

Common Sense Initiative, Automobile Manufacturing Sector

*U.S. Automobile Assembly Plants and Their Communities:
Environmental Economic, and Demographic Profile*

**Part III: Automobile/Light Duty Truck Assembly
Plant-Community Profiles**

**26. General Motors
Lansing (C), MI**

December 1997

Contents and Guidelines for Use

Users of this profile should carefully review the description of methods, data limitations, and guidelines for use and interpretation of the data presented in Part I of the report.

Contents:

Plant Locations (National and Michigan maps)
Plant Location, Database Identification Numbers, 1994 Production and Employment
1991 and 1993 RCRA Biennial Report Summary
1991-1994 TRI Releases and Transfers Summary
1994 TRI Releases and Transfers by Chemical
1991-1994 Volatile Organic Compound and Nitrogen Oxide Emissions
1994 Summary of TRI Chemical Releases and Transfers from Sources within 3 Miles of Assembly Plant
Air Quality Attainment Status for Criteria Pollutants (as of 1994)
Community Demographic and Economic Characteristics
Facility Location (map)
Area Wide 1994 TRI Emission Profile (map)
1994 TRI Releases and Transfers from Sources within 3 Miles of Assembly Plant, by Chemical Demographic Characteristics (maps)

General Guidelines for Use

Efforts have been made to ensure that the data presented here are accurate. The Project Team could not independently verify data accuracy in all cases, however, and some errors may remain. The following is a partial list of factors that should be considered in using these profiles:

1. Current releases presented in this report represent only some of the contamination sources in a given area. Data on historical releases (prior to 1991) were not included, and releases from non-assembly plant emission sources were identified only through the Toxics Release Inventory (TRI). TRI data do not cover all sources of releases. Considering only TRI data for a given community may mis-state the relative contribution of plants and their neighboring TRI facilities to an area's total releases.
2. Care must be taken to distinguish true changes over time in environmental releases from apparent changes, due, for example, to changes in the scope of reporting requirements.
3. TRI data are often based on engineering estimates and are reported on an annual basis. Data on releases over shorter time frames are not available.
4. TRI, the Biennial Report and other databases do not include all substances and environmental releases of concern.

Notes on Comparisons Across Facilities

1. The following factors can affect an assembly plant's environmental profile, among other things: the number of vehicles produced, plant age, process equipment age, and vehicle size and configuration.
2. Some plants are highly-integrated, performing some parts and all assembly steps in-house. Others obtain parts from other manufacturing facilities, or share assembly operations with another plant.
3. States differ in how they define hazardous waste and how they treat recycled wastes and small quantity generators. Therefore, data on quantities of BRS wastes generated may not be comparable for plants located in different states.
4. Area-wide averages for economic and demographic characteristics may be better or worse measures of the plant's immediate community, depending on the specific location of a plant within the reporting area.

Plant-Community Profile: General Motors Lansing MI

12/2/97

LOCATION	Address Lat/Long: County: Other counties within 3 miles of plant:	920 Townsend, Lansing MI 48921 latitude (degrees N) 42 44' 15" longitude (degrees W) 84 34' 38" Ingham MSA: Lansing-East Lansing MI Clinton, Eaton	DESCRIPTION	Produced Olds Achieva, Pontiac Grand Am and Buick Skylark in 1994. Vehicles produced at this plant also undergo some assembly operations at the Lansing N. Verlinden Ave. plant.
OPERATIONS	Production	Employment	ID NUMBERS	RCRA ID MID005356894 AIRS ID AFS2606500023 NPDES ID - TRI 48921BCLNS920TO
Calendar Year: 1991 1992 1993 1994	240,511 398,894 348,496 419,047	7,790		

PLANT ENVIRONMENTAL PROFILE

RCRA BIENNIAL REPORT

Waste Code(s)	Wastewater?	Physical Form	Source	Mgd. On/Off-Site	Management Method	Quantity Generated (tons)	Quantity Shipped (tons)	Quantity Mgd. On-Site (tons)
1991								
F001, D001, D006, D007, D008		N	B203 org. liquid	A04 flush rinsing	Off	M061 fuel blending	38.0	38.0
D001		N	B210 org. liquid	A99 other processes	Off	M061 fuel blending	4.0	3.6
D001, D018		N	B211 org. liquid	A56 1x/intermittent	Off	M061 fuel blending	66.0	66.0
D001, D018		N	B211 org. liquid	A57 1x/intermittent	Off	M061 fuel blending	2.3	2.3
F002, F003		N	B203 org. liquid	A59 1x/intermittent	Off	M061 fuel blending	0.0	0.0
F005		N	B207 org. liquid	A59 1x/intermittent	Off	M061 fuel blending	53.6	53.6
F003, F005		N	B203 org. liquid	A21 painting	Off	M061 fuel blending	24.8	24.8
F002, F003, F005, D001, D035		N	B203 org. liquid	A59 1x/intermittent	Off	M061 fuel blending	0.0	0.0
F003, F005, D001, D018		N	B203 org. liquid	A59 1x/intermittent	Off	M061 fuel blending	0.0	0.0
F003, F005		N	B409 org. solids	A21 painting	Off	M061 fuel blending	1.9	1.8
F003, F005, D001, D007, D008, D009		N	B203 org. liquid	A21 painting	Off	M061 fuel blending	0.5	0.5
F001, D001		N	B207 org. liquid	A09 cleaning	Off	M061 fuel blending	0.0	0.0
F001, D001, D006		N	B204 org. liquid	A59 1x/intermittent	Off	M061 fuel blending	0.0	0.0
F003, F005, D001, D007		N	B203 org. liquid	A21 painting	Off	M061 fuel blending	10.6	10.6
D001		N	B210 org. liquid	A99 other processes	Off	M061 fuel blending	6.3	6.1
F003, F005, F002, D001, D007, D008		N	B203 org. liquid	A21 painting	Off	M061 fuel blending	94.8	94.8
F001, F003, F005, D005		N	B205 org. liquid	A05 dip rinsing	Off	M061 fuel blending	0.2	0.2
D001, D007		N	B209 org. liquid	A21 painting	Off	M061 fuel blending	33.4	27.6
D001, D035		N	B209 org. liquid	A59 1x/intermittent	Off	M061 fuel blending	8.3	8.3
F003, F005, D001		N	B203 org. liquid	A59 1x/intermittent	Off	M061 fuel blending	0.0	0.0
D008		N	B302 inorg. solids	A65 UST cleanup	Off	M111 stabilization	493.9	493.9
F001, F003, F005, D008		N	B301 inorg. solids	A65 UST cleanup	Off	M111 stabilization	0.0	0.0
D008		N	B319 inorg. solids	A29 surface prep.	Off	M111 stabilization	9.8	9.8
D002	Y	B110 inorg. liquid	A59 1x/intermittent	Off	M111 stabilization	0.0	0.0	
D001		N	B214 org. liquid	A59 1x/intermittent	Off	M111 stabilization	0.0	0.0
D001, D018	Y	B119 inorg. liquid	A56 1x/intermittent	Off	M125 other treat.	208.1	208.1	
F005, U240, D001, D002, D009	N	B001 lab packs	A59 1x/intermittent	Off	M041 incineration	4.7	4.7	
TOTAL - 1991						1,061.3	1,054.9	0.0

