	1/ 1/ 1
10405	Central Great Plains CP90A	12.11–10.09	43.119 ; -101.931	2.06	3/12/13
10406	Central Great Plains CP90B	12.11–10.09	43.002 ; -102.387	2.56	1/ 1/ 1
10462	Central Great Plains CP116A	12.11–10.09	42.421 ; -98.157	2.06	3/13/13
10478	Central Great Plains CP123A	12.11–10.09	39.056 ; -95.689	2.17	1/ 1/ 1
10484	Central Great Plains CP123E	12.11–10.09	39.082 ; -99.759	2.78	2/13/15
10541	Gulf Coast GC6B	12.11–10.09	28.531 ; -97.591	2.33	1/ 0/ 0
10642	Northern Great Basin NB7B	12.11–10.09	35.394 ; -117.944	2.44	3/13/15

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Locality		Age	Coordinates	H	Nbs
10645	Northern Great Basin NB8	12.11–10.09	35.416 ; -116.244	1.86	2/ 6/ 7
10675	Northern Great Basin NB23C	12.11–10.09	38.604 ; -117.843	2.20	3/16/18
10679	Northern Great Basin NB25B	12.11–10.09	40.094 ; -117.577	2.00	1/ 2/ 2
10683	Northern Great Basin NB27A	12.11–10.09	38.507 ; -118.906	2.86	1/ 0/ 0
10688	Northern Great Basin NB28	12.11–10.09	40.446 ; -114.444	2.29	1/ 1/ 1
11048	Southern Great Basin SB34A	12.11–10.09	35.955 ; -106.121	2.23	1/ 2/ 2
11153	Southern Great Plains SP1A	12.11–10.09	35.643 ; -101.905	2.32	3/14/15
Clarendonian-3		10.09–9.07	12 localities		
10060	California CC17H	10.09–9.07	34.803 ; -119.293	2.25	2/ 9/ 9
10084	California CC26B	10.09–9.07	37.830 ; -121.929	2.27	2/ 4/ 4
10092	California CC32B	10.09–9.07	35.134 ; -118.818	2.22	2/ 3/ 3
10095	California CC35A	10.09–9.07	37.878 ; -122.217	2.50	2/ 2/ 2
10458	Central Great Plains CP115B	10.09–9.07	42.166 ; -103.727	2.12	1/ 3/ 3
10480	Central Great Plains CP123B	10.09–9.07	38.878 ; -99.510	2.00	1/ 1/ 2
10489	Central Great Plains CP124III	10.09–9.07	39.069 ; -99.556	2.13	1/ 1/ 1
10567	Gulf Coast GC11A	10.09–9.07	29.617 ; -82.367	2.40	3/ 4/ 4
10666	Northern Great Basin NB19C	10.09–9.07	40.783 ; -116.001	2.43	1/ 2/ 2
10689	Northern Great Basin NB29A	10.09–9.07	39.935 ; -119.066	2.00	2/ 6/ 6
10923	Pacific Northwest PN10	10.09–9.07	43.778 ; -118.142	1.82	3/21/22
11044	Southern Great Basin SB33B	10.09–9.07	35.687 ; -105.938	2.00	1/ 1/ 1
Hemphillian-1		9.07–7.59	14 localities		
10326	Central Great Plains CP58	9.07–7.59	43.593 ; -110.699	-	1/ 2/ 2
10461	Central Great Plains CP116C	9.07–7.59	40.810 ; -96.675	2.24	3/14/16
10481	Central Great Plains CP123C	9.07–7.59	37.371 ; -99.785	2.38	2/ 4/ 4
10568	Gulf Coast GC11B	9.07–7.59	29.617 ; -82.367	2.20	1/ 1/ 1
10644	Northern Great Basin NB7D	9.07–7.59	35.454 ; -118.100	2.36	3/14/15
10646	Northern Great Basin NB9	9.07–7.59	35.462 ; -117.520	2.40	2/ 2/ 2
