

## APPENDIX A: DATA TABLES

### CHAPTER 1: DEMOGRAPHIC INDICATORS

Year	1960	1970	1980	1990	2000
<u>POPULATION</u>					
MONTANA STATE POPULATION	674,767	694,409	786,690	799,065	902,195
MISSOULA COUNTY POPULATION	44,663	58,263	76,016	78,687	95,802
MISSOULA COUNTY POPULATION AS % OF MONTANA STATE POPULATION	6.62	8.39	9.66	9.85	10.62
POPULATION DENSITY PERSONS PER SQ MILE, MISSOULA COUNTY	17.1	22.3	29.4	30.3	36.9
<u>ETHNIC DISTRIBUTION</u>					
White				75,707	90,073
Black/African American				175	261
American Indian or Alaskan Native				1,799	2,193
Asian				776	978
Native Hawaiian, Pacific Islander				18	80
Hispanic or Latino				1,014	1,543
Other				212	431
<u>EMPLOYMENT AND INCOME</u>					
TOTAL EMPLOYMENT FOR THE COUNTY OF MISSOULA		14,573	37,285	40,011	53,742
CIVILIAN UNEMPLOYMENT RATE (PERCENT)		7.2	10.7	7.2	6.2
# OF CIVILIANS UNEMPLOYED		1,049	3,989	2,881	3,332
COUNTY OF MISSOULA RANK IN STATE FOR PER CAPITA INCOME			4	8	7
<u>POVERTY</u>					
PERCENT OF MISSOULA COUNTY'S POPULATION BELOW POVERTY LINE		11.2	11.6	17	14.8
PERCENTAGE OF MISSOULA COUNTY'S FAMILIES BELOW POVERTY		8.6	7.5	12.4	8.8
Year			1979	1989	1999
<u>MEDIAN HOUSEHOLD INCOME FOR THE COUNTY OF MISSOULA</u>					
Not Adjusted for Inflation			16,269	23,388	34,454
Adjusted to 2002\$			40,269	33,944	37,207
<u>COUNTY OF MISSOULA PER CAPITA ANNUAL INCOME</u>					
Not Adjusted for Inflation			7,256	11,944	17,808
Adjusted to 2002\$			17,960	17,335	19,231

			YEAR	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
<u>AVERAGE MONTHLY NUMBER OF AFDC/TANF RECIPIENTS BY YEAR IN MISSOULA COUNTY</u>				852	698	669	682	709	820	947	977	994	1,032
1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	
1,000	1,149	1,193.9	1,229	1,202.8	1,152.1	890.4	632	463.4	389.4	454	522.8	530.1	

**CHAPTER 2: AGRICULTURAL RESOURCE BASE INDICATORS**

	Year	1950	1954	1959	1964	1969	1974	1978	1982	1987	1992	1997
<u>NUMBER OF OPERATORS IN MISSOULA COUNTY BY TENURE</u>												
Number of Full Owners		429	444	320	277	233	215	257	303	336	303	362
Number of Part Owners		107	123	145	114	76	80	104	111	107	117	100
Number of Tenants		55	65	42	37	18	15	24	29	30	30	20
<u>ACREAGE IN OPERATION IN MISSOULA COUNTY BY TENURE</u>												
Acres Owned by Full Owners		115,100	122,238	115,361	99,551	139,518	73,738	70,891	74,658	69,374		114,238
Acres Owned by Part Owners		138,288	167,170	184,100	212,387	127,899	121,638	134,665	103,884	108,120	113,229	61,538
Acres Operated by Tenants		27,425	32,789	20,212	21,399	72,067	66,648	77,262	77,671	75,604		86,643
<u>AVERAGE AGE OF OPERATORS IN MISSOULA COUNTY</u>												
					50.9	53.4	51.8	50	49.2	52.8	54.8	56.1
<u>NUMBER OF OPERATORS OF COLOR IN MISSOULA COUNTY</u>												
							2		4	6	7	5
<u>NUMBER OF FARMS BY ACREAGE CLASS SIZE FOR MISSOULA COUNTY</u>												
1 to 9 Acres		118	153	45	16	32	29	31	54	59	57	79
10 to 49 Acres		95	89	88	77	57	77	111	160	173	155	177
50 to 69 Acres		17	20	12	12	13	10	19	29	28	28	34
70 to 99 Acres		26	32	24	19	17	22	25	24	30	27	24
100 to 139 Acres		26	33	33	37	25	24	17	27	23	25	22
140 to 179 Acres		55	45	52	48	22	12	29	25	20	31	19
180 to 219 Acres		24	26	28	16	7	12	21	14	19	16	19
220 to 259 Acres		31	26	14	16	11	12	6	16	11	8	7
260 to 499 Acres		73	71	64	63	42	30	46	31	37	24	34
500 to 999 Acres		69	71	70	50	41	39	27	21	37	44	22
1000 to 1,999 Acres		60*	76*	79	36	30	17	24	19	17	14	20
2,000 or more Acres					41	30	26	29	23	19	21	25

