

# Completion Study for the Class of 96

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Minnesota Department of Children, Families & Learning  
Office of Information Technologies  
Data Management

## Longitudinal Study of MARSS Data

### Introduction

The Minnesota Department of Children, Families & Learning collects detailed data on students served by Minnesota school districts through the Minnesota Automated Reporting Student System (MARSS). The Department has collected student attendance, demographic, and migration data over the past five years. The central premise of MARSS is based on assigning each student a unique identification number (referred to as the STATE REPORTING NUMBER) which follows the student from year to year and from school to school. This unique statewide number may now be used in conjunction with five years of MARSS data to begin tracking groups of students during their education in Minnesota public schools.

### MARSS Data Elements

The MARSS system currently collects 32 different pieces of information on each student including gender, ethnicity, and birth date. It also collects each student's start and end dates while served by a school, where the student came from, and why the student left. Three of these items, the STATUS END DATE (when the record stopped), the STATUS END CODE (why the record stopped), and the student's STATE REPORTING NUMBER can be used to follow students from year to year.

The status end codes have been defined by the Department and currently include 33 reasons why a student record was stopped. The reasons are grouped into five categories:

- The student *transferred* to another educational program outside Minnesota public schools,
- The student *continued* within the Minnesota public school system,
- The student *graduated*,
- The student *dropped out* of school, or
- The student *stopped education* for reasons of illness, death, or other unusual circumstances.

### Longitudinal study

One specific group of students was selected to begin the analysis. These students were served by Minnesota schools in grade nine during the 1992/93 school year. They were tracked through the 1995/96 school year to determine each student's final ending status (transferred, continued, graduated, or dropped out) as reported by the last Minnesota school district serving the student.

The STATE REPORTING NUMBER for each student in the original sample was tracked though the following three-year period. The study then combined all records found for each student into one file, sorted the records by STATUS END DATE, and selected the last record reported by a Minnesota school. The STATUS END CODES of the last records reported were then grouped into categories. The analysis assumes the last (and most recent) student record is correct and disregards the STATUS END CODE on prior records reported by any previous district serving the student.

The preliminary statewide results of this study are shown in [Table A](#). The detailed methodology used to arrive at the totals is described in [Appendix A](#).

**TABLE A**  
**Preliminary statewide results by category**

Total number of students served	Transferred out of the MN public school system	Continued within the MN public school system	Graduated or received a certificate of completion	Dropped out	Stopped education
62,374	1,469	10,191	44,132	6,362	220

Number of ninth grade students served by Minnesota schools during 1992/93 school year and their last reported status after the 1995/96 school year.

### Discrepancies

In the analysis, a number of records were found that indicated students would continue their enrollment in a Minnesota school the following year. However, during a detailed review of these records, several students could not be found in any of the following year's databases. Possible reasons for this type of discrepancy include:

- The student may have transferred out of state or to a nonpublic school during the summer,
- The district may have been unable to report a change in status as the student may have dropped out or graduated elsewhere and did not notify the last district attended,
- The student's last record was incorrectly coded with a continuing STATUS END CODE instead of a graduation, dropout, or transfer code,
- The student's STATE REPORTING NUMBER may have been mistakenly changed. In these cases, it would appear the student was no longer served by a Minnesota school district.

The revised totals shown in [Table B](#) account for the new distribution of students.

**TABLE B**  
**Revised preliminary state-wide results by category**

Total number of students served	Transferred out of the MN public school system	Continued within the MN public school system	Graduated or received a certificate of completion	Dropped out	Ending status unknown	Stopped education
62,374	1,469	5,723	44,132	6,362	4,468	220

Number of ninth grade students served by Minnesota schools during 1992/93 school year and their last reported status after the 1995/96 school year.

### Calculation of Percentages

To provide a clearer picture to evaluate student achievement by district within Minnesota, the three main categories of Graduated, Dropped Out, and Continued Enrollment are used. In determining percentages of students served by category, those students who have left the Minnesota public school system are removed from the calculation. Additionally, students with ending status unknown are also removed from the calculation.<sup>1</sup>

By removing these categories, the total number of students in the sample is reduced and the corresponding percentage for Graduates, Drop Outs, and Continued Enrollments is computed. The adjusted results are illustrated in [Table C](#).

