ALPENA COUNTY PROFILE

Produced by NEMCOG: 1995 (update 1/23/01)

POPULATION

		% Dif/		% Dif/		% Dif/	N	lich. % Growth
1,960	1,970	1960*	1,980	1970*	1,990	1980*		980 to 1990
28,556	30,708	7.5%	32,315	5.2%	30,605	-5.3%	1	0.35%
	,		,		,			0.33%
igures show pe	ercent difference	from year indi	cated.	5	Source: U.S. Bur	eau of the Cens	us	
LPENA COU	JNTY 1990 F	POPULATIO	N BY AGE	A	ALPENA COU	JNTY 1999 F	POPULATIO	N ESTIMATE BY A
	#	%				#	%	
Under 5	2,005	6.6%			Under 5	1,740	5.7%	
5-17	6,061	19.8%			5-17	6,132	20.0%	
18-20	1,236	4.0%			18-24	2,084	6.8%	
21-24	1,219	4.0%			25-44	8,334	27.2%	
25-44	8,879	29.0%			45-64	7,607	24.8%	
45-54	3,423	11.2%			65+	4,718	15.4%	
55-59	1,598	5.2%			Total	30,615		
60-64	1,591	5.2%						
65-74	2,622	8.6%		S	Source: U.S. Bu	reau of the Cen	sus	
75-84	1,521	5.0%		Ν	Note: These figu	ires are estimate	s and should b	be used with caution.
85+	450	1.5%						
Total	30,605							
ource: U.S. Bur	eau of the Cens	us						

			000
1,970	1,980	1,990	Mich.: 1990
24.9	29.5	35.3	33
Source: U.S. Bu	reau of the Cens	sus	

ALPENA COUNTY POPULATION BY SEX 1970 - 1990

	1	970	1	980	1990		
	Male	Female	Male	Female	Male	Female	
#	15,018	15,690	15,770	16,545	14,845	15,760	
%	48.9%	51.1%	48.8%	51.2%	48.5%	51.5%	
0							

Source: U.S. Bureau of the Census

ALPENA COUNTY POPULATION BY COUNTY, CITY, TOWNSHIP, VILLAGE: 1990 - 1999

	Census*	Estimated F	opulation**							
Area Name	April 1990	July 1992	July 1993	July 1994	July 1995	July 1996	July 1997	July 1998	July 1999	% Dif***
Alpena Co.	30,605	30,885	30,933	30,593	30,642	30,746	30,573	30,405	30,615	0.0%
Alpena City	11,354	11,544	11,580	11,484	11,529	11,589	11,517	11,581	11,573	1.9%
Alpena Twp	9,602	9,696	9,739	9,647	9,686	9,756	9,757	9,691	9,817	2.2%
Green Twp	1,095	1,083	1,078	1,059	1,053	1,049	1,037	1,018	1,008	-7.9%
Long Rapids Twp	1,021	1,026	1,025	1,007	1,001	997	986	968	958	-6.2%
Maple Ridge Twp	1,514	1,517	1,521	1,513	1,523	1,527	1,515	1,492	1,522	0.5%
Ossineke Twp	1,652	1,652	1,644	1,614	1,605	1,599	1,580	1,551	1,566	-5.2%
Sanborn Twp	2,196	2,186	2,176	2,137	2,125	2,117	2,093	2,054	2,066	-5.9%
Wellington Twp	269	266	265	260	258	258	255	250	252	-6.3%
Wilson Twp	1,902	1,915	1,905	1,872	1,862	1,854	1,833	1,800	1,853	-2.6%

* Source: 1990 Census - U.S. Bureau of the Census

Source: Population estimates developed through the Federal-State Cooperative Program for population estimates.
 Released 10/00. Population estimates are approximations, and are subject to error.

*** Figure shows percentage difference between 1990 and the latest year indicated (1999)

**** Population for villages are also counted within the township(s) in which the village is located.

ALPENA COUNTY POPULATION BY RACE: 1980-1999

	Total	V	/hite		Black	Americ	an Indian		Asian
	#	#	%	#	%	#	%	#	%
1980	32,315	32,134	99.4%	19	0.1%	83	0.3%	33	0.1%
1990	30,605	30,372	99.2%	35	0.1%	93	0.3%	85	0.3%
1999***	30,615	30,362	99.2%	51	0.2%	89	0.3%	113	0.4%
	-	ther Race	Hispan	ic Origin	Total	Minority**			

	001	CITAUC	i nopu	nie Ongin	i otai minonty		
	#	%	#	%	#	%	
1980	46	0.1%	79	0.2%	181	0.6%	
1990	20	0.1%	145	0.5%	233	0.8%	
1999***	***	N/A	188	0.6%	253	0.8%	

* People of Hispanic (Spanish) Origin may be of any race. ** Excludes Hispanic (Spanish) Origin. Source: U.S. Bureau of the Census

*** Data for 1999 are population estimates and should be used with caution. In 1999 persons of "other race" were counted elsewhere.

ALPENA COUNTY POPULATION PROJECTIONS

									1940-
	1940	1950	1960	1970	1980	1990	2000*	2010*	2,010
Population	20,766	22,189	28,556	30,708	32,315	30,605	34,253	35,319	
% Difference	**	16 0%	⊥ 28 7%	+7 5%	⊥ 5 2%	-5.3%	⊥ 11 Q%	⊥ 3.1%	⊥7 0 1%

% Difference +6.9% +28.7% +7.5% +5.2% -5.3% +11.9% +3.1% +70.1%

*Projected population. All other figures are actual population counts. ** Figures shows the percent difference from last decennial year. Source: Actual population - US Census Bureau; Projected population by NEMCOG

ALPENA COL		JLATION FC								
	1991	1992	1993	1994	1995	2000	2005	2010	2015	2020
Civilian Males	14,834	14,944	15,100	15,270	15,441	15,940	16,524	17,042	17,344	17,431
0-4	1,055	1,079	1,103	1,120	1,133	1,158	1,195	1,193	1,158	1,128
5-15	2,521	2,509	2,500	2,497	2,472	2,409	2,577	2,645	2,651	2,559
16-17	438	433	450	476	513	426	445	470	478	481
18-24	1,524	1,543	1,572	1,558	1,515	1,630	1,401	1,406	1,480	1,488
25-34	2,073	2,044	2,008	2,006	2,025	2,399	2,595	2,536	2,308	2,254
35-44	2,180	2,204	2,251	2,327	2,456	2,230	2,043	2,430	2,598	2,483
45-54	1,602	1,669	1,730	1,778	1,784	2,063	2,410	2,196	2,007	2,363
55-64	1,526	1,515	1,503	1,503	1,519	1,509	1,670	1,938	2,262	2,042
65-74	1,195	1,212	1,227	1,232	1,229	1,230	1,235	1,236	1,381	1,598
75+	720	737	756	773	796	886	953	991	1,021	1,036
Civ Females	15,745	15,822	15,949	16,087	16,222	16,614	17,098	17,526	17,755	17,789
0-4	1,036	1,048	1,064	1,076	1,088	1,113	1,149	1,147	1,113	1,084
5-15	2,390	2,380	2,376	2,383	2,373	2,359	2,475	2,543	2,550	2,461
16-17	448	443	442	451	469	414	438	451	460	463
18-24	1,424	1,442	1,484	1,484	1,460	1,513	1,386	1,415	1,453	1,463
25-34	2,133	2,082	2,033	2,017	2,020	2,205	2,353	2,318	2,189	2,151
35-44	2,271	2,306	2,356	2,408	2,482	2,295	2,052	2,250	2,374	2,288
45-54	1,691	1,754	1,806	1,848	1,857	2,165	2,461	2,281	2,035	2,212
55-64	1,627	1,603	1,588	1,591	1,612	1,632	1,786	2,088	2,367	2,178
65-74	1,445	1,463	1,480	1,486	1,491	1,445	1,422	1,446	1,589	1,854
75+	1,280	1,300	1,321	1,342	1,371	1,472	1,576	1,588	1,624	1,634
Tot Civilians	30,578	30,766	31,049	31,357	31,664	32,554	33,622	34,567	35,098	35,220
0-4	2,091	2,127	2,167	2,196	2,221	2,271	2,343	2,339	2,271	2,212
5-15	4,910	4,889	4,876	4,879	4,844	4,768	5,052	5,188	5,201	5,020
16-17	885	877	892	927	982	840	884	921	939	944
18-24	2,947	2,985	3,056	3,043	2,975	3,143	2,787	2,821	2,933	2,951
25-34	4,207	4,126	4,041	4,024	4,045	4,604	4,948	4,854	4,498	4,405
35-44	4,451	4,511	4,607	4,735	4,938	4,525	4,094	4,680	4,971	4,771
45-54	3,293	3,423	3,536	3,626	3,641	4,228	4,871	4,478	4,042	4,575
55-64	3,153	3,118	3,090	3,093	3,131	3,141	3,456	4,026	4,629	4,220
65-74	2,640	2,675	2,707	2,718	2,720	2,675	2,658	2,682	2,970	3,452
75+	2,000	2,037	2,077	2,116	2,167	2,358	2,529	2,579	2,645	2,670
Military/Dep.	222	222	210	193	170	140	129	130	128	127

Source: Regional Economic Models, Inc (REMI) by the University of Michigan through the Michigan Department of Transportation - Sept. 30, 1994

				<u>11</u>	NCOME			
ALPENA CO	UNTY MEDIA	AN FAMILY	INCOME 197	<u>70-1990</u>				
		% Dif/		% Dif/	% Dif/	Mich.	ALPENA COUNTY	<u>1997 ESTIMATEI</u>
1970	1980	1970*	1990	1980*	1970*	1990	MEDIAN HOUSEHO	LD INCOME
\$8,765	\$17,228	96.6%	28,441	65.1%	224.5%	\$36,652	Alpena County	Mich.
Source: U.S. Bu	reau of the Cens	sus					\$ 31,836	\$ 38,883
							Source: U.S. Bureau of the Cer	nsus
ALPENA CO	<u>UNTY PER C</u>	CAPITA INC	OME 1970-19	<u>990</u>			Small Area Income &	Poverty Estimate Series.
		% Dif/		% Dif/	% Dif/	Mich.	Released 11/00	
1970	1980	1970*	1990	1980*	1970*	1990		
\$2,552	\$5,887	130.7%	\$10,930	85.7%	328.3%	\$14,154		
* Figure shows	percent difference	ce from the yea	ar indicated. So	ource: U.S. Bur	eau of the Cer	isus		
ALPENA CO	UNTY HOUS	EHOLD INC	COME 1989	<u>A</u>	LPENA CO	UNTY INCOME	<u>TYPE 1989</u>	
Total # of Ho	useholds	11.809		Т	otal Househ	nolds	11.809	

Total # of Households	11,809	Total Households	11,809
Less than \$5,000	746	With wage/salary income	8,056
\$5,000 - \$9,999	1,725	Mean wage/salary income	\$28,913
\$10,000 - \$14,999	1,467	With nonfarm self-employment inc	1,274
\$15,000 - \$24,999	2,467	Mean nonfarm self-employ inc	\$13,375
\$25,000 - \$34,999	2,034	With farm self-employment income	328
\$35,000 - \$49,000	1,854	Mean farm self-empl income	\$8,916
\$50,000 - \$74,999	1,140	With social Security income	4,064
\$75,000 - \$99,999	212	Mean Social Security income	\$7,681
\$100,000 - \$149,999	88	With public assistance income	1,170
\$150,000 or more	76	Mean public assistance income	\$4,122
Median household inc	\$22,598	With retirement income	2,417
Mich. Median Hshld. Inc	\$31,020	Mean retirement income	\$6,367
Source: U.S. Bureau of the Cent	sus	Source: U.S. Bureau of the Census	

ALPENA COUNTY INCOME PER PERSON* 1970 - 1998

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Alpena Co.	\$3,274	\$3,498	\$3,859	\$4,223	\$4,692	\$5,128	\$5,687	\$6,260	\$7,098	\$7,769
Mich N-M**	\$3,270	\$3,501	\$3,854	\$4,265	\$4,687	\$5,061	\$5,559	\$6,114	\$6,759	\$7,446
Mich. Total	\$4,194	\$4,501	\$4,966	\$5,552	\$5,926	\$6,279	\$7,084	\$7,957	\$8,834	\$9,701
	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Alpena Co.	\$8,362	\$8,735	\$8,918	\$9,640	\$10,609	\$11,301	\$12,041	\$12,550	\$13,740	\$14,509
Mich N-M**	\$8,114	\$8,657	\$9,006	\$9,547	\$10,537	\$11,220	\$11,867	\$12,403	\$12,985	\$13,958
Mich. Total	\$10,369	\$11,125	\$11,462	\$12,243	\$13,576	\$14,734	\$15,573	\$16,130	\$17,198	\$18,276
	1990	1991	1992	1993	1994	1995	1996	1997	1998	
Alpena Co.	\$15,248	\$15,810	\$16,588	\$17,351	\$18,560	\$19,216	\$19,846	\$21,274	\$22,125	
Mich N-M**	\$14,502	\$14,988	\$15,640	\$16,496	\$17,415	\$18,156	\$18,620	\$19,617	\$20,147	
Mich. Total	\$19,022	\$19,318	\$20,278	\$21,390	\$22,862	\$23,975	\$24,447	\$25,780	\$26,885	
* This data is n	ot comparable	to "Per Canita	Income"		** Mich NLM -	ner nerson inco	me for all Mich	non-metro are	26	

* This data is not comparable to "Per Capita Income".

Mich N-M = per person income for all Mich. non-metro. areas.