	Year	1950	1954	1959	1964	1969	1974	1978	1982	1987	1992	1997
<b>MISSOULA COUNTY FARM SIZE DISTRIBUTION BY NUMBER OF ACRES</b>												
1 to 9 Acres		118	153	45	16	32	29	31	54	59	57	79
10 to 49 Acres		95	89	88	77	57	77	111	160	173	155	177
50 to 99 Acres		43	52	36	31	30	32	44	53	58	55	58
100 to 499 Acres		209	201	191	180	107	90	119	113	110	104	101
500 to 999 Acres		69	71	70	50	41	39	27	21	37	44	22
1000 + Acres		60	76	79	77	60	43	53	42	36	35	45
<b>MONTANA STATE FARM SIZE DISTRIBUTION BY NUMBER OF ACRES</b>												
1 to 9		1,236	1,455	675	704	1,283	1,177	1,359	1,551	1,940	1,209	898
10 to 49		2,225	1,893	1,690	1,641	1,485	1,550	2,148	2,673	2,745	2,804	3,570
50 to 69		502	483	397	385	386	394	526	563	554	628	813
70 to 99		1,503	1,209	956	897	771	731	896	806	818	818	946
100 to 139		1,256	1,106	889	758	627	694	711	724	718	745	852
140 to 179		2,399	2,002	1,562	1,353	1,007	888	1,041	987	929	870	964
180 to 219		957	879	717	640	545	496	497	504	525	567	570
220 to 259		968	842	690	626	552	507	623	452	481	400	494
260 to 499		4,785	4,231	3,531	3,130	2,660	2,433	2,437	2,141	2,309	1,997	2,308
500 to 999		6,200	5,553	4,671	3,954	3,339	2,990	2,950	2,640	2,737	2,521	2,675
1,000 to 1,999		13,054*	13,408*	13,181*	5,101	4,700	4,053	4,139	3,345	3,460	3,040	3,127
2,000 or more					7,184	7,142	7,411	7,596	7,831	7,352	7,222	7,062
<b>FARM SIZE DISTRIBUTION FOR THE STATE OF MONTANA BY NUMBER OF ACRES</b>												
1 to 9 Acres		1,236	1,455	675	704	1,283	1,177	1,359	1,551	1,940	1,209	898
10 to 49 Acres		2,225	1,893	1,690	1,641	1,485	1,550	2,148	2,673	2,745	2,804	3,570
50 to 99 Acres		2,005	1,692	1,353	1,282	1,157	1,125	1,422	1,369	1,372	1,446	1,759
100 to 499 Acres		10,365	9,060	7,389	6,507	5,391	5,018	5,309	4,808	4,962	4,579	5,188
500 to 999 Acres		6,200	5,553	4,671	3,954	3,339	2,990	2,950	2,640	2,737	2,521	2,675
1000 + Acres		13,054	13,408	13,181	12,932	12,296	11,464	11,281	10,529	10,812	10,262	10,189
<b>AVERAGE FARM SIZE IN MISSOULA COUNTY BY ACRE</b>												
		481.9	618.3	733.5	902.9	1,038	845	735	565	535	552	544
<b>AVERAGE FARM SIZE IN MONTANA BY ACRE</b>												
		1,688.70	1,859.30	2,212.80	2,436.50	2,522	2,665	2,618	2,568	2,451	2,613	2,414

Year	1950	1954	1959	1964	1969	1974	1978	1982	1987	1992	1997
PERCENT OF MONTANA'S FARM ACREAGE LOCATED IN MISSOULA COUNTY	0.48%	0.65%	0.58%	0.59%	0.54%	0.42%	0.46%	0.41%	0.42%	0.42%	0.45%
ACRES IN FARMING IN MISSOULA COUNTY	286,233	396,979	373,333	389,132	339,484	262,024	282,808	250,213	253,098	248,215	262,419
ACRES IN FARMING IN MONTANA	59,247,434	61,468,903	64,081,391	65,833,760	62,918,247	62,158,351	62,269,824	60,539,209	60,203,993	59,642,536	58,607,778
NUMBER OF FARMS IN MISSOULA COUNTY	594	642	509	431	327	310	385	443	473	450	482
NUMBER OF FARMS IN MONTANA	35,085	33,061	28,959	27,020	24,951	23,324	24,469	23,570	24,568	22,821	24,279