Plant-Community Profile:
General Motors
Lansing MI

12/16/97

PLANT ENVIRONMENTAL PROFILE (continued)

RCRA BIENNIAL REPORT (continued)

Waste Code(s)	Wastewater?	Physical Form	Source	Mgd. On/Off-Site	Management Method	Quantity Generated (tons)	Quantity Shipped (tons)	Quantity Mgd. On-Site (tons)
1993								
D001 (ignitable)	N	B003 lab packs	A58 1x/intermittent	Off	M049 incineration	0.4	0.4	0.0
D001 (ignitable)	N	B210 org. liquid	A59 1x/intermittent	Off	M061 fuel blending	0.0	1.2	0.0
D001 (ignitable)	N	B211org. liquid	A04 flush rinsing	Off	M141 transfer facil.	17.7	17.7	0.0
D001 (ignitable)	N	B211org. liquid	A58 1x/intermittent	Off	M061 fuel blending	0.0	0.3	0.0
D001(ignitable) D018 (benzene)	Y	B101 inorg liquid	A57 1x/intermittent	Off	M061 fuel blending	4.7	4.7	0.0
D001(ignitable) D018 (benzene)	Y	B101 inorg liquid	A59 1x/intermittent	Off	M125 other treat.	10.8	10.8	0.0
D001(ignitable) D018 (benzene)	Y	B101 inorg liquid	A93 equip close	Off	M125 other treat.	3.9	3.9	0.0
D001(ignitable) D018 (benzene)	N	B211org. liquid	A21 painting	Off	M061 fuel blending	15.2	15.2	0.0
D001(ignitable) D018 (benzene)	N	B319 inorg solids	A53 1x/intermittent	Off	M049 incineration	0.0	0.3	0.0
D001, F003, F005, D011	N	B211org. liquid	A37 process liq. remov.	Off	M125 other treat.	0.0	0.2	0.0
D001, F003, F005, D007	Y	B101 inorg liquid	A19 other clean/degr.	Off	M125 other treat.	0.0	0.4	0.0
D001, D002, U080	N	B003 lab packs	A58 1x/intermittent	Off	M129 other treat.	0.2	0.2	0.0
D001, D005, D007	N	B211org. liquid	A21 painting	Off	M029 solvents recov.	17.6	17.6	0.0
D001, D018, D035	N	B211org. liquid	A21 painting	Off	M061 fuel blending	138.5	138.5	0.0
D002 (corrosive)	N	B001 lab packs	A58 1x/intermittent	Off	M049 incineration	0.6	0.6	0.0
D002 (corrosive) F005 (solvents)	Y	B101 inorg liquid	A37 process liq. remov.	Off	M049 incineration	0.0	0.5	0.0
D002, D003, P106	N	B313 inorg solids	A58 1x/intermittent	Off	M079 aq. inorg. trt.	0.0	0.3	0.0
D002, D007	N	B409 org. solids	A58 1x/intermittent	Off	M049 incineration	0.0	0.4	0.0
D008 (lead)	N	B319 inorg. solids	A29 other surface prep	Off	M132 landfill	6.9	5.2	0.0
F001, D001, D039	N	B204 org. liquid	A04 flush rinsing	Off	M029 solvents recov.	20.2	20.2	0.0
F001, D001, D039	N	B204 org. liquid	A04 flush rinsing	Off	M061 fuel blending	7.2	7.2	0.0
F001, F003, F005, D001, D007	N	B211org. liquid	A21 painting	Off	M061 fuel blending	0.5	0.5	0.0
F002 (solvents)	N	B204 org. liquid	A19 other clean/degr.	Off	M141 transfer facil.	0.0	0.2	0.0
F003 (non-halog solvents)	Y	B101 inorg liquid	A29 other surface prep	Off	M125 other treat.	0.8	0.2	0.0
F003, D005, D001, D007	N	B203 org. liquid	A21 painting	Off	M061 fuel blending	60.1	60.1	0.0
F005, D008	Y	B101 inorg liquid	A27 etching	Off	M049 incineration	0.0	0.2	0.0
U226	N	B202 org. liquid	A57 1x/intermittent	Off	M061 fuel blending	0.0	0.6	0.0
U226, U210, D002, D001	N	B003 lab packs	A58 1x/intermittent	Off	M049 incineration	1.1	1.1	0.0
U080	N	B202 org. liquid	A57 1x/intermittent	Off	M061 fuel blending	0.0	0.3	0.0
TOTAL - 1993						306.2	308.7	0.0

TOXICS RELEASE INVENTORY

Total lbs of TRI chemicals:	Air-Fugitive Emissions	Air-Stack Emissions	Total Releases	Discharge to POTW	Off-Site Energy Recovery	Off-Site Recycling	Off-Site Treatment	Off-Site Disposal	Total Transfers
1991	63,625	274,800	338,483	482	260,393	8,596	810	7,178	277,459
1992	136,390	289,900	426,367	14,257	245,373	10,036	5,518	8,471	283,655
1993	83,710	284,500	368,388	9,195	177,458	63,687	332	968	251,640
1994	67,100	419,540	486,722	3,237	25,699	21,855	135	2,515	53,441
Lbs. per vehicle produced:									
1991	0.26	1.14	1.41	0.00	1.08	0.04	0.00	0.03	1.15
1992	0.34	0.73	1.07	0.04	0.62	0.03	0.01	0.02	0.71
1993	0.24	0.82	1.06	0.03	0.51	0.18	0.00	0.00	0.72
1994	0.16	1.00	1.16	0.01	0.06	0.05	0.00	0.01	0.13

Plant-Community Profile:
General Motors
Lansing MI

PLANT ENVIRONMENTAL PROFILE (continued)