Source: U.S. Dept. of Commerce, Bureau of Econ. Analysis, Regional Econ. Measurement Div. (6/00)

POVERTY STATUS IN 1989: COUNTY & STATE

POPULATION BELOW POVERTY I	<u>EVEL 1989</u> A	lpena Co.	Mich.
	#	%	%
All persons	4,087	13.5%	13.1%
18 years+	2,726	12.2%	11.1%
65 years+	593	13.4%	10.8%
Related children under 18	1,327	16.7%	18.2%
Related children under 5	397	19.9%	22.1%
Related children 5-17	930	15.6%	16.7%
Unrelated individuals	1,232	31.3%	25.9%
All families	919	10.8%	10.2%
With related children under 18	671	16.0%	16.0%
With related children under 5	299	19.7%	20.6%
Female householder families	440	44.3%	35.8%
With related children under 18	399	58.6%	48.1%
With related children under 5	146	72.3%	64.6%
Source: LLS, Bureau of the Concus			

POVERTY STATUS IN 1997: COUNTY & STATE ESTIMATED POPULATION BELOW POVERTY:								
ESTIMATED POPULA								
	Alpena Co. Mich.							
All Persons:								
#	3,981	1,127,886						
%	12.9%	11.5%						
Ages 0-17:								
#	1,661	468,947						
%	20.6%	18.0%						
Related Children								
(Ages 5-17)								
In Families:								
#	1,157	318,465						
%	18.8%	16.8%						

Source: U.S. Census Bureau - Small Area Income & Poverty Estimate Seri

Source: U.S. Bureau of the Census

ECONOMIC AND SOCIAL

ALPENA CO	ALPENA COUNTY CIVILIAN LABOR FORCE 1990-1999												
Civilian La	abor Force	En	nployment		Unemp	loyment	Unemp Rate	Mich.					
	#	% Dif*	#	% Dif*	#	% Dif*	%	Unemp. Rate					
1990	14,275	N.C.	12,775	N.C.	1,500	N.C.	10.5%	7.5%					
1991	14,575	2.1%	12,700	-0.6%	1,875	25.0%	12.8%	9.2%					
1992	15,075	3.4%	13,000	2.4%	2,075	10.7%	13.8%	8.9%					
1993	15,075	0.0%	13,250	1.9%	1,825	-12.0%	12.0%	7.1%					
1994	15,525	3.0%	13,700	3.4%	1,825	0.0%	11.7%	5.9%					
1995	15,375	N.C.	13,750	N.C.	1,625	N.C.	10.6%	5.3%					
1996	15,750	N.C.	14,275	N.C.	1,475	N.C.	9.4%	4.9%					
1997	16,025	1.7%	14,725	3.2%	1,275	-13.6%	8.0%	4.2%					
1998	16,225	1.2%	15,100	2.5%	1,125	-11.8%	7.0%	3.9%					
1999	16,475	1.5%	15,400	2.0%	1,075	-4.4%	6.5%	3.8%					

* Figure shows percent difference from preceding year.

Source: Mich. Dept. of Career Dev., Employment Services Agency

"N.C." - Data not comparable. Figures for 1990 through 1994 are revised benchmarked as of 1996, figures for 1995 are revised benchmarked as of 1998,

figures for 1996 are revised benchmarked as of 1999 and figures for 1997-1999 are revised benchmarked as of 2000.

ALPENA COUNTY EMPLOYMENT DISTRIBUTION: 1990 - 1999

<u> </u>						000					
		Total*	Goods Pro	ducing Indu	Istries	Service Pro	ducing Indu	ustries	Government**		
		#	#	%***	% Dif****	#	%***	% Dif****	#	%***	% Dif****
	1990	11,875	2,800	23.6%	2.8%	6,275	52.8%	5.9%	2,800	23.6%	3.7%
	1991	11,800	2,600	22.0%	-7.1%	6,350	53.8%	1.2%	2,850	24.2%	1.8%
	1992	11,850	2,575	21.7%	-1.0%	6,400	54.0%	0.8%	2,875	24.3%	0.9%
	1993	11,850	2,675	22.6%	3.9%	6,350	53.6%	-0.8%	2,825	23.8%	-1.7%
	1994	12,350	2,925	23.7%	9.3%	6,600	53.4%	3.9%	2,825	22.9%	0.0%
	1995	12,725	2,975	23.4%	1.7%	6,925	54.4%	4.9%	2,850	22.4%	0.9%
	1996	13,250	3,075	23.2%	3.4%	7,250	54.7%	4.7%	2,925	22.1%	2.6%
	1997	13,600	3,150	23.2%	2.4%	7,400	54.4%	2.1%	3,050	22.4%	4.3%
	1998	13,925	3,200	23.0%	1.6%	7,625	54.8%	3.0%	3,100	22.3%	1.6%
	1999	14,125	3,325	23.5%	3.9%	7,650	54.2%	0.3%	3,175	22.5%	2.4%

Totals may not be exact, due to rounding.

** Government employment not included in Service Producing figures.

*** Figure shows the percent each employment sector is of the total wage and salary employment.
 **** Figure shows the percent difference from preceding year.
 Source: Mich. Dept. of Ca

**** Figure shows the percent difference from preceding year.Source: Mich. Dept. of Career Dev., Employment Services AgencyNote:Figures for 1990-94 are revised benchmarked as of 1996, for 1995 as of 1998, for 1996 as of 1999 and for 1997-99 are revised benchmarked as of 2000.

ALPENA COUNTY WAGE AND SALARY EMPLOYMENT BY SECTOR 1990 - 1999

	Mining &						
	Const	Mfg	Retail	Service	Govt	Other*	Total**
1990	600	2,200	2,450	2,025	2,800	1,800	11,875
% DIF***	9.1%	1.1%	6.5%	8.0%	3.7%	2.9%	4.6%
1991	550	2,050	2,475	2,025	2,850	1,850	11,800
% DIF***	-8.3%	-6.8%	1.0%	0.0%	1.8%	2.8%	-0.6%
1992	550	2,025	2,450	2,100	2,875	1,850	11,850
% DIF***	0.0%	-1.2%	-1.0%	3.7%	0.9%	0.0%	0.4%
1993	625	2,025	2,500	2,200	2,825	1,800	11,925
% DIF***	13.6%	0.0%	2.0%	4.8%	-1.7%	-2.7%	0.6%
1994	625	2,300	2,425	2,300	2,825	1,875	12,350
% DIF***	0.0%	13.6%	-3.0%	4.5%	0.0%	4.2%	3.6%
1995	625	2,350	2,625	2,400	2,850	1,900	12,725
% DIF***	0.0%	2.2%	8.2%	4.3%	0.9%	1.3%	3.0%
1996	725	2,325	2,850	2,475	2,925	1,925	13,250
% DIF***	16.0%	-1.1%	8.6%	3.1%	2.6%	1.3%	4.1%
1997	775	2,375	2,825	2,675	3,050	1,900	13,600
% DIF***	6.9%	2.2%	-0.9%	8.1%	4.3%	-1.3%	2.6%
1998	775	2,425	2,875	2,875	3,100	1,850	13,925
% DIF***	0.0%	2.1%	1.8%	7.5%	1.6%	-2.6%	2.4%
1999	850	2,475	2,875	2,950	3,175	1,800	14,125

* Other = Transportation, Communications & Utilities, Wholesale Trade and Finance, Insurance and Real Estate

** Total may not add due to rounding. Source: Mich. Dept. of Career Dev., Employment Services Agency

*** Figure shows percentage difference from preceding year.

Note: Figures for 1990-94 are revised benchmarked as of 1996, for 1995 as of 1998, for 1996 as of 1999 and for 1997-99 are revised benchmarked as of 2000.

ALPENA COUNTY EMPLOYED PERSONS BY INDUSTRY 1990 Total employed persons 16 years old and over: 12,439

Ag/Forest/Fishing	Mining	Construction	Manufacturine	Trans/Commun/Utilities	
0 0	~ # °	# %	# %	# %	
#	0 # 70	# 70	# 70	# 70	
317 2.59	6 95 0.8%	758 6.1%	2,385 19.2%	782 6.3%	
			_,		
Wholesale	Retail	FIRE*	Health Services	Education Services	
		· · · · _			
# 9	6	# %	# %	# %	
414 3.39	6 2,488 20.0%	702 5.6%	1,225 9.8%	1,099 8.8%	
-1-7 0.0	2,400 20.070	102 0.070	1,220 0.070	1,000 0.070	

Other	Services
#	%
2,174	17.5%

* Finance, insurance and real estate Source: U.S. Bureau of the Census

ALPENA COUNTY OCCUPATION 1990

ALI LINA COUNT I OCCOLATION 13	30	
	#	%
Employed persons 16 years or over	12,439	
Executive/administrative/managerial	1,126	9.1%
Professional specialties	1,487	12.0%
Technicians and related support	366	2.9%
Sales	1,566	12.6%
Administrative support incl clerical	1,785	14.4%
Private household	69	0.6%
Protective services	191	1.5%
Service exp protective and househol	1,775	14.3%
Farming/forestry/fishing	308	2.5%
Precision production, craft and repai	1,527	12.3%
Mach operators/assemblers/inspecto	941	7.6%
Transportation & material moving	652	5.2%
Handlers/equip clnrs/helpers/laborer	646	5.2%

Source: U S Bureau of the Census, 1990

ALPENA COUNTY MAJOR EMPLOYERS: 1995

NAME	LOCATION	PRODUCT/SERVICE	# EMPLOYEES
Alpena General Hospital	Alpena	Health Care	667
Alpena Public Schools	Alpena	Education	625
Besser Company	Alpena	Concrete Block Making Machines	450
ABTCo	Alpena	Hardboard Manufacturing	330
Lafarge Corp.	Alpena	Cement	280
Fletcher Paper Co.	Alpena	Paper	240
NEMROC	Alpena	Sheltered Workshop	210
Alpena County	Alpena	County Government	180
Alpena Community College	Alpena	Community College	143
Thunder Bay Manufacturing	Alpena	Maching Shop; Iron Foundry	100