**CHAPTER 3: AGRICULTURE-RELATED ENVIRONMENTAL INDICATORS**

YEAR	1974	1978	1982	1987	1992	1997
NUMBER OF FARMS REPORTING TOTAL FARM PRODUCTION EXPENSES IN MISSOULA COUNTY	309			472	450	481
TOTAL FARM PRODUCTION EXPENSES FOR MISSOULA COUNTY	\$4,897,000			\$6,394,000	\$6,984,000	\$9,221,000
<b>FARM EXPENDITURES ON PETROLEUM, CHEMICALS AND FERTILIZERS</b>						
Number of Farms Reporting Expenditures on Petroleum, Fertilizer and Chemicals	162	210	230	252	239	307
Number of Farms Reporting Petroleum Products	300	387	443	395	384	472
Number of Farms Reporting Chemical Expenditures	64	95	102	171	167	222
Number of Farms Using Fertilizer	122	149	144	191	167	228
Petroleum Expenditures (Adjusted for Inflation)	\$678,861	\$707,160	\$423,017	\$557,881	\$585,500	\$630,654
Chemical Expenditures (Adjusted for Inflation)	\$47,304	\$89,474	\$96,564	\$199,020	\$132,396	\$188,466
Commercial Fertilizer Expenditures (Adjusted for Inflation)	\$207,570	\$257,895	\$127,674	\$242,105	\$269,010	\$449,780
Petroleum Expenditures (Not Adjusted for Inflation)	\$289,000	\$426,000	\$623,000	\$456,000	\$500,000	\$534,000
Chemical Expenditures (Not Adjusted for Inflation)	\$18,000	\$49,000	\$78,000	\$155,000	\$118,000	\$202,000
Commercial Fertilizer Expenditures (Not Adjusted for Inflation)	\$102,000	\$165,000	\$123,000	\$205,000	\$245,000	\$523,000
Sum of Expenditures on Petroleum, Chemicals, and Fertilizers (Not Adjusted for Inflation)	\$409,000	\$640,000	\$824,000	\$816,000	\$863,000	\$1,259,000
Total Farm Expenditures (Not Adjusted for Inflation)	\$4,897,000			\$6,394,000	\$6,984,000	\$9,221,000
Percent of Total Expenditures Spent on Petroleum, Chemicals and Fertilizers	8.30%			12.70%	12.30%	13.60%

	YEAR	1978	1982	1987	1992	1997
NUMBER OF IRRIGATED FARMS IN MISSOULA COUNTY		279	270	309	285	273
NUMBER OF IRRIGATED ACRES IN MISSOULA COUNTY		25,760	19,748	18,941	22,161	22,291

**CHAPTER 4: ECONOMIC PRODUCTIVITY INDICATORS FOR AGRICULTURE AND FOOD DISTRIBUTION**

	YEAR	1956	1959	1965	1970	1977	1982	1987	1992	1995	1997	2001
NUMBER OF FOOD MANUFACTURERS IN MISSOULA COUNTY		15	16	13	10	8	11	6	9	10	11	9
NUMBER OF FOOD WHOLESALERS IN MISSOULA COUNTY		7	11	12	10	19	15	19	12	13	15	16
NUMBER OF FOOD RETAILERS IN MISSOULA COUNTY		35	33	28	29	57	58	67	60	54		52
NUMBER OF FOOD SERVERS IN MISSOULA COUNTY (INCLUDING RESTAURANTS)		76	77	94	84	146	152	194	217	249	258	264

MARKET VALUE OF AGRICULTURE PRODUCTS SOLD

YEAR	STATE TOTAL (\$)	ADJUSTED STATE TOTAL (\$)	COUNTY TOTAL (\$)	ADJUSTED COUNTY TOTAL (\$)	PRODUCER PRICE INDEX (used as multiplier to adjust for inflation into 2002 Dollars)
1982	1,033,239,000	1,321,512,681	4,826,000	6,172,454	1.279
1987	1,177,454,000	1,329,345,566	6,008,000	6,783,032	1.129
1992	1,547,160,000	1,531,688,400	5,584,000	5,528,160	0.99
1995	1,547,286,000	1,604,535,582	6,127,000	6,353,699	1.037
1997	1,730,237,000	1,654,106,572	7,743,000	7,402,308	0.956
2001	1,870,732,000	1,640,631,964	8,022,000	7,035,294	0.877