**TABLE C**  
**Adjusted state-wide results and percentages by category**

Total number of students served	Continued within the MN public school system	Graduated or received a certificate of completion	Dropped out
56,217	5,723	44,132	6,362
	10%	79%	11%

Margin of Error  $\pm 1\%$

Number of ninth grade students served by Minnesota schools during 1992/93 school year and their last reported status after the 1995/96 school year.

### Statewide ethnic totals by category

The study also selected each student's ethnicity as reported through MARSS for the 1992/93 school year. Statewide totals by category and the corresponding percentage within each ethnic group are shown in [Table D](#).

**TABLE D**  
**Adjusted statewide results and percentages subdivided by ethnicity**

	Indian		Asian		Hispanic		Black		White	
Continued Enrollment	218	23%	242	14%	130	16%	514	23%	4,619	9%
Graduated	350	37%	1,163	69%	354	45%	743	33%	41,522	82%
Dropped out	377	40%	281	17%	306	39%	987	44%	4,411	9%
Total number of students	945	2%	1,686	3%	790	1%	2,244	4%	50,552	90%

Number of ninth grade students served by Minnesota schools during 1992/93 school year and their last reported status after the 1995/96 school year.

<sup>1</sup> This particular group of unknown students could be proportionally distributed through the existing categories based on each category's current percentage of the total, but the overall percentage would not be affected so the group was simply removed with the other categories

**District totals by category**

Individual district totals by category are detailed in [Appendix B](#). The district detail is sorted by the originating district from the 1992/93 school year which last served the student. (For example, if a student was served by three different school districts during the 1992/93 school year, the district with the last STATUS END DATE is used in the study. Additionally, if the same student was then served by a different school district in the following years, the totals by district still reflect the original district which served the student during the 1992/93 school year.)

**Other grade comparisons over multiple years**

A comparison was made using similar methodology for other grades in other years to determine the number of students who normally reappear in successive years. An actual count of STATE REPORTING NUMBERS reoccurring in successive years without regard to the student's STATUS END CODE is detailed in [Table E](#) and is broken down by grade and by year. The same selection criteria used to select the sample group 1992/93 ninth grade students were used for other grades and years in this comparison.

The table illustrates within each year; there exists a group of students who continue their education in Minnesota following their senior year. This group represents between 9 and 11% of the total for each year and grade sampled. These figures correspond to the Continued Enrollment percentage of 10% shown earlier in [Table C](#).

[Table E](#) also shows approximately 6% of ninth grade students do not return to Minnesota public schools (or are not reported) in each of the first years following grade nine. A separate study of MARSS data was conducted to determine if this was a normal rate of attrition for any group of ninth grade students from one year to the next -- attributed to either transfers or dropouts.

**Margin of Error**

This separate study discovered some of these students do reappear in the following year. It was demonstrated approximately 2% of the students continue but are assigned a different STATE REPORTING NUMBER. This introduces a margin of error in the longitudinal study. However, because certain categories of students were removed from the percentage calculations, the resulting margin of error is less than 1% of the percentages shown in [Table C](#). Details of this calculation are described in [Appendix A](#).

**Summary**

This study focused on one group of ninth grade students from the 1992/93 school year. Of those students who could be reliably tracked in the Minnesota public school system over a four-year period, [Table C](#) illustrates 8 out of 10 graduated in Minnesota. During this same four-year period, 1 out of 10 dropped out and did not return to the Minnesota public school system.

Comparing several years of student activity by using MARSS data exclusively is intended to provide another view of student migration and achievement in addition to the information already reported annually by school districts. Actual percentages by category in this longitudinal study could be used in future years to compare student achievement using a similar methodology. The results of this study could then provide a benchmark to measure the success of school districts implementing recent initiatives intended to improve education within the Minnesota public school system.