Source: NEMCOG, 1995

ALPENA COUNTY MANUFACTURING FACILITIES: 1999

BUSINESS	UNIY MAN	NUFACTUR	ING FACILI	<u>FIES: 1999</u> SIC CODE						# EMP	
ABTco, Inc.			Alpena	2499, 2435/	Hardboard					250	
Adams Home Air Devices C	•	ent	Alpena Alpena	3089/Vinyl v 3593, 3491,	vindows 3492, 3599/	Air & hydrau	llic cylinders	& valves		6 18	
Alpena Auto I Alpena News			Alpena Alpena	3625, 3694,	3561, 3621/ 2752/Newsp	Starters, alte	ernators, car	buretors, pu		3 55	
Alpena Print N			Alpena		2789/Offset		÷ · ·	-		4	
Alpena Scree Alpena Star	n Art Co.		Alpena Alpena		screen print					7 11	
ALRO Steel C			Alpena		s service cent		tting service			8	
Ameri-Shred Baker Enterpi		orp.	Alpena Alpena		rial shredder: 3554, 3499,		ete block hdl	eant nane	r & steel	25 65	
Benjey, W.G.	, Inc.		Alpena	3452, 3423,	3535, 3599/	Pump & con	veyor screw			4	
Benjey, W.G. Benjey, W.G.			Alpena Alpena		Sheet & stru 7389/Machi		•	dna mill & l	athe etc	4 14	
Benjey, W.G.	, Inc.		Alpena	3593/Air & h	nydraulic cylii	nders, sheet	metal & stai	nless steel f	abricating	5	
Benjey, W.G. Besser Co.	, Inc.		Alpena Alpena		nydraulic cylin ete block forr				y, etc.	35 500	
Classic Creat			Alpena	2759,2396/#	Advertising s	pecialties & f				2	
Crow, A B Me D.G. Trim Pro			Alpena Alpena		281/Cemetary monuments 714/Soft interior auto headliners						
Eagle Engrg &	& Sply Co.		Alpena	3535, 3613/	535, 3613/Electric control panels & special materials handling equip.						
Fiber Char Co Fletcher Pape	•		Alpena Alpena		431, 2435, 2499, 3442/Moldings, paneling & picture frames 621/Specialty light weight paper						
Framon Mfg.	Co., Inc.		Alpena	3545/Specia	alized locksm	ith key mach	nines			215 8	
Freesee Hydr Garant's Offic		Print	Alpena Alpena		ulic cylinder ı 2791, 2789/		esetting, stite	ching & bind	ing, etc.	5 6	
Gildner Ceme	ent Products		Alpena	3273/Ready	-mixed conc	rete	-	-	-	3	
Hirzel Sign Sł Huron Sheet			Alpena Alpena		Signs, metal metal fabrica	-	k screen, air	brush & ving	yı	2 9	
Jerry's Printin	•		Alpena	2752/Offset			to			1	
L&S Transit M LaFarge Corp		e Co.	Alpena Alpena	3241/Bulk c	r-mixed & pre ement	cast concre	le			8 275	
Loujon Mfg. C			Alpena		ulic cylinders		aqualara au	mn ^e motor	mounto	20	
Magnaloy Co Minton, Floyd		t Co	Alpena Alpena		3561/Flexibl timber, rough			imp & motor	mounts	20 15	
Model Printing NEMROC, Inc	g Service		Alpena Alpena	2759, 2752,	3469/Printin 2426, 2448/	g, stamping	& embossing		c	8 185	
PCI Procal In			Alpena		3714/Materi					42	
Panel Proces Phillips, J.D.,	-		Alpena Alpena		Painted & fal Automated n			ticleboard		60 36	
Q.C. Wood P	roducts		Alpena	2448, 2426/	Indl lumber,	pallets & ski				8	
Rust Wood P Scientific Bral		ment	Alpena Alpena		en pallets & l Metal fabrica		s MIG TIG	& heliarc we	lding	3 9	
Signs-Write-N	low		Alpena	3993/Compu	uter generate	ed & screene			Jang	2	
Specification Standard Pro		lucts Inc.	Alpena Alpena		tone gravel 8 Custom mea		1			27 4	
Superior Fab	ricating Inc.		Alpena	3441/Conve	yors, elevato					10	
T&T Machine Thunder Bay	•	rod.	Alpena Alpena	3599/Machir 3271/Concre	ne shop ete blocks, b	ricks & mase	onrv material	s		3 9	
Thunder Bay	Mfg. Corp.		Alpena	3322, 3363,	3599/Iron fo	undries, die	castings & n	nachine sho	р	105	
Triflex Industr Woodlands H		nc.	Alpena Alpena	3993, 3089/ 2411/Loggin	Plastic signs	& point of p	urchase disp	olays		4 16	
X-L Grinding	& Tool, Inc.		Alpena	3544, 3599/	Tool & die, to		types, OD, II	O & surface	grinding	2	
Smith Precisi	on		Herron	3544, 3599/Tool & die, tooling, prototypes, OD, ID & surface grinding 3469/Tool & die stampings							
Better Best Co	edar Fence	& Post	Hubbard Lk	Lk 2499, 2426/Cedar posts, fencing & cut stock							
Better Best Co Fair & Square	e Pallet & Lu		Hubbard Lk Hubbard Lk	2499, 2426/ 2421/Sawm	Cedar posts, ill	fencing & c				4 14 5	
Fair & Square Kubbe Machir	e Pallet & Lu ne Shop	umber	Hubbard Lk	2499, 2426/ 2421/Sawm 3599, 7692/	Cedar posts, ill Machine sho	fencing & c p, welding,s		ng, lathe & r	mill work	14	
Fair & Square Kubbe Machir Sommerfield Two-Q Wood	e Pallet & Lu ne Shop Sawing & P & Metal W	umber Planing orking	Hubbard Lk Hubbard Lk Hubbard Lk Hubbark Lk Hubbard Lk	2499, 2426/ 2421/Sawm 3599, 7692/ 2421/Lumbe 2421, 2426/	Cedar posts, ill Machine sho er sawing & p Sawmill, dim	fencing & c p, welding,s planing pension lumb	urface grindi er		mill work	14 5 1 2 1	
Fair & Square Kubbe Machir Sommerfield	e Pallet & Lu ne Shop Sawing & P & Metal W & Gravel C	umber Planing orking	Hubbard Lk Hubbard Lk Hubbard Lk Hubbark Lk	2499, 2426/ 2421/Sawm 3599, 7692/ 2421/Lumbe 2421, 2426/ 3273, 1442/	Cedar posts, ill Machine sho er sawing & p	fencing & c p, welding,s planing lension lumb d concrete, s	urface grindi ber and & gravel		mill work	14 5 1 2	
Fair & Square Kubbe Machin Sommerfield Two-Q Wood Werner Sand Sine Tool Co. Via-Tech Cor	Pallet & Lu ne Shop Sawing & F & Metal W & Gravel C p.	umber Planing orking	Hubbard Lk Hubbard Lk Hubbard Lk Hubbark Lk Hubbard Lk Hubbard Lk Lachine Lachine	2499, 2426/ 2421/Sawm 3599, 7692/ 2421/Lumbe 2421, 2426/ 3273, 1442/ 3599/Machin 3535/Conve	Cedar posts, ill Machine sho er sawing & p Sawmill, dim Ready-mixeo ne shop; surf yor equipme	fencing & c pp, welding,s planing lension lumb d concrete, s face grinding nt	urface grindi er and & gravel 9 & tooling		mill work	14 5 1 2 1 4 1 22	
Fair & Square Kubbe Machin Sommerfield Two-Q Wood Werner Sand Sine Tool Co.	Pallet & Lu ne Shop Sawing & F & Metal W & Gravel C p.	umber Planing orking	Hubbard Lk Hubbard Lk Hubbard Lk Hubbark Lk Hubbard Lk Hubbard Lk Lachine	2499, 2426/ 2421/Sawm 3599, 7692/ 2421/Lumbe 2421, 2426/ 3273, 1442/ 3599/Machin 3535/Conve	Cedar posts, ill Machine sho er sawing & p Sawmill, dim Ready-mixed ne shop; surf yor equipme e, stainless s	fencing & c pp, welding,s planing lension lumb d concrete, s face grinding nt	urface grindi er and & gravel 9 & tooling		mill work	14 5 1 2 1 4 1	
Fair & Square Kubbe Machir Sommerfield Two-Q Wood Werner Sand Sine Tool Co. Via-Tech Corp Cranbrook Ltt Ossineke Indu Source: "1999 M	Pallet & Lu ne Shop Sawing & F & Metal W & Gravel C p. d. ustries ichigan Indust	umber Planing orking Co. rial Directory"	Hubbard Lk Hubbard Lk Hubbard Lk Hubbark Lk Hubbard Lk Lachine Ossineke Ossineke Harris Publish	2499, 2426/ 2421/Sawm 3599, 7692/ 2421/Lumbe 2421, 2426/ 3273, 1442/ 3599/Machin 3535/Conve 3499/Bronze 3545/Custon	Cedar posts, ill Machine sho er sawing & p Sawmill, dim Ready-mixed ne shop; surf yor equipme e, stainless s	fencing & c p, welding,s planing lension lumb d concrete, s face grinding nt teel & wood	urface grindi per and & gravel g & tooling sculptures		mill work	14 5 1 2 1 4 1 22 2 101	
Fair & Square Kubbe Machin Sommerfield Two-Q Wood Werner Sand Sine Tool Co. Via-Tech Corp Cranbrook Lto Ossineke Indu Source: "1999 M ALPENA COL	Pallet & Lu ne Shop Sawing & P & Metal W & Gravel C & Gravel C p. d. ustries ichigan Indust <u>JNTY EMPI</u> 1991	umber Planing orking co. rrial Directory" <u>LOYMENT</u> 1992	Hubbard Lk Hubbard Lk Hubbard Lk Hubbark Lk Hubbard Lk Lachine Ossineke Ossineke Harris Publish FORECAST 1993	2499, 2426/ 2421/Sawm 3599, 7692/ 2421/Lumbe 2421, 2426/ 3273, 1442/ 3599/Machin 3535/Conve 3499/Bronze 3545/Custon ing	Cedar posts, ill Machine sho er sawing & p Sawmill, dim Ready-mixed ne shop; surf yor equipme e, stainless s m drill bits 1995	fencing & c p, welding,s planing lension lumb d concrete, s face grinding nt teel & wood	urface grindi per and & gravel g & tooling sculptures Compilation and 2005	additions by N 2010	IEMCOG, Gaylo 2015	14 5 1 2 1 4 1 2 2 101 ord, MI 2020	
Fair & Square Kubbe Machin Sommerfield Two-Q Wood Werner Sand Sine Tool Co. Via-Tech Corp Cranbrook Lto Ossineke Indu Source: "1999 M <u>ALPENA COU</u> Dur Manf	Pallet & Lu ne Shop Sawing & P & Metal W & Gravel C p. d. ustries ichigan Indust <u>JNTY EMPI</u> 1,852	umber Planing orking Co. rrial Directory" <u>LOYMENT</u> 1992 1,813	Hubbard Lk Hubbard Lk Hubbark Lk Hubbark Lk Hubbard Lk Lachine Lachine Ossineke Ossineke Harris Publish FORECAST 1993 1,780	2499, 2426/ 2421/Sawm 3599, 7692/ 2421/Lumbe 2421, 2426/ 3273, 1442/ 3599/Machin 3535/Conve 3499/Bronze 3545/Custor ing 1994 1,792	Cedar posts, ill Machine sho er sawing & p Sawmill, dim Ready-mixed ne shop; surf yor equipme e, stainless s m drill bits 1995 1,779	fencing & c p, welding,s planing ension lumb d concrete, s face grinding nt teel & wood 2000 1,762	urface grindi per and & gravel & tooling sculptures Compilation and 2005 1,771	additions by N 2010 1,715	IEMCOG, Gaylo 2015 1,602	14 5 1 2 1 4 1 22 2 101 ord, MI 2020 1,482	
Fair & Square Kubbe Machin Sommerfield Two-Q Wood Werner Sand Sine Tool Co. Via-Tech Corp Cranbrook Lto Ossineke Indu Source: "1999 M <u>ALPENA COU</u> Dur Manf NonDur Mai Mining	Pallet & Lu ne Shop Sawing & P & Metal W & Gravel C p. d. ustries ichigan Indust JNTY EMPI 1,852 499 30	umber Planing orking co. trial Directory" LOYMENT 1992 1,813 505 30	Hubbard Lk Hubbard Lk Hubbark Lk Hubbark Lk Hubbard Lk Lachine Lachine Ossineke Ossineke Harris Publish FORECAST 1993 1,780 507 31	2499, 2426/ 2421/Sawm 3599, 7692/ 2421/Lumbe 2421, 2426/ 3273, 1442/ 3599/Machin 3535/Conve 3499/Bronze 3545/Custor ing 1994 1,792 513 31	Cedar posts, ill Machine sho er sawing & p Sawmill, dim Ready-mixed ne shop; surf yor equipme e, stainless s m drill bits 1995 1,779 513 32	fencing & c pp, welding,s planing tension lumb d concrete, s face grinding nt teel & wood 1,762 527 34	urface grindi er and & gravel & tooling sculptures Compilation and 2005 1,771 545 36	additions by N 2010 1,715 539 39	IEMCOG, Gaylo 2015 1,602 523 40	14 5 1 2 1 4 1 22 2 101 ord, MI 2020 1,482 508 42	
Fair & Square Kubbe Machin Sommerfield Two-Q Wood Werner Sand Sine Tool Co. Via-Tech Corp Cranbrook Lto Ossineke Indu Source: "1999 M <u>ALPENA COU</u> Dur Manf NonDur Man Mining Constr	Pallet & Lu ne Shop Sawing & P & Metal W & Gravel C p. d. ustries ichigan Indust JNTY EMPI 1,852 499 30 732	umber Planing orking co. trial Directory" LOYMENT 1992 1,813 505 30 718	Hubbard Lk Hubbard Lk Hubbark Lk Hubbark Lk Hubbard Lk Lachine Lachine Ossineke Ossineke Harris Publish FORECAST 1993 1,780 507 31 729	2499, 2426/ 2421/Sawm 3599, 7692/ 2421/Lumbe 2421, 2426/ 3273, 1442/ 3599/Machin 3535/Conve 3499/Bronze 3545/Custor ing 1994 1,792 513 31 740	Cedar posts, ill Machine sho er sawing & p Sawmill, dim Ready-mixed ne shop; surf yor equipme e, stainless s m drill bits 1995 1,779 513 32 747	fencing & c pp, welding,s planing rension lumb d concrete, s face grinding nt teel & wood 1,762 527 34 765	urface grindi er and & gravel g & tooling sculptures Compilation and 2005 1,771 545 36 817	additions by N 2010 1,715 539 39 831	IEMCOG, Gaylo 2015 1,602 523 40 824	14 5 1 2 1 4 1 22 2 101 ord, MI 2020 1,482 508 42 806	
Fair & Square Kubbe Machin Sommerfield Two-Q Wood Werner Sand Sine Tool Co. Via-Tech Corp Cranbrook Lto Ossineke Indu Source: "1999 M <u>ALPENA COU</u> Dur Manf NonDur Mai Mining Constr Trans/PbUti Fin/Ins/RI Est	Pallet & Lu ne Shop Sawing & F & Metal W & Gravel C p. d. ustries ichigan Indust JNTY EMPI 1,852 499 30 732 785 743	umber Planing orking co. rrial Directory" LOYMENT 1992 1,813 505 30 718 786 757	Hubbard Lk Hubbard Lk Hubbard Lk Hubbark Lk Hubbard Lk Lachine Lachine Ossineke Ossineke Harris Publish FORECAST 1993 1,780 507 31 729 789 789	2499, 2426/ 2421/Sawm 3599, 7692/ 2421/Lumbe 2421, 2426/ 3273, 1442/ 3599/Machin 3535/Conve 3499/Bronze 3545/Custor ing 1994 1,792 513 31 740 799 798	Cedar posts, ill Machine sho er sawing & p Sawmill, dim Ready-mixed ne shop; surf yor equipme e, stainless s m drill bits 1995 1,779 513 32 747 803 813	fencing & c pp, welding,s planing rension lumb d concrete, s face grinding nt teel & wood 1,762 527 34 765 837 890	urface grindi per and & gravel g & tooling sculptures Compilation and 2005 1,771 545 36 817 878 949	additions by N 2010 1,715 539 39 831 904 1,007	IEMCOG, Gaylo 2015 1,602 523 40 824 917 1,052	14 5 1 2 1 4 1 22 2 101 ord, MI 2020 1,482 508 42 806 918 1,080	
Fair & Square Kubbe Machin Sommerfield Two-Q Wood Werner Sand Sine Tool Co. Via-Tech Corp Cranbrook Lto Ossineke Indu Source: "1999 M <u>ALPENA COU</u> Dur Manf NonDur Mai Mining Constr Trans/PbUti	Pallet & Lu ne Shop Sawing & P & Metal W & Gravel C p. d. ustries ichigan Indust JNTY EMPI 1,852 499 30 732 785	umber Planing orking co. trial Directory" LOYMENT 1992 1,813 505 30 718 786	Hubbard Lk Hubbard Lk Hubbard Lk Hubbark Lk Hubbard Lk Lachine Lachine Ossineke Ossineke Harris Publish FORECAST 1993 1,780 507 31 729 789	2499, 2426/ 2421/Sawm 3599, 7692/ 2421/Lumbe 2421, 2426/ 3273, 1442/ 3599/Machin 3535/Conve 3499/Bronze 3545/Custor ing 1994 1,792 513 31 740 799	Cedar posts, ill Machine sho er sawing & p Sawmill, dim Ready-mixed ne shop; surf yor equipme e, stainless s m drill bits 1995 1,779 513 32 747 803	fencing & c p, welding,s planing rension lumb d concrete, s face grinding nt teel & wood 1,762 527 34 765 837	urface grindi per and & gravel g & tooling sculptures Compilation and 2005 1,771 545 36 817 878	additions by N 2010 1,715 539 39 831 904	IEMCOG, Gaylo 2015 1,602 523 40 824 917	14 5 1 2 1 4 1 22 2 101 ord, MI 2020 1,482 508 42 806 918	