	YEAR	1978	1982	1987	1992	1997
GROSS RECEIPTS FROM DIRECT MARKETING; ALL TYPES, ALL FARMS, IN MISSOULA COUNTY (Adjusted to 2002 Dollars)		\$87,010	\$122,760	\$99,840	\$89,864	\$78,053
NUMBER OF FARMS ENGAGED IN DIRECT MARKETING IN MISSOULA COUNTY		42	66	46	42	33

YEAR	1977	1982	1987	1992	1997
FOOD SERVER SALES (EATING AND DRINKING PLACES) (in \$1000) (Adjusted to 2002 Dollars)	85,831	79,627	88,908	103,588	125,740
FOOD STORES (RETAIL SALES IN \$1000) (Adjusted to 2002 Dollars)	172,430	164,498	168,231	185,899	164,215

**CHAPTER 5: FARM AND FOOD DISTRIBUTION EMPLOYMENT INDICATORS**

	YEAR	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
TOTAL EMPLOYMENT, MISSOULA COUNTY (NUMBER OF EMPLOYEES)		20,164							23,706		
			1987	1988	1989	1990	1991	1992	1993	1994	1995
			25,534	26,294	27,304	28,716	29,357	31,501	32,097	32,330	34,242

	YEAR	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
TOTAL FOOD DISTRIBUTION SYSTEM EMPLOYMENT IN MISSOULA COUNTY		2,392							3,391		
			1987	1988	1989	1990	1991	1992	1993	1994	1995
				3,816	3,959	4,099	3,876	4,087	4,243	4,434	4,662

	YEAR	1977	1984	1988	1989	1990	1991	1992	1993	1994	1995
% OF TOTAL COUNTY EMPLOYMENT WORKING IN THE FOOD DISTRIBUTION SYSTEM		11.8%	14.3%	14.5%	14.5%	14.3%	13.2%	12.9%	13.2%	13.7%	13.6%

												<u>RATE OF CHANGE IN NUMBER OF JOBS, 1988-1995</u>
NUMBER OF JOBS IN FOOD & KINDRED PRODUCTS		336	293	208	231	179	191	191	183	157	182	12% Decrease
NUMBER OF JOBS IN WHOLESALE GROCERY & RELATED		253	186	196	224	200	205	161	129	137	144	26% Decrease
NUMBER OF JOBS IN RETAIL FOOD & GROCERY		681	764	882	956	1,006	1,087	1,221	1,132	1,205	1,192	35% Increase
NUMBER OF JOBS IN EATING PLACES		1,122	2,148	2,530	2,548	2,714	2,393	2,514	2,799	2,935	3,144	24% Increase

	YEAR	1974	1978	1982	1987	1992	1997
FARMING PRINCIPAL OCCUPATION OF OPERATORS IN MISSOULA CO		145	140	152	167	182	171
OTHER PRINCIPAL OCCUPATION		153	245	291	306	268	311

FOR OPERATORS IN MISSOULA  
CO.

TOTAL NUMBER OF OPERATORS IN MISSOULA CO	298	385	443	473	450	482
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PERCENT OF OPERATORS WHOSE PRINCIPAL OCCUPATION IS FARMING IN MISSOULA CO.	49%	36%	34%	35%	40%	35%
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NUMBER OF FARM WORKERS IN MISSOULA COUNTY		123	75		113	166
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**CHAPTER 6: FOOD CONSUMPTION INDICATORS \***

