# Population Thresholds for Businesses in the State of Montana

Don Harder Montana State University May 18, 1998

### **APPROVAL**

of a writing project submitted by

Donald Harder

This writing project has been read by the writing project director and has been found to be satisfactory regarding content, English usage, format, citations, bibliographic style, and consistency, and is ready for submission to the Statistics Faculty.

Date

John J. Borkowski

Writing Project Director

## Population Thresholds for Businesses in the State of Montana

Donald Harder
Department of Mathematical sciences
Montana State University

June 1, 1998

A writing project submitted in partial fulfillment of the requirements for the degree

Master of Science in Statistics

## **Contents**

PARTI	
Threshold Paper	2
PART 2	
Appendix A	6
Table of Results for Businesses Fit With Quadratic Model	7
Table of Results for Businesses Fit With Linear Model	10
Appendix B	11
Table of Businesses Not Used in the Study	12
Appendix C	13
Table of Cities Used and Their Estimated 1996 Populations	14

#### Introduction

Population thresholds are important quantities for determining the potential support of businesses in a specified area. Economically, a population threshold is the minimum population of a city that can (successfully) support a certain business type. The study described in this paper was done for the Agricultural Extensions agent at Montana State University-Bozeman to help determine thresholds for cities and towns across the state of Montana.

Many factors contribute to placement and success when starting a business. This study will not attempt to predict the success or failure of a new business; however, it will provide certain guidelines regarding the population needed to support different business types. The number of businesses classified according to the Standard Industrial Classification (SIC) code were identified for 127 cities in Montana. 146 business types were used as the basis for the study. Data for business type and frequency were obtained from the 1997-1998 Montana Business Directory, and population estimates were obtained from the Montana Census Bureau's website, com.mt.gov/ceic/demog/estimate.

#### Objectives & Methods

The goal of this study was to find a model that would satisfactorily explain the relationship between the number of businesses in a community and the population of that community. Model selection was needed to determine the type of relationship between population and the number of businesses with certain SIC codes. After analyzing the graphs of population vs. the number of businesses for each type, it was determined that two separate models were required. Counts of some business types followed a linear trend, while some had definite curvature and needed a quadratic term in the model. For models where a quadratic term was used, the populations were centered to remove potential problems with population and population<sup>2</sup> being collinear. The centering was done by subtracting the overall mean population for all 127 cities from each individual city's population. Separate regressions were run for each business type, and the results are listed in Appendix A.

Once an appropriate model was selected, an inverse regression was run using the number of businesses as a predictor on population. This indicates how many people are needed to support x number of businesses. The tables in Appendix A give the information obtained by running the appropriate model for each business type. The columns represent the population needed for a town to support the number of businesses given ion the column headings. The numbers in parentheses correspond to the standard error for each predicted population. For example, if an entrepreneur wanted to start up a pizza parlor in a town of 3000 people that already had 2 pizza parlors, what population would be needed in that town to support that third pizza parlor? According to the table in Appendix A, approximately 4749 people would be needed to support the third pizza parlor. Note that this number is not an exact population estimate. An approximate 95% confidence interval can be obtained for the true population mean needed by adding and subtracting two standard errors from the estimate. A loose interpretation of the interval is that we are 95% confident that between approximately  $4749 \pm 2 * 454 = (3841, 5657)$  people are needed to support the third pizza parlor.

#### Cautions

Before proceeding, there are several data-related items that need to be mentioned. Information regarding many desired business types could not be gathered because of the lack of data available. Often times a certain business would not be located in a sufficient number of cities. Consequently, it was inappropriate to fit a regression model. Another problem that arose is that certain business types did not seem related to population at all. Consider the following examples:

1. There are only three registered Home Centers in Montana, two of which are located in Billings, and the other in Big Sandy which only has a population of 724. Because there are many larger cities that, if population is the best predictor of how many Home Centers are located in a city, should have Home Centers also. Again, there was not enough information about Home Centers to justify fitting a model.

2. Consider Retail Souvenir Shops. There are only four towns that have businesses registered as solely selling souvenirs. Three of those town's populations are between 500 and 10,000, and running a model for Retail Souvenir Shops would suggest that the larger the town, the less number of Retail Souvenir Shops it could support! Clearly this is an illogical conclusion; therefore, businesses of this type were dropped from the study.

A logical question that arises is: What influences the location of businesses that seem to decrease in frequency as population grows? Many businesses, such as mail order catalogs or small manufacturing plants, can be run out of a home, from a remote ranch or other places that do not require many local people for income. These businesses can be located anywhere with reasons for the location choice unknown to the researcher. Other specialty businesses may be open in towns that are located in special areas. Towns that border Yellowstone or Glacier National Park may be able to support a Souvenir Shop, where a town with a similar population in the middle of Eastern Montana may not have a market for one.

There are also statistical problems that arise. The results in Appendix A are to be used for the entire state of Montana. The data that was collected for the study was available data and does not represent a random sample of cities from across the state. This will not present a problem for using this data to look at thresholds for other cities in Montana if the assumption is made that the cities that were used in this study do not proportionally differ in their business frequencies from cities of similar populations that were not used in the study.

Another assumption that needs to be made when using these models is that business type A does not affect business type B. That is, if business type A moves into or leaves a city, this will not affect whether or not business type B can move into or leave that same city. This assumption is the assumption of independence between business types, and future studies can be done to determine the validity of this assumption.

Spatial correlation is another problem that may arise when studies of area such as this one are done. This study does not take into account the possibility that neighboring towns may influence whether or not a certain business will be successful in one of the other neighboring towns. Case in point: Belgrade, MT has a Harley Davidson Motorcycles Dealer. If another

Harley dealership opened in Bozeman, MT, which is only 8 miles from Belgrade, would they both be able to remain operational? Or would one of the dealerships eventually go out of business? The models used and the results printed in this paper assume that there is no correlation of this type from city to city.

Another concern that needs to be addressed is the method for attaining the population data. Although the most recent census data was for 1990, it would have been nonsensical to try use the census data of 1990 since it is now 1998 and Montana has undergone major growth in the '90s. The Montana Department of Commerce updates the population estimates for Montana each year. The populations used for this analysis represent the 1996 estimate of population, which is the most current available estimate. This introduces an extra error component to the predicted population thresholds that cannot be computed because error estimates of the Montana Department of Commerce's population estimates were not given. The intervals that are calculated from the threshold study are approximate and may need to be widened due to this extra error.

#### Conclusion

In conclusion, the population estimates given in Appendix A represent the population a town in Montana would need to support the given number of businesses for each type. The number of businesses range from 1 to 4 and are given as column headers. The standard errors of the estimates are also given so that confidence intervals can be obtained from the estimates. By simply adding and subtracting two times the standard error (estimate  $\pm 2*$  se), one can obtain an approximate 95% confidence interval for the mean population needed to support a certain number of each given business type. These intervals can then be used to determine the threshold for a certain business type. Remember, the methods used are only as good as the data provided, so they are to be used as guidelines, not as laws or rules to govern whether a town would be able to support new businesses. There is plenty of opportunity for further study into the topic of population thresholds in Montana, and the author encourages the readers to develop the methods and results given in this paper.

## APPENDIX A

Predicted Populations and Std. Errors for Businesses Fit With Quadratic Model

SIC CODE				
0742-01 Veterinarians	1	2	3	4
0752-10 Pet Services	1400 (300)	2631 (323)	4037 (398)	5618 (490)
0782-04 Landscape Contractors	23675 (1939)	41278 (2815)	54522 (2886)	63407 (3020)
1542-14 Buildings-Pole	4140 (648)	7144 (874)	10060 (1165)	12886 (1459)
4213-04 Trucking	4769 (4759)	20680 (5007)	50659 (6550)	94706 (17071)
	7177 (1446)	13979 (2450)	22626 (3124)	33120 (3538)
4512-02 Air Cargo Service	10083 (813)	18430 (1384)	26265 (1826)	33585 (2118)
4724-02 Travel Agencies & Bureaus	2658 (337)	4696 (483)	6914 (658)	9312 (822)
5211-10 Plumbing Fixtures & Supplies-New-Retail	3316 (715)	6294 (1158)	10296 (1500)	15320 (1713)
5211-35 Electric Equipment & Supplies-Retail	14856 (1965)	24609 (2749)	30417 (2845)	32279 (3693)
5211-42 Lumber-Retail	2809 ( 551)	5888 (821)	9560 (1138)	13823 (1407)
5271-02 Mobile Homes-Dealers	5014 ( 739)	9698 (1202)	15518 (1515)	22472 (1676)
5311-02 Department Stores	2431 ( 431)	4516 (602)	6940 (807)	9703 (991)
5411-05 Grocers-Retail	680 (211)	1834 (193)	3140 (229)	4597 (289)
5421-07 Meat-Retail	6079 ( 901)	13225 (1448)	21894 (1781)	32087 (2042)
5441-01 Candy & Confectionery-Retail	9733 ( 924)	19657 (1466)	31061 (1764)	43946 (1964)
5461-02 Bakers-Retail	3442 ( 381)	6119 (518)	8897 (687)	11775 (851)
5499-01 Health & Diet Foods-Retail	3168 (721)	6026 (1188)	9531 (1555)	13684 (1784)
5511-02 Automobile Dealers-New Cars	2753 (413)	5772 ( 552)	9081 (742)	12681 (919)
5511-03 Automobile Dealers-Used Cars	1976 ( 251)	3151 (268)	4353 (311)	5583 (367)
5531-14 Automobile Radio & Stereo Systs-Sls/Svc	14386 ( 1320)	25596 (2130)	34757 (2521)	41869 (2547)
5541-01 Service Stations-Gasoline & Oil	1270 ( 327)	3018 (321)	4793 (375)	6594 (459)
5541-03 Truck Stops & Plazas	8657 (1747)	21439 (2307)	39951 (2560)	64194 (4474)
5561-03 Recreational Vehicles	8326 ( 979)	16703 (1529)	26048 (1769)	36362 (1836)
5571-06 Motorcycles & Motor Scooters-Dealers	2937 (463)	10094 ( 689)	22446 (796)	39994 (981)
5621-01 Women's Apparel-Retail	2179 ( 402)	3783 ( 475)	5459 (604)	7205 (748)
5661-01 Shoes-Retail	3857 ( 281)	6650 (412)	9583 (552)	12656 (679)
5699-05 Costumes-Masquerade & Theatrical	30205 ( 1900)	49911 (2760)	60875 (2905)	63096 (3294)
5699-07 Western Apparel	7386 ( 651)	14627 (1086)	22507 (1427)	31026 (1669)
5719-08 Wood Burning Stoves	2385 (`1334́)	7798 (1986)	17848 (2068)	32534 (1977)
5719-26 Lighting Fixtures-Retail	15753 ( 1996)	27632 (2812)	36849 (2726)	43402 (2870)
5722-16 Vacuum Cleaners-Household-Dealers	3814 (816)	7679 (1323)	12785 ( 1646)	19131 ( 1778)
5722-18 Sewing Machines-Household	9775 ( 1223)	21573 (1719)	36498 (1864)	54549 (2589)
5731-03 Television & Radio-Dealers	6170 (896)	11518 (1415)	16399 (1863)	20814 (2178)
5731-05 Stereophonic & High Fidelity Equip-Dlrs	2137 (655)	4118 (1108)	7375 (1427)	11906 (1602)
5734-07 Computer & Equipment Dealers	2656 (478)	4385 (698)	6253 (953)	8259 ( 1192)
5736-08 Musical Instruments-Dealers	6429 ( 766)	14487 (1174)	25341 (1321)	38992 (1362)
5812-08 Restaurants	573 (`237)	783 (228)	995 (220)	1210 ( 215)
5812-22 Pizza	1865 ( 278)	3227 ( 345)	4749 (454)	6430 (567)
5912-05 Pharmacies	1794 ( 268)	3721 ( 314)	5789 (410)	7998 (515)
5921-02 Liquors-Retail	3077 ( 627)	7819 (1044)	14894 (1304)	24301 (1442)
5932-01 Book Dealers-Used & Rare	7158 ( 643)	14476 (1068)	22748 (1371)	31973 (1563)
5932-04 Consignment Shops	17727 ( 3044)	28555 (4877)	35015 (5740)	37108 (6150)
5932-29 Pawnbrokers	3251 ( 508)	5786 (808)	8578 (1101)	11625 (1344)
5941-13 Sporting Goods-Retail	1702 ( 456)	2538 (641)	3590 (873)	4857 (1093)
		(0.22)	2200 (010)	4001 (1093)