Fair & Square Kubbe Machir Sommerfield Two-Q Wood Werner Sand Sine Tool Co. Via-Tech Corp Cranbrook Lto Ossineke Indu Source: "1999 M ALPENA COU Dur Manf NonDur Mai Mining Constr Trans/PbUti Fin/Ins/RI Est Ret Trade WhISI Trade Services	 Pallet & Luine Shop Sawing & F & Metal Will & Gravel C p. d. ustries ichigan Indust JNTY EMPI 1,852 499 30 732 785 743 2,884 700 3,486 	umber Planing orking 50. rial Directory" LOYMENT 1992 1,813 505 30 718 786 757 2,951 707 3,684	Hubbard Lk Hubbard Lk Hubbard Lk Hubbark Lk Hubbard Lk Lachine Lachine Ossineke Ossineke Harris Publish FORECAST 1993 1,780 507 31 729 789 772 3,030 719 3,876	2499, 2426/ 2421/Sawm 3599, 7692/ 2421/Lumbe 2421, 2426/ 3273, 1442/ 3599/Machin 3535/Conve 3499/Bronze 3545/Custor ing 1994 1,792 513 31 740 799 798 3,191 743 4,041	Cedar posts, ill Machine sho er sawing & p Sawmill, dim Ready-mixed ne shop; surf yor equipme e, stainless s m drill bits 1995 1,779 513 32 747 803 813 3,248 754 4,180	fencing & c p, welding,s planing lension lumb d concrete, s face grinding nt teel & wood 2000 1,762 527 34 765 837 890 3,380 799 4,929	urface grindi per and & gravel g & tooling sculptures Compilation and 2005 1,771 545 36 817 878 949 3,591 863 5,375	additions by N 2010 1,715 539 39 831 904 1,007 3,631 901 5,551	EMCOG, Gaylo 2015 1,602 523 40 824 917 1,052 3,584 904 5,665	14 5 1 2 1 4 1 22 2 101 ord, MI 2020 1,482 508 42 806 918 1,080 3,537 899 5,852	
Fair & Square Kubbe Machir Sommerfield Two-Q Wood Werner Sand Sine Tool Co. Via-Tech Corp Cranbrook Lto Ossineke Indu Source: "1999 M ALPENA COU Dur Manf NonDur Mai Mining Constr Trans/PbUti Fin/Ins/RI Est Ret Trade WhIsl Trade	Pallet & Lu ne Shop Sawing & F & Metal W & Gravel C p. d. ustries ichigan Indust JNTY EMPI 1,852 499 30 732 785 743 2,884 700	umber Planing orking 50. rial Directory" LOYMENT 1992 1,813 505 30 718 786 757 2,951 707	Hubbard Lk Hubbard Lk Hubbard Lk Hubbark Lk Hubbard Lk Lachine Lachine Ossineke Ossineke Harris Publish FORECAST 1993 1,780 507 31 729 789 789 772 3,030 719	2499, 2426/ 2421/Sawm 3599, 7692/ 2421/Lumbe 2421, 2426/ 3273, 1442/ 3599/Machin 3535/Conve 3499/Bronze 3545/Custor ing 1994 1,792 513 31 740 799 798 3,191 743	Cedar posts, ill Machine sho er sawing & p Sawmill, dim Ready-mixed ne shop; surf yor equipme e, stainless s m drill bits 1995 1,779 513 32 747 803 813 3,248 754	fencing & c p, welding,s planing tension lumb d concrete, s face grinding nt teel & wood 2000 1,762 527 34 765 837 890 3,380 799	urface grindi per and & gravel g & tooling sculptures Compilation and 2005 1,771 545 36 817 878 949 3,591 863	additions by N 2010 1,715 539 39 831 904 1,007 3,631 901	EMCOG, Gaylo 2015 1,602 523 40 824 917 1,052 3,584 904	14 5 1 2 1 4 1 22 2 101 ord, MI 2020 1,482 508 42 806 918 1,080 3,537 899	
Fair & Square Kubbe Machir Sommerfield Two-Q Wood Werner Sand Sine Tool Co. Via-Tech Corp Cranbrook Ltt Ossineke Indu Source: "1999 M ALPENA COU Dur Manf NonDur Mai Mining Constr Trans/PbUti Fin/Ins/RI Est Ret Trade WhIsI Trade Services Ag/For/Fish St/Loc Govern Fed Civil Gov	 Pallet & Lune Shop Sawing & F & Metal We & Gravel C p. d. ustries ichigan Indust JNTY EMPI 1,852 499 30 732 785 743 2,884 700 3,486 112 2,688 110 	umber Planing orking co. rial Directory" LOYMENT 1992 1,813 505 30 718 786 757 2,951 707 3,684 118 2,729 110	Hubbard Lk Hubbard Lk Hubbard Lk Hubbark Lk Hubbard Lk Lachine Lachine Ossineke Marris Publish FORECAST 1993 1,780 507 31 729 789 772 3,030 719 3,876 124 2,772 108	2499, 2426/ 2421/Sawm 3599, 7692/ 2421/Lumbe 2421, 2426/ 3273, 1442/ 3599/Machin 3535/Conve 3499/Bronze 3545/Custor ing 1994 1,792 513 31 740 799 798 3,191 743 4,041 127 2,798 107	Cedar posts, ill Machine sho er sawing & p Sawmill, dim Ready-mixed ne shop; surf yor equipme e, stainless s m drill bits 1995 1,779 513 32 747 803 813 3,248 754 4,180 129 2,808 106	fencing & c p, welding,s planing lension lumb d concrete, s face grinding nt teel & wood 2000 1,762 527 34 765 837 890 3,380 799 4,929 140 2,892 105	urface grindi per and & gravel g & tooling sculptures Compilation and 2005 1,771 545 36 817 878 949 3,591 863 5,375 148 2,999 108	additions by N 2010 1,715 539 39 831 904 1,007 3,631 901 5,551 153 3,111 110	IEMCOG, Gaylo 2015 1,602 523 40 824 917 1,052 3,584 904 5,665 155 3,154 112	14 5 1 2 1 4 1 22 2 101 0rd, MI 2020 1,482 508 42 806 918 1,080 3,537 899 5,852 157 3,098 113	
Fair & Square Kubbe Machir Sommerfield Two-Q Wood Werner Sand Sine Tool Co. Via-Tech Corp Cranbrook Ltt Ossineke Indu Source: "1999 M ALPENA COU Dur Manf NonDur Mai Mining Constr Trans/PbUti Fin/Ins/RI Est Ret Trade WhIsI Trade Services Ag/For/Fish St/Loc Govern	 Pallet & Lune Shop Sawing & F & Metal We & Gravel C p. d. ustries ichigan Indust JNTY EMPI 1,852 499 30 732 785 743 2,884 700 3,486 112 2,688 	umber Planing orking co. rial Directory" LOYMENT 1992 1,813 505 30 718 786 757 2,951 707 3,684 118 2,729	Hubbard Lk Hubbard Lk Hubbard Lk Hubbark Lk Hubbard Lk Lachine Lachine Ossineke Marris Publish FORECAST 1993 1,780 507 31 729 789 772 3,030 719 3,876 124 2,772	2499, 2426/ 2421/Sawm 3599, 7692/ 2421/Lumbe 2421, 2426/ 3273, 1442/ 3599/Machin 3535/Conve 3499/Bronze 3545/Custor ing 1994 1,792 513 31 740 799 798 3,191 743 4,041 127 2,798	Cedar posts, ill Machine sho er sawing & p Sawmill, dim Ready-mixed ne shop; surf yor equipme e, stainless s m drill bits 1995 1,779 513 32 747 803 813 3,248 754 4,180 129 2,808	fencing & c pp, welding,s planing tension lumb d concrete, s face grinding nt teel & wood 1,762 527 34 765 837 890 3,380 799 4,929 140 2,892	urface grindi per and & gravel g & tooling sculptures Compilation and 2005 1,771 545 36 817 878 949 3,591 863 5,375 148 2,999	additions by N 2010 1,715 539 39 831 904 1,007 3,631 901 5,551 153 3,111	EMCOG, Gaylo 2015 1,602 523 40 824 917 1,052 3,584 904 5,665 155 3,154	14 5 1 2 1 4 1 22 2 101 ord, MI 2020 1,482 508 42 806 918 1,080 3,537 899 5,852 157 3,098	
Fair & Square Kubbe Machin Sommerfield Two-Q Wood Werner Sand Sine Tool Co. Via-Tech Corp Cranbrook Ltto Ossineke Indu Source: "1999 M <u>ALPENA COU</u> Dur Manf NonDur Mai Mining Constr Trans/PbUti Fin/Ins/RI Est Ret Trade WhIsI Trade Services Ag/For/Fish St/Loc Govern Fed Civil Gov Fed Mil Gov	 Pallet & Lune Shop Sawing & P & Metal With & Gravel C p. d. ustries ichigan Indust JNTY EMPI 1,852 499 30 732 785 743 2,884 700 3,486 112 2,688 110 98 	umber Planing orking co. trial Directory" LOYMENT 1992 1,813 505 30 718 786 757 2,951 707 3,684 118 2,729 110 98	Hubbard Lk Hubbard Lk Hubbard Lk Hubbark Lk Hubbard Lk Lachine Lachine Ossineke Ossineke Harris Publish FORECAST 1993 1,780 507 31 729 789 772 3,030 719 3,876 124 2,772 108 93	2499, 2426/ 2421/Sawm 3599, 7692/ 2421/Lumbe 2421, 2426/ 3273, 1442/ 3599/Machin 3535/Conve 3499/Bronze 3545/Custor ing 1994 1,792 513 31 740 799 798 3,191 743 4,041 127 2,798 107 85	Cedar posts, ill Machine sho er sawing & p Sawmill, dim Ready-mixed ne shop; surf yor equipme e, stainless s m drill bits 1995 1,779 513 32 747 803 813 3,248 754 4,180 129 2,808 106 75	fencing & c p, welding,s planing tension lumb d concrete, s face grinding nt teel & wood 1,762 527 34 765 837 890 3,380 799 4,929 140 2,892 105 62	urface grindi er and & gravel g & tooling sculptures Compilation and 2005 1,771 545 36 817 878 949 3,591 863 5,375 148 2,999 108 57	additions by N 2010 1,715 539 39 831 904 1,007 3,631 901 5,551 153 3,111 110 58	EMCOG, Gaylo 2015 1,602 523 40 824 917 1,052 3,584 904 5,665 155 3,154 112 57	14 5 1 2 1 4 1 22 2 101 ord, MI 2020 1,482 508 42 806 918 1,080 3,537 899 5,852 157 3,098 113 56	
Fair & Square Kubbe Machin Sommerfield Two-Q Wood Werner Sand Sine Tool Co. Via-Tech Corp Cranbrook Lto Ossineke Indu Source: "1999 M <u>ALPENA COU</u> Dur Manf NonDur Mai Mining Constr Trans/PbUti Fin/Ins/RI Est Ret Trade WhIsI Trade Services Ag/For/Fish St/Loc Govern Fed Civil Gov Fed Mil Gov Farm	 Pallet & Lune Shop Sawing & F & Metal With & Gravel C p. d. ustries ichigan Indust JNTY EMPI 1,852 499 30 732 785 743 2,884 700 3,486 112 2,688 110 98 557 	umber Planing orking co. trial Directory" LOYMENT 1992 1,813 505 30 718 786 757 2,951 707 3,684 118 2,729 110 98 546	Hubbard Lk Hubbard Lk Hubbard Lk Hubbark Lk Hubbard Lk Lachine Lachine Ossineke Ossineke Harris Publish FORECAST 1993 1,780 507 31 729 789 772 3,030 719 3,876 124 2,772 108 93 536	2499, 2426/ 2421/Sawm 3599, 7692/ 2421/Lumbe 2421, 2426/ 3273, 1442/ 3599/Machin 3535/Conve 3545/Custor ing 1994 1,792 513 31 740 799 798 3,191 743 4,041 127 2,798 107 85 525	Cedar posts, ill Machine sho er sawing & p Sawmill, dim Ready-mixed ne shop; surf yor equipme e, stainless s m drill bits 1995 1,779 513 32 747 803 813 3,248 754 4,180 129 2,808 106 75 515	fencing & c p, welding,s planing tension lumb d concrete, s face grinding nt teel & wood 2000 1,762 527 34 765 837 890 3,380 799 4,929 140 2,892 105 62 467	urface grindi her and & gravel g & tooling sculptures Compilation and 2005 1,771 545 36 817 878 949 3,591 863 5,375 148 2,999 108 57 424	additions by N 2010 1,715 539 39 831 904 1,007 3,631 901 5,551 153 3,111 110 58 403	IEMCOG, Gaylo 2015 1,602 523 40 824 917 1,052 3,584 904 5,665 155 3,154 112 57 383	14 5 1 2 1 4 1 22 2 101 0rd, MI 2020 1,482 508 42 806 918 1,080 3,537 899 5,852 157 3,098 113 56 364	
Fair & Square Kubbe Machir Sommerfield Two-Q Wood Werner Sand Sine Tool Co. Via-Tech Corp Cranbrook Lto Ossineke Indu Source: "1999 M <u>ALPENA COU</u> Dur Manf NonDur Mai Mining Constr Trans/PbUti Fin/Ins/RI Est Ret Trade WhIsI Trade Services Ag/For/Fish St/Loc Govern Fed Civil Gov Fed Mil Gov Farm Total Population	 Pallet & Lune Shop Sawing & F & Metal With & Gravel C p. d. ustries ichigan Indust JNTY EMPI 1,852 499 30 732 785 743 2,884 700 3,486 112 2,688 110 98 557 15,276 30,800 	umber Planing orking co. rrial Directory" LOYMENT 1992 1,813 505 30 718 786 757 2,951 707 3,684 118 2,729 110 98 546 1,554	Hubbard Lk Hubbard Lk Hubbard Lk Hubbard Lk Hubbard Lk Lachine Lachine Ossineke Ossineke Harris Publish FORECAST 1993 1,780 507 31 729 789 772 3,030 719 3,876 124 2,772 108 93 536 15,865	2499, 2426/ 2421/Sawm 3599, 7692/ 2421/Lumbe 2421, 2426/ 3273, 1442/ 3599/Machin 3535/Conve 3499/Bronze 3545/Custor ing 1994 1,792 513 31 740 799 798 3,191 743 4,041 127 2,798 107 85 525 16,291	Cedar posts, ill Machine sho er sawing & p Sawmill, dim Ready-mixed ne shop; surf yor equipme e, stainless s m drill bits 1995 1,779 513 32 747 803 813 3,248 754 4,180 129 2,808 106 75 515 16,501	fencing & c p, welding,s planing tension lumb d concrete, s face grinding nt teel & wood 2000 1,762 527 34 765 837 890 3,380 799 4,929 140 2,892 105 62 467 17,591	urface grindi per and & gravel g & tooling sculptures Compilation and 2005 1,771 545 36 817 878 949 3,591 863 5,375 148 2,999 108 57 424 18,561	2010 1,715 539 39 831 904 1,007 3,631 901 5,551 153 3,111 110 58 403 18,951	JEMCOG, Gaylo 2015 1,602 523 40 824 917 1,052 3,584 904 5,665 155 3,154 112 57 383 18,973	14 5 1 2 1 4 1 22 2 101 ord, MI 2020 1,482 508 42 806 918 1,080 3,537 899 5,852 157 3,098 113 56 364 18,913	
Fair & Square Kubbe Machir Sommerfield Two-Q Wood Werner Sand Sine Tool Co. Via-Tech Corp Cranbrook Lto Ossineke Indu Source: "1999 M <u>ALPENA COU</u> Dur Manf NonDur Mai Mining Constr Trans/PbUti Fin/Ins/RI Est Ret Trade WhIsI Trade Services Ag/For/Fish St/Loc Govern Fed Civil Gov Farm Total	 Pallet & Lune Shop Sawing & F & Metal With & Gravel C p. d. ustries ichigan Indust JNTY EMPI 1,852 499 30 732 785 743 2,884 700 3,486 112 2,688 110 98 557 15,276 30,800 	umber Planing orking co. rrial Directory" LOYMENT 1992 1,813 505 30 718 786 757 2,951 707 3,684 118 2,729 110 98 546 1,554	Hubbard Lk Hubbard Lk Hubbard Lk Hubbard Lk Hubbard Lk Lachine Lachine Ossineke Ossineke Harris Publish FORECAST 1993 1,780 507 31 729 789 772 3,030 719 3,876 124 2,772 108 93 536 15,865	2499, 2426/ 2421/Sawm 3599, 7692/ 2421/Lumbe 2421, 2426/ 3273, 1442/ 3599/Machin 3535/Conve 3499/Bronze 3545/Custor ing 1994 1,792 513 31 740 799 798 3,191 743 4,041 127 2,798 107 85 525 16,291	Cedar posts, ill Machine sho er sawing & p Sawmill, dim Ready-mixed ne shop; surf yor equipme e, stainless s m drill bits 1995 1,779 513 32 747 803 813 3,248 754 4,180 129 2,808 106 75 515 16,501	fencing & c p, welding,s planing tension lumb d concrete, s face grinding nt teel & wood 2000 1,762 527 34 765 837 890 3,380 799 4,929 140 2,892 105 62 467 17,591	urface grindi per and & gravel g & tooling sculptures Compilation and 2005 1,771 545 36 817 878 949 3,591 863 5,375 148 2,999 108 57 424 18,561	2010 1,715 539 39 831 904 1,007 3,631 901 5,551 153 3,111 110 58 403 18,951	JEMCOG, Gaylo 2015 1,602 523 40 824 917 1,052 3,584 904 5,665 155 3,154 112 57 383 18,973	14 5 1 2 1 4 1 22 2 101 ord, MI 2020 1,482 508 42 806 918 1,080 3,537 899 5,852 157 3,098 113 56 364 18,913	
Fair & Square Kubbe Machir Sommerfield Two-Q Wood Werner Sand Sine Tool Co. Via-Tech Corp Cranbrook Lto Ossineke Indu Source: "1999 M ALPENA COU Dur Manf NonDur Mai Mining Constr Trans/PbUti Fin/Ins/RI Est Ret Trade WhIsI Trade Services Ag/For/Fish St/Loc Govern Fed Civil Gov Fed Mil Gov Farm Total Population Income (Millio Tot Labr/Prop -SocInsTaxes	Pallet & Lu ne Shop Sawing & F & Metal W & Gravel C p. d. ustries ichigan Indust JNTY EMPI 1991 1,852 499 30 732 785 743 2,884 700 3,486 112 2,688 110 98 557 15,276 30,800 ons of \$) 307 23	umber Planing orking So. rial Directory" LOYMENT 1992 1,813 505 30 718 786 757 2,951 707 3,684 118 2,729 110 98 546 1,554 30,989 335 24	Hubbard Lk Hubbard Lk Hubbard Lk Hubbard Lk Hubbard Lk Lachine Lachine Ossineke Ossineke Harris Publish FORECAST 1993 1,780 507 31 729 789 772 3,030 719 3,876 124 2,772 108 93 536 15,865 31,259	2499, 2426/ 2421/Sawm 3599, 7692/ 2421/Lumbe 2421, 2426/ 3273, 1442/ 3599/Machin 3535/Conve 3499/Bronze 3545/Custor ing 1994 1,792 513 31 740 799 798 3,191 743 4,041 127 2,798 3,191 743 4,041 127 2,798 107 85 525 16,291 31,579	Cedar posts, ill Machine sho er sawing & p Sawmill, dim Ready-mixed ne shop; surf yor equipme e, stainless s m drill bits 1995 1,779 513 32 747 803 813 3,248 754 4,180 129 2,808 106 75 515 16,501 31,834 395 29	fencing & c p, welding,s planing tension lumb d concrete, s face grinding nt teel & wood 2000 1,762 527 34 765 837 890 3,380 799 4,929 140 2,892 105 62 467 17,591 32,693 521 39	urface grindi per and & gravel g & tooling sculptures Compilation and 2005 1,771 545 36 817 878 949 3,591 863 5,375 148 2,999 108 57 424 18,561 33,751 696 51	additions by N 2010 1,715 539 39 831 904 1,007 3,631 901 5,551 153 3,111 110 58 403 18,951 34,697 905 68	EMCOG, Gaylo 2015 1,602 523 40 824 917 1,052 3,584 904 5,665 155 3,154 112 57 383 18,973 35,226 1,141 98	14 5 1 2 1 4 1 22 2 101 ord, MI 2020 1,482 508 42 806 918 1,080 3,537 899 5,852 157 3,098 113 56 364 18,913 35,347 1,429 149	