10686	Northern Great Basin NB27B	9.07–7.59	38.830 ; -119.040	2.14	2/ 5/ 5
10691	Northern Great Basin NB30	9.07–7.59	40.769 ; -118.795	-	1/ 2/ 2
10693	Northern Great Basin NB31	9.07–7.59	41.925 ; -118.836	2.36	3/11/14
10871	Northern Great Plains NP45	9.07–7.59	46.287 ; -112.811	2.13	2/ 3/ 3
10926	Pacific Northwest PN11A	9.07–7.59	42.790 ; -117.739	2.22	3/ 9/10
11049	Southern Great Basin SB34B	9.07–7.59	35.917 ; -106.167	2.75	1/ 1/ 2
11103	Southern Great Basin SB48	9.07–7.59	29.277 ; -103.054	2.60	2/ 3/ 3
11156	Southern Great Plains SP1C	9.07–7.59	35.684 ; -102.330	2.47	1/ 6/ 6
Hemphillian-2		7.59–6.88	12 localities		
10073	California CC22E	7.59–6.88	38.556 ; -121.469	-	1/ 8/ 9
10099	California CC38	7.59–6.88	35.474 ; -118.927	2.33	2/ 3/ 3
10101	California CC39B	7.59–6.88	38.556 ; -121.469	2.33	1/ 2/ 2
10327	Central Great Plains CP59A	7.59–6.88	41.146 ; -104.802	-	1/ 1/ 1
10459	Central Great Plains CP115C	7.59–6.88	42.198 ; -103.781	2.07	1/ 5/ 5
10466	Central Great Plains CP116D	7.59–6.88	40.395 ; -100.258	2.38	3/ 8/ 8
10491	Central Great Plains CP126	7.59–6.88	39.401 ; -100.137	2.42	1/ 1/ 1
10927	Pacific Northwest PN11B	7.59–6.88	43.747 ; -118.419	2.22	3/20/22
10929	Pacific Northwest PN12B	7.59–6.88	44.486 ; -119.667	2.00	3/ 8/ 8
10930	Pacific Northwest PN13	7.59–6.88	43.451 ; -117.587	2.43	2/ 6/ 6
11050	Southern Great Basin SB34C	7.59–6.88	36.114 ; -105.979	2.44	2/ 3/ 3
11165	Southern Great Plains SP3B	7.59–6.88	35.733 ; -100.524	2.47	3/14/14
Hemphillian-3		6.88–5.91	12 localities		
10097	California CC36	6.88–5.91	37.860 ; -122.146	2.60	2/ 5/ 5
10460	Central Great Plains CP115D	6.88–5.91	40.810 ; -96.675	2.27	2/ 3/ 3

Table 1 – continued from previous page

Locality		Age	Coordinates	H	Nbs
10467	Central Great Plains CP116E	6.88–5.91	42.393 ; -98.126	2.23	3/17/18
10470	Central Great Plains CP116III	6.88–5.91	42.730 ; -99.579	-	1/ 2/ 2
10483	Central Great Plains CP123D	6.88–5.91	39.155 ; -101.510	2.09	3/ 7/ 7
10690	Northern Great Basin NB29B	6.88–5.91	35.592 ; -106.688	-	1/ 2/ 3
10741	Northern Great Plains NP5B	6.88–5.91	54.500 ; -115.000	2.80	1/ 1/ 1
10931	Pacific Northwest PN14	6.88–5.91	45.596 ; -118.785	2.00	3/21/26
10933	Pacific Northwest PN15	6.88–5.91	44.931 ; -123.029	2.50	3/13/16
11123	Southern Great Basin SB57	6.88–5.91	28.630 ; -106.080	2.50	1/ 1/ 1
11157	Southern Great Plains SP1D	6.88–5.91	35.993 ; -100.588	2.39	3/ 4/ 4
11166	Southern Great Plains SP4A	6.88–5.91	34.962 ; -101.192	2.29	1/ 1/ 1
Hemphillian-4		5.91–4.91	13 localities		
10082	California CC25B	5.91–4.91	37.600 ; -120.579	2.73	2/ 2/ 2