Quadratic Fit Predictions con't

5941-20 Saddlery & Harness   3776 (721)   7301 (1178)   11944 (1550)   17704 (1805)   5941-31 Fishing Tackle-Dealers   11379 (1850)   18929 (2657)   23509 (2653)   25118 (2533 (2544)   2304 (2653)   23509 (2653)   25118 (2533 (2544)   2304 (2653)   23509 (2653)   25118 (2533 (2546)   2304 (2653)   23108 (2653)   23239 (2804)   49108 (2848 (2546)   2594-09   2094 [2677]   20130   18733 (2669)   23209 (2653)   25118 (2533 (2577)   23509 (2653)   25118 (2533 (2577)   23509 (2653)   25118 (2533 (2577)   23509 (2653)   25118 (2533 (2577)   23509 (2653)   25118 (2533 (2577)   24108 (2545)   24511 (2554)   25451 (2555)	SIC CODE					
5941-31 Fishing Tackle-Dealers   5941-32 Camping Equipment   8591 (2130)   18733 (2969)   32239 (2804)   49108 (2844 574)   5943-01 Office Supplies   6165 (472)   12048 (773)   32230 (2804)   49108 (2844 574)   5944-09 Jewelers-Retail   5946-01 Photographic Equip & Supplies-Retail   5946-01 Photographic Equip & Supplies-Retail   5947-12 Gift Shops   5998-01 Cigar Cigarette & Tobacco Dealers-Retail   10010 (967)   28256 (1243)   50047 (1656)   93382 (3322 939)   3023 (2804)   42477 (2245 12256)   42478 (2243)   42574 (2243)   4257		1	2	3		
5941-38 Camping Equipment   5943-10 Office Supplies   6165 (472)   12048 (773)   18210 (1045)   24651 (1256	5941-31 Fishing Tackle-Dealers			11944 (1550)	17704 (1805)	
5943-01 Office Supplies	5941-38 Camping Equipment				25118 (2535)	
5944-09   Jewelers-Retail   2308 ( 412)   3999 (602)   5736 (819)   7789 (1015			18733 (2969)		49108 (2848)	
5946-01 Photographic Equip & Supplies-Retail   5947-12 Gift Shops   5993-01 Cigar Cigarette & Tobacco Dealers-Retail   1010 (967)   28256 (1243)   56047 (1656)   93382 (3322 (3927)   42477 (2245 (2245)   5999-30 Pet Shops   203 (941)   4348 (1408)   13999 (1481)   28946 (1330 (1327)   43477 (1245 (1328)   13999 (1481)   28946 (1330 (1327)   43477 (1676)   4348 (1408)   13999 (1481)   28946 (1330 (1327)   43477 (1676)   4348 (1408)   13999 (1481)   28946 (1330 (1327)   43477 (1676)   4348 (1408)   13999 (1481)   28946 (1330 (1327)   4348 (1408)   13999 (1481)   28946 (1330 (1327)   4348 (1408)   4348 (1408)   4348 (1408)   4348 (1408)   4348 (1408)   4349 (1408)			12048 (773)		24651 (1258)	
5997-12 Gift Shops   1311 (554)   1980 (575)   2701 (678)   3372 (3819)   5999-17 Hot Tubs & Spas   203 (941)   4348 (1408)   13929 (1481)   23943 (1332)   5999-30 Pet Shops   5188 (635)   10960 (1027)   18478 (1254)   27743 (1339)   6021-01 Banks   1178 (218)   2687 (230)   4361 (291)   6201 (367)   6035-01 Savings & Loan Associations   5246 (773)   1572 (1227)   1554 (1452)   29194 (1526)   6035-01 Savings & Loan Associations   5246 (773)   11572 (1227)   1554 (1452)   29194 (1526)   6031-01 Stock & Bond Brokers   3674 (402)   6618 (557)   9458 (742)   29194 (1526)   6282-05 Financial Planning Consultants   4486 (390)   7733 (590)   11067 (801)   14488 (936)   6531-16 Real Estate Appraisers   3038 (528)   5169 (764)   7422 (1034)   9797 (1284)   7011-01 Potels & Mortels   9346 (133)   1141 (555)   11495 (1933)   15456 (2064)   1120 (1040)	5946-01 Photographic Equip & Supplies Retail					
5999-01 Cigar Cigarette & Tobacco Dealers-Retail 5999-17 Hott Tubs & Spas 5999-39 Pet Shops 5188 (635) 10960 (1027) 1842 (185) 5999-39 Baseball Sports Cards & Memorabilia 6021-01 Banks 6021-01 Banks 5999-38 Baseball Sports Cards & Memorabilia 7377 (1067) 1178 (218) 2688 (1719) 43957 (1767) 6035-01 Savings & Loan Associations 5246 (773) 11572 (122) 19554 (1452) 29194 (1525) 6061-01 Credit Unions 5246 (773) 11572 (122) 19554 (1452) 29194 (1525) 6061-01 Credit Unions 5246 (773) 11572 (122) 19554 (1452) 29194 (1525) 6061-01 Credit Unions 5246 (773) 11572 (122) 19554 (1452) 29194 (1525) 6061-01 Credit Unions 5246 (773) 11572 (122) 19554 (1452) 29194 (1525) 6061-01 Credit Unions 5246 (773) 11572 (122) 19554 (1452) 29194 (1525) 6061-01 Credit Unions 6211-01 Stock & Bond Brokers 6621-16 Real Estate Apraisers 6531-16 Real Estate Apraisers 7930 (1246) 11067 (801) 14488 (939) 6515-01 Mobile Homes-Parks & Communities 6531-16 Real Estate Apraisers 7933-01 Campgrounds 6098 (1088) 10898 (1088) 10998 (1555) 1403 (556) 1722 (590) 7011-07 Bed & Breakfast Accomodations 6527 (1113) 11070 (1737) 14955 (2301) 18194 (2725) 7033-01 Campgrounds 6098 (1088) 10798 (1584) 14088 (1906) 15971 (2116) 7211-01 Laundries 7593 (1190) 14772 (1968) 23278 (2433) 33111 (2635) 7212-01 Cleaners 2770 (426) 5014 (590) 7413 (794) 9966 (986) 7231-06 Beauty Salons 618 (237) 1124 (223) 1639 (216) 2163 (218) 729-06 Exercise & Physical Fitness Programs 1890 (304) 3079 (331) 3366 (399) 5569 (448) 7311-01 Advertising-Agencies & Counselors 7320-01 Collection Agencies 7052 (713) 3846 (636) 8127 (1045) 14112 (1278) 21800 (1387) 733-03 Wheel Alignment-Frame & Axle Svc-Auto 7629-02 Pitelevision & Radio-Service/Repair 7629-02 Welding 2378 (444) 1325 (248) 936 (4470) 11027 (1770) 16271 (1955) 7699-04 Taxidermists 6007 (838) 4428 (439) 4441 (740) 11027 (1770) 16271 (1955) 7699-04 Taxidermists 6007 (838) 4428 (439) 4441 (529) 29764 (1765) 4421 (1952) 4421 (1952) 4421 (1952) 4421 (1952) 4421 (1952) 4421 (1952) 4421 (1952) 4421 (1952) 4421 (1952) 4421 (1952) 4421 (1952)	5947-12 Gift Shops	9714 (1098)		30235 (2077)	42477 (2245)	
S999-17 Hot Tubs & Spas   5999-30 Pet Shops   5188 (635)   10960 (1027)   18478 (1254)   27743 (1339 (1321 (13321 (1	5993-01 Cigar Cigarette & Tobacco Dealers Rotail				3472 (819)	
5999-30 Pet Shops   5188 (635)   10960 (1027)   18478 (1254)   227743 (1339)   5999-93 Baseball Sports Cards & Memorabilia   6021-01 Banks   1178 (218)   26862 (1719)   43957 (1767)   6061-01 Credit Unions   3449 (390)   6762 (643)   10739 (868)   15377 (1034)   6221-01 Stock & Bond Brokers   3674 (402)   6518 (557)   9458 (742)   12495 (918)   6515-01 Mobile Homes-Parks & Communities   4675 (769)   7903 (1246)   11497 (1693)   15456 (2064)   11497 (1693)   15456 (2064)   11497 (1693)   15456 (2064)   11497 (1693)   15456 (2064)   11497 (1693)   15456 (2064)   11497 (1693)   15456 (2064)   11497 (1693)   15456 (2064)   11497 (1693)   15456 (2064)   11497 (1693)   15456 (2064)   11497 (1693)   11497 (1693)   15456 (2064)   11497 (1693)   11497 (1693)   11497 (1693)   11497 (1693)   11497 (1693)   11497 (1694)   11497 (1693)   11497 (	5999-17 Hot Tubs & Spas					
5999-93 Baseball Sports Cards & Memorabilia   6021-01 Banks   1548   1548   1548   1548   1549   1548   1549   1548   1549   1						
6021-01 Banks   1178 (218)   2687 (230)   4361 (291)   6201 (367)   6035-01 Savings & Loan Associations   5246 (773)   11572 (1227)   19554 (1452)   29194 (1525 (6061-01 Credit Unions   3449 (390)   6762 (643)   10739 (868)   15377 (1034 (622)   6211-01 Stock & Bond Brokers   3674 (402)   6518 (557)   9458 (742)   12495 (918)   6282-05 Financial Planning Consultants   4675 (769)   7733 (590)   11067 (801)   14488 (993 (613)   11497 (1693)   15456 (2064)   1497 (1693)   15456 (2064)   1497 (1693)   15456 (2064)   1497 (1693)   15456 (2064)   1497 (1693)   15456 (2064)   1497 (1693)   15456 (2064)   1497 (1693)   14959 (2301)   18194 (2725 (1034)   14959 (2301)   18194 (2301)   18194 (2301)   18194 (2301)   18194 (2301)   18194 (2301)   181						
6035-01 Savings & Loan Associations   5246 (773   11572 (1227)   19554 (1452)   29194 (1525 (6061-01 Credit Unions   3449 (390)   6762 (643)   10739 (868)   15377 (1034 (6282-05 Financial Planning Consultants   4486 (390)   7733 (590)   11067 (801)   14488 (993 (6515-01 Mobile Homes-Parks & Communities   4675 (769)   7903 (1246)   11497 (1693)   15456 (2064 (631-16 Real Estate Appraisers   3038 (528)   5169 (764)   7422 (1034)   9797 (1284 (6361-3)   10739 (868)   15377 (1034 (631-16)   14488 (993 (631-16)   14488 (993 (631-16)   14488 (993 (631-16)   14497 (1693)   15456 (2064 (631-16)   14497 (1693)   14497 (1693)   14497 (1693)   14497 (1693)   14497 (1693)   14497 (1693)   14497 (1693)   14497 (1693)   14497 (1693)   14497 (1693)   14497 (1693)   14497 (1693)   14497 (1693)	6021-01 Banks	` '				
6061-01 Credit Unions   3449 (390)   6762 (643)   10739 (868)   15377 (1034 (6211-01 Stock & Bond Brokers   6282-05 Financial Planning Consultants   4486 (390)   7733 (590)   11067 (801)   14488 (936)   6515-01 Mobile Homes-Parks & Communities   4675 (769)   7903 (1246)   11497 (1693)   15456 (2064 (631)   1070 (1073)   1408 (6391)   1070 (10737)   1409 (10737)				4361 (291)		
6211-01 Stock & Bond Brokers 6282-05 Financial Planning Consultants 6515-01 Mobile Homes-Parks & Communities 6531-16 Real Estate Appraisers 7011-01 Hotels & Motels 7011-07 Bed & Breakfast Accomodations 7033-01 Campgrounds 7211-01 Laundries 7212-01 Cleaners 7217-04 Carpet & Rug Cleaners 7217-04 Carpet & Rug Cleaners 7231-06 Beauty Salons 7241-01 Barbers 7299-06 Exercise & Physical Fitness Programs 7299-31 Electrolysis 7299-31 Electrolysis 7333-01 Photographers-Commercial 7338-01 Automobile Renting & Leasing 7539-03 Welding 7539-03 Welding 7699-02 Appliances-Household-Major-Repairing 7699-02 Locks & Locksmiths 7699-62 Locks & Locksmiths 7698-62 Locks & Locksmiths 7601-01 Rate Return Preps & Discs-Renting & Leasing 7601-01 Video Tapes & Discs-Renting & Leasing 7691-02 Video Tapes & Discs-Renting & Leasing 7601-02 Video Tapes & Discs-Renting & Leasing 7691-02 Video Tapes & Discs-Renting & Leasing 7691-02 Video Tapes & Discs-Renting & Leasing 7691-02 Video Tapes & Discs-Renting & Leasing 7691-04 Video Tapes & Discs-Renting	6061-01 Credit Unions					