1994 TRI Emissions/Releases by Chemical (lbs.)

Chemical Name	Air-Fugitive Emissions	Air-Stack Emissions	Total Releases	Discharge to POTW	Off-Site Energy Recovery	Off-Site Recycling	Off-Site Treatment	Off-Site Disposal	Total Transfers
METHANOL	6,700	26,000	32,700	0	0	1,700	0	0	1,700
N-BUTYL ALCOHOL	4,200	29,000	33,200	0	260	420	0	0	680
BENZENE	700	0	700	0	680	0	0	0	680
TERT-BUTYL ALCOHOL	400	0	400	0	0	0	0	0	0
METHYL ETHYL KETONE	11,000	45,000	56,000	0	4,100	7,400	0	0	11,500
1,2,4-TRIMETHYLBENZENE	380	14,000	14,380	0	500	0	0	0	500
ETHYLBENZENE	350	13,000	13,350	1	3,000	1,210	0	22	4,233
ETHYLENE GLYCOL	3,900	0	3,900	0	0	5,400	0	0	5,400
METHYL ISOBUTYL KETONE	110	27,000	27,110	0	69	0	0	0	69
TOLUENE	8,000	25,000	33,000	2	3,700	246	0	0	3,948
CYCLOHEXANE	860	0	860	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	27,000	240,000	267,000	0	12,000	3,248	0	61	15,309
METHYL TERT-BUTYL ETHER	1,500	0	1,500	0	1,200	0	0	0	1,200
CHROMIUM	0	0	1	17	0	113	10	360	500
COPPER	0	0	7	97	0	20	14	1,300	1,431
GLYCOL ETHERS	2,000	540	2,540	2,200	190	2,040	0	0	4,430
ZINC COMPOUNDS	0	0	74	920	0	58	111	772	1,861
TOTAL	67,100	419,540	486,722	3,237	25,699	21,855	135	2,515	53,441

VOC/NOx Emissions:
(lbs/year)

	VOCs	NO2
1990	1,404,386	113,196
1991	1,106,284	106,144
1992	764,964	115,242
1993	838,224	90,924
1994	1,090,324	123,814

Plant-Community Profile:
General Motors
Lansing MI

12/2/97

COMMUNITY ENVIRONMENTAL PROFILE

TRI Chemical Releases & Transfers from Sources Within 3 Miles of Auto/LDT Plant (lbs.)

Facility (w. map #)	Air-Fugitive Emissions	Air-Stack Emissions	Total Releases	Discharge to POTW	Off-Site Transfers	Total Transfers
1 W. R. GRACE & CO.	0	0	0	0	0	0
2 MELLING FORGING CO.	0	0	0	0	34,304	34,304
3 MOTOR WHEEL CORP.	1,750	43,750	45,500	750	10,255	11,005
4 ATMOSPHERE ANNEALING INC.	5	250	255	250	91,031	91,281
5 LANSING PLATING	0	0	0	0	0	0
6 AMERICAN SUNROOF CO.	0	0	0	0	0	0
7 ASC LANSING TRIM #27	624	0	624	0	39,039	39,039
8 LANSING DAIRY INC.	0	0	0	18,400	0	18,400
9 LINDBERG HEAT TREATING CO.	2,264	3,127	5,391	0	0	0
10 LANSING AUTOMOTIVE DIV. BODY PL	188,360	956,049	1,144,409	155	136,161	136,316
11 CHRYSLER CORP. WARREN TRUCK /	178,783	894,082	1,072,865	33,860	1,304,000	1,337,860
12 TRUMARK INC.	0	0	0	0	715,300	715,300
13 GMC LANSING AUTOMOTIVE PLANT :	39,830	2,650	42,480	1,700	3,046	4,746
14 GMC LANSING AUTOMOTIVE DIV.	61	1,600	1,661	0	150	150
15 GMC POWERTRAIN DELTA ENGINE P	19	0	19	259	8,810	9,069
17 FEDERAL FORGE INC.	0	0	0	0	0	0
18 UNITED GLAZED PRODS. LANSING	500	0	500	0	0	0
Total	412,196	1,901,508	2,313,704	55,374	2,342,096	2,397,470

**Air Quality Attainment Status
(as of 1994)***

ozone - attainment or unclassifiable
 carbon monoxide - attainment or unclassifiable
 particulates - unclassifiable
 lead - unclassifiable
 NO2 - cannot be classified or better than national standards
 SO2 - attainment

