TABLE OF ^{14}C AGES.

Sample Location	*Laboratory Number*	*Altitude (m)*	*Depth (cm)*	*Dating Method*	*Age[1] (BP)*	*Error[1] (years)*	*Calibrated[2] Age (cal BP)*	*Calibrated Range[2,3] (cal BP)*
Scott Point	Beta-237014	n.a.	<34	AMS	860	40	750	**689-803**; 808-831; 851-906
Scott Point	Beta-237015	n.a.	<30	AMS	870	40	780	**695-832**; 844-907
Scott Point	Beta-237016	n.a.	130	AMS	1240	40	1180	1068-1270
Winter	Beta-237017	n.a.	n.a.	AMS	1920	40	1870	1736-1763; **1769-1949**; 1963-1967
Winter	Beta-237018	n.a.	n.a.	AMS	1860	40	1820	1708-1883
Winter	Beta-237019	n.a.	n.a.	AMS	2090	40	2050	**1949-2152**; 2279-2286
Camp Miniwanca	Beta-238129	n.a.	~2000	AMS	820	40	730	**673-795**; 878-892
Cheeseman Road (South)	Beta-40288	185.6	100.0	^{14}C	2630	70	2752	2488-2644; **2665-2885**; 2908-2920
Cheeseman Road (South)	Beta-40289	185.6	140.0	^{14}C	6550	80	7461	7310-7580
Cheeseman Road (South)	Beta-40290	185.6	280.0	^{14}C	6430	70	7353	7178-7199; **7245-7474**
Crooked River (North)	Beta-40291	185.9	160.0	^{14}C	5440	70	6233	6004-6083; 6100-6160; **6170-6352**; 6366-6396
Crooked River (South)	Beta-40292	183.5	300.0	^{14}C	6450	80	7364	7178-7200; **7245-7508**; 7545-7554
Fishdam River (East)	Beta-40295	183.0	310.0	^{14}C	5330	70	6111	5944-5970; **5986-6278**
Fishdam River (East)	Beta-40296	183.0	130.0	^{14}C	400	60	441	314-523
Fishdam River (East)	Beta-40297	184.0	120.0	^{14}C	7140	80	7964	7796-7809; **7824-8161**
Manistique River (East)	Beta-40300	190.5	300.0	^{14}C	4920	80	5666	5478-5535; **5577-5798**; 5802-5893
Sturgeon River (West)	Beta-40304	187.0	260.0	^{14}C	850	60	771	**679-835**; 840-910
Torch Lake (Nipissing shore bluff)	Beta-40305	180.0	0.0	^{14}C	5380	70	6164	5993-6296

TABLE OF ^{14}C AGES.

Sample Location	*Laboratory Number*	*Altitude (m)*	*Depth (cm)*	*Dating Method*	*Age[1] (BP)*	*Error[1] (years)*	*Calibrated[2] Age (cal BP)*	*Calibrated Range[2,3] (cal BP)*
Mt. McSauba	Beta-251817	n.a.	n.a.	AMS	190	40	Modern	0-35; 70-117; **132-229**; 251-305
Portage	DIC-651	0.0	~30	^{14}C	2050	80	1995	1825-1854; **1856-2163**; 2166-2180; 2241-2303
Portage	DIC-652	0.0	~46	^{14}C	1830	120	1760	1419-1463; **1512-2043**
Portage	DIC-653	0.0	~50	^{14}C	1620	150	1535	1280-1873
Summer Island	M-1995	n.a.	n.a.	^{14}C	1700	140	1570	1918-1914; **1898-1318**
Summer Island	M-2070	n.a.	n.a.	^{14}C	2320	140	2340	**2735-2039**; 2021-2008
Summer Island	M-2071	n.a.	n.a.	^{14}C	660	100	575	776-508
Summer Island	M-2072	n.a.	n.a.	^{14}C	660	100	575	776-508
Summer Island	M-2073	n.a.	n.a.	^{14}C	1880	280	1825	2680-2640; 2609-2600; **2493-1264**
Summer Island	M-2074	n.a.	n.a.	^{14}C	1790	130	1710	1995-1407
Summer Island	M-2014	n.a.	n.a.	^{14}C	330	100	Modern	0-32; 75-76; 83-97; 108-112; 137-224; **255-540**
Ekdahl-Goudreau	M-2311	180.3	24	AMS	870	120	780	564-590; **640-1005**; 1030-1052
Ekdahl-Goudreau	M-2312	180.3	55-58	AMS	1290	130	1195	**930-1416**; 1471-1481
O'Neil	M-2398	n.a.	~27	^{14}C	430	100	515	**287-568**; 583-649
O'Neil	M-2401	n.a.	n.a.	^{14}C	1000	140	930	**675-1182**; 1207-1233
O'Neil	M-2405	n.a.	~74	^{14}C	670	100	660	511-785
O'Neil	M-2406	n.a.	~67	^{14}C	740	100	680	**539-803**; 808-831; 852-906
O'Neil	N-1268	n.a.	n.a.	^{14}C	905	115	795	**661-1017**; 1022-1056
Wycamp Creek	M-2059	n.a.	~46	^{14}C	730	110	670	**532-832**; 846-907
Wycamp Creek	M-2060	n.a.	~84	^{14}C	240	100	Modern	0-42; 59-234; **238-483**
Wycamp Creek	M-2065	n.a.	~27	^{14}C	1320	120	1240	**964-1417**; 1467-1488; 1500-1507
Ludington Quarry #1	NSRL-3969	n.a.	600	AMS	3000	50	3195	**3060-3346**; 3030-3051; 3006-3014

TABLE OF ^{14}C AGES.