6282-05 Financial Planning Consultants					15377 (1034)	
6515-01 Mobile Homes-Parks & Communities   4675 (769)   7903 (1246)   11497 (1693)   15456 (2064)   6531-16 Real Estate Appraisers   3038 (528)   5169 (764)   7422 (1034)   17407 (1014)   1014   1						
1983   1038	6515-01 Mobile Homes-Parks & Communities	1 : /		11067 (801)	14488 ( 993)	
7011-01 Hotels & Motels   7011-07 Bed & Breakfast Accomodations   7033-01 Campgrounds   6527 (1113)   11070 (1737)   14959 (2301)   18194 (2725 (2703)   1722 (2500)   1724 (2705)   1722 (2500)   1724 (2705)   1	6531-16 Real Estate Appraisers				15456 ( 2064)	
7011-07 Bed & Breakfast Accomodations   6527 (1113)   11070 (1737)   14959 (2301)   1894 (2725)   1721-01 Laundries   7593 (1190)   14772 (1968)   23278 (2433)   33111 (2635)   1721-01 Cleaners   3627 (247)   6473 (374)   9448 (512)   12553 (637)   1721-04 Carpet & Rug Cleaners   2770 (426)   5014 (590)   7413 (794)   9966 (986)   7231-06 Beauty Salons   618 (237)   1124 (223)   1639 (216)   2163 (218)   1890 (304)   3079 (331)   4306 (399)   5569 (484)   12462 (889)   23618 (1190)   37966 (1563)   12462 (889)   23618 (1190)   37966 (1563)   12462 (889)   23618 (1190)   37966 (1563)   12462 (889)   23618 (1190)   37966 (1563)   12462 (889)   23618 (1190)   37966 (1563)   12462 (889)   23618 (1190)   37966 (1563)   12462 (889)   23618 (1190)   37966 (1563)   12409 (1167)   17448 (1596)   22170 (1962)   13635 (1506)   24296 (1621)   37924 (1583)   13635 (1506)   24296 (1621)   37924 (1583)   13635 (1506)   24296 (1621)   37924 (1583)   13635 (1506)   24296 (1621)   37924 (1583)   13635 (1506)   24296 (1621)   37924 (1583)   13635 (1506)   24296 (1621)   37924 (1583)   13635 (1506)   24296 (1621)   37924 (1583)   13635 (1506)   24296 (1621)   37924 (1583)   13635 (1506)   24296 (1621)   37924 (1583)   13635 (1506)   24296 (1621)   37924 (1583)   13635 (1506)   24296 (1621)   37924 (1583)   13635 (1506)   24296 (1621)   37924 (1583)   3735-01   2409 (1167)   17448 (1596)   22170 (1962)   2378 (454)   34367 (2509)   37366 (1284)   3735-01   37366 (1284)   37366 (1384)						
7033-01 Campgrounds				1		
7211-01 Laundries 7212-01 Cleaners 7212-01 Cleaners 7217-04 Carpet & Rug Cleaners 7231-06 Beauty Salons 7241-01 Barbers 7261-03 Funeral Directors 7291-01 Tax Return Preparation & Filing 7299-06 Exercise & Physical Fitness Programs 7311-01 Advertising-Agencies & Counselors 7322-01 Collection Agencies 7323-01 Photographers-Commercial 7335-01 Photographers-Commercial 7358-01 Automobile Renting & Leasing 7538-01 Automobile Repairing & Service 7539-03 Wheled Alignment-Frame & Axle Svc-Auto 7692-02 Television & Radio-Service/Repair 7699-04 Taxidermists 7801-01 Laundries 7553 (1190) 14772 (1968) 32278 (243) 33111 (2635 33111 (2635 33111 (2635 33111 (2635 33111 (2635 33111 (2635) 33111 (2635) 33111 (2635) 33111 (2635) 33111 (2635) 33111 (2635) 33111 (2635) 33111 (2635) 33111 (2635) 321100 12462 (889) 12563 (218) 1257 (318) 12402 (889) 12564 (889) 12661 (8237) 11246 (223) 1639 (216) 12462 (889) 23618 (1190) 2376 (426) 12462 (889) 23618 (1190) 2376 (426) 12462 (889) 23618 (1190) 2376 (426) 12462 (889) 23618 (1190) 2376 (426) 12462 (889) 23618 (1190) 2376 (426) 12462 (889) 23618 (1190) 2376 (426) 12462 (889) 23618 (1190) 2376 (426) 12462 (889) 23618 (1190) 2376 (426) 12462 (889) 23618 (1190) 2376 (426) 12462 (889) 23618 (1190) 2376 (426) 12462 (889) 23618 (1190) 2376 (426) 12462 (889) 23618 (1190) 2378 (454) 33111 (2635 33111 (2635 33111 (2635 33111 (2635 33111 (2635 33111 (2635) 33111 (2635) 33111 (2635) 33111 (2635) 33111 (2635) 33111 (2635) 33111 (2635) 33111 (2635) 33111 (2635) 33111 (2635) 33111 (2635) 33111 (2635) 33111 (2635) 33111 (2635) 33111 (2635) 3247 (210) 4262 (889) 23618 (1190) 2378 (540) 13242 (889) 23618 (1190) 2378 (100) 1365 (1506) 24296 (1621) 37924 (1583) 2496 (1621) 37924 (1583) 2496 (1621) 37924 (1583) 2496 (1621) 37924 (1583) 2496 (1621) 37924 (1583) 24100 24160 (1681) 32374 (234) 43367 (220) 37924 (1583) 37924 (1583) 37924 (1681) 32378 (210) 4429 (1681) 32374 (234) 43367 (220) 4366 (390) 4366 (390) 4366 (390) 4366 (390) 4366 (390) 4364 (440) 4367 (250) 4428 (490) 4428 (490) 4428 (490) 4428 (490) 4			10708 (1584)			
7212-01 Cleaners   7217-04 Carpet & Rug Cleaners   7217-04 Carpet & Rug Cleaners   2770 (426)   5014 (590)   7413 (794)   9966 (986)   7231-06 Beauty Salons   618 (237)   1124 (223)   1639 (216)   2163 (218)   7261-03 Funeral Directors   1890 (304)   3079 (331)   4306 (399)   5569 (484)   7291-01 Tax Return Preparation & Filing   1570 (316)   2701 (321)   3855 (356)   5032 (410)   7299-06 Exercise & Physical Fitness Programs   7299-31 Electrolysis   18390 (1681)   32374 (2344)   43367 (2509)   51368 (3449)   7311-01 Advertising-Agencies & Counselors   7052 (713)   12409 (1167)   17448 (1596)   22170 (1962)   7322-01 Collection Agencies   3846 (636)   8127 (1045)   14112 (1278)   21800 (1338)   7514-01 Automobile Renting & Leasing   7538-01 Automobile Repairing & Service   972 (340)   1373 (324)   1784 (321)   2205 (330)   7639-03 Whelel Alignment-Frame & Axle Svc-Auto   7622-02 Television & Radio-Service/Repair   4274 (860)   8239 (1456)   13805 (1891)   22097 (2157)   7699-04 Taxidermists   7699-04 Taxidermists   7699-04 Taxidermists   7699-04 Taxidermists   7699-62 Locks & Locksmiths   7699-62 Locks & Locksmiths   7699-62 Locks & Locksmiths   7691-62 Video Tapes & Discs-Renting & Leasing   4281 (524)   7619 (853)   11194 (1189)   15005 (1480)	7211-01 Laundries		14772 (1968)		22111 ( 2210)	
7217-04 Carpet & Rug Cleaners   2770 (426)   5014 (590)   7413 (794)   9966 (986)   7231-06 Beauty Salons   1890 (304)   3079 (331)   4306 (399)   5569 (484)   3079-06 Exercise & Physical Fitness Programs   1570 (316)   2701 (321)   3855 (356)   5032 (410)   3792-01   24296 (1621)   37926 (1563)   24296 (1621)   37926 (1563)   24296 (1621)   37926 (1563)   24296 (1621)   37924 (1583)   32374 (2344)   43367 (2509)   51368 (3449)   335-01   2409 (1667)   24296 (1621)   37924 (1583)   32374 (2344)   3367 (2509)   3635 (1506)   24296 (1621)   37924 (1583)   32374 (2344)   3367 (2509)   51368 (3449)   335-01   2409 (167)   24296 (1621)   37924 (1583)   32374 (2344)   3367 (2509)   37924 (1583)   32374 (2344)   3367 (2509)   37924 (1583)   32374 (2344)   3367 (2509)   37924 (1583)   32374 (2344)   3367 (2509)   37924 (1583)   32374 (2344)   3367 (2509)   37924 (1583)   32374 (2344)   3367 (2509)   37924 (1583)   32374 (2344)   3367 (2509)   37924 (1583)   32374 (2344)   3367 (2509)   37924 (1583)   32374 (2344)   3367 (2509)   37924 (1583)   32374 (2344)   3367 (2509)   37924 (1583)   32374 (2344)   3367 (2509)   3168 (3449)   3249 (1677)   3249 (167		3627 (247)				
7231-06 Beauty Salons       618 (237)       1124 (223)       1639 (216)       2163 (218)         7241-01 Barbers       1890 (304)       3079 (331)       4306 (399)       2569 (484)         7261-03 Funeral Directors       4497 (540)       12462 (889)       23618 (1190)       37966 (1563)         7291-01 Tax Return Preparation & Filing       1570 (316)       2701 (321)       3855 (356)       5032 (410)         7299-06 Exercise & Physical Fitness Programs       5943 (1002)       13635 (1506)       24296 (1621)       37924 (1583)         7299-31 Electrolysis       18390 (1681)       32374 (2344)       43367 (2509)       51368 (3449)         7311-01 Advertising-Agencies & Counselors       7052 (713)       12409 (1167)       17448 (1596)       22170 (1962)         7335-01 Photographers-Commercial       5528 (603)       10146 (935)       14606 (1284)       18909 (1597)         7538-01 Automobile Renting & Service       972 (340)       1373 (324)       1784 (321)       2205 (330)         7529-02 Television & Radio-Service/Repair       4274 (860)       8239 (1456)       13805 (1891)       2205 (380)         7699-04 Taxidermists       3280 (876)       6697 (1400)       11027 (1770)       16861 (1251)         7699-62 Locks & Locksmiths       4281 (524)       7619 (853)       11194 (1189)	7217-04 Carpet & Rug Cleaners				0066 ( 006)	
1890 (304)   3079 (331)   4306 (399)   5569 (484)   7261-03 Funeral Directors   4497 (540)   12462 (889)   23618 (1190)   37966 (1563)   7291-01 Tax Return Preparation & Filing   1570 (316)   2701 (321)   3855 (356)   5032 (410)   7299-31 Electrolysis   7311-01 Advertising-Agencies & Counselors   7322-01 Collection Agencies   7052 (713)   12409 (1167)   17448 (1596)   22170 (1962)   7322-01 Collection Agencies   3846 (636)   8127 (1045)   14112 (1278)   21800 (1338)   7538-01 Automobile Renting & Leasing   7538-01 Automobile Repairing & Service   972 (340)   1373 (324)   1784 (321)   2205 (330)   7539-03 Wheel Alignment-Frame & Axle Svc-Auto   7622-02 Television & Radio-Service/Repair   4274 (860)   8239 (1456)   13805 (1891)   220971 (2157)   7629-02 Appliances-Household-Major-Repairing   4428 (499)   8443 (740)   12587 (1009)   16861 (1251)   7699-62 Locks & Locksmiths   7841-02 Video Tapes & Discs-Renting & Leasing   4281 (524)   7619 (853)   11194 (1189)   15005 (1480)	7231-06 Beauty Salons		1 1			