* no changes in designations occurred between 1994 and 1996

Plant-Community Profile:
General Motors
Lansing MI

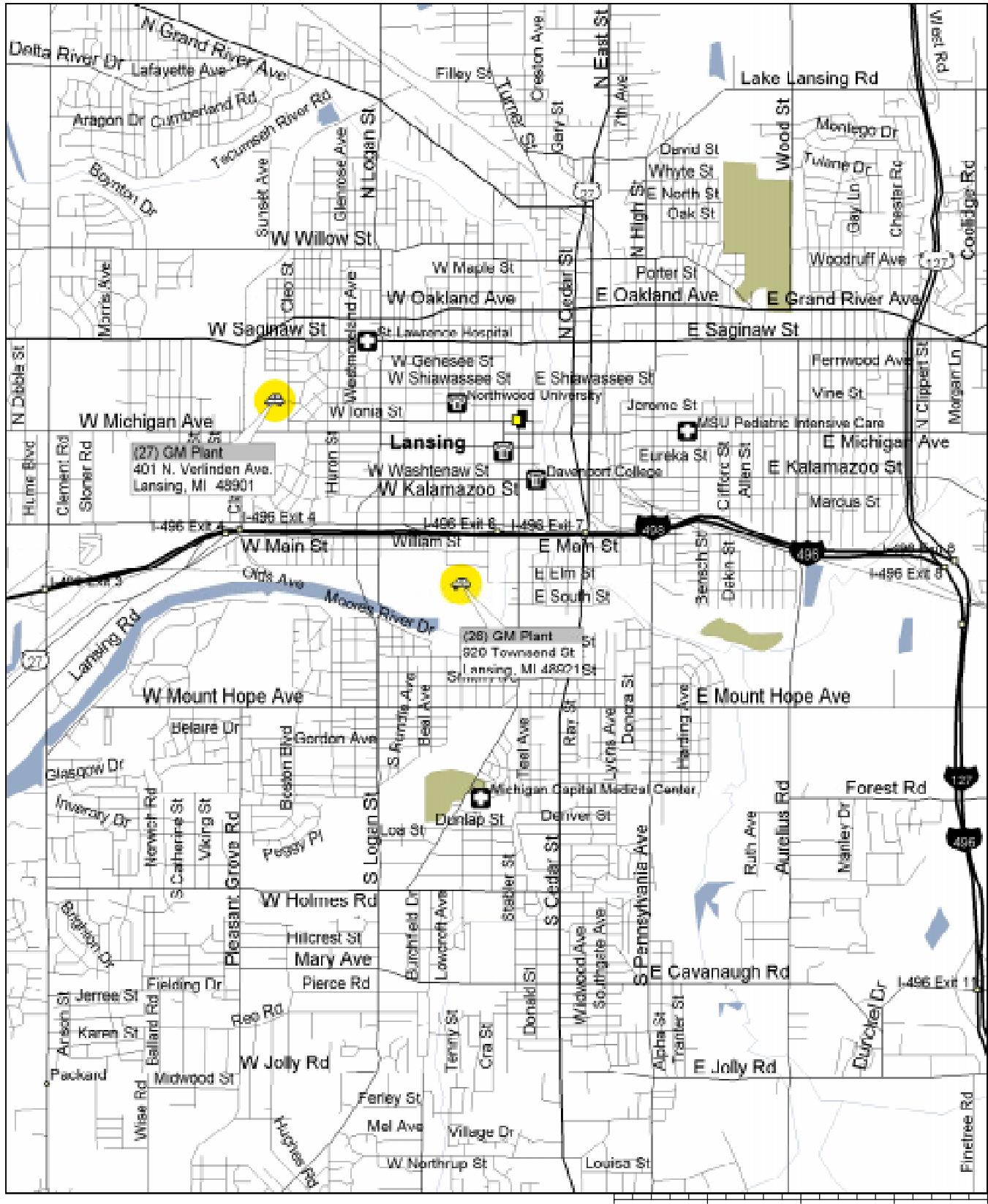
12/2/97

COMMUNITY DEMOGRAPHIC AND ECONOMIC CHARACTERISTICS

<i>Census</i>						<i>County</i>	<i>State</i>	<i>U.S.</i>
	<i>Block</i>	<i>0-1 Mile</i>	<i>0-3 Miles</i>	<i>1-3 Miles</i>	<i>3-5 Miles</i>			
Total Population (1994)		NA	NA	NA	NA	278,426	9,496,539	260,340,990
Total Population (1990)	586	14,222	1,051,374	1,037,152	954,384	281,912	9,295,297	248,709,873
% Change 1990-1994	NA	NA	NA	NA	NA	-1	2	5
Total Area (sq. mi.) (1990)	<1	3.1	28.2	25.1	50.2	559.2	56,809.2	3,536,278.1
Population/sq. mi. (land area) (1990)	3012	4,609	38,351	42,630	19,897	504	164	70
Median Household Income (1994)						NA	35,284	32,264
Median Household Income (1989)						30,162	31,020	30,056
% Change 1979-1989 (constant \$)						-1	-4	7
% Change 1989-1994 (constant \$)						NA	14	7
Per Capita Personal Income (1993)						19,464	20,584	20,800
Per Capita Personal Income (1989)						16,281	17,546	17,690
% Change 1989-1993 (current \$)						20	17	18
Minority Percentage (1990)	40	43	3	3	3	15	16	20
Pct. of Households Below Poverty Level (1989)	8	25	2	2	2	29	23	20
Pct. Not Completing High School (1990)	14	24	20	19	10	14	23	25
Total Employment (1994) (civilian nonfarm)						149,806	4,753,000	131,056,000
Unemployment Rate (1994)						5	6	6
Manufacturing Employment (1993)						24,790	906,672	18,183,381
Mfgr. as % Total Employment (1993)						20	26	19
Manufacturing Employment (1992)						26,200	917,000	18,253,000
Production Workers (1992)						19,700	574,000	11,654,000
% Change in Mfgr. Employment 1987-1992						-12	-7	-4
Assembly Plant as % Total Mfgr. Workers						31		

Data sources used were not always complete or current.
Attempts have been made to verify data, but errors may still exist.

Lansing, MI, GM Plant - Townsend Ave.



Streets⁹⁸

GENERAL MOTORS CORP
 920 TOWNSEND
 LANSING MI
 Tri Number: 48921BCLNS920TO

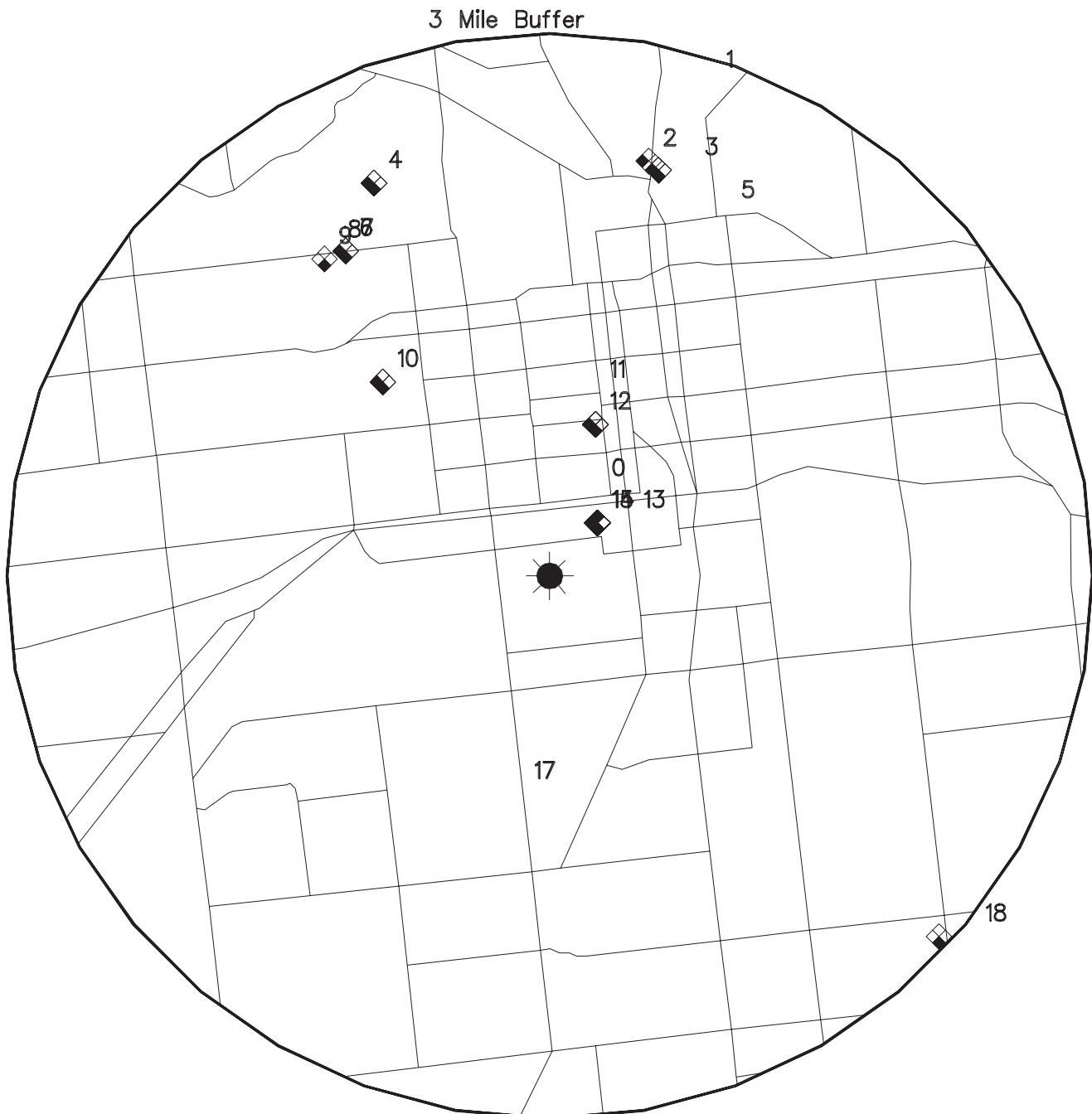
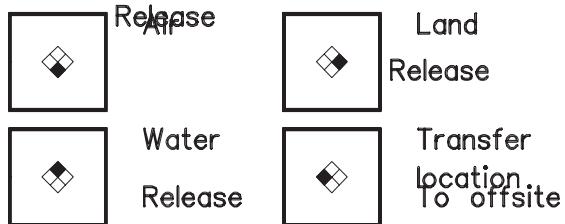
Map #	SIC	Name	Address	City	State
0	3710	GMC LANSING AUTOMOTIVE PLANT 1	920 TOWNSEND	LANSING	MI
1	2874	W. R. GRACE & CO.	2401 N. HIGH ST.	LANSING	MI
2	3462	MELLING FORGING CO.	1709 THOMPSON ST.	LANSING	MI
3	3465	MOTOR WHEEL CORP.	1600 N. LARCH ST.	LANSING	MI
4	3398	ATMOSPHERE ANNEALING INC.	1801 BASSETT ST.	LANSING	MI
5	3471	LANSING PLATING	1303 CASE ST.	LANSING	MI
6	3714	AMERICAN SUNROOF CO.	2101 W. WILLOW ST.	LANSING	MI
7	3714	ASC LANSING TRIM #27	2101 W. WILLOW ST.	LANSING	MI
8	2026	LANSING DAIRY INC.	2224 W. WILLOW	LANSING	MI
9	3398	LINDBERG HEAT TREATING CO.	2127 W. WILLOW ST.	LANSING	MI
10	3711	LANSING AUTOMOTIVE DIV. BODY PLANT	401 N. VERLINDEN	LANSING	MI
11	3711	CHRYSLER CORP. WARREN TRUCK ASSEMBLY PLANT	21500 MOUND RD.	WARREN	MI
12	9520	TRUMARK INC.	1820 SUNSET ST.	LANSING	MI
13	3714	GMC LANSING AUTOMOTIVE PLANT 3	2800 W. SAGINAW ST.	LANSING	MI
14	3710	GMC LANSING AUTOMOTIVE DIV.	2801 W. SAGINAW ST.	LANSING	MI
15	3519	GMC POWERTRAIN DELTA ENGINE PLANT	2901 S. CANAL RD.	LANSING	MI
17	3460	FEDERAL FORGE INC.	2807 S. LOGAN ST.	LANSING	MI
18	3272	UNITED GLAZED PRODS. LANSING	4500 AURELIUS RD.	LANSING	MI