Sample Location	*Laboratory Number*	*Altitude (m)*	*Depth (cm)*	*Dating Method*	*Age[1] (BP)*	*Error[1] (years)*	*Calibrated[2] Age (cal BP)*	*Calibrated Range[2,3] (cal BP)*
Ludington Quarry #1	NSRL-3970	n.a.	300	AMS	500	50	531	**475-565**; 588-643
Ludington Quarry #2	NSRL-3965	n.a.	400	AMS	150	50	Modern	286-0
Ludington Quarry #2	NSRL-3966	n.a.	500	AMS	2080	40	2048	**2149-1947**
Ludington Quarry #2	NSRL-3967	n.a.	300	AMS	2830	50	2941	**2792-3078**; 3134-3135

Notes: [1]Uncalibrated radiocarbon years. Error represents 1σ error ranges in radiocarbon years. Base year from which radiocarbon years before present (BP) is determined is A.D. 1950.

[2]Calibrations of ^{14}C ages after Stuiver et al. (2006) and Reimer et al. (2004) and represent 2σ age ranges. Base year from which calibrated years before present (cal BP) is determined is A.D. 1950.

[3]Age ranges in bold represent intercepts with the largest area under the probability curve. Where only a single calibrated age range is present for a given date it is not bolded.

See Appendix C for description of locations and exposures sampled.

TABLE OF OSL AGES.

Sample Location	*Laboratory Number*	*Altitude (m)*	*Depth (cm)*	*Dating Method*	*Age (ya)*	*Error (years)*
Wilderness State Park/Sturgeon Bay point locale	Shfd-06138	n.a.	n.a.	OSL	920	90
Mt. McSauba	Shfd-06139	189.0	0.0	OSL	740	70
Eastport/Torch Lake (Township hall locale)	Shfd-06140	n.a.	n.a.	OSL	5150	390
ACNA Dune 1b	Shfd-06141	n.a.	n.a.	OSL	1300	110
ACNA Dune 3	Shfd-06142	n.a.	n.a.	OSL	1950	180
ACNA Dune 2	Shfd-07001	n.a.	n.a.	OSL	2150	170
Winter Site	UIC-2133	n.a.	~168	OSL	2180	215
Moran Dunefield (Sandpit locale)	UIC-2134	202.7	200	OSL	1950	205
Ekdahl-Goudreau	UIC-2135	180.3	147	OSL	575	70
Round Lake Dune locale	UIC-2136	198.1	0.0	OSL	930	90
Wilderness State Park (Roadcut locale)	UIC-2137	201.2	0.0	OSL	1930	225
Fisherman's Island State Park Solomon Seal Site (Lower)	UIC-2138	196.0	~300	OSL	3280	265
Fisherman's Island State Park Solomon Seal Site (Upper)	UIC-2139	196.0	~900	OSL	3380	300
Manistique Quarry Beach Locale	UIC-2140	190.5	0.0	OSL	4280	390
Manistique Quarry Cliff Swallow Locale	UIC-2141	193.6	0.0	OSL	2080	185
Manistique Quarry Beach Locale	UIC-2142	190.5	0.0	OSL	1610	170
Fisherman's Island State Park South Loop Core 1 Campsite 66 Site 3	UIC-2143	191.1	~130-250	OSL	3240	260
Fisherman's Island State Park South Loop Core 1 Campsite 66 Site 3	UIC-2144	191.1	~500-700	OSL	2315	220
Fisherman's Island State Park South Loop Core 1 Site 4	UIC-2145	187.1	0.0	OSL	2420	240
Fisherman's Island State Park (high Dune most inland)	UIC-2146	204.2	0.0	OSL	3260	305

TABLE OF OSL AGES.

Sample Location	*Laboratory Number*	*Altitude (m)*	*Depth (cm)*	*Dating Method*	*Age (ya)*	*Error (years)*
TBNP Core 3 most inland dune below Nipissing	UIC-2147	185.0	400-500	OSL	3160	280
TBNP Core 2 2nd most inland dune	UIC-2148	192.0	~930	OSL	2490	230
TBNP Core 2 2nd most inland dune	UIC-2149	192.0	~240-360	OSL	2765	225
TBNP Core 1 Lakeward Dune	UIC-2150	179.5	~70-130	OSL	540	65
TBNP Core 4 Midslope West Aspect	UIC-2151	185.9	0.0	OSL	910	90
Camp Miniwanca Unit 1	UIC-2178	n.a.	n.a.	OSL	920	80
Camp Miniwanca Unit 2	UIC-2179	n.a.	n.a.	OSL	870	80
Ludington State Park Unit 1	UIC-2207	n.a.	~1950	OSL	2360	260
Ludington State Park Unit 2	UIC-2208	n.a.	~1800	OSL	2820	210
Ludington State Park Unit 3	UIC-2209	n.a.	~1600	OSL	2500	220
Ludington State Park Unit 4	UIC-2227	n.a.	~1500	OSL	2480	200
Ludington State Park Unit 5	UIC-2228	n.a.	~700	OSL	1510	130

Notes: See Chapter 5 and Appendix C for description of locations and exposures sampled.

Radiocarbon and OSL data should be cited as:

Lovis, W.A., A.F. Arbogast and G.W. Monaghan. 2009. *Geoarchaeology and Taphonomy of Lake Michigan Coastal Dunes: Activation, Stabilization, Cycling and Archaeological Site Formation Processes.* Report submitted to the Environmental Section, Michigan Department of Transportation (Contract IDS 2006-0034-Z1). Michigan State University, East Lansing. (xvi+194 pp, figures, references, appendices)