7261-03 Funeral Directors   7291-01 Tax Return Preparation & Filing   7299-06 Exercise & Physical Fitness Programs   7299-06 Exercise & Physical Fitness Programs   7299-31 Electrolysis   7311-01 Advertising-Agencies & Counselors   7052 (713)   7052 (						
7291-01 Tax Return Preparation & Filing   7299-06 Exercise & Physical Fitness Programs   7299-06 Exercise & Physical Fitness Programs   7299-31 Electrolysis   7311-01 Advertising-Agencies & Counselors   7052 (713)   12409 (1167)   17448 (1596)   22170 (1962   7322-01 Collection Agencies   3846 (636)   8127 (1045)   14112 (1278)   21800 (1338   7335-01 Photographers-Commercial   7514-01 Automobile Renting & Leasing   7538-01 Automobile Repairing & Service   7539-03 Wheel Alignment-Frame & Axle Svc-Auto   7622-02 Television & Radio-Service/Repair   4274 (860)   8239 (1456)   3206 (579)   4743 (794)   6590 (982)   7629-02 Appliances-Household-Major-Repairing   4428 (499)   8443 (740)   12587 (1009)   16861 (1251)   7699-04 Taxidermists   3280 (876)   6697 (1400)   11027 (1770)   16271 (1955)   7699-62 Locks & Locksmiths   7619 (874)   1014 (1189)   15005 (1480)   15005 (1480)   10146 (1189)   10146 (1189)   15005 (1480)   10146 (1189)   10146 (1189)   10146 (1189)   10146 (1189)   10146 (1189)   10146 (1189)   10146 (1189)   10146 (1189)   10146 (1189)   10146 (1189)   1			12462 (889)		37966 ( 1563)	
7299-06 Exercise & Physical Fitness Programs         5943 (1002)         13635 (1506)         24296 (1621)         37924 (1583)           7299-31 Electrolysis         18390 (1681)         32374 (2344)         43367 (2509)         51368 (3449)           7311-01 Advertising-Agencies & Counselors         7052 (713)         12409 (1167)         17448 (1596)         22170 (1962)           7335-01 Photographers-Commercial         3846 (636)         8127 (1045)         14112 (1278)         21800 (1338)           7514-01 Automobile Renting & Leasing         2857 (506)         4796 (766)         6954 (1041)         9330 (1285)           7539-03 Wheel Alignment-Frame & Axle Svc-Auto         972 (340)         1373 (324)         1784 (321)         2205 (330)           7629-02 Appliances-Household-Major-Repairing         4274 (860)         8239 (1456)         13805 (1891)         20971 (2157)           7699-04 Taxidermists         3280 (876)         6697 (1400)         11027 (1770)         16861 (1251)           7699-62 Locks & Locksmiths         3280 (876)         6697 (1400)         11027 (1770)         16271 (1955)           7841-02 Video Tapes & Discs-Renting & Leasing         4281 (524)         7619 (853)         11194 (1189)         15005 (1480)	7291-01 Tax Return Preparation & Filing	1570 (316)				
18390 (1681)   32374 (2344)   43367 (2509)   51368 (3449)   7311-01 Advertising-Agencies & Counselors   7052 (713)   12409 (1167)   17448 (1596)   22170 (1962)   7322-01 Collection Agencies   3846 (636)   8127 (1045)   14112 (1278)   14102 (1278)   14006 (1284)   14006 (128	7299-06 Exercise & Physical Fitness Programs					
7311-01 Advertising-Agencies & Counselors 7322-01 Collection Agencies 7335-01 Photographers-Commercial 7514-01 Automobile Renting & Leasing 7538-01 Automobile Repairing & Service 7539-03 Wheel Alignment-Frame & Axle Svc-Auto 7622-02 Television & Radio-Service/Repair 7629-02 Appliances-Household-Major-Repairing 7699-04 Taxidermists 7699-62 Locks & Locksmiths 7699-62 Locks & Locksmiths 7601-01 Advertising-Agencies & Counselors 77052 (713) 77052 (714) 77052 (714) 77052 (714) 77052 (714) 77052 (714) 77052 (714) 77052 (714) 77052 (714) 77052 (714) 77052 (714) 77052 (714) 77052 (714) 77052 (714) 77052 (714) 77052 (714) 77052 (714) 77052 (716) 77052 (714) 77052 (714) 77052 (714) 77052 (714) 77052 (714) 77052 (714) 77052 (714) 77052 (714) 77052 (714) 77052 (714) 77052 (714) 77052 (714) 77052 (714) 77052 (714) 77052 (714) 77052 (716) 77052 (714) 77052 (714) 77052 (714) 77052 (714) 77052 (714) 77052 (714) 77052 (714) 77052 (714) 77052 (714) 77052 (714) 77052 (714) 77052 (714) 77052 (714) 77052 (714) 77052 (714) 77052 (716) 77052 (714) 77052 (71	7299-31 Electrolysis	18390 (1681)				
7322-01 Collection Agencies 7335-01 Photographers-Commercial 7514-01 Automobile Renting & Leasing 7538-01 Automobile Repairing & Service 7539-03 Wheel Alignment-Frame & Axle Svc-Auto 7622-02 Television & Radio-Service/Repair 7629-02 Appliances-Household-Major-Repairing 7699-04 Taxidermists 7699-62 Locks & Locksmiths 7699-62 Locks & Locksmiths 7699-62 Locks & Locksmiths 7601 Collection Agencies 7841-02 Video Tapes & Discs-Renting & Leasing 7846 (636) 75528 (603) 75528 (603) 75528 (603) 75528 (603) 75528 (603) 75528 (603) 75528 (603) 75528 (603) 75528 (7040) 75528 (7050) 7	7311-01 Advertising-Agencies & Counselors					
7335-01 Photographers-Commercial 7514-01 Automobile Renting & Leasing 7538-01 Automobile Repairing & Service 7539-03 Wheel Alignment-Frame & Axle Svc-Auto 7622-02 Television & Radio-Service/Repair 7629-02 Appliances-Household-Major-Repairing 7699-04 Taxidermists 7699-62 Locks & Locksmiths 7699-62 Locks & Locksmiths 7699-62 Locks & Locksmiths 7641-02 Video Tapes & Discs-Renting & Leasing 7538-01 Automobile Renting & Leasing 7528 (603) 2857 (506) 2857 (506) 4796 (766) 6954 (1041) 9330 (1285) 1373 (324) 1784 (321) 2205 (330) 3216 (579) 4743 (794) 6590 (982) 20971 (2157) 16861 (1251) 3280 (876) 6697 (1400) 11027 (1770) 16271 (1955) 7699-62 Locks & Locksmiths 7619 (813) 11194 (1189) 15005 (1480)	7322-01 Collection Agencies					
7514-01 Automobile Renting & Leasing 7538-01 Automobile Repairing & Service 7539-03 Wheel Alignment-Frame & Axle Svc-Auto 7622-02 Television & Radio-Service/Repair 7629-02 Appliances-Household-Major-Repairing 7692-03 Welding 7699-04 Taxidermists 7699-62 Locks & Locksmiths 7841-02 Video Tapes & Discs-Renting & Leasing 7801-01 Health (2012) 8257 (506) 4796 (766) 6954 (1041) 9330 (1285) 2205 (330) 1220	7335-01 Photographers-Commercial					
7538-01 Automobile Repairing & Service 972 (340) 1373 (324) 1784 (321) 2205 (330) 7539-03 Wheel Alignment-Frame & Axle Svc-Auto 7622-02 Television & Radio-Service/Repair 4274 (860) 8239 (1456) 13805 (1891) 20971 (2157) 7629-02 Appliances-Household-Major-Repairing 7692-03 Welding 2378 (454) 4554 (537) 6848 (690) 9260 (857) 7699-04 Taxidermists 3280 (876) 6697 (1400) 11027 (1770) 16271 (1955) 7699-62 Locks & Locksmiths 6077 (838) 12528 (1338) 20424 (1629) 29764 (1765) 7821-02 Video Tapes & Discs-Renting & Leasing 4281 (524) 7619 (853) 11194 (1189) 15005 (1480)	7514-01 Automobile Renting & Leasing					
7639-03 Wheel Alignment-Frame & Axle Svc-Auto 7622-02 Television & Radio-Service/Repair 7629-02 Appliances-Household-Major-Repairing 7692-03 Welding 7699-04 Taxidermists 7699-62 Locks & Locksmiths 7641-02 Video Tapes & Discs-Renting & Leasing 7639-03 Wheel Alignment-Frame & Axle Svc-Auto 2010 (374) 3216 (579) 4743 (794) 6590 (982) 20971 (2157) 12587 (1009) 12587 (100	7538-01 Automobile Repairing & Service	972 (340)				
7622-02 Television & Radio-Service/Repair     4274 (860)     8239 (1456)     13805 (1891)     20971 (2157)       7629-02 Appliances-Household-Major-Repairing     4428 (499)     8443 (740)     12587 (1009)     16861 (1251)       7699-04 Taxidermists     3280 (876)     6697 (1400)     11027 (1770)     16271 (1955)       7699-62 Locks & Locksmiths     6077 (838)     12528 (1338)     20424 (1629)     29764 (1765)       7841-02 Video Tapes & Discs-Renting & Leasing     4281 (524)     7619 (853)     11194 (1189)     15005 (1480)	7539-03 Wheel Alignment-Frame & Axle Svc-Auto	2010 (374)	• • •			
7629-02 Appliances-Household-Major-Repairing 7692-03 Welding 2378 (454) 4554 (537) 6848 (690) 9260 (857) 7699-04 Taxidermists 3280 (876) 6697 (1400) 11027 (1770) 16271 (1955) 7699-62 Locks & Locksmiths 7841-02 Video Tapes & Discs-Renting & Leasing 4281 (524) 7619 (853) 11194 (1189) 15005 (1480)	7622-02 Television & Radio-Service/Repair	4274 (860)	` /			
7692-03 Welding 7699-04 Taxidermists 7699-62 Locks & Locksmiths 7841-02 Video Tapes & Discs-Renting & Leasing 7691-03 Welding 2378 (454) 4554 (537) 6848 (690) 9260 (857) 11027 (1770) 16271 (1955) 12528 (1338) 20424 (1629) 29764 (1765) 12528 (1338) 11194 (1189) 15005 (1480)	7629-02 Appliances-Household-Major-Repairing	4428 (499)				
7699-04 Taxidermists 3280 (876) 6697 (1400) 11027 (1770) 16271 (1955) 6077 (838) 12528 (1338) 20424 (1629) 29764 (1765) 7841-02 Video Tapes & Discs-Renting & Leasing 4281 (524) 7619 (853) 11194 (1189) 15005 (1480)		2378 (454)				
7699-62 Locks & Locksmiths 6077 (838) 12528 (1338) 20424 (1629) 29764 (1765) 7841-02 Video Tapes & Discs-Renting & Leasing 4281 (524) 7619 (853) 11194 (1189) 15005 (1480)						
7841-02 Video Tapes & Discs-Renting & Leasing 4281 (524) 7619 (853) 11194 (1189) 15005 (1480)						
	7841-02 Video Tapes & Discs-Renting & Leasing		7619 (853)			
7000 04 (7) 1	7991-01 Health Clubs Studios & Gymnasiums	8304 (801)	15479 (1309)	22099 ( 1770)	28164 ( 2134)	
(999-64 Skiing Bailinmont Donto)	1999-04 Skiing Equipment-Rental	11173 (843)	20170 (1395)		34716 ( 2224)	