However, the results as detailed by school district should not be confused with existing graduation and dropout information annually reported by Minnesota schools, nor are they intended to indicate quality of education by district.

TABLE E

## Number of State Reporting Numbers reoccurring in successive years

Totals by grade for each year sampled	
Grade	Students reported

Grade	91/92
6	62011
7	61276
8	59159
9	60736
10	59036
11	57069
12	55736

Number of State Reporting Numbers reappearing in the MARSS databases for each of the following years for sampled group							
First Year Following		Second Year Following		Third Year Following		Fourth Year Following	

92/93		93/94		94/95		95/96	
58475	94%	56999	92%	55654	90%	54496	88%
57674	94%	55890	91%	54658	89%	52903	86%
54931	93%	53278	90%	51501	87%	49013	83%
56007	92%	53433	88%	50531	83%	5538	9%
53152	90%	49701	84%	5262	9%		
50925	89%	4705	8%				
4856	9%						

Grade	92/93
6	63592
7	64182
8	61151
9	62374
10	61208
11	57214
12	57469

93/94		94/95		95/96	
60855	96%	59411	93%	58053	91%
61530	96%	59654	93%	58229	91%
58046	95%	56448	92%	54443	89%
58496	94%	55804	89%	52747	85%
56069	92%	52188	85%	5850	10%
51277	90%	5433	9%		
5590	10%				

Grade	93/94
6	64966
7	66195
8	65152
9	65642
10	63552
11	59907
12	57931

94/95		95/96	
62032	95%	60561	93%
63630	96%	61777	93%
62021	95%	60189	92%
61749	94%	58805	90%
58387	92%	54433	86%
53801	90%	5958	10%
6182	11%		

Grade	94/95
6	65535
7	67888
8	67216
9	69459
10	66662
11	62474
12	60558

95/96	
62754	96%
65183	96%
64085	95%
65288	94%
61299	92%
55966	90%
6807	11%

Number of students remaining in the Minnesota public school system as tracked using the MARSS State Reporting Number exclusively.

# **Appendix A**

## **Detailed methodology used in the longitudinal study**



## Detailed Methodology

### Initial group of students

The study looked at the 1992/93 MARSS End of Year database and selected students served in grade nine during any portion of the school year with the following conditions:

- The record was included in the study if the serving DISTRICT TYPE was 01-07, 50-62, 70, or 83.
- The record was excluded if the STATE AID CATEGORY was either 25, (Adult), 16, 17, 18 (Shared-Time), 14 (Residents of other states), or 26 & 28 (nonpublic or private alternative programs)
- The record was included if the MARSS STATUS was 4 or 5 (no local or date-overlap errors).
- If the student had more than one record that qualified, the last record (as determined by the STATUS END DATE) was selected.

### Subsequent years

The STATE REPORTING NUMBERS were then compiled into a file that was used to collect the pertinent information from the following year's MARSS databases. The 1993/94, 1994/95 and 1995/96 MARSS databases were then reviewed. All records where the STATE REPORTING NUMBER matched one of the numbers in the original file were then selected and the STATUS END DATE and the STATUS END CODE were then copied to a separate database with the corresponding STATE REPORTING NUMBER. The STATE AID CATEGORY, DISTRICT TYPE, OR MARSS STATUS in following years were not considered in the study.

This separate database was then sorted using the STATE REPORTING NUMBER and the student's STATUS END DATE. In this manner, each student had their corresponding records aligned in order of sequence from the oldest to the most recent. The study then selected the last record for each student and copied the corresponding STATUS END CODE for those records to the final database.