AREA WIDE 1994 TRI EMISSION PROFILE

GENERAL MOTORS CORP
INGHAM COUNTY, Michigan

Latitude: 42 44 15
Longitude: 84 34 38

Map Key:
Auto
Plant
Truck



Number without a Symbol denotes no reported emissions over 0.5 pounds per year

1994 TRI EMISSIONS (LB/YEAR) AT FACILITIES WITHIN THREE MILES OF
 GENERAL MOTORS CORP TRI NO: 48921BCLNS920TO

Chemical Name	Air Fugitive (Non-Point Source) Emissions	Air Stack (Point Source) Emissions	Discharge to Surface Water	On-Site Land Disposal	TOTAL RELEASES	Discharge to POTW	Transfer	TOTAL TRANSFERS
GMC LANSING AUTOMOTIVE PLANT 1								
920 TOWNSEND								
LANSING	MI 48921 6206							
METHANOL	6,700	26,000	0	0	32,700	0	1,700	1,700
N-BUTYL ALCOHOL	4,200	29,000	0	0	33,200	0	680	680
BENZENE	700	0	0	0	700	0	680	680
TERT-BUTYL ALCOHOL	400	0	0	0	400	0	0	0
METHYL ETHYL KETONE	11,000	45,000	0	0	56,000	0	11,500	11,500
1,2,4-TRIMETHYLBENZENE	380	14,000	0	0	14,380	0	500	500
ETHYLBENZENE	350	13,000	0	0	13,350	1	4,232	4,233
ETHYLENE GLYCOL	3,900	0	0	0	3,900	0	5,400	5,400
METHYL ISOBUTYL KETONE	110	27,000	0	0	27,110	0	69	69
TOLUENE	8,000	25,000	0	0	33,000	2	3,946	3,948
CYCLOHEXANE	860	0	0	0	860	0	0	0
XYLENE (MIXED ISOMERS)	27,000	240,000	0	0	267,000	0	15,309	15,309
METHYL TERT-BUTYL ETHER	1,500	0	0	0	1,500	0	1,200	1,200
CHROMIUM	0	0	1	0	1	17	483	500
COPPER	0	0	7	0	7	97	1,334	1,431
GLYCOL ETHERS	2,000	540	0	0	2,540	2,200	2,230	4,430
ZINC COMPOUNDS	0	0	74	0	74	920	941	1,861
SUBTOTALS	67,100	419,540	82	0	486,722	3,237	50,204	53,441

W. R. GRACE & CO.	SIC DESCRIPTION: PHOSPHATIC FERTILIZERS	MAP LOCATION NO: 1
2401 N. HIGH ST.	SIC CODE: 2874	
LANSING	MI 48906	
SUBTOTALS	0 0 0 0 0 0 0 0 0	

1994 TRI EMISSIONS (LB/YEAR) AT FACILITIES WITHIN THREE MILES OF
 GENERAL MOTORS CORP TRI NO: 48921BCLNS920TO

Chemical Name	Air Fugitive (Non-Point Source) Emissions	Air Stack (Point Source) Emissions	Discharge to Surface Water	On-Site Land Disposal	TOTAL RELEASES	Discharge to POTW	Transfer	TOTAL TRANSFERS
MELLING FORGING CO.				SIC DESCRIPTION: IRON AND STEEL FORGINGS SIC CODE: 3462			MAP LOCATION NO:	2
1709 THOMPSON ST. LANSING		MI 48906						
MANGANESE	0	0	0	0	0	0	34,304	34,304
	SUBTOTALS	0	0	0	0	0	34,304	34,304
MOTOR WHEEL CORP.				SIC DESCRIPTION: AUTOMOTIVE STAMPINGS SIC CODE: 3465			MAP LOCATION NO:	3
1600 N. LARCH ST. LANSING		MI 48906 4157						
XYLENE (MIXED ISOMERS)	750	9,000	0	0	9,750	250	10,000	10,250
HYDROCHLORIC ACID	250	750	0	0	1,000	250	250	500
GLYCOL ETHERS	750	34,000	0	0	34,750	250	5	255
	SUBTOTALS	1,750	43,750	0	0	45,500	750	10,255
ATMOSPHERE ANNEALING INC.				SIC DESCRIPTION: METAL HEAT TREATING SIC CODE: 3398			MAP LOCATION NO:	4
1801 BASSETT ST. LANSING		MI 48915						
SULFURIC ACID	5	250	0	0	255	0	79,805	79,805
ZINC COMPOUNDS	0	0	0	0	0	250	11,226	11,476
	SUBTOTALS	5	250	0	0	255	250	91,031
LANSING PLATING				SIC DESCRIPTION: PLATING AND POLISHING SIC CODE: 3471			MAP LOCATION NO:	5
1303 CASE ST. LANSING		MI 48906						
	SUBTOTALS	0	0	0	0	0	0	0