Quadratic Fit Predictions con't

SIC CODE	T - 1			
	L	2	3	4
7999-68 Stables	11958 (1472)	20120 (2414)	26010 (3062)	29630 ( 3452)
8021-01 Dentists	1279 (213)	2102 (208)	2933 (215)	
8041-01 Chiropractors DC	1952 (397)	, ,	·	
8051-01 Nursing & Convalescent Homes	. ,	3409 (468)	4976 (596)	6653 ( 737)
2001-01 Nuising & Convarescent Homes	2946 (498)	6872 (761)	11978 (1015)	18264 ( 1213)
8059-04 Retirement Communities & Homes	4577 (720)	8600 (1187)	13058 (1592)	17951 ( 1888)
8351-01 Child Care Service	2085 (359)	3495 (426)	4955 (543)	6466 ( 674)
8412-01 Museums	3900 (1048)	10106 (1568)	` ,	
8711-10 Engineers-Civil	, ,	` /	19704 (1854)	32693 ( 2382)
· · · · · · · · · · · · · · · · · · ·	12142 (1053)	21858 (1744)	29707 (2223)	35688 ( 2474)
8711-15 Engineers-Electrical	22796 (3080)	38088 (3914)	47797 (3775)	51924 ( 6653)
8713-01 Surveyors-Land	7802 (839)	14698 (1347)	20765 (1788)	26005 ( 2106)
8731-11 Environmental & Ecological Services	1291 (276)	1705 (269)	` ,	. ()
	1201 (210)	1100 (209)	2123 (269)	2543 (274)