### Major categories

Each record in the final database was then evaluated to determine the grouping of the STATUS END CODES. The following codes were assigned to the 7 major categories:

Status End Code	Category	Condition
08, 09, 10	Graduated	
06,14,15,16,17,18, 19,31,32,33,34,35, 37	Dropped Out	
01,02,04,20,22,36, 40,41,99	Continued Enrollment	The last record reviewed indicated the student is anticipated to continue school the following year <u>and</u> the STATE REPORTING NUMBER appeared in the following years database. (For records reviewed from the 1995/96 database, it is assumed the student continued). However, STATUS END CODES 36 (enrolled in college without a HS diploma) and 41 (dropped out of current school but re-enrolled elsewhere) were not checked in the following year's database.
03	Transferred to Nonpublic	
05	Left State	
11,12,13	Stopped Education	
01,02,04,20,22,40, 99	Destination Unknown	For last records from 1992/93, 1993/94 and 1994/95, the record indicated the student would continue the following year. However, no later student record with the same STATE REPORTING NUMBER was found in the following year's database.

**Margin of Error**

This analysis is dependent on the consistent use of the STATE REPORTING NUMBER each school district assigns to their students. Inconsistent use of the STATE REPORTING NUMBER may alter the resulting totals by group. A separate study compared the 1994/95 grade nine students to the entire 1995/96 MARSS database searching for students who had a different STATE REPORTING NUMBER assigned the following year.

The comparison first selected the last record reported for any student served in grade nine from the 1994/95 school year and attempted to locate the same student in the following year's database using several matching criteria other than the student's STATE REPORTING NUMBER. The number of ninth grade students found where the STATE REPORTING NUMBERS do not correspond can then be determined.

The results of this comparison indicated 2% of ninth grade students in the 1994/95 school year used a different state reporting number during the 1995/96 school year ( $1346 / 69387 = .019$ ). The records were evaluated and the previous STATUS END CODES for each of these students were compiled and indicated 87% as continued enrollments, 7% as dropouts, 5% as transfers to other programs, and 1% as stopped. Using the STATE REPORTING NUMBER strictly, continued enrollments group will not be found in the following year's database as each student has a different STATE REPORTING NUMBER and would fall into the unknown destination category.

In the longitudinal study, the transfer, stopped, and unknown categories were removed from the final calculations of percentages to the total served. The only group of students who may have been assigned a different STATE REPORTING NUMBER the following year and be included in the longitudinal study are dropouts. (For example, students who may have been coded as dropping out may have actually re-enrolled in another district the following year but assigned a different STATE REPORTING NUMBER. The study would reflect the prior district's record (and dropout code) as the last record in the combined database, even though the student did continue in another Minnesota district).

If a similar pattern of enrollments and inconsistent use of the STATE REPORTING NUMBER occurred in each of the 3 years following the 1992/93 school year, a margin of error can be estimated for this group of dropouts in the longitudinal study. If all 7% of the 2% re-enrolled and either continued into 1996/97 school year or graduated, the resulting total for dropouts in Table C would be reduced by 262 students to 6100 ( $0.07 \times 0.02 \times 62374 \times 3$  for each year = 262 students). The total served in the three categories would also be increased by 262 to 56479. The resulting percentage of dropouts =  $6100 / 56479 = 10.8\%$ . The difference is less than 1% ( $11.3\% - 10.8\% = 0.5\%$ ).

# **Appendix B**

## **Ending status of students**

**Limited to only those students  
whose last serving district is the  
same as their originating  
district of 1992/93**

## Ending Status of Student

**Limited to students whose last serving district is the same as their originating district of 1992/93.**

Adjusted number of ninth grade students served by Minnesota schools during the 1992/93 school year and their last reported status through the 1995/96 school year.