Fair & Square Kubbe Machir Sommerfield Two-Q Wood Werner Sand Sine Tool Co. Via-Tech Corp Cranbrook Lto Ossineke Indu Source: "1999 M <u>ALPENA COU</u> Dur Manf NonDur Mai Mining Constr Trans/PbUti Fin/Ins/RI Est Ret Trade WhIsI Trade Services Ag/For/Fish St/Loc Govern Fed Civil Gov Fed Mil Gov Farm Total Population Income (Millio	Pallet & Lu ne Shop Sawing & F & Metal W & Gravel C p. d. ustries ichigan Indust JNTY EMPI 1991 1,852 499 30 732 785 743 2,884 700 3,486 112 2,688 110 98 557 15,276 30,800 ons of \$) 307 23 -15 73	umber Planing orking 50. rial Directory" LOYMENT 1992 1,813 505 30 718 786 757 2,951 707 3,684 118 2,729 110 98 546 1,554 30,989 3335 24 -17 73	Hubbard Lk Hubbard Lk Hubbard Lk Hubbard Lk Hubbard Lk Lachine Lachine Ossineke Ossineke Harris Publish FORECAST 1993 1,780 507 31 729 789 772 3,030 719 3,876 124 2,772 3,030 719 3,876 124 2,772 3,030 719 3,876 124 2,772 3,030 719 3,876 124 2,772 108 93 536 15,865 31,259	2499, 2426/ 2421/Sawm 3599, 7692/ 2421/Lumbe 2421, 2426/ 3273, 1442/ 3599/Machin 3535/Conve 3499/Bronze 3545/Custor ing 1994 1,792 513 31 740 799 798 3,191 743 4,041 127 2,798 107 85 525 16,291 31,579 376 28 -19 80	Cedar posts, ill Machine sho er sawing & p Sawmill, dim Ready-mixed ne shop; surf yor equipme e, stainless s m drill bits 1995 1,779 513 32 747 803 813 3,248 754 4,180 129 2,808 106 75 515 16,501 31,834 395 29 -20 83	fencing & c p, welding,s planing tension lumb d concrete, s face grinding nt teel & wood 2000 1,762 527 34 765 837 890 3,380 799 4,929 140 2,892 105 62 467 17,591 32,693 521 39 -26 110	urface grindi per and & gravel g & tooling sculptures Compilation and 2005 1,771 545 36 817 878 949 3,591 863 5,375 148 2,999 108 57 424 18,561 33,751 696 51 -35 149	additions by N 2010 1,715 539 39 831 904 1,007 3,631 901 5,551 153 3,111 110 58 403 18,951 34,697 905 68 -46 194	IEMCOG, Gaylo 2015 1,602 523 40 824 917 1,052 3,584 904 5,665 155 3,154 112 57 383 18,973 35,226 1,141 98 -57 247	14 5 1 2 1 4 1 22 2 101 ord, MI 2020 1,482 508 42 806 918 1,080 3,537 899 5,852 157 3,098 113 56 364 18,913 35,347 1,429 149 -70 312	
Fair & Square Kubbe Machir Sommerfield Two-Q Wood Werner Sand Sine Tool Co. Via-Tech Corp Cranbrook Ltt Ossineke Indu Source: "1999 M ALPENA COU Dur Manf NonDur Mai Mining Constr Trans/PbUti Fin/Ins/RI Est Ret Trade WhIsI Trade Services Ag/For/Fish St/Loc Govern Fed Civil Gov Fed Mil Gov Farm Total Population Income (Millio Tot Labr/Prop -SocInsTaxes +Res Adj +Div/Int/Rnt +TransPymnt	 Pallet & Lune Shop Sawing & F & Metal With & Gravel C p. d. ustries ichigan Indust JNTY EMPI 1,852 499 30 732 785 743 2,884 700 3,486 112 2,688 110 98 557 15,276 30,800 ons of \$) 307 23 -15 73 123 	umber Planing orking co. rial Directory" LOYMENT 1992 1,813 505 30 718 786 757 2,951 707 3,684 118 2,729 110 98 546 1,554 30,989 3335 24 -17 73 137	Hubbard Lk Hubbard Lk Hubbard Lk Hubbark Lk Hubbard Lk Lachine Lachine Ossineke Ossineke Harris Publish FORECAST 1993 1,780 507 31 729 789 772 3,030 719 3,876 124 2,772 108 93 536 15,865 31,259	2499, 2426/ 2421/Sawm 3599, 7692/ 2421/Lumbe 2421, 2426/ 3273, 1442/ 3599/Machin 3535/Conve 3499/Bronze 3545/Custor ing 1994 1,792 513 31 740 799 798 3,191 743 4,041 127 2,798 107 85 525 16,291 31,579 376 28 -19 80 154	Cedar posts, ill Machine sho er sawing & p Sawmill, dim Ready-mixed ne shop; surf yor equipme e, stainless s m drill bits 1995 1,779 513 32 747 803 813 3,248 754 4,180 129 2,808 106 75 515 16,501 31,834 395 29 -20 83 164	fencing & c p, welding,s planing tension lumb d concrete, s face grinding nt teel & wood 2000 1,762 527 34 765 837 890 3,380 799 4,929 140 2,892 105 62 467 17,591 32,693 521 39 -26 110 234	urface grindi per and & gravel g & tooling sculptures Compilation and 2005 1,771 545 36 817 878 949 3,591 863 5,375 148 2,999 108 57 424 18,561 33,751 696 51 -35 149 340	additions by N 2010 1,715 539 39 831 904 1,007 3,631 901 5,551 153 3,111 110 58 403 18,951 34,697 905 68 -46 194 472	IEMCOG, Gaylo 2015 1,602 523 40 824 917 1,052 3,584 904 5,665 155 3,154 112 57 383 18,973 35,226 1,141 98 -57 247 657	14 5 1 2 1 4 1 22 2 101 0rd, MI 2020 1,482 508 42 806 918 1,080 3,537 899 5,852 157 3,098 113 56 364 18,913 35,347 1,429 149 -70 312 917	
Fair & Square Kubbe Machir Sommerfield Two-Q Wood Werner Sand Sine Tool Co. Via-Tech Corp Cranbrook Ltd Ossineke Indu Source: "1999 M <u>ALPENA COU</u> Dur Manf NonDur Mai Mining Constr Trans/PbUti Fin/Ins/RI Est Ret Trade WhIsI Trade Services Ag/For/Fish St/Loc Govern Fed Civil Gov Fed Mil Gov Farm Total Population Income (Millio Tot Labr/Prop -SocInsTaxes +Res Adj +Div/Int/Rnt	Pallet & Lune Shop Sawing & F & Metal We & Gravel C p. d. JINTY EMPI 1991 1,852 499 30 732 785 743 2,884 700 3,486 112 2,688 110 98 557 15,276 30,800 ons of \$) 307 23 -15 73 123 465 59	umber Planing orking bo. rrial Directory" <u>LOYMENT</u> 1992 1,813 505 30 718 786 757 2,951 707 3,684 118 2,729 110 98 546 1,554 30,989 335 24 -17 73 137 503 62	Hubbard Lk Hubbard Lk Hubbard Lk Hubbard Lk Hubbard Lk Lachine Lachine Ossineke Ossineke Harris Publish FORECAST 1993 1,780 507 31 729 789 772 3,030 507 31 729 789 772 3,030 507 31 729 789 772 3,030 507 31 729 789 772 3,030 515 85 536 15,865 31,259 352 26 -18 76 146 530 66	2499, 2426/ 2421/Sawm 3599, 7692/ 2421/Lumbe 2421, 2426/ 3273, 1442/ 3599/Machin 3535/Conve 3545/Custor ing 1994 1,792 513 31 740 799 798 3,191 743 4,041 127 2,798 3,191 743 4,041 127 2,798 107 85 525 16,291 31,579 376 28 -19 80 154 562 73	Cedar posts, ill Machine sho er sawing & p Sawmill, dim Ready-mixed ne shop; surf yor equipme e, stainless s m drill bits 1995 1,779 513 32 747 803 813 3,248 754 4,180 129 2,808 106 75 515 16,501 31,834 395 29 -20 83 164 593 78	fencing & c p, welding,s planing tension lumb d concrete, s face grinding nt teel & wood 2000 1,762 527 34 765 837 890 3,380 799 4,929 140 2,892 105 62 467 17,591 32,693 521 39 -26 110 234 799 104	urface grindi per and & gravel y & tooling sculptures Compilation and 2005 1,771 545 36 817 878 949 3,591 863 5,375 148 2,999 108 57 424 18,561 33,751 696 51 -35 149 340 1,100 1,40	additions by N 2010 1,715 539 39 831 904 1,007 3,631 901 5,551 153 3,111 110 58 403 18,951 34,697 905 68 -46 194 472 1,458 184	IEMCOG, Gaylo 2015 1,602 523 40 824 917 1,052 3,584 904 5,665 155 3,154 112 57 383 18,973 35,226 1,141 98 -57 247 657 1,892 235	14 5 1 2 1 4 1 22 2 101 0rd, MI 2020 1,482 508 42 806 918 1,482 508 42 806 918 1,482 508 42 806 918 1,482 508 42 806 918 1,080 3,537 899 5,852 157 3,098 113 56 364 18,913 35,347 1,429 149 -70 312 917 2,438 296	
Fair & Square Kubbe Machin Sommerfield Two-Q Wood Werner Sand Sine Tool Co. Via-Tech Corp Cranbrook Lto Ossineke Indu Source: "1999 M <u>ALPENA COU</u> Dur Manf NonDur Mai Mining Constr Trans/PbUti Fin/Ins/RI Est Ret Trade WhIsI Trade Services Ag/For/Fish St/Loc Govern Fed Civil Gov Fed Mil Gov Farm Total Population Income (Millio Tot Labr/Prop -SocInsTaxes +Res Adj +Div/Int/Rnt +TransPymnt Tot Pers Inc	Pallet & Lu he Shop Sawing & F & Metal W & Gravel C p. d. ustries ichigan Indust JNTY EMPI 1991 1,852 499 30 732 785 743 2,884 700 3,486 112 2,688 110 98 557 15,276 30,800 ons of \$) 307 23 -15 73 123 465	umber Planing orking co. rrial Directory" <u>LOYMENT</u> 1992 1,813 505 30 718 786 757 2,951 707 3,684 118 2,729 110 98 546 1,554 30,989 335 24 -17 73 137 503	Hubbard Lk Hubbard Lk Hubbard Lk Hubbard Lk Hubbard Lk Lachine Lachine Ossineke Ossineke Harris Publish FORECAST 1993 1,780 507 31 729 789 772 3,030 719 3,876 124 2,772 108 93 536 15,865 31,259 352 26 -18 76 146 530	2499, 2426/ 2421/Sawm 3599, 7692/ 2421/Lumbe 2421, 2426/ 3273, 1442/ 3599/Machin 3535/Conve 3499/Bronze 3545/Custor ing 1994 1,792 513 31 740 799 798 3,191 743 4,041 127 2,798 107 85 525 16,291 31,579 376 28 -19 80 154 562	Cedar posts, ill Machine sho er sawing & p Sawmill, dim Ready-mixed ne shop; surf yor equipme e, stainless s m drill bits 1995 1,779 513 32 747 803 813 3,248 754 4,180 129 2,808 106 75 515 16,501 31,834 395 29 -20 83 164 593	fencing & c p, welding,s planing tension lumb d concrete, s face grinding nt teel & wood 2000 1,762 527 34 765 837 890 3,380 799 4,929 140 2,892 105 62 467 17,591 32,693 521 39 -26 110 234 799	urface grindi per and & gravel g & tooling sculptures Compilation and 2005 1,771 545 36 817 878 949 3,591 863 5,375 148 2,999 108 57 424 18,561 33,751 696 51 -35 149 340 1,100	additions by N 2010 1,715 539 39 831 904 1,007 3,631 901 5,551 153 3,111 110 58 403 18,951 34,697 905 68 -46 194 472 1,458	IEMCOG, Gaylo 2015 1,602 523 40 824 917 1,052 3,584 904 5,665 155 3,154 112 57 383 18,973 35,226 1,141 98 -57 247 657 1,892	14 5 1 2 1 4 1 22 2 101 0rd, MI 2020 1,482 508 42 806 918 1,080 3,537 899 5,852 157 3,098 113 56 364 18,913 35,347 1,429 149 -70 312 917 2,438	
Fair & Square Kubbe Machin Sommerfield Two-Q Wood Werner Sand Sine Tool Co. Via-Tech Corp Cranbrook Ltd Ossineke Indu Source: "1999 M <u>ALPENA COU</u> Dur Manf NonDur Mai Mining Constr Trans/PbUti Fin/Ins/RI Est Ret Trade WhISI Trade Services Ag/For/Fish St/Loc Govern Fed Civil Gov Fed Mil Gov Fed Mil Gov Farm Total Population Income (Millio Tot Labr/Prop -SocInsTaxes +Res Adj +Div/Int/Rnt +TransPymnt Tot Pers Inc -PersIncTaxes Dis Pers Inc	Pallet & Lune Shop Sawing & F & Metal Wi & Gravel C p. d. JSTIES ichigan Indust JNTY EMPI 1991 1,852 499 30 732 785 743 2,884 700 3,486 112 2,688 110 98 557 15,276 30,800 ons of \$) 307 23 -15 73 123 465 59 407	umber Planing orking bo. rrial Directory" <u>LOYMENT</u> 1992 1,813 505 30 718 786 757 2,951 707 3,684 118 2,729 110 98 546 1,554 30,989 335 24 -17 73 137 503 62 441	Hubbard Lk Hubbard Lk Hubbard Lk Hubbard Lk Hubbard Lk Lachine Lachine Ossineke Ossineke Harris Publish FORECAST 1993 1,780 507 31 729 789 772 3,030 719 3,876 124 2,772 108 93 536 15,865 31,259 352 26 -18 76 146 530 66 464	2499, 2426/ 2421/Sawm 3599, 7692/ 2421/Lumbe 2421, 2426/ 3273, 1442/ 3599/Machin 3535/Conve 3499/Bronze 3545/Custor ing 1994 1,792 513 31 740 799 798 3,191 743 4,041 127 2,798 107 85 525 16,291 31,579 376 28 -19 80 154 562 73 489	Cedar posts, ill Machine sho er sawing & p Sawmill, dim Ready-mixed ne shop; surf yor equipme e, stainless s m drill bits 1995 1,779 513 32 747 803 813 3,248 754 4,180 129 2,808 106 75 515 16,501 31,834 395 29 -20 83 164 593 78 516	fencing & c p, welding,s planing tension lumb d concrete, s face grinding nt teel & wood 2000 1,762 527 34 765 837 890 3,380 799 4,929 140 2,892 105 62 467 17,591 32,693 521 39 -26 110 234 799 104 696	urface grindi per and & gravel g & tooling sculptures Compilation and 2005 1,771 545 36 817 878 949 3,591 863 5,375 148 2,999 108 57 424 18,561 33,751 696 51 -35 149 340 1,100 1,100 140 959	2010 1,715 539 39 831 904 1,007 3,631 901 5,551 153 3,111 110 58 403 18,951 34,697 905 68 -46 194 472 1,458 184 1,274	LEMCOG, Gaylo 2015 1,602 523 40 824 917 1,052 3,584 904 5,665 155 3,154 112 57 383 18,973 35,226 1,141 98 -57 247 657 1,892 235 1,657	14 5 1 2 1 4 1 22 2 101 ord, MI 2020 1,482 508 42 806 918 1,080 3,537 899 5,852 157 3,098 113 56 364 18,913 35,347 1,429 149 -70 312 917 2,438 296 2,142	
Fair & Square Kubbe Machir Sommerfield Two-Q Wood Werner Sand Sine Tool Co. Via-Tech Corp Cranbrook Ltd Ossineke Indu Source: "1999 M <u>ALPENA COU</u> Dur Manf NonDur Mai Mining Constr Trans/PbUti Fin/Ins/RI Est Ret Trade WhIsI Trade Services Ag/For/Fish St/Loc Govern Fed Civil Gov Fed Mil Gov Fed Mil Gov Farm Total Population Income (Millio Tot Labr/Prop -SocInsTaxes +Res Adj +Div/Int/Rnt +TransPymnt Tot Pers Inc -PersIncTaxes Dis Pers Inc	 Pallet & Lune Shop Sawing & F & Metal With & Gravel C p. d. ustries ichigan Indust JNTY EMPI 1,852 499 30 732 785 743 2,884 700 3,486 112 2,688 110 98 557 15,276 30,800 ons of \$) 307 23 -15 73 123 465 59 407 eflator 120 	umber Planing orking bo. rrial Directory" <u>LOYMENT</u> 1992 1,813 505 30 718 786 757 2,951 707 3,684 118 2,729 110 98 546 1,554 30,989 335 24 -17 73 137 503 62	Hubbard Lk Hubbard Lk Hubbard Lk Hubbard Lk Hubbard Lk Lachine Lachine Ossineke Ossineke Harris Publish FORECAST 1993 1,780 507 31 729 789 772 3,030 507 31 729 789 772 3,030 507 31 729 789 772 3,030 512 42 2,772 108 93 536 15,865 31,259 352 26 -18 76 146 530 66	2499, 2426/ 2421/Sawm 3599, 7692/ 2421/Lumbe 2421, 2426/ 3273, 1442/ 3599/Machin 3535/Conve 3545/Custor ing 1994 1,792 513 31 740 799 798 3,191 743 4,041 127 2,798 3,191 743 4,041 127 2,798 107 85 525 16,291 31,579 376 28 -19 80 154 562 73	Cedar posts, ill Machine sho er sawing & p Sawmill, dim Ready-mixed ne shop; surf yor equipme e, stainless s m drill bits 1995 1,779 513 32 747 803 813 3,248 754 4,180 129 2,808 106 75 515 16,501 31,834 395 29 -20 83 164 593 78	fencing & c p, welding,s planing tension lumb d concrete, s face grinding nt teel & wood 2000 1,762 527 34 765 837 890 3,380 799 4,929 140 2,892 105 62 467 17,591 32,693 521 39 -26 110 234 799 104	urface grindi per and & gravel y & tooling sculptures Compilation and 2005 1,771 545 36 817 878 949 3,591 863 5,375 148 2,999 108 57 424 18,561 33,751 696 51 -35 149 340 1,100 1,40	additions by N 2010 1,715 539 39 831 904 1,007 3,631 901 5,551 153 3,111 110 58 403 18,951 34,697 905 68 -46 194 472 1,458 184	IEMCOG, Gaylo 2015 1,602 523 40 824 917 1,052 3,584 904 5,665 155 3,154 112 57 383 18,973 35,226 1,141 98 -57 247 657 1,892 235	14 5 1 2 1 4 1 22 2 101 0rd, MI 2020 1,482 508 42 806 918 1,482 508 42 806 918 1,482 508 42 806 918 1,482 508 42 806 918 1,080 3,537 899 5,852 157 3,098 113 56 364 18,913 35,347 1,429 149 -70 312 917 2,438 296	