Predicted Populations and Std. Errors for Businesses Fit With Linear Model

Predicted Populations and Std. Errors for Businesses Fit With Linear Model					
SIC CODE	1	2	3	4	
0781-03 Landscape Designers	9209 (644)	16673 (952)	24137 (1343)	31601 (1762)	
1521-05 Home Improvements	5547 (487)	9665 (558)	13784 (684)	17902 (840)	
1521-12 Home Builders	3239 (587)	5213 (593)	7187 (624)	9161 (679)	
4724-01 Tourist Information	12689 (2170)	22611 (4268)	32533 (6438)	42455 (8626)	
5331-01 Variety Stores	8934 ( 973 )	17412 (1727)	25890 (2620 )	34368 (3550 )	
5461-05 Doughnuts	18343 ( 1575 )	34766 (3065 )	51188 (4616 )	67610 (6182 )	
5531-23 Tire Dealers-Retail	2006 ( 285 )	4460 (281 )	6913 (292 )	9367 (316)	
5551-04 Boat Dealers	6164 (628 )	11295 (793)	16426 ( 1054 )	21557 (1357)	
5599-04 Snowmobiles	5709 ( 795 )	10404 (1046)	15099 ( 1438 )	19794 (1887)	
5611-01 Men's Clothing & Furnishings-Retail	5715 ( 385 )	10621 (453)	15527 ( 572 )	20433 (717)	
5632-10 Lingerie	19776 ( 1025 )	37823 (1949)	55870 ( 2922 )	73917 (3907)	
5641-03 Childrens & Infants Wear-Retail	15337 ( 1098 )	29487 (2079)	43637 (3132)	57787 (4205)	
5712-16 Furniture-Dealers-Retail	2856 ( 539 )	5094 (541)	7332 ( 571 )	9570 (627)	
5713-05 Carpet & Rug Dealers-New	3126 (537)	6137 (550 )	9148 (613)	12159 (713)	
5722-02 Appliances-Household-Major-Dealers	4680 (634 )	9206 (742 )	13733 ( 958 )	18259 (1225)	
5722-16 Vacuum Cleaners-Household-Dealers	6962 (516)	13212 ( 681 )	19463 ( 928 )	25714 (1208 )	
5731-07 Satellite Equipment & Systems-Retail	6920 (661)	13620 ( 936 )	20319 (1332)	27018 (1770 )	
5734-01 Computer Software	4349 (473 )	7452 ( 503 )	10554 ( 571 )	13657 (667)	
5813-01 Bars	-253 (468)	1178 ( 448 )	2610 (436)	4041 (433)	
5932-05 Clothing-Used	8382 (631)	15300 (904)	22218 ( 1264 )	29136 (1656)	
5941-29 Guns & Gunsmiths	3940 (543)	7281 ( 578 )	10622 ( 669 )	13962 ( 798 )	
5941-41 Bicycles-Dealers	7673 ( 484 )	14492 ( 660 )	21312 (911)	28131 (1189 )	
5992-01 Florists-Retail	2325 ( 607 )	5746 (`611 )	9167 ( 695 )	12587 (836 )	
6411-12 Insurance	667 ( 212 )	1030 (210 )	1392 ( 208 )	1754 (207)	
6531-08 Real Estate Management	4584 ( 385 )	7987 (413)	11391 ( 475 )	14794 (559)	
6552-02 Real Estate Developers	8461 ( 698 )	15764 ( 1041 )	23067 (`1486´)	30370 (1965)	
7033-02 Recreational Vehicle Parks	6079 (830)	11497 ( 1183 )	16915 ( 1701 )	22333 (2273 )	
7299-17 Massage Therapists	3861 (489)	6849 (512)	9837 ( 574 )	12825 (665 )	
7311-07 Advertising-Shoppers' Guides	11502 ( 1656 )	20487 (3158)	29472 ( 4750 )	38458 (6365)	
7359-39 Aircraft Charter Rental & Leasing Svc	8742 ( 986 )	16492 ( 1699 )	24242 ( 2547 )	31992 (3433 )	
7538-02 Automobile Machine Shop Service	10710 ( 706 )	20270 ( 1157 )	29829 ( 1695 )	39389 (2257 )	
7542-03 Automobile Detail & Clean-Up Service	7870 ( 445 )	14570 ( 602 )	21270 ( 821 )	27970 (1066 )	
7542-05 Car Washing-Coin Operated	10789 ( 1374 )	18936 ( 2480 )	27083 (`3683´)	35230 (4913 )	
7623-02 Refrigerators & Freezers-Service/Repair	10665 ( 540 )	20374 ( 862 )	30084 (1253 )	39793 (1665 )	
7699-42 Farm Equipment-Repairing & Parts	7991 ( 1242 )	14466 ( 2342 )	20941 (3590)	27416 (4875 )	
7699-67 Motorcycles & Scooters-Rpr & Svc	9152 ( 576 )	17152 ( 860 )	25151 ( 1225 )	33151 (1616 )	
7699-74 Bicycles-Repairing	12243 ( 793 )	23217 ( 1372 )	34191 ( 2032 )	45165 (2714)	
7812-11 Video Production & Taping Service	7697 (545)	14025 (736)	20353 ( 1004 )	26681 (1302 )	
7993-02 Casinos	2450 ( 220 )	4336 (218)	6222 ( 223 )	8109 ( 234)	
7997-06 Golf Courses-Private	22436 ( 1143 )	43313 ( 2223 )	64190 ( 3345 )	85067 (4478)	
8011-01 Physicians & Surgeons	1197 ( 233 )	1458 ( 232 )	1719 ( 231 )	1981 ( 230)	
8042-01 Optometrists OD	2543 ( 276 )	5379 ( 277 )	8214 ( 296 )	11050 (330)	
8049-11 Occupational Therapists	12943(1075)	24252(1953)	35561 (2918)	46870 (3905)	
8111-03 Attorneys	1076 ( 296 )	1312 ( 294 )	1548 ( 293 )	1785 ( 291)	
8322-15 Marriage & Family Counselors	1802 (443)	2432 (438)	3062 (435)	3692 (434)	
8711-20 Engineers-Environmental	6383 (526)	11164 (639)	15944 (818)	20725 (1028)	
8712-02 Architects	3261 (443)	5214 (446)	7167 (465)	9121 (499)	

## APPENDIX B

Businesses For Which Information was Insufficient For Modelling

SIC Code and Business Name	SIC Code and Business Name
4119-01 Handicapped Transportation Service	*· · · · · · · · · · · · · · · · · · ·
4121-01 Taxicabs & Transportation Service	4119-02 Ambulance Service
4971-02 Irrigation Companies	4512-98 Air Transportation-Scheduled
5211-38 Home Centers	5211-36 Energy Conservation Prods-Retail
5499-20 Gourmet Shops	5311-04 Discount Stores
5611-04 Army & Navy Goods	5531-29 Automobile Accessories
5699-06 Dressmakers	5699-04 Dancing Supplies
	5699-11 Riding Apparel & Equipment
5731-12 Video Games	5812-28 Coffee Shops
5912-02 Health Care Products	5932-22 Thrift Shops
5932-26 Second Hand Stores	5941-15 Skiing Equipment-Retail
5941-32 Fishing Tackle-Repairing & Parts	5941-33 Fishing Bait
5941-51 Outfitters	5943-05 Stationers-Retail
5945-20 Crafts	5947-15 Souvenirs-Retail
5994-02 Magazines-Dealers	5999-29 Pet Supplies & Foods-Retail
6411-09 Insurance-Life (Agents)	7213-02 Linen Supply Service
7299-10 Hair Removing	7299-24 Credit & Debt Counseling Services
7299-26 Dating Services	7299-44 Tanning Salons
7373-02 Computers-Equipment Installation	7533-01 Mufflers & Exhaust Systems-Engine
7537-01 Transmissions-Automobile	7538-14 Four Wheel Drive-Repairing & Service
7539-01 Automobile Radiator Repairing	7549-03 Automobile Lubrication Service
7629-01 Appliances-Household-Small-Repairing	7911-01 Dancing Instruction
7999-09 Bicycles-Renting	7999-29 Golf Courses-Miniature
8999-03 Writers	100 20 Compon Milliandie