1992/93 Serving District Name	Number of grade 9 students whose last reported district was the same as the 1992/93 serving district	Graduated/ Completion Certificate	Dropped Out	Continued Following Year
1:1 AITKIN	79	73 92.4%	3 3.8%	3 3.8%
1:3 MINNEAPOLIS	2787	1204 43.2%	1170 42.0%	413 14.8%
2:1 HILL CITY	19	19 100.0%	0 0.0%	0 0.0%
4:1 MCGREGOR	37	36 97.3%	1 2.7%	0 0.0%
6:3 SOUTH ST. PAUL	244	189 77.5%	35 14.3%	20 8.2%
11:1 ANOKA-HENNEPIN	2267	1840 81.2%	276 12.2%	151 6.7%
12:1 CENTENNIAL	279	259 92.8%	17 6.1%	3 1.1%
13:1 COLUMBIA HEIGHTS	150	109 72.7%	26 17.3%	15 10.0%
14:1 FRIDLEY	138	124 89.9%	8 5.8%	6 4.3%
15:1 ST. FRANCIS	255	198 77.6%	27 10.6%	30 11.8%
16:1 SPRING LAKE PARK	242	193 79.8%	21 8.7%	28 11.6%
22:1 DETROIT LAKES	172	149 86.6%	9 5.2%	14 8.1%
23:1 FRAZEE	72	70 97.2%	2 2.8%	0 0.0%
24:1 LAKE PARK	46	45 97.8%	1 2.2%	0 0.0%
31:1 BEMIDJI	355	267 75.2%	19 5.4%	69 19.4%
32:1 BLACKDUCK	60	56 93.3%	1 1.7%	3 5.0%
36:1 KELLIHER	19	18 94.7%	0 0.0%	1 5.3%
38:1 RED LAKE	50	12 24.0%	20 40.0%	18 36.0%
47:1 SAUK RAPIDS	176	167 94.9%	4 2.3%	5 2.8%
51:1 FOLEY	141	133 94.3%	6 4.3%	2 1.4%
55:1 CLINTON-GRACEVILLE	34	34 100.0%	0 0.0%	0 0.0%
62:1 ORTONVILLE	61	60 98.4%	1 1.6%	0 0.0%
72:1 MAPLETON (dis 1993)	1	0 0.0%	1 100.0%	0 0.0%
75:1 ST. CLAIR	25	23 92.0%	2 8.0%	0 0.0%
77:1 MANKATO	468	384 82.1%	61 13.0%	23 4.9%
81:1 COMFREY	34	33 97.1%	0 0.0%	1 2.9%
84:1 SLEEPY EYE	40	36 90.0%	2 5.0%	2 5.0%
85:1 SPRINGFIELD	53	53 100.0%	0 0.0%	0 0.0%
88:1 NEW ULM	172	162 94.2%	6 3.5%	4 2.3%
91:1 BARNUM	57	55 96.5%	0 0.0%	2 3.5%
93:1 CARLTON	54	51 94.4%	2 3.7%	1 1.9%
94:1 CLOQUET	161	127 78.9%	28 17.4%	6 3.7%
95:1 CROMWELL	29	28 96.6%	1 3.4%	0 0.0%
97:1 MOOSE LAKE	63	62 98.4%	1 1.6%	0 0.0%
99:1 ESKO	77	72 93.5%	2 2.6%	3 3.9%
100:1 WRENSHALL	31	29 93.5%	0 0.0%	2 6.5%
108:1 NORWOOD	87	83 95.4%	1 1.1%	3 3.4%
110:1 WACONIA	101	98 97.0%	1 1.0%	2 2.0%
111:1 WATERTOWN-MAYER	82	75 91.5%	6 7.3%	1 1.2%

## Ending Status of Student

**Limited to students whose last serving district is the same as their originating district of 1992/93.**

Adjusted number of ninth grade students served by Minnesota schools during the 1992/93 school year and their last reported status through the 1995/96 school year.