1994 TRI EMISSIONS (LB/YEAR) AT FACILITIES WITHIN THREE MILES OF
 GENERAL MOTORS CORP TRI NO: 48921BCLNS920TO

Chemical Name	Air Fugitive (Non-Point Source) Emissions	Air Stack (Point Source) Emissions	Discharge to Surface Water	On-Site Land Disposal	TOTAL RELEASES	Discharge to POTW	Transfer	TOTAL TRANSFERS
AMERICAN SUNROOF CO.								
2101 W. WILLOW ST. LANSING	MI 48917	SIC DESCRIPTION: MOTOR VEHICLE PARTS & ACCESSOR SIC CODE: 3714						
		SUBTOTALS	0	0	0	0	0	0
ASC LANSING TRIM #27								
2101 W. WILLOW ST. LANSING	MI 48917	SIC DESCRIPTION: MOTOR VEHICLE PARTS & ACCESSOR SIC CODE: 3714						
DICHLOROMETHANE METHYLENEBIS(PHENYLISOCYANATE)	619 5	0 0	0 0	0 0	619 5	0 0	13,879 25,160	13,879 25,160
	SUBTOTALS	624	0	0	0	624	0	39,039
LANSING DAIRY INC.								
2224 W. WILLOW LANSING	MI 48917	SIC DESCRIPTION: FLUID MILK SIC CODE: 2026						
PHOSPHORIC ACID	0	0	0	0	0	18,400	0	18,400
	SUBTOTALS	0	0	0	0	18,400	0	18,400
LINDBERG HEAT TREATING CO.								
2127 W. WILLOW ST. LANSING	MI 48917	SIC DESCRIPTION: METAL HEAT TREATING SIC CODE: 3398						
AMMONIA	2,264	3,127	0	0	5,391	0	0	0
	SUBTOTALS	2,264	3,127	0	0	5,391	0	0

1994 TRI EMISSIONS (LB/YEAR) AT FACILITIES WITHIN THREE MILES OF
 GENERAL MOTORS CORP TRI NO: 48921BCLNS920TO

Chemical Name	Air Fugitive (Non-Point Source) Emissions	Air Stack (Point Source) Emissions	Discharge to Surface Water	On-Site Land Disposal	TOTAL RELEASES	Discharge to POTW	Transfer	TOTAL TRANSFERS
LANSING AUTOMOTIVE DIV. BODY PLANT					MOTOR VEHICLES & CAR BODIES		MAP LOCATION NO:	10
401 N. VERLINDEN			SIC DESCRIPTION: SIC CODE: 3711					
LANSING	MI 48901							
METHANOL	8,900	53,000	0	0	61,900	0	12,000	12,000
N-BUTYL ALCOHOL	30,000	150,000	0	0	180,000	0	9,600	9,600
METHYL ETHYL KETONE	34,000	33,000	0	0	67,000	0	18,000	18,000
1,2,4-TRIMETHYLBENZENE	0	19,000	0	0	19,000	0	1,800	1,800
ETHYLBENZENE	20	37,000	0	0	37,020	3	17,140	17,143
ETHYLENE GLYCOL	240	49	0	0	289	0	0	0
METHYL ISOBUTYL KETONE	7,600	120,000	0	0	127,600	0	26,003	26,003
TOLUENE	7,600	21,000	0	0	28,600	2	4,100	4,102
XYLENE (MIXED ISOMERS)	69,000	490,000	0	0	559,000	0	43,700	43,700
GLYCOL ETHERS	31,000	33,000	0	0	64,000	0	1,100	1,100
LEAD COMPOUNDS	0	0	0	0	0	150	2,718	2,868
SUBTOTALS	188,360	956,049	0	0	1,144,409	155	136,161	136,316
CHRYSLER CORP. WARREN TRUCK ASSEMBLY PLANT			SIC DESCRIPTION: SIC CODE: 3711		MOTOR VEHICLES & CAR BODIES		MAP LOCATION NO:	11
21500 MOUND RD.								
WARREN	MI 48901							
FORMALDEHYDE	1,300	12,000	0	0	13,300	0	552	552
METHANOL	15,000	67,000	0	0	82,000	0	3,728	3,728
N-BUTYL ALCOHOL	2,600	24,000	0	0	26,600	0	1,091	1,091
BENZENE	53	220	0	0	273	0	5	5
METHYL ETHYL KETONE	27,000	0	0	0	27,000	0	1,600	1,600
1,2,4-TRIMETHYLBENZENE	7,600	68,000	0	0	75,600	0	8,800	8,800
ETHYLBENZENE	6,900	62,000	0	0	68,900	0	130,120	130,120
ETHYLENE GLYCOL	140	2	0	0	142	970	0	970
METHYL ISOBUTYL KETONE	25,000	210,000	0	0	235,000	0	370,871	370,871
TOLUENE	12,000	25,000	0	0	37,000	0	2,033	2,033
XYLENE (MIXED ISOMERS)	47,000	400,000	0	0	447,000	0	737,960	737,960
COPPER	190	580	0	0	770	0	0	0
HYDROCHLORIC ACID	0	280	0	0	280	0	0	0
PHOSPHORIC ACID	0	1,000	0	0	1,000	0	0	0
GLYCOL ETHERS	34,000	24,000	0	0	58,000	32,000	5,657	37,657
MANGANESE COMPOUNDS	0	0	0	0	0	360	9,200	9,560
NICKEL COMPOUNDS	0	0	0	0	0	360	5,700	6,060
ZINC COMPOUNDS	0	0	0	0	0	170	26,683	26,853
SUBTOTALS	178,783	894,082	0	0	1,072,865	33,860	1,304,000	1,337,860