10098	California CC37	5.91–4.91	38.010 ; -122.301	2.67	3/ 3/ 3
10102	California CC40	5.91–4.91	33.891 ; -117.047	2.20	2/ 2/ 3
10468	Central Great Plains CP116F	5.91–4.91	42.816 ; -97.725	2.07	3/26/28
10575	Gulf Coast GC13B	5.91–4.91	28.182 ; -81.824	2.07	3/ 5/ 6
10647	Northern Great Basin NB10	5.91–4.91	35.088 ; -118.234	2.00	3/ 5/ 5
10703	Northern Great Basin NB35IIIA	5.91–4.91	39.161 ; -119.754	2.25	1/ 2/ 2
10963	Southern Great Basin SB9	5.91–4.91	34.614 ; -113.536	2.43	1/ 1/ 1
11054	Southern Great Basin SB34III	5.91–4.91	35.500 ; -106.417	3.00	1/ 1/ 1
11127	Southern Great Basin SB58B	5.91–4.91	21.083 ; -100.683	1.89	2/ 2/ 2
11133	Southern Great Basin SB59	5.91–4.91	21.017 ; -100.783	3.00	1/ 1/ 1
11135	Southern Great Basin SB60	5.91–4.91	28.500 ; -108.250	2.64	3/10/13
11167	Southern Great Plains SP4B	5.91–4.91	34.953 ; -101.495	2.25	2/ 8/ 9
Blancan-Early		4.91–2.63	57 localities		
10085	California CC26C	4.91–2.63	37.830 ; -121.919	2.50	2/ 3/ 3
10114	California CC47A	4.91–2.63	38.556 ; -121.469	-	2/ 3/ 4
10115	California CC47B	4.91–2.63	38.556 ; -121.469	-	2/ 5/ 5
10116	California CC47C	4.91–2.63	38.556 ; -121.469	-	1/ 7/10
10117	California CC47D	4.91–2.63	38.556 ; -121.469	3.00	3/12/13
10119	California CC48B	4.91–2.63	38.556 ; -121.469	-	2/ 5/ 5
10120	California CC48C	4.91–2.63	38.556 ; -121.469	2.00	1/ 6/ 6
10125	California CC52II	4.91–2.63	30.550 ; -115.167	2.67	1/ 1/ 1
10128	California CC53	4.91–2.63	23.000 ; -112.000	2.40	2/ 3/ 3
10130	Central East America CE2	4.91–2.63	39.791 ; -86.148	2.20	3/ 4/ 4
10150	Central Great Plains CP10II	4.91–2.63	40.700 ; -111.883	-	1/ 1/ 1
10379	Central Great Plains CP80	4.91–2.63	37.000 ; -103.633	2.00	1/ 4/ 5
10471	Central Great Plains CP117A	4.91–2.63	40.810 ; -96.675	2.00	1/ 3/ 3
10472	Central Great Plains CP117B	4.91–2.63	40.810 ; -96.675	2.67	3/ 6/ 6
10473	Central Great Plains CP118	4.91–2.63	40.810 ; -96.675	2.67	3/18/20
10494	Central Great Plains CP128A	4.91–2.63	39.056 ; -95.689	2.25	3/18/23
10495	Central Great Plains CP128AA	4.91–2.63	39.056 ; -95.689	2.50	3/17/23
10496	Central Great Plains CP128B	4.91–2.63	39.056 ; -95.689	2.00	3/19/20
10497	Central Great Plains CP128C	4.91–2.63	39.056 ; -95.689	2.42	3/26/32
10499	Central Great Plains CP129	4.91–2.63	39.056 ; -95.689	-	1/ 1/ 1
10500	Central Great Plains CP130	4.91–2.63	39.056 ; -95.689	2.50	2/12/13
10620	Canadian High Arctic HA3	4.91–2.63	80.167 ; -79.083	2.00	3/ 5/ 5
10651	Northern Great Basin NB12B	4.91–2.63	35.982 ; -117.664	1.75	2/ 2/ 2