1992/93 Serving District Name	Number of grade 9 students whose last reported district was the same as the 1992/93 serving district	Graduated/ Completion Certificate	Dropped Out	Continued Following Year
112:1 CHASKA	267	260 97.4%	4 1.5%	3 1.1%
113:1 WALKER-HACKENSACK-AKELEY	46	34 73.9%	6 13.0%	6 13.0%
115:1 CASS LAKE	63	32 50.8%	23 36.5%	8 12.7%
116:1 PILLAGER	27	26 96.3%	0 0.0%	1 3.7%
118:1 REMER	37	37 100.0%	0 0.0%	0 0.0%
126:1 CLARA CITY (dis 1994)	0	0 ***.0%	0 ***.0%	0 ***.0%
129:1 MONTEVIDEO	108	103 95.4%	4 3.7%	1 0.9%
138:1 NORTH BRANCH	176	125 71.0%	10 5.7%	41 23.3%
139:1 RUSH CITY	47	41 87.2%	4 8.5%	2 4.3%
141:1 CHISAGO LAKES (dis 1993)	0	0 ***.0%	0 ***.0%	0 ***.0%
145:1 GLYNDON-FELTON (dis 1994)	0	0 ***.0%	0 ***.0%	0 ***.0%
146:1 BARNESVILLE	55	51 92.7%	2 3.6%	2 3.6%
150:1 HAWLEY	64	63 98.4%	0 0.0%	1 1.6%
152:1 MOORHEAD	276	259 93.8%	12 4.3%	5 1.8%
158:1 GONVICK (dis 1995)	0	0 ***.0%	0 ***.0%	0 ***.0%
161:1 CLEARBROOK (dis 1995)	0	0 ***.0%	0 ***.0%	0 ***.0%
162:1 BAGLEY	77	71 92.2%	5 6.5%	1 1.3%
166:1 COOK COUNTY	41	36 87.8%	3 7.3%	2 4.9%
173:1 MOUNTAIN LAKE	41	38 92.7%	3 7.3%	0 0.0%
175:1 WESTBROOK	32	32 100.0%	0 0.0%	0 0.0%
177:1 WINDOM	66	62 93.9%	2 3.0%	2 3.0%
178:1 STORDEN-JEFFERS	0	0 ***.0%	0 ***.0%	0 ***.0%
181:1 BRAINERD	470	304 64.7%	64 13.6%	102 21.7%
182:1 CROSBY-IRONTON	111	89 80.2%	12 10.8%	10 9.0%
186:1 PEQUOT LAKES	76	74 97.4%	2 2.6%	0 0.0%
191:1 BURNSVILLE	643	544 84.6%	73 11.4%	26 4.0%
192:1 FARMINGTON	163	146 89.6%	3 1.8%	14 8.6%
194:1 LAKEVILLE	285	253 88.8%	9 3.2%	23 8.1%
195:1 RANDOLPH	22	21 95.5%	0 0.0%	1 4.5%
196:1 ROSEMOUNT-APPLE VALLEY-EAGAN	1334	1137 85.2%	61 4.6%	136 10.2%
197:1 WEST ST. PAUL-MENDOTA HTS.-EAG	238	199 83.6%	21 8.8%	18 7.6%
199:1 INVER GROVE	205	165 80.5%	14 6.8%	26 12.7%
200:1 HASTINGS	361	328 90.9%	14 3.9%	19 5.3%
203:1 HAYFIELD	72	69 95.8%	3 4.2%	0 0.0%
204:1 KASSON-MANTORVILLE	87	82 94.3%	4 4.6%	1 1.1%
206:1 ALEXANDRIA	287	244 85.0%	4 1.4%	39 13.6%
207:1 BRANDON	29	28 96.6%	0 0.0%	1 3.4%
208:1 EVANSVILLE	21	21 100.0%	0 0.0%	0 0.0%
213:1 OSAKIS	51	50 98.0%	1 2.0%	0 0.0%

## Ending Status of Student

**Limited to students whose last serving district is the same as their originating district of 1992/93.**

Adjusted number of ninth grade students served by Minnesota schools during the 1992/93 school year and their last reported status through the 1995/96 school year.