Fair & Square Kubbe Machir Sommerfield Two-Q Wood Werner Sand Sine Tool Co. Via-Tech Corp Cranbrook Ltd Ossineke Indu Source: "1999 M <u>ALPENA COU</u> Dur Manf NonDur Mai Mining Constr Trans/PbUti Fin/Ins/RI Est Ret Trade WhISI Trade Services Ag/For/Fish St/Loc Govern Fed Civil Gov Fed Mil Gov Fed Mil Gov Fed Mil Gov Fed Mil Gov Farm Total Population Income (Millio Tot Labr/Prop -SocInsTaxes +Res Adj +Div/Int/Rnt +TransPymnt Tot Pers Inc -PersIncTaxes Dis Pers Inc Pers Cons De US '87 = 100 Labor & Prop Inc/Job	 Pallet & Lune Shop Sawing & F & Metal With & Gravel C p. d. ustries ichigan Indust JNTY EMPI 1,852 499 30 732 785 743 2,884 700 3,486 112 2,688 110 98 557 15,276 30,800 ons of \$) 307 23 -15 73 123 465 59 407 eflator 120 rietors \$20,097 	umber Planing orking bo. rial Directory" LOYMENT 1992 1,813 505 30 718 786 757 2,951 707 3,684 118 2,729 110 98 546 1,554 30,989 335 24 -17 73 137 503 62 441 123.868 \$21,538	Hubbard Lk Hubbard Lk Hubbard Lk Hubbard Lk Hubbard Lk Lachine Lachine Ossineke Ossineke Harris Publish FORECAST 1993 1,780 507 31 729 789 772 3,030 719 3,876 124 2,772 3,030 719 3,876 124 2,772 3,030 719 3,876 124 2,772 3,030 719 3,876 124 2,772 3,030 719 3,876 124 2,772 108 93 536 15,865 31,259 352 26 -18 76 146 530 66 464	2499, 2426/ 2421/Sawm 3599, 7692/ 2421/Lumbe 2421, 2426/ 3273, 1442/ 3599/Machin 3535/Conve 3499/Bronze 3545/Custor ing 1994 1,792 513 31 740 799 798 3,191 743 4,041 127 2,798 3,191 743 4,041 127 2,798 107 85 525 16,291 31,579 376 28 -19 80 154 562 73 489 130.413 \$23,080	Cedar posts, ill Machine shop r sawing & p Sawmill, dim Ready-mixed ne shop; surf yor equipme e, stainless s m drill bits 1995 1,779 513 32 747 803 813 3,248 754 4,180 129 2,808 106 75 515 16,501 31,834 395 29 -20 83 164 593 78 516 135.188 \$23,938	fencing & c p, welding,s planing tension lumb d concrete, s face grinding nt teel & wood 2000 1,762 527 34 765 837 890 3,380 799 4,929 140 2,892 105 62 467 17,591 32,693 521 39 -26 110 234 799 104 696 165.321 \$29,617	urface grindi per and & gravel g & tooling sculptures Compilation and 2005 1,771 545 36 817 878 949 3,591 863 5,375 148 2,999 108 57 424 18,561 33,751 696 51 -35 149 340 1,100 1,100 140 959 204.290 \$37,498	additions by N 2010 1,715 539 39 831 904 1,007 3,631 901 5,551 153 3,111 110 58 403 18,951 34,697 905 68 -46 194 472 1,458 184 1,274 248.767 \$47,755	EMCOG, Gaylo 2015 1,602 523 40 824 917 1,052 3,584 904 5,665 155 3,154 112 57 383 18,973 35,226 1,141 98 -57 247 657 1,892 235 1,657 298.431 \$60,138	14 5 1 2 1 4 1 22 2 101 ord, MI 222 2 101 1,482 508 42 806 918 1,482 508 42 806 918 1,080 3,537 899 5,852 157 3,098 113 56 364 18,913 35,347 1,429 149 -70 312 917 2,438 296 2,142 357.686 \$75,556	
Fair & Square Kubbe Machin Sommerfield Two-Q Wood Werner Sand Sine Tool Co. Via-Tech Corp Cranbrook Ltd Ossineke Indu Source: "1999 M ALPENA COU Dur Manf NonDur Mai Mining Constr Trans/PbUti Fin/Ins/RI Est Ret Trade WhISI Trade Services Ag/For/Fish St/Loc Govern Fed Civil Gov Fed Mil Gov Farm Total Population Income (Millio Tot Labr/Prop -SocInsTaxes +Res Adj +Div/Int/Rnt +TransPymnt Tot Pers Inc -PersIncTaxes Dis Pers Inc Pers Cons De US '87 =100 Labor & Prop Inc/Job Pers Inc/Cap Disp Pers Inc	 Pallet & Lune Shop Sawing & F & Metal With & Gravel C p. d. Ustries ichigan Indust JNTY EMPI 1,852 499 30 732 785 743 2,884 700 3,486 112 2,688 110 98 557 15,276 30,800 ons of \$) 307 23 -15 73 123 465 59 407 eflator 120 rietors \$20,097 \$15,097 	umber Planing orking bo. rial Directory" LOYMENT 1992 1,813 505 30 718 786 757 2,951 707 3,684 118 2,729 110 98 546 1,554 30,989 335 24 -17 73 137 503 62 441 123.868 \$21,538 \$16,232	Hubbard Lk Hubbard Lk Hubbard Lk Hubbard Lk Hubbard Lk Lachine Lachine Ossineke Ossineke Harris Publish FORECAST 1993 1,780 507 31 729 789 772 3,030 719 3,876 124 2,772 3,030 719 3,876 124 2,772 3,030 719 3,876 124 2,772 3,030 719 3,876 124 2,772 3,030 719 3,876 124 2,772 108 93 536 15,865 31,259 352 26 -18 76 146 530 66 464	2499, 2426/ 2421/Sawm 3599, 7692/ 2421/Lumbe 2421, 2426/ 3273, 1442/ 3599/Machin 3535/Conve 3545/Custor ing 1994 1,792 513 31 740 799 798 3,191 743 4,041 127 2,798 107 85 525 16,291 31,579 376 28 -19 80 154 562 73 489 130.413 \$23,080 \$17,814	Cedar posts, ill Machine shop r sawing & p Sawmill, dim Ready-mixed ne shop; surf yor equipme e, stainless s m drill bits 1995 1,779 513 32 747 803 813 3,248 754 4,180 129 2,808 106 75 515 16,501 31,834 395 29 -20 83 164 593 78 516 135.188 \$23,938 \$18,628	fencing & c p, welding,s planing tension lumb d concrete, s face grinding nt teel & wood 2000 1,762 527 34 765 837 890 3,380 799 4,929 140 2,892 105 62 467 17,591 32,693 521 39 -26 110 234 799 104 696 165.321 \$29,617 \$24,439	urface grindi per and & gravel (& tooling sculptures Compilation and 2005 1,771 545 36 817 878 949 3,591 863 5,375 148 2,999 108 57 424 18,561 33,751 696 51 -35 149 340 1,100 140 959 204,290 \$37,498 \$32,592	additions by N 2010 1,715 539 39 831 904 1,007 3,631 901 5,551 153 3,111 110 58 403 18,951 34,697 905 68 -46 194 472 1,458 184 1,274 248.767 \$47,755 \$42,021	IEMCOG, Gaylo 2015 1,602 523 40 824 917 1,052 3,584 904 5,665 155 3,154 112 57 383 18,973 35,226 1,141 98 -57 247 657 1,892 235 1,657 298.431 \$60,138 \$53,710	14 5 1 2 1 4 1 22 2 101 ord, MI 2020 1,482 508 42 806 918 1,080 3,537 899 5,852 157 3,098 113 56 364 18,913 35,347 1,429 149 -70 312 917 2,438 296 2,142 357.686 \$75,556 \$68,973	
Fair & Square Kubbe Machin Sommerfield Two-Q Wood Werner Sand Sine Tool Co. Via-Tech Corp Cranbrook Ltd Ossineke Indu Source: "1999 M ALPENA COU Dur Manf NonDur Mai Mining Constr Trans/PbUti Fin/Ins/RI Est Ret Trade WhIsI Trade Services Ag/For/Fish St/Loc Govern Fed Civil Gov Fed Mil Gov Farm Total Population Income (Millio Tot Labr/Prop -SocInsTaxes +Res Adj +Div/Int/Rnt +TransPymnt Tot Pers Inc -PersIncTaxes Dis Pers Inc US '87 =100 Labor & Prop Disp Pers Inc /Cap Labor & Prop	 Pallet & Lune Shop Sawing & F & Metal With & Gravel C p. d. Justries ichigan Indust JNTY EMPI 1,852 499 30 732 785 743 2,884 700 3,486 112 2,688 110 98 557 15,276 30,800 ons of \$) 307 23 -15 73 123 465 59 407 eflator 120 rietors \$20,097 \$13,214 Inc 	umber Planing orking bo. rrial Directory" LOYMENT 1992 1,813 505 30 718 786 757 2,951 707 3,684 118 2,729 110 98 546 1,554 30,989 335 24 -17 73 137 503 62 441 123.868 \$21,538 \$16,232 \$14,231	Hubbard Lk Hubbard Lk Hubbard Lk Hubbard Lk Hubbard Lk Lachine Lachine Ossineke Ossineke Harris Publish FORECAST 1993 1,780 507 31 729 789 772 3,030 719 3,876 124 2,772 3,030 719 3,876 124 2,772 3,030 719 3,876 124 2,772 3,030 719 3,876 124 2,772 3,030 719 3,876 124 2,772 3,030 719 3,876 124 2,772 3,030 719 3,876 124 2,772 108 93 536 15,865 31,259 352 26 -18 76 146 530 66 464 127.129 \$22,187 \$16,955 \$14,844	2499, 2426/ 2421/Sawm 3599, 7692/ 2421/Lumbe 2421, 2426/ 3273, 1442/ 3599/Machin 3535/Conve 3499/Bronze 3545/Custor ing 1994 1,792 513 31 740 799 798 3,191 743 4,041 127 2,798 107 85 525 16,291 31,579 376 28 -19 80 154 562 73 489 130.413 \$23,080 \$17,814 \$15,550	Cedar posts, ill Machine sho er sawing & p Sawmill, dim Ready-mixed ne shop; surf yor equipme e, stainless s m drill bits 1995 1,779 513 32 747 803 813 3,248 754 4,180 129 2,808 106 75 515 16,501 31,834 395 29 -20 83 164 593 78 516 135.188 \$23,938 \$18,628 \$16,209	fencing & c p, welding,s planing tension lumb d concrete, s face grinding nt teel & wood 2000 1,762 527 34 765 837 890 3,380 799 4,929 140 2,892 105 62 467 17,591 32,693 521 39 -26 110 234 799 104 696 165.321 \$29,617 \$24,439 \$21,289	urface grindi per and & gravel (& tooling sculptures Compilation and 2005 1,771 545 36 817 878 949 3,591 863 5,375 148 2,999 108 57 424 18,561 33,751 696 51 -35 149 340 1,100 1,40 959 204.290 \$37,498 \$32,592 \$28,414	2010 1,715 539 39 831 904 1,007 3,631 901 5,551 153 3,111 110 58 403 18,951 34,697 905 68 -46 194 472 1,458 184 1,274 248.767 \$47,755 \$42,021 \$36,718	EMCOG, Gaylo 2015 1,602 523 40 824 917 1,052 3,584 904 5,665 155 3,154 112 57 383 18,973 35,226 1,141 98 -57 247 657 1,892 235 1,657 298.431 \$60,138 \$53,710 \$47,039	14 5 1 2 1 4 1 22 2 101 ord, MI 222 2 101 0 1,482 508 42 806 918 1,080 3,537 899 5,852 157 3,098 113 56 364 18,913 35,347 1,429 149 -70 312 917 2,438 296 2,142 357.686 \$75,556 \$68,973 \$60,599	
Fair & Square Kubbe Machin Sommerfield Two-Q Wood Werner Sand Sine Tool Co. Via-Tech Corp Cranbrook Ltd Ossineke Indu Source: "1999 M ALPENA COU Dur Manf NonDur Mai Mining Constr Trans/PbUti Fin/Ins/RI Est Ret Trade WhIsI Trade Services Ag/For/Fish St/Loc Govern Fed Civil Gov Fed Mil Gov Farm Total Population Income (Millio Tot Labr/Prop -SocInsTaxes +Res Adj +Div/Int/Rnt +TransPymnt Tot Pers Inc -PersIncTaxes Dis Pers Inc US '87 =100 Labor & Prop Inc/Job Pers Inc/Cap Disp Pers Inc /Cap	 Pallet & Lune Shop Sawing & F & Metal Witk & Gravel C p. d. ustries ichigan Indust JNTY EMPI 1,852 499 30 732 785 743 2,884 700 3,486 112 2,688 110 98 557 15,276 30,800 ons of \$) 307 23 -15 73 123 465 59 407 	umber Planing orking bo. rial Directory" LOYMENT 1992 1,813 505 30 718 786 757 2,951 707 3,684 118 2,729 110 98 546 1,554 30,989 335 24 -17 73 30,989 335 24 -17 73 137 503 62 441 123.868 \$21,538 \$16,232 \$14,231 \$17,388	Hubbard Lk Hubbard Lk Hubbard Lk Hubbard Lk Hubbard Lk Lachine Lachine Ossineke Ossineke Ossineke Harris Publish FORECAST 1993 1,780 507 31 729 789 772 3,030 719 3,876 124 2,772 108 93 536 15,865 31,259 352 26 -18 76 146 530 66 464 127.129 \$22,187 \$16,955 \$114,844 \$17,453	2499, 2426/ 2421/Sawm 3599, 7692/ 2421/Lumbe 2421, 2426/ 3273, 1442/ 3599/Machin 3535/Conve 3499/Bronze 3545/Custor ing 1994 1,792 513 31 740 799 798 3,191 743 4,041 127 2,798 107 85 525 16,291 31,579 376 28 -19 80 154 562 73 489 130.413 \$23,080 \$17,814 \$15,550 \$17,698	Cedar posts, ill Machine shop r sawing & p Sawmill, dim Ready-mixed ne shop; surf yor equipme e, stainless s m drill bits 1995 1,779 513 32 747 803 813 3,248 754 4,180 129 2,808 106 75 515 16,501 31,834 395 29 -20 83 164 593 78 516 135.188 \$23,938 \$18,628 \$16,209 \$17,707	fencing & c p, welding,s planing tension lumb d concrete, s face grinding nt teel & wood 2000 1,762 527 34 765 837 890 3,380 799 4,929 140 2,892 105 62 467 17,591 32,693 521 39 -26 110 234 799 104 696 165.321 \$29,617 \$24,439	urface grindi per and & gravel (& tooling sculptures Compilation and 2005 1,771 545 36 817 878 949 3,591 863 5,375 148 2,999 108 57 424 18,561 33,751 696 51 -35 149 340 1,100 140 959 204.290 \$37,498 \$32,592 \$28,414 \$18,355	additions by N 2010 1,715 539 39 831 904 1,007 3,631 901 5,551 153 3,111 110 58 403 18,951 34,697 905 68 -46 194 472 1,458 184 1,274 248.767 \$47,755 \$42,021 \$36,718 \$19,197	IEMCOG, Gaylo 2015 1,602 523 40 824 917 1,052 3,584 904 5,665 155 3,154 112 57 383 18,973 35,226 1,141 98 -57 247 657 1,892 235 1,657 298.431 \$60,138 \$53,710	14 5 1 2 1 4 1 22 2 101 0rd, MI 2020 1,482 508 42 806 918 1,080 3,537 899 5,852 157 3,098 113 56 364 18,913 35,347 1,429 149 -70 312 917 2,438 296 2,142 357.686 \$75,556 \$68,973 \$60,599 \$21,124	
Fair & Square Kubbe Machin Sommerfield Two-Q Wood Werner Sand Sine Tool Co. Via-Tech Corp Cranbrook Ltd Ossineke Indu Source: "1999 M ALPENA COU Dur Man NonDur Mai Mining Constr Trans/PbUti Fin/Ins/RI Est Ret Trade WhIsI Trade Services Ag/For/Fish St/Loc Govern Fed Civil Gov Fed Mil Gov Farm Total Population Income (Millio Tot Labr/Prop -SocInsTaxes +Res Adj +Div/Int/Rnt +TransPymnt Tot Pers Inc -PersIncTaxes Dis Pers Inc US '87 =100 Labor & Prop Inc/Job Pers Inc/Cap Labor & Prop /Job \$87	 Pallet & Lune Shop Sawing & F & Metal Witk & Gravel C p. d. JSTries ichigan Indust JNTY EMPI 1,852 499 30 732 785 743 2,884 700 3,486 112 2,688 110 98 557 15,276 30,800 ons of \$) 307 23 -15 73 123 465 59 407 eflator 120 rietors \$20,097 \$13,214 Inc \$16,752 \$12,585 	umber Planing orking bo. rrial Directory" LOYMENT 1992 1,813 505 30 718 786 757 2,951 707 3,684 118 2,729 110 98 546 1,554 30,989 335 24 -17 73 137 503 62 441 123.868 \$21,538 \$16,232 \$14,231	Hubbard Lk Hubbard Lk Hubbard Lk Hubbard Lk Hubbard Lk Lachine Lachine Ossineke Ossineke Harris Publish FORECAST 1993 1,780 507 31 729 789 772 3,030 719 3,876 124 2,772 3,030 719 3,876 124 2,772 3,030 719 3,876 124 2,772 3,030 719 3,876 124 2,772 3,030 719 3,876 124 2,772 3,030 719 3,876 124 2,772 3,030 719 3,876 124 2,772 108 93 536 15,865 31,259 352 26 -18 76 146 530 66 464 127.129 \$22,187 \$16,955 \$14,844	2499, 2426/ 2421/Sawm 3599, 7692/ 2421/Lumbe 2421, 2426/ 3273, 1442/ 3599/Machin 3535/Conve 3499/Bronze 3545/Custor ing 1994 1,792 513 31 740 799 798 3,191 743 4,041 127 2,798 107 85 525 16,291 31,579 376 28 -19 80 154 562 73 489 130.413 \$23,080 \$17,814 \$15,550	Cedar posts, ill Machine sho er sawing & p Sawmill, dim Ready-mixed ne shop; surf yor equipme e, stainless s m drill bits 1995 1,779 513 32 747 803 813 3,248 754 4,180 129 2,808 106 75 515 16,501 31,834 395 29 -20 83 164 593 78 516 135.188 \$23,938 \$18,628 \$16,209	fencing & c p, welding,s planing tension lumb d concrete, s face grinding nt teel & wood 2000 1,762 527 34 765 837 890 3,380 799 4,929 140 2,892 105 62 467 17,591 32,693 521 39 -26 110 234 799 104 696 165.321 \$29,617 \$24,439 \$21,289	urface grindi per and & gravel (& tooling sculptures Compilation and 2005 1,771 545 36 817 878 949 3,591 863 5,375 148 2,999 108 57 424 18,561 33,751 696 51 -35 149 340 1,100 1,40 959 204.290 \$37,498 \$32,592 \$28,414	2010 1,715 539 39 831 904 1,007 3,631 901 5,551 153 3,111 110 58 403 18,951 34,697 905 68 -46 194 472 1,458 184 1,274 248.767 \$47,755 \$42,021 \$36,718	EMCOG, Gaylo 2015 1,602 523 40 824 917 1,052 3,584 904 5,665 155 3,154 112 57 383 18,973 35,226 1,141 98 -57 247 657 1,892 235 1,657 298.431 \$60,138 \$53,710 \$47,039	14 5 1 2 1 4 1 22 2 101 ord, MI 2020 1,482 508 42 806 918 1,080 3,537 899 5,852 157 3,098 113 56 364 18,913 35,347 1,429 149 -70 312 917 2,438 296 2,142 357.686 \$75,556 \$68,973 \$60,599	