## APPENDIX C

Cities and 1996 Population Estimates

Alberton   396	City		and 1990 Population			
Baker   1755		Population		Population	City	Population
Belt		1		i i		166
Billings				1	_	4846
Bridger   S07   Broadus   532   Broadriew   190   Brocton   363   Browning   1220   Butte   34051   Cascade   750   Chester   952   Chimook   1586   Choteau   1791   Circle   727   Clyde Park   337   Colombia Falls   3922   Columbus   1897   Conrad   2873   Culbertson   819   CutBank   3508   Darby   851   Deer Lodge   3782   Denton   373   Dillon   4382   Dodson   132   Drummond   270   Dutton   396   East Helena   1720   Ekalaka   433   Ennis   1000   Eureka   1108   Fairfield   842   Flaxville   83   Forsyth   2141   Fort Benton   1660   Fort Peck   226   Froid   193   Fromberg   370   Geraldine   296   Glasgow   3656   Glendive   4557   Hamilton   4059   Hardin   3225   Harlem   976   Harlowtown   1127   Havre   10232   Helena   27982   Hingham   178   Hobson   227   Hot Springs   464   Hysham   360   Jordan   445   Judith Gap   146   Kalispell   15678   Kevin   177   Laurel   6125   Lavina   165   Libby   2701   Lima   278   Livingston   5380   Melstone   190   Mahatten   1380   Medicine Lake   328   Melstone   190   Mahatten   1380   Melsind   145   Poplar   920   Red Lodge   2204   Rexford   145   Revision   145   Poplar   920   Red Lodge   2204   Rexford   145   Revision   145   Poplar   920   Red Lodge   2204   Rexford   145   Revision   145   Poplar   920   Red Lodge   2204   Rexford   145   Revision   145   Poplar   920   Red Lodge   2204   Rexford   145   Revision   145   Revision   145   Poplar   145   Popla	1		1 •	· ·		1698
Brocton   363   Browning   1220   Butte   34051   Cascade   750   Chester   952   Chinook   1586   Choteau   1791   Circle   727   Clyde Park   337   Culbertson   819   CutBank   3508   Darby   851   Deer Lodge   3782   Denton   373   Dillon   4382   Dodson   132   Drummond   270   Dutton   396   East Helena   1720   Ekalaka   433   Ennis   1000   Eureka   1108   Fairfield   842   Fairview   842   Flaxville   83   Forsyth   2141   Fort Benton   1660   Fort Peek   226   Froid   193   Fromberg   370   Geraldine   296   Glasgow   3666   Glendive   4557   Grass Range   169   Great Falls   55125   Hamilton   4059   Hardin   3225   Harlem   976   Harlowtown   1127   Havre   10232   Helena   27982   Hingham   178   Hobson   227   Hot Springs   464   Hysham   360   Libby   2701   Lima   278   Liwingston   4580   Libby   2701   Lima   278   Liwingston   4580   Medicine Lake   328   Melstone   190   Mashua   381   Neihart   53   Opheim   145   Outlook   100   Philipsburg   940   Pinesdale   983   Plains   1201   Storey   1031   Stanford   533   Stanford   533   Stanford   533   Stanford   533   White Sulphur Springs   964   Whitefish   Wibaux   605   Winifred   216   Winnet   190   Westby   234   White Sulphur Springs   964   Whitefish   Wibaux   605   Winifred   216   Winnet   190   Westby   234   White Sulphur Springs   964   Whitefish   5793   Whitefall   1326   Winnet   190   Winnet   190   Pinestale   100   Pinest	_			1	1	28522
Cascade         750         Chester         952         Chinook         1586           Choteau         1791         Circle         727         Clyde Park         337           Colombia Falls         3922         Columbus         1897         Cornad         2873           Culbertson         819         CutBank         3508         Darby         851           Deer Lodge         3782         Denton         373         Dillon         4382           Dodson         132         Drummond         270         Dutton         396           East Helena         1720         Ekalaka         433         Ennis         100           Eureka         1108         Fairfield         842         Fairview         842           Flaxville         83         Forsyth         2141         Fort Benton         1660           Fort Peck         226         Froid         193         Fromberg         370           Geraldine         296         Glasgow         3666         Glendive         4557           Grass Range         169         Great Falls         55125         Hamilton         4059           Hardin         3225         Harlem         976 <td< td=""><td>1</td><td></td><td>1</td><td></td><td>Broadview</td><td>190</td></td<>	1		1		Broadview	190
Choteau         1791         Circle         727         Clyde Park         337           Colombia Falls         3922         Columbus         1897         Conrad         2873           Culbertson         819         CutBank         3508         Darby         851           Deer Lodge         3782         Denton         373         Dillon         4382           Dodson         132         Drummond         270         Dutton         396           East Helena         1720         Ekalaka         433         Ennis         1000           Eureka         1108         Fairfield         842         Fairview         842           Flaxville         83         Forsyth         2141         Fort Benton         1660           Fort Peck         226         Froid         193         Fromberg         370           Geraldine         296         Glasgow         3656         Glendive         4557           Grass Range         169         Great Falls         55125         Hamilton         4059           Havre         10232         Helena         27982         Hingham         178           Hot Springs         464         Hysham         360 </td <td></td> <td>1</td> <td></td> <td>1</td> <td>Butte</td> <td>34051</td>		1		1	Butte	34051
Colombia Falls   3922   Columbius   1387   Conrad   2873	1			1	Chinook	1586
Culbertson         819         CutBank         3508         Darby         851           Deer Lodge         3782         Denton         373         Dillon         4382           Dodson         132         Drummond         270         Dutton         396           East Helena         1720         Ekalaka         433         Ennis         1000           East Helena         1720         Ekalaka         433         Ennis         1000           Fort Peck         26         Froid         193         Fort Benton         1660           Fort Peek         226         Froid         193         Fromberg         370           Gealdine         296         Glasgow         3656         Glendive         4557           Grass Range         169         Great Falls         55125         Hamilton         4059           Havre         10232         Helena         27982         Harlowtown         1127           Havre         10232         Helena         27982         Harlowtown         1127           Havre         10232         Hot Springs         464         Hysham         360           Judith Gap         146         Kalispell         15678		1	1	727	Clyde Park	337
Deer Lodge				1897	Conrad	2873
Dodson		1		3508	Darby	851
East Helena         1720         Ekalaka         433         Ennis         1000           Eureka         1108         Fairfield         842         Fairview         842           Flaxville         83         Forsyth         2141         Fort Benton         1660           Fort Peck         226         Froid         193         Fromberg         370           Geraldine         296         Glasgow         3656         Glendive         4557           Grass Range         169         Great Falls         55125         Hamilton         4059           Hardin         3225         Harlem         976         Harlowtown         1127           Haver         10232         Helena         27982         Hingham         178           Hobson         227         Hot Springs         464         Hysham         360           Ismay         20         Joliet         613         Jordan         445           Judith Gap         146         Kalispell         15678         Kevin         177           Laurel         6125         Lavina         165         Lewistown         6380           Libby         2701         Lima         278         Livingston<				373	Dillon	4382
Eureka         1108         Fairfield         842         Fairview         842           Flaxville         83         Forsyth         2141         Fort Benton         1660           Fort Peck         226         Froid         193         Fromberg         370           Geraldine         296         Glasgow         3656         Glendive         4557           Grass Range         169         Great Falls         55125         Hamilton         4059           Hardin         3225         Harlem         976         Harlowtown         1127           Havre         10232         Helena         27982         Hingham         178           Hobson         227         Hot Springs         464         Hysham         360           Ismay         20         Joliet         613         Jordan         445           Judith Gap         146         Kalispell         15678         Kevin         177           Laurel         6125         Lavina         165         Lewistown         6380           Libby         2701         Lima         278         Livingston         7509           Lodge Grass         559         Malta         2303         Manhatte	· ·	1	1	270	Dutton	396
Flaxville				433	Ennis	1000
Fort Peck         226         Froid         193         Fromberg         370           Geraldine         296         Glasgow         3656         Glendive         4557           Grass Range         169         Great Falls         55125         Hamilton         4059           Hardin         3225         Harlem         976         Harlowtown         1127           Havre         10232         Helena         27982         Hingham         178           Hobson         227         Hot Springs         464         Hysham         360           Ismay         20         Joliet         613         Jordan         445           Judith Gap         146         Kalispell         15678         Kevin         177           Laurel         6125         Lavina         165         Lewistown         6380           Libby         2701         Lima         278         Livingston         7509           Lodge Grass         559         Malta         2303         Manhatten         1380           Medicine Lake         328         Melstone         190         Miles City         8882           Missoula         51204         Moore         220         Nas	1	í	I .	842	Fairview	842
Geraldine         296         Glasgow         3656         Glendive         4557           Grass Range         169         Great Falls         55125         Hamilton         4059           Hardin         3225         Harlem         976         Harlowtown         1127           Hobson         227         Hot Springs         464         Hysham         360           Ismay         20         Joliet         613         Jordan         445           Judith Gap         146         Kalispell         15678         Kevin         177           Laurel         6125         Lavina         165         Lewistown         6380           Libby         2701         Lima         278         Livingston         7509           Lodge Grass         559         Malta         2303         Manhatten         1380           Medicine Lake         328         Melstone         190         Miles City         8882           Missoula         51204         Moore         220         Nashua         381           Neihart         53         Opheim         145         Outlook         100           Philipsburg         940         Pinesdale         983         Pl	T .		_	2141	Fort Benton	1660
Grass Range         169         Great Falls         55125         Hamilton         4059           Hardin         3225         Harlem         976         Harlowtown         1127           Hobson         227         Hot Springs         464         Hysham         360           Ismay         20         Joliet         613         Jordan         445           Judith Gap         146         Kalispell         15678         Kevin         177           Laurel         6125         Lavina         165         Lewistown         6380           Libby         2701         Lima         278         Livingston         7509           Lodge Grass         559         Malta         2303         Manhatten         1380           Medicine Lake         328         Melstone         190         Miles City         8882           Missoula         51204         Moore         220         Nashua         381           Neihart         53         Opheim         145         Outlook         100           Philipsburg         940         Pinesdale         983         Plains         1201           Plentywood         1989         Plevna         133         Pols		į.	Froid	193	Fromberg	370
Hardin   3225   Harlem   976   Harlowtown   1127				3656	Glendive	4557
Havre	<u> </u>	i		55125	Hamilton	4059
Hobson	I :		]	976	Harlowtown	1127
Ismay			$\operatorname{Helena}$	27982	Hingham	
Judith Gap         146         Kalispell         15678         Kevin         177           Laurel         6125         Lavina         165         Lewistown         6380           Libby         2701         Lima         278         Livingston         7509           Lodge Grass         559         Malta         2303         Manhatten         1380           Medicine Lake         328         Melstone         190         Miles City         8882           Missoula         51204         Moore         220         Nashua         381           Neihart         53         Opheim         145         Outlook         100           Philipsburg         940         Pinesdale         983         Plains         1201           Plentywood         1989         Plevna         133         Polson         4316           Poplar         920         Red Lodge         2204         Rexford         145           Richey         245         Ronan         1877         Roundup         2049           Ryegate         283         Saco         247         Scobey         1101           Shelby         2704         Sheridan         723         Sidney			Hot Springs	464	Hysham	360
Laurel         6125         Lavina         165         Lewistown         6380           Libby         2701         Lima         278         Livingston         7509           Lodge Grass         559         Malta         2303         Manhatten         1380           Medicine Lake         328         Melstone         190         Miles City         8882           Missoula         51204         Moore         220         Nashua         381           Neihart         53         Opheim         145         Outlook         100           Philipsburg         940         Pinesdale         983         Plains         1201           Plentywood         1989         Plevna         133         Polson         4316           Poplar         920         Red Lodge         2204         Rexford         145           Richey         245         Ronan         1877         Roundup         2049           Ryegate         283         Saco         247         Scobey         1101           Shelby         2704         Sheridan         723         Sidney         4971           St Ignatius         913         Stanford         533         Stevensville	· ·		Joliet	613	Jordan	445