1994 TRI EMISSIONS (LB/YEAR) AT FACILITIES WITHIN THREE MILES OF
 GENERAL MOTORS CORP TRI NO: 48921BCLNS920TO

Chemical Name	Air Fugitive (Non-Point Source) Emissions	Air Stack (Point Source) Emissions	Discharge to Surface Water	On-Site Land Disposal	TOTAL RELEASES	Discharge to POTW	Transfer	TOTAL TRANSFERS
TRUMARK INC. 1820 SUNSET ST. LANSING					SIC DESCRIPTION: SIC CODE: 9520			MAP LOCATION NO: 12
		MI 48901						
MANGANESE	0	0	0	0	0	0	614,200	614,200
NICKEL	0	0	0	0	0	0	37,700	37,700
CHROMIUM	0	0	0	0	0	0	63,400	63,400
SUBTOTALS	0	0	0	0	0	0	715,300	715,300
GMC LANSING AUTOMOTIVE PLANT 3 2800 W. SAGINAW ST. LANSING					SIC DESCRIPTION: SIC CODE: 3714	MOTOR VEHICLE PARTS & ACCESSOR		MAP LOCATION NO: 13
		MI 48921 6206						
ETHYLBENZENE	130	0	0	0	130	0	0	0
TOLUENE	33,000	1,700	0	0	34,700	0	922	922
XYLENE (MIXED ISOMERS)	2,800	950	0	0	3,750	0	524	524
GLYCOL ETHERS	3,900	0	0	0	3,900	1,700	1,600	3,300
SUBTOTALS	39,830	2,650	0	0	42,480	1,700	3,046	4,746
GMC LANSING AUTOMOTIVE DIV. 2801 W. SAGINAW ST. LANSING					SIC DESCRIPTION: SIC CODE: 3710			MAP LOCATION NO: 14
		MI 48921 6206						
TOLUENE	61	1,600	0	0	1,661	0	150	150
SUBTOTALS	61	1,600	0	0	1,661	0	150	150

1994 TRI EMISSIONS (LB/YEAR) AT FACILITIES WITHIN THREE MILES OF
 GENERAL MOTORS CORP TRI NO: 48921BCLNS920TO

Chemical Name	Air Fugitive (Non-Point Source) Emissions	Air Stack (Point Source) Emissions	Discharge to Surface Water	On-Site Land Disposal	TOTAL RELEASES	Discharge to POTW	Transfer	TOTAL TRANSFERS
GMC POWERTRAIN DELTA ENGINE PLANT 2901 S. CANAL RD. LANSING				SIC DESCRIPTION: INTERNAL COMBUSTION ENGINES, SIC CODE: 3519			MAP LOCATION NO:	15
MI 48921 6206								
ETHYLENE GLYCOL	19	0	0	0	19	0	0	0
MANGANESE	0	0	0	0	0	60	1,091	1,151
NICKEL	0	0	0	0	0	5	1,200	1,205
CHROMIUM	0	0	0	0	0	1	4,923	4,924
COPPER	0	0	0	0	0	33	890	923
ZINC COMPOUNDS	0	0	0	0	0	160	706	866
SUBTOTALS	19	0	0	0	19	259	8,810	9,069
FEDERAL FORGE INC. 2807 S. LOGAN ST. LANSING				SIC DESCRIPTION: SIC CODE: 3460			MAP LOCATION NO:	17
MI 48910								
SUBTOTALS	0	0	0	0	0	0	0	0
UNITED GLAZED PRODS. LANSING 4500 AURELIUS RD. LANSING				SIC DESCRIPTION: CONCRETE PROD EXC BLCK & BRICK SIC CODE: 3272			MAP LOCATION NO:	18
MI 48910								
METHYL METHACRYLATE STYRENE	250	0	0	0	250	0	0	0
	250	0	0	0	250	0	0	0
SUBTOTALS	500	0	0	0	500	0	0	0

General Motors Lansing (C) Ingham County, Michigan

MAP KEY:

- County Boundaries
- Inter State Highway
- US Highway
- Rail Road
- One Mile
- Three Miles
- Five Miles

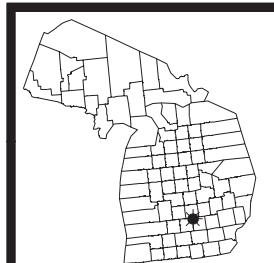
POPULATION DENSITY / SQ. MILE

- Greater than 10000
- 1000 - 10000
- 100 - 1000
- 10-100
- 1-10

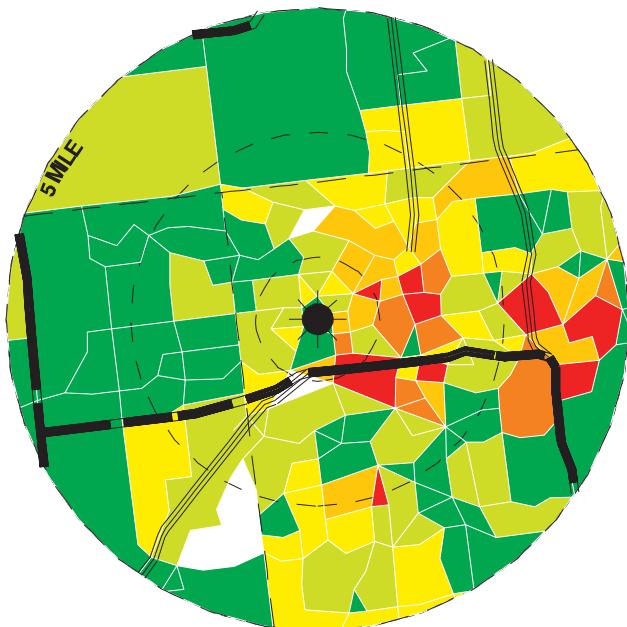
Latitude: 42 44 15 N
Longitude: 84 34 38 W

Minority, poverty, and High School Incomplete percentages

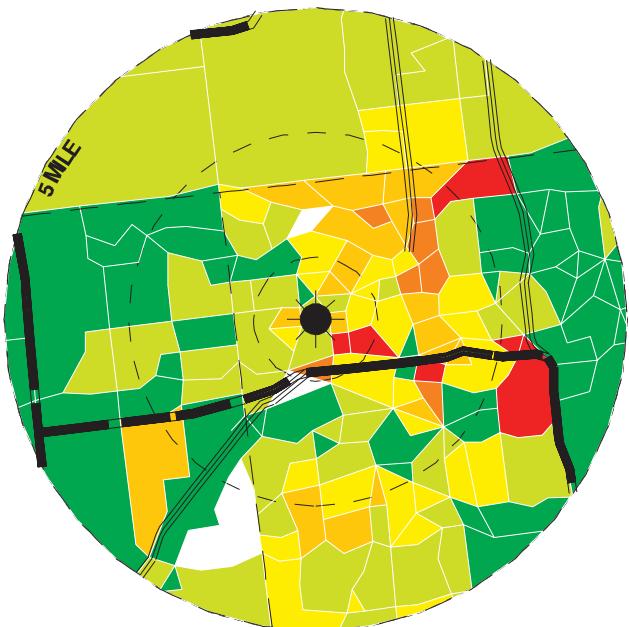
- Greater than 50
- 40 - 50
- 30 - 40
- 20 - 30
- 10 - 20
- 0 - 10