YEAR	1972	1977	1982	1987	1992	1997
<b>TOTAL FOOD EXPENDITURES</b>						
Total Food Expenditures (TFX), County	210,394,111	258,261,120	244,124,995	257,139,452	289,487,170	289,955,150
TFXC derived from National Average	167,058,984	230,748,823		229,490,723	237,100,148	254,930,223
Total County Earnings (TCE)	1,090,081,800	1,439,504,400	1,437,235,000	1,647,469,000	1,893,073,000	2,191,947,300
TFXC as % TCE	19.25%	17.94%	16.99%	15.61%	15.29%	15.82%
TFX National	566,478,448,276	715,774,480,712		714,141,522,979	723,737,917,948	732,854,554,810
NATIONAL POPULATION (ESTIMATES)	209,896,021	220,239,425	231,664,458	242,288,918	255,029,699	267,783,607
<b>PER CAPITA FOOD EXPENDITURES (PCFI)</b>						
COUNTY POPULATION (ESTIMATES)	61,900	71,000	75,242	77,680	83,549	93,151
COUNTY PER CAPITA INCOME (PCI)	17,603	20,281	19,100	21,209	22,658	23,531
PCFX, NATIONAL AVERAGE	2,699	3,249		2,947	2,839	2,737
PCFX, COUNTY	3,388	3,638	3,246	3,311	3,465	3,721
PCFX, C DEVIATION FROM NATIONAL AVERAGE	689	389		364	626	984
PCFX as % PCI	19.25%	17.94%	16.99%	15.61%	15.29%	15.82%
<b>\$ SPENT ON FOOD, HOME VS. AWAY</b>						
FOOD RETAILERS' GROSS RECEIPTS, County	151,176,720	172,430,260	164,498,130	168,231,370	185,898,710	164,215,240
FOOD SERVERS' GROSS RECEIPTS, County	59,217,391	85,830,860	79,626,865	88,908,082	103,588,460	125,739,910
\$ SPENT ON FOOD AT HOME in County derived from National Average	122,507,549	151,086,450		153,367,341	155,065,764	156,678,801
\$ SPENT ON FOOD AWAY in County derived from National Average	44,551,435	79,623,373		75,592,835	82,034,384	98,251,422
RATIO FOOD CONSUMED Home vs. Away, County	2.55	2	2.07	1.89	1.79	1.31
RATIO FOOD CONSUMED Home vs. Away, derived from National Average	2.75	1.9		2.03	1.89	1.59

\*All figures adjusted to 2002 \$

**CHAPTER 7: FOOD SECURITY AND ACCESS INDICATORS**

	YEAR	1997	1998	1999	2000	2001	2002
NUMBER OF FOOD BOXES DISTRIBUTED BY THE SALVATION ARMY		1,636	3,248	3,601	2,871	2,253	1,879
NUMBER OF EMERGENCY BOXES OF FOOD DISTRIBUTED BY THE POVERELLO FOOD PANTRY		1,247	1,415	1,435	1,466	1,468	2,016
AVERAGE MEALS PER DAY SERVED AT THE POVERELLO CENTER		198	213	232	259	309	299
POUNDS OF FOOD DISTRIBUTED BY THE SEELEY - SWAN FOOD PANTRY				12,327	17,389	23,429	17,894
NUMBER OF FOOD BOXES DISTRIBUTED BY THE SEELEY - SWAN FOOD PANTRY				465	637	756	825

	YEAR	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
TOTAL NUMBER OF MEALS SERVED AT THE JOSEPH RESIDENCE		16,227	22,797	22,911	22,242	18,171	23,460	21,170	21,170	21,535	20,805

	2001	2002
	28,105	21,170

	YEAR	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
TOTAL NUMBER OF ANNUAL VISITS TO THE MISSOULA FOOD BANK (Duplicated)		7,000	10,575	15,825	18,709	20,511	22,068	25,094	30,839	26,076	24,243

	1995	1996	1997	1998	1999	2000	2001	2002
	24,968	26,289	27,808	26,330	26,901	27,446	30,763	31,287

	FISCAL YEAR												
	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990			
NUMBER OF FOOD STAMP RECIPIENTS (MONTHLY AVERAGE) FOR MISSOULA COUNTY	5,907	5,840	6,639	6,485	6,498	6,266	5,800	5,695	5,590	5,551			
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
	5,714	6,571	7,213	7,317	7,396	7,541	7,167	6,154	5,737	5,820	6,305	6,586	7,144

	FISCAL YEAR			
	1999	2000	2001	2002
MONTHLY YEAR AVERAGE IN WIC PARTICIPANTS FOR MISSOULA COUNTY	2,408	2,384	2,343	2,533

	YEAR						
	1997	1998	1999	2000	2001	2002	2003
FREE AND REDUCED SCHOOL LUNCH PROGRAM ENROLLMENT AND ELIGIBILITY IN MISSOULA COUNTY							
Enrollment Eligibility Count			13,140	13,107	12,882	13,164	
Program Participation Count			4,010	4,009	4,017	4,083	
POUNDS OF FOOD HARVESTED THROUGH THE VOLUNTEER FOR VEGGIES PROGRAM ADMINISTERED BY GARDEN CITY HARVEST	4,620	1,944	3,278	5,300	7,888		
POUNDS OF FOOD HARVESTED BY GARDEN CITY HARVEST IN MISSOULA COUNTY	10,950	6,322	3,711	5,500	4,753		
NUMBER OF COMMUNITY GARDENS ADMINISTERED BY GARDEN CITY HARVEST MISSOULA COUNTY	3	3	3	3	3	2	3
\$ AMOUNT AWARDED BY USDA AND STATE FOR FARMERS MARKET NUTRITION PROGRAM						30,000	15,000