10654	Northern Great Basin NB13A	4.91–2.63	38.556 ; -121.469	3.00	3/ 8/ 9
10655	Northern Great Basin NB13B	4.91–2.63	38.556 ; -121.469	2.67	3/15/19
10696	Northern Great Basin NB33A	4.91–2.63	37.640 ; -114.880	3.00	3/15/17
10704	Northern Great Basin NB35IIIB	4.91–2.63	38.977 ; -119.540	1.75	2/ 3/ 3
10706	Northern Great Basin NB35IV	4.91–2.63	39.161 ; -119.754	-	2/ 3/ 3

Table 1 – continued from previous page

Locality		Age	Coordinates	H	Nbs
10898	Pacific Northwest PN3C	4.91–2.63	47.042 ; -122.893	1.67	3/15/15
10900	Pacific Northwest PN4	4.91–2.63	47.042 ; -122.893	2.17	3/10/13
10950	Pacific Northwest PN23A	4.91–2.63	43.614 ; -116.238	2.00	3/21/29
10951	Pacific Northwest PN23B	4.91–2.63	43.614 ; -116.238	-	2/ 2/ 2
10967	Southern Great Basin SB12	4.91–2.63	34.562 ; -112.383	3.00	3/17/18
10969	Southern Great Basin SB14A	4.91–2.63	32.114 ; -109.921	2.13	3/14/14
10970	Southern Great Basin SB14B	4.91–2.63	32.114 ; -109.921	2.17	2/ 9/ 9
10971	Southern Great Basin SB14C	4.91–2.63	33.448 ; -112.074	2.14	1/ 8/ 8
10976	Southern Great Basin SB15A	4.91–2.63	33.102 ; -109.269	2.50	2/14/16
10977	Southern Great Basin SB15B	4.91–2.63	33.448 ; -112.074	-	1/ 2/ 2
10978	Southern Great Basin SB15C	4.91–2.63	33.448 ; -112.074	2.50	2/ 4/ 4
10979	Southern Great Basin SB16	4.91–2.63	31.538 ; -110.826	2.75	1/ 1/ 1
11053	Southern Great Basin SB34IIB	4.91–2.63	35.667 ; -105.964	2.80	1/ 4/ 4
11058	Southern Great Basin SB35A	4.91–2.63	35.667 ; -105.964	2.25	2/ 6/ 7
11059	Southern Great Basin SB35B	4.91–2.63	33.083 ; -107.250	2.50	1/ 1/ 1
11061	Southern Great Basin SB35D	4.91–2.63	35.667 ; -105.964	2.43	1/ 2/ 2
11065	Southern Great Basin SB37A	4.91–2.63	35.667 ; -105.964	2.17	1/ 0/ 0
11066	Southern Great Basin SB37B	4.91–2.63	35.667 ; -105.964	2.00	2/ 1/ 1
11073	Southern Great Basin SB38IIA	4.91–2.63	35.667 ; -105.964	-	1/ 2/ 2
11074	Southern Great Basin SB38IIB	4.91–2.63	35.667 ; -105.964	3.00	1/ 1/ 1
11075	Southern Great Basin SB38IIC	4.91–2.63	35.667 ; -105.964	2.57	3/ 5/ 6
11128	Southern Great Basin SB58C	4.91–2.63	21.083 ; -100.683	2.17	1/ 2/ 2
11140	Southern Great Basin SB61	4.91–2.63	28.250 ; -108.000	3.00	1/ 2/ 2
11141	Southern Great Basin SB62	4.91–2.63	28.750 ; -108.250	2.33	3/ 7/ 9
11142	Southern Great Basin SB63	4.91–2.63	28.000 ; -107.250	2.43	1/ 1/ 1
11144	Southern Great Basin SB64	4.91–2.63	21.000 ; -101.000	2.60	2/ 4/ 4
11159	Southern Great Plains SP1F	4.91–2.63	32.519 ; -96.381	2.29	3/23/29
11160	Southern Great Plains SP1G	4.91–2.63	35.400 ; -102.600	-	2/ 2/ 2
11202	West Coast Marine WM26	4.91–2.63	32.715 ; -117.162	2.33	3/ 8/ 9