Libby         2701         Lima         278         Livingston         7509           Lodge Grass         559         Malta         2303         Manhatten         1380           Medicine Lake         328         Melstone         190         Miles City         8882           Missoula         51204         Moore         220         Nashua         381           Neihart         53         Opheim         145         Outlook         100           Philipsburg         940         Pinesdale         983         Plains         1201           Plentywood         1989         Plevna         133         Polson         4316           Poplar         920         Red Lodge         2204         Rexford         145           Richey         245         Ronan         1877         Roundup         2049           Ryegate         283         Saco         247         Scobey         1101           Shelby         2704         Sheridan         723         Sidney         4971           St Ignatius         913         Stanford         533         Stevensville         1965           Sunburst         422         Superior         978         Terry	1 ~ 1		Kalispell	15678	Kevin	177
Lodge Grass         559         Malta         2303         Manhatten         1380           Medicine Lake         328         Melstone         190         Miles City         8882           Missoula         51204         Moore         220         Nashua         381           Neihart         53         Opheim         145         Outlook         100           Philipsburg         940         Pinesdale         983         Plains         1201           Plentywood         1989         Plevna         133         Polson         4316           Poplar         920         Red Lodge         2204         Rexford         145           Richey         245         Ronan         1877         Roundup         2049           Ryegate         283         Saco         247         Scobey         1101           Shelby         2704         Sheridan         723         Sidney         4971           St Ignatius         913         Stanford         533         Stevensville         1965           Sunburst         422         Superior         978         Terry         665           Three Forks         1481         Townsend         2004			i	165	Lewistown	6380
Lodge Grass   S59   Malta   2303   Manhatten   1380     Medicine Lake   328   Melstone   190   Miles City   8882     Missoula   51204   Moore   220   Nashua   381     Neihart   53   Opheim   145   Outlook   100     Philipsburg   940   Pinesdale   983   Plains   1201     Plentywood   1989   Plevna   133   Polson   4316     Poplar   920   Red Lodge   2204   Rexford   145     Richey   245   Ronan   1877   Roundup   2049     Ryegate   283   Saco   247   Scobey   1101     Shelby   2704   Sheridan   723   Sidney   4971     St Ignatius   913   Stanford   533   Stevensville   1965     Sunburst   422   Superior   978   Terry   665     Thompson Falls   1540   Three Forks   1481   Townsend   2004     Troy   1031   Twin Bridges   421   Valier   532     Wirginia City   158   West Yellowstone   1069   Westby   234     White Sulphur Springs   964   Whitefish   5793   Whitehall   1326     Wibaux   605   Winifred   216   Winnet   190	· · ·			278	Livingston	7509
Medicine Lake         328         Melstone         190         Miles City         8882           Missoula         51204         Moore         220         Nashua         381           Neihart         53         Opheim         145         Outlook         100           Philipsburg         940         Pinesdale         983         Plains         1201           Plentywood         1989         Plevna         133         Polson         4316           Poplar         920         Red Lodge         2204         Rexford         145           Richey         245         Ronan         1877         Roundup         2049           Ryegate         283         Saco         247         Scobey         1101           Shelby         2704         Sheridan         723         Sidney         4971           St Ignatius         913         Stanford         533         Stevensville         1965           Sunburst         422         Superior         978         Terry         665           Thompson Falls         1540         Three Forks         1481         Townsend         2004           Virginia City         158         West Yellowstone         1069				2303	Manhatten	I
Missoula         51204         Moore         220         Nashua         381           Neihart         53         Opheim         145         Outlook         100           Philipsburg         940         Pinesdale         983         Plains         1201           Plentywood         1989         Plevna         133         Polson         4316           Poplar         920         Red Lodge         2204         Rexford         145           Richey         245         Ronan         1877         Roundup         2049           Ryegate         283         Saco         247         Scobey         1101           Shelby         2704         Sheridan         723         Sidney         4971           St Ignatius         913         Stanford         533         Stevensville         1965           Sunburst         422         Superior         978         Terry         665           Thompson Falls         1540         Three Forks         1481         Townsend         2004           Troy         1031         Twin Bridges         421         Valier         532           Virginia City         158         West Yellowstone         1069         <	1		${f Melstone}$	190	Miles City	
Neihart         53         Opheim         145         Outlook         100           Philipsburg         940         Pinesdale         983         Plains         1201           Plentywood         1989         Plevna         133         Polson         4316           Poplar         920         Red Lodge         2204         Rexford         145           Richey         245         Ronan         1877         Roundup         2049           Ryegate         283         Saco         247         Scobey         1101           Shelby         2704         Sheridan         723         Sidney         4971           St Ignatius         913         Stanford         533         Stevensville         1965           Sunburst         422         Superior         978         Terry         665           Thompson Falls         1540         Three Forks         1481         Townsend         2004           Troy         1031         Twin Bridges         421         Valier         532           Virginia City         158         West Yellowstone         1069         Westby         234           White Sulphur Springs         964         Whitefish         579	1		Moore	220	•	
Philipsburg         940         Pinesdale         983         Plains         1201           Plentywood         1989         Plevna         133         Polson         4316           Poplar         920         Red Lodge         2204         Rexford         145           Richey         245         Ronan         1877         Roundup         2049           Ryegate         283         Saco         247         Scobey         1101           Shelby         2704         Sheridan         723         Sidney         4971           St Ignatius         913         Stanford         533         Stevensville         1965           Sunburst         422         Superior         978         Terry         665           Thompson Falls         1540         Three Forks         1481         Townsend         2004           Troy         1031         Twin Bridges         421         Valier         532           Virginia City         158         West Yellowstone         1069         Westby         234           White Sulphur Springs         964         Whitefish         5793         Whitehall         1326           Wibaux         605         Winifred         <	i I		Opheim	145	Outlook	
Plentywood         1989         Plevna         133         Polson         4316           Poplar         920         Red Lodge         2204         Rexford         145           Richey         245         Ronan         1877         Roundup         2049           Ryegate         283         Saco         247         Scobey         1101           Shelby         2704         Sheridan         723         Sidney         4971           St Ignatius         913         Stanford         533         Stevensville         1965           Sunburst         422         Superior         978         Terry         665           Thompson Falls         1540         Three Forks         1481         Townsend         2004           Troy         1031         Twin Bridges         421         Valier         532           Virginia City         158         West Yellowstone         1069         Westby         234           White Sulphur Springs         964         Whitefish         5793         Whitehall         1326           Wibaux         605         Winifred         216         Winnet         190			Pinesdale	983	Plains	
Poplar         920         Red Lodge         2204         Rexford         145           Richey         245         Ronan         1877         Roundup         2049           Ryegate         283         Saco         247         Scobey         1101           Shelby         2704         Sheridan         723         Sidney         4971           St Ignatius         913         Stanford         533         Stevensville         1965           Sunburst         422         Superior         978         Terry         665           Thompson Falls         1540         Three Forks         1481         Townsend         2004           Troy         1031         Twin Bridges         421         Valier         532           Virginia City         158         West Yellowstone         1069         Westby         234           White Sulphur Springs         964         Whitefish         5793         Whitehall         1326           Wibaux         605         Winifred         216         Winnet         190	1		Plevna	133		1
Richey         245         Ronan         1877         Roundup         2049           Ryegate         283         Saco         247         Scobey         1101           Shelby         2704         Sheridan         723         Sidney         4971           St Ignatius         913         Stanford         533         Stevensville         1965           Sunburst         422         Superior         978         Terry         665           Thompson Falls         1540         Three Forks         1481         Townsend         2004           Troy         1031         Twin Bridges         421         Valier         532           Virginia City         158         West Yellowstone         1069         Westby         234           White Sulphur Springs         964         Whitefish         5793         Whitehall         1326           Wibaux         605         Winifred         216         Winnet         190			Red Lodge	2204	Rexford	1
Ryegate         283         Saco         247         Scobey         1101           Shelby         2704         Sheridan         723         Sidney         4971           St Ignatius         913         Stanford         533         Stevensville         1965           Sunburst         422         Superior         978         Terry         665           Thompson Falls         1540         Three Forks         1481         Townsend         2004           Troy         1031         Twin Bridges         421         Valier         532           Virginia City         158         West Yellowstone         1069         Westby         234           White Sulphur Springs         964         Whitefish         5793         Whitehall         1326           Wibaux         605         Winifred         216         Winnet         190				1877	Roundup	
Shelby         2704         Sheridan         723         Sidney         4971           St Ignatius         913         Stanford         533         Stevensville         1965           Sunburst         422         Superior         978         Terry         665           Thompson Falls         1540         Three Forks         1481         Townsend         2004           Troy         1031         Twin Bridges         421         Valier         532           Virginia City         158         West Yellowstone         1069         Westby         234           White Sulphur Springs         964         Whitefish         5793         Whitehall         1326           Wibaux         605         Winifred         216         Winnet         190	, ,	1	Saco	247	Scobey	I
St Ignatius         913         Stanford         533         Stevensville         1965           Sunburst         422         Superior         978         Terry         665           Thompson Falls         1540         Three Forks         1481         Townsend         2004           Troy         1031         Twin Bridges         421         Valier         532           Virginia City         158         West Yellowstone         1069         Westby         234           White Sulphur Springs         964         Whitefish         5793         Whitehall         1326           Wibaux         605         Winifred         216         Winnet         190	, v	i i	Sheridan	723		
Sunburst         422 Thompson Falls         Superior Thompson Falls         978 Three Forks         Terry Townsend         665 Three Forks           Troy         1031 Twin Bridges         421 Valier         532 Valier           Virginia City         158 West Yellowstone         1069 Westby         234 White Sulphur Springs           Wibaux         964 Whitefish         5793 Whitehall         1326 Winnet           Wibaux         605 Winifred         216 Winnet         190		1	$\operatorname{Stanford}$	533	- 1	
Thompson Falls         1540         Three Forks         1481         Townsend         2004           Troy         1031         Twin Bridges         421         Valier         532           Virginia City         158         West Yellowstone         1069         Westby         234           White Sulphur Springs         964         Whitefish         5793         Whitehall         1326           Wibaux         605         Winifred         216         Winnet         190			Superior	978		
Troy         1031         Twin Bridges         421         Valier         532           Virginia City         158         West Yellowstone         1069         Westby         234           White Sulphur Springs         964         Whitefish         5793         Whitehall         1326           Wibaux         605         Winifred         216         Winnet         190	_		Three Forks	1481	*	
Virginia City         158         West Yellowstone         1069         Westby         234           White Sulphur Springs         964         Whitefish         5793         Whitehall         1326           Wibaux         605         Winifred         216         Winnet         190		1	9	421		i
White Sulphur Springs 964 Whitefish 5793 Whitehall 1326 Wibaux 605 Winifred 216 Winnet 190			West Yellowstone	1069		<b>I</b>
Wibaux 605 Winifred 216 Winnet 190		1	Whitefish	5793	,	1
	i	605	Winifred		1	i i
	Wolf Point	2874				100