Source: Regional Economic Models, Inc (REMI) by the Univ. of Mich. through the Michigan Dept. of Transportation (Sept. 30, 1994).

ALPENA COUNTY RETA		1982, 1987, ⁻	1992						
		Alpena Cour	-		Alpena			Balance of Co	-
	1982	1987	1,992	1982	1987	1,992	1982	1987	1,992
Estab (with payroll)	230	256	254	185	202	200	45	54	54
% Dif* Total Sales (\$1,000)	133,160	11.3% 187,632	0.8%- -0.8% -0.8%	92,692	9.2% 122,513	-1.0% 172,801	40,468	20.0% 65,119	0.0% 64,717
Sales Per Capita (\$)**	4168.28	5956.57	7661.87	92,092 7761.85	10794.10	15052.35	2023.00	3231.71	3315.42
Mich. Sales/Per Cap.**	4218.49	6136.07	7581.65	1101.00	107 54.10	10002.00	2020.00	0201.71	0010.42
Annual Payroll (\$1,000)	14,616	20,380	24,988	10,754	14,226	19,061	3,862	6,154	5,927
Pd Emplys wk inc 3/12	1,840	2,245	2,420	1,438	1,697	1,833	402	548	587
% Dif*	,	22.0%	7.8%	,	18.0%	8.0%	_	36.3%	7.1%
Build Mat/Garden (SIC 52	2)								
#	16	10	15	9	6	10	7	4	5
Sales (\$1,000)	6,867	12,158	19,195	4,680	(D)	(D)	2,187	(D)	(D)
Sales Per Cap**	214.96	385.97	619.19	391.89	N/A	N/A	109.33	N/A	N/A
Mich. Sales/Per Cap.**	192.60	344.60	429.63						
General Merch (SIC 53)									
#	6	8	6	4	7	3	2	1	3
Sales (\$1,000)	14,513	23,262	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Sales Per Cap**	454.30	738.48	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mich. Sales/Per Cap.**	540.57	870.24	1248.26						
Food Stores (SIC 54) #	22	24	20	00	04	45	10	40	40
# Sales (\$1,000)	33 34,903	34 40,576	28 51,053	23 25,719	21 24,923	15 24,843	10 9,184	13 15,653	13 26,210
Sales Per Cap**	1092.56	1288.13	1646.87	2153.66	2195.86	24,843	459.11	801.90	845.48
Mich. Sales/Per Cap.**	916.03	1073.77	1183.83	2100.00	2195.00	2104.02	455.11	001.90	040.40
Auto Dealers (SIC 55 w/c		10/0.//	1100.00						
#	18	15	14	12	10	11	6	5	3
 Sales (\$1,000)	21,756	30,964	34,300	(D)	(D)	(D)	(D)	(D)	(D)
Sales Per Cap**	681.02	982.98	1106.45	N/A	N/A	N/A	N/A	N/A	N/A
Mich. Sales/Per Cap.**	815.32	1464.71	1758.36						
Gas Service St. (SIC 554	.)								
#	17	24	17	13	17	11	4	7	6
Sales (\$1,000)	14,908	22,910	28,189	10,324	18,983	23,546	4,584	3,927	4,643
Sales Per Cap**	466.66	727.30	909.32	864.51	1672.51	2051.05	229.15	194.89	237.86
Mich. Sales/Per Cap.**	436.72	460.16	573.61						
Apparel Stores (SIC 56)					~ ~				
#	28	25	27	27	25	26	1	0	1
Sales (\$1,000)	9,316	8,095	16,405	(D)	8,095	(D)	(D)	0	(D)
Sales Per Cap**	291.62	256.98	529.19	N/A	713.22	N/A	N/A	0.00	N/A
Mich. Sales/Per Cap.** Furniture Stores (SIC 57)	243.74	317.83	374.66						
#	18	21	18	16	18	13	2	3	5
" Sales (\$1,000)	5,674	9,757	12,030	(D)	4,847	7,058	(D)	4,910	4,972
Sales Per Cap**	177.61	309.75	388.06	N/A	427.05	614.81	N/A	243.67	254.71
Mich. Sales/Per Cap.**	178.97	315.72	362.29						
Eat/Drink Places (SIC 58									
#	46	56	62	36	42	50	10	14	12
Sales (\$1,000)	9,808	14,873	20,402	8,787	12,602	17,852	1,021	2,271	2,550
Sales Per Cap**	307.02	472.16	658.13	735.81	1110.31	1555.05	51.04	112.70	130.64
Mich. Sales/Per Cap.**	411.89	600.23	737.14						
Drug Stores (SIC 591)									
#	7	11	7	7	10	6	0	1	1
Sales (\$1,000)	4,276	9,357	10,001	4,276	(D)	(D)	0	(D)	(D)
Sales Per Cap**	133.85	297.05	322.61	358.06	N/A	N/A	0.00	N/A	N/A
Mich. Sales/Per Cap.**	163.94	230.63	323.77						
Misc. Retail (SIC 59 w/o		50	~~	20	40	~~	0	~	~
# Sales (\$1,000)	41 11,139	52 15,680	60 (D)	38 (D)	46 (D)	55 18,551	3 (D)	6 (D)	5 (D)
Sales (\$1,000) Sales Per Cap**	348.68	497.78	(D) N/A	(D) N/A	(D) N/A	1615.94	(D) N/A	(D) N/A	(D) N/A
Mich. Sales/Per Cap.**	348.08 318.72	458.17	590.10	11/7	11/71	1010.04	11/7	1 11/7	11/7
* Figures show percentage diff			000.10						