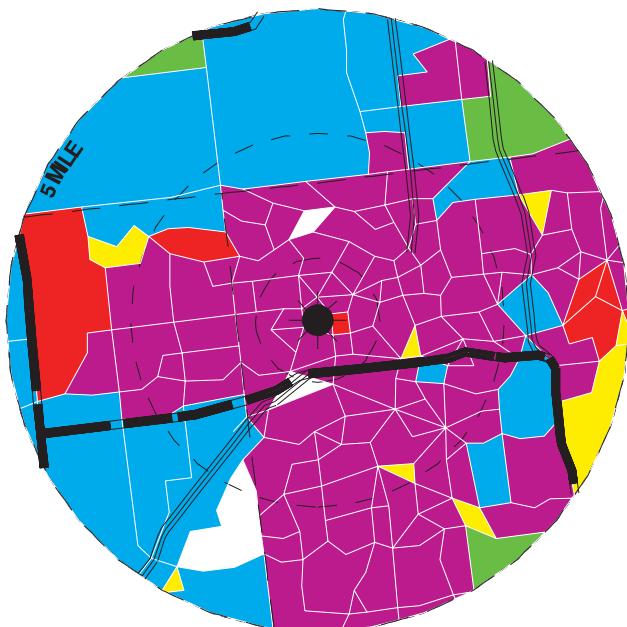
Percentage of Total Population
Below Poverty Level



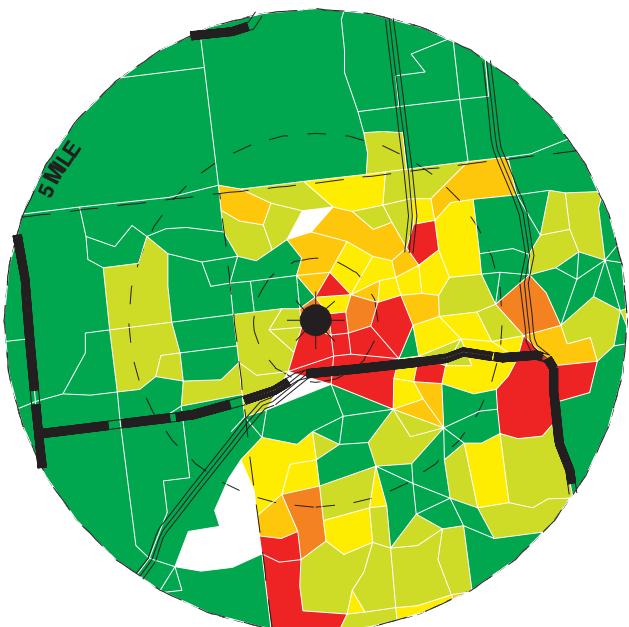
Percentage of Population not
Completing High School



Population Density
People Per Sq. Mile



Minority Population
Percent of Total Population



General Motors Lansing (C) Ingham County, Michigan

MAP KEY:

- County Boundaries
- Inter State Highway
- US Highway
- Rail Road
- One Mile
- Three Miles
- Five Miles

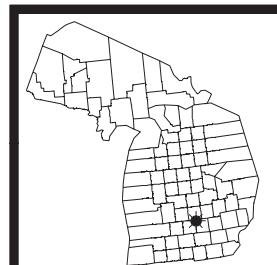
POPULATION DENSITY / SQ. MILE

- Greater than 10000
- 1000 - 10000
- 100 - 1000
- 10-100
- 1-10

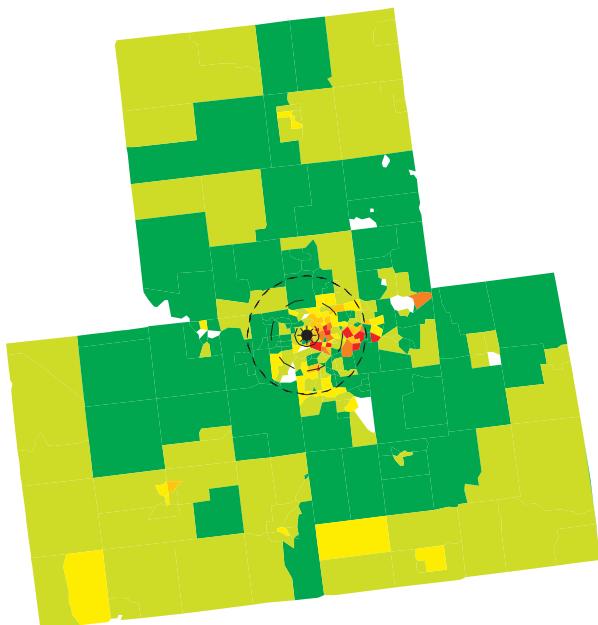
Latitude: 42 44 15 N
Longitude: 84 34 38 W

Minority, poverty, and High School Incomplete percentages

- Greater than 50
- 40 - 50
- 30 - 40
- 20 - 30
- 10 - 20
- 0 - 10



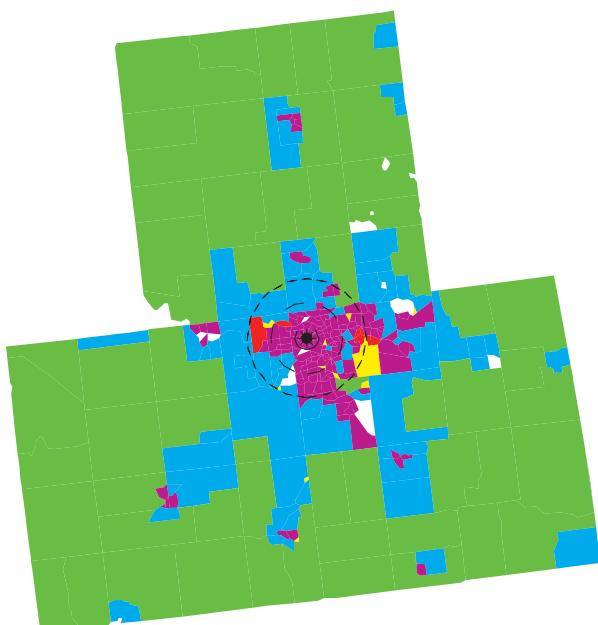
Percentage of Total Population Below Poverty Level



Percentage of Population not Completing High School



Population Density People Per Sq. Mile



Minority Population Percent of Total Population