* Figures show percentage difference from preceding Census year.

** Figures show sales per capita. Figures calculated using Census Bureau population estimates closest to subject year.

(D): Data withheld by the Census Bureau to avoid discolsing data for individual firms. N/A: Data to calculate figures are not available.

Source: Census of Retail Trade - 1982, 1987 & 1992 - US Census Bureau.

SALES AND USE TAX COLLECTIONS FOR TOURISM AND RECREATION BASED BUSINESS CATEGORIES 1986-1995* Total - Selected Business Categories*

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Alpena Co.	\$861,521	\$1,127,090	\$1,579,304	\$1,645,190	\$1,797,306	\$1,819,841	\$1,916,922	\$1,791,208	1,891,541	2,355,347
Mich (\$)	249,067,207	264,819,582	279,871,053	295,860,448	315,404,023	311,472,584	325,482,523	338,886,699	375,785,151	407,835,955

Source: "Sales and Use Tax Collections by Michigan County for Selected Business Categories", Daniel M Spotts

Travel, Tourism & Recreation Center - Michigan State University

Data provided by the Michigan Dept. of Treasury

Tourism & recreation based businesses include watercraft sales and service, taverns, and clubs, hotel dining rooms, family restaurants, fast food restaurants, sporting goods, hotel and motel sales tax and hotel and motel use tax.

Note: Data consist of the sales and use tax collected in Northeast Mich counties for the years indicated. Sales tax for the years 1986-1994 was a flat 4% on gross proceeds from retail sales of tangible personal property. In 1995 the sales tax went up to 6%. For the years 1986-1994, the use tax included a 4% tax levied on the sale of transient hotel or motel room rentals. went up to 6%.

Data Limitations: While tourism and recreation expenditures account for the majority of the sales in the businesses included in this table, they include an undetermined amount of sales to residents, as well. The sales and use tax owed by franchise corporations (e.g. Holiday Inns) are paid in a lump sum by the corporate headquarters. If franchise businesses do a significant share of the business in a given county, the sales and use tax data for that county underestimates the volume of this business activity. Businesses are classified by their principal business activity (e.g. hotel or restaurant). Many businesses, however, engage in a variety of sales activities. Thus the sales and use tax collections recorded under various classifications may not include the payments of all enterprises involved in some way in the type of business included in that category.

ALPENA COUNTY EDUCATIONAL ATTAINMENT PERSONS 25 YEARS AND OVER - 1990

Total	Ele	ementary-Hi	Schl 0-12 Y	′rs Hist	Sch Grad			
Persons	(no diploma)		Mich.	(ne	o college)	Mich.		
25 & >	#	%	%	#	%	%		
20,165	5,324	26.4	23.2%	7,166	35.5	32.3%		
So	me College		(College - Pro	fessional			
((no degree)	Mich.	Assoc or	Bach Dec	Mich.	Grad or P	of Degre	Mich.
#	%	%	#	%	%	#	%	%
3,857	19.1	20.4%	2,965	14.7	17.6%	853	4.2	6.4%
	% High School Gra				% Bac	helor's De	Mich.	
	or Higher		%		or Highe	r	%	
	73.6%		76.8%		11.4%		17.4%	

Source: U.S. Bureau of the Census

DISABILITY OF CIVILIAN NONINSTITUTIONALIZED PERSONS: COUNTY & STATE - 1990

	Alpe	na Co.	Mich.
	#	%	%
16-64 years: Total Persons	18,761		
With mobility or self-care limitation	2,121	11.3%	4.6%
Mobility limited	1,891	10.1%	2.3%
Self-care limited	499	2.7%	3.3%
With a work disability	1,904	10.1%	9.0%
In labor force	661	3.5%	3.4%
Prevented from working	1,017	5.4%	4.6%
65 years+	4,433		
With mobility or self-care limitation	1,570	35.4%	20.2%
Mobility limited	1,480	33.4%	15.8%
Self-care limited	457	10.3%	11.7%

Source: U S Bureau of the Census

				<u>F</u>	IOUSING				
ALPENA CO	UNTY HOUS	SING CHAR	ACTERISTIC	<u>S - 1980</u>					
Total		Occupi	ed Housing L	Inits			Vacano	cy Rate:*	
Units	Total	C	Owner	R	enter	Total	Seasonal	Owner	Renter
#	#	#	%	#	%	#	#	%	#
13,977	11,151	9,056	81.2%	2,095	18.8%	2,826	1,506	1.7%	11.5%
ALPENA CO	UNTY HOUS	SING CHAR	ACTERISTIC	<u>S - 1990</u>					
Total			Occupie	d Housing L	Jnits				
Units	Total	C	Dwner	Mich.	Re	enter	Mich.		
#	#	#	%	%	#	%	%		
14,431	11,838	9,251	78.1%	71.0%	2,587	21.9%	29.0%		
Vacant Hous	ing Units	Seasonal:	Seasonal:	C	ounty Vacan	cy Rate*			

Total	Seasonal	% of Co.	% of Mich.	Öwner	Renter
#	#	Total Units	Total Units	%	%
2,593	1,810	12.5%	5.8%	1.0%	6.6%

* Vacancy Rate includes only those housing units that are vacant and for sale or rent. Source: U.S. Bureau of the Census

ALPENA COUNTY HOUSING QUALITY INDICATORS - 1980

Yea	ar Round H	lousing Units			Occupied Housing Units						
Structure Built Lacking Complete						With 1.01 or > Owner Occu			ccupied		
	Before 1939 F		Plumbir	Plumbing Facility		Kitchen Facility		Persons Per Room		Mortgage < \$200/mo	
	#	%*	#	%*	#	%*	#	%**	#	%***	
	3,931	31.5%	396	3.2%	303	2.4%	327	2.9%	230	6.9%	

Renter	Occupied
Rent <	\$100/mo
#	%****
234	11.2%

ALPENA COUNTY HOUSING QUALITY INDICATORS - 1990

				Occupied Hou	sing Units			
	Structure Built		Lacking Complete				With 1.01 or >	
	Befor	e 1939	Plumbi	ng Facility	Kitchen	Facility	Persons Per Room	
	#	%****	#	%****	#	%*****	#	%**
County	3,488	24.2%	111	0.8%	75	0.5%	193	1.6%
Mich.		20.8%		0.8%		0.9%		2.6%

	Occupied Housing Units						
	Owner O	ccupied	Rente	r Occupied			
	Mortgage <	\$200/mo	Rent < \$100/mo				
	#	%***	#	%****			
County	170	4.9%	429	16.6%			
Mich.		0.2%		8.5%			

* % of year round housing units; ** % of occupied housing units; *** % of owner-occupied housing units with a mortgage; **** % of renter occupied housing units; ***** % of total housing units. Source: U.S. Bureau of the Census

ALPENA COUNTY VALUE OF UNITS - 1990		ALPENA COUNTY CONTRACT RENT - 1990	
Specified owner-occupied units	6,747	Specified renter-occ units paying cash rent	2,349
Less than \$50,000	4,445	Less than \$250	1,239
\$50,000-\$99,000	2,048	\$250-\$499	1,088
\$100,000-\$149,000	181	\$500-\$749	20
\$150,000-\$199,999	49	\$750-\$999	2
\$200,000-\$299,999	17	\$1,000+	0
\$300,000+	7	Median	\$245
Median	\$41,600	Mich. Median	\$343
Mich. Median	\$60,600		

Source: U S Bureau of the Census

Source: U.S. Bureau of the Census

GEOGRAPHY

ALPENA COUNTY: 1990 AREA MEASUREMENTS Total Area* Land Area Pop. Per Housing Units Per Sq. Miles Sq. Miles Sq. Miles Sq. Miles

Alpena Co.	1 695 1	574.2	53.3	25.1	
Alpena 00.	1,000.1	074.2	00.0	20.1	
Mich.	96,704.7	56 800 2	163.6	67.7	
IVIICIT.	90,704.7	50,009.Z	105.0	07.7	

Source: U.S. Bureau of the Census

* Includes inland, coastal, Great Lakes & territorial water.

ALPENA COUNTY STATE EQUALIZED VALUE BY CLASS: 1989 - 1998

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
Agricul.	40,645,100	41,156,900	41,778,862	41,987,018	47,562,977	48,908,241	49,899,260	51,304,220	53,861,400	57,097,000
Comm.	47,228,970	49,472,806	50,594,200	51,136,600	54,476,154	54,845,456	63,265,865	67,287,900	69,267,907	74,557,720
Indus.	11,937,800	11,588,673	11,600,600	11,836,600	12,218,194	11,827,823	12,506,300	13,036,300	13,916,723	16,741,200
Resident.	193,829,007	201,730,758	224,823,325	228,985,818	276,277,754	296,284,100	327,690,708	342,221,733	368,744,550	391,616,000
Timber	19,063,890	18,503,377	16,470,300	16,369,650	18,365,059	18,349,826	18,801,100	18,710,383	19,812,900	19,523,854
Develop.	N/C									
Pers.	36,122,353	37,746,289	39,803,452	40,356,512	42,751,284	44,472,161	48,641,825	55,975,013	68,209,002	79,380,149
TOTAL	348,827,120	360,198,803	385,070,739	390,672,198	451,651,422	474,687,607	520,805,058	548,535,549	593,812,482	638,915,923

"N/C": "No Class" - there are no properties in this class. Source: Michigan Department of Treasury - State Tax Commission

> This County Profile produced by: Northeast Michigan Council of Governments 121 E. Mitchell St. P.O. Box 457 Gaylord, MI 49735 (517) 732-3551 Periodic updates of this profile can be found at our web site: www.nemcog.org