1992/93 Serving District Name	Number of grade 9 students whose last reported district was the same as the 1992/93 serving district	Graduated/ Completion Certificate	Dropped Out	Continued Following Year
224:1 WELLS (dis 1993)	0	0 ***. *%	0 ***. *%	0 ***. *%
227:1 CHATFIELD	55	51 92.7%	4 7.3%	0 0.0%
228:1 HARMONY (dis 1995)	0	0 ***. *%	0 ***. *%	0 ***. *%
229:1 LANESBORO	30	28 93.3%	2 6.7%	0 0.0%
233:1 PRESTON-FOUNTAIN (dis 1995)	0	0 ***. *%	0 ***. *%	0 ***. *%
237:1 SPRING VALLEY (dis 1993)	0	0 ***. *%	0 ***. *%	0 ***. *%
238:1 MABEL-CANTON	25	25 100.0%	0 0.0%	0 0.0%
239:1 RUSHFORD-PETERSON	49	46 93.9%	3 6.1%	0 0.0%
240:1 BLUE EARTH (dis 1993)	3	0 0.0%	3 100.0%	0 0.0%
241:1 ALBERT LEA	286	237 82.9%	36 12.6%	13 4.5%
242:1 ALDEN	31	31 100.0%	0 0.0%	0 0.0%
245:1 GLENVILLE	40	39 97.5%	1 2.5%	0 0.0%
252:1 CANNON FALLS	78	77 98.7%	1 1.3%	0 0.0%
253:1 GOODHUE	46	46 100.0%	0 0.0%	0 0.0%
254:1 KENYON (dis 1994)	2	0 0.0%	2 100.0%	0 0.0%
255:1 PINE ISLAND	70	67 95.7%	2 2.9%	1 1.4%
256:1 RED WING	235	201 85.5%	21 8.9%	13 5.5%
261:1 ASHBY	16	16 100.0%	0 0.0%	0 0.0%
263:1 ELBOW LAKE (dis 1995)	0	0 ***. *%	0 ***. *%	0 ***. *%
264:1 HERMAN-NORCROSS	17	17 100.0%	0 0.0%	0 0.0%
265:1 HOFFMAN (dis 1995)	0	0 ***. *%	0 ***. *%	0 ***. *%
270:1 HOPKINS	448	411 91.7%	12 2.7%	25 5.6%
271:1 BLOOMINGTON	691	640 92.6%	17 2.5%	34 4.9%
272:1 EDEN PRAIRIE	395	385 97.5%	4 1.0%	6 1.5%
273:1 EDINA	371	357 96.2%	9 2.4%	5 1.3%
276:1 MINNETONKA	351	339 96.6%	5 1.4%	7 2.0%
277:1 WESTONKA	114	97 85.1%	5 4.4%	12 10.5%
278:1 ORONO	131	129 98.5%	1 0.8%	1 0.8%
279:1 OSSEO	1224	1036 84.6%	102 8.3%	86 7.0%
280:1 RICHFIELD	223	202 90.6%	8 3.6%	13 5.8%
281:1 ROBBINSDALE	687	590 85.9%	28 4.1%	69 10.0%
282:1 ST. ANTHONY-NEW BRIGHTON	46	43 93.5%	3 6.5%	0 0.0%
283:1 ST. LOUIS PARK	215	190 88.4%	16 7.4%	9 4.2%
284:1 WAYZATA	399	391 98.0%	6 1.5%	2 0.5%
286:1 BROOKLYN CENTER	103	92 89.3%	10 9.7%	1 1.0%
294:1 HOUSTON	34	33 97.1%	1 2.9%	0 0.0%
297:1 SPRING GROVE	42	40 95.2%	0 0.0%	2 4.8%
299:1 CALEDONIA	79	79 100.0%	0 0.0%	0 0.0%
300:1 LACRESCENT-HOKAH	106	99 93.4%	1 0.9%	6 5.7%

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306:1 LAPORTE	21	17 81.0%	0 0.0%	4 19.0%
308:1 NEVIS	25	23 92.0%	1 4.0%	1 4.0%
309:1 PARK RAPIDS	151	118 78.1%	20 13.2%	13 8.6%
314:1 BRAHAM	55	54 98.2%	0 0.0%	1 1.8%
316:1 GREENWAY	107	102 95.3%	2 1.9%	3 2.8%
317:1 DEER RIVER	65	60 92.3%	4 6.2%	1 1.5%
318:1 GRAND RAPIDS	369	314 85.1%	24 6.5%	31 8.4%
319:1 NASHWAUK-KEEWATIN	47	46 97.9%	1 2.1%	0 0.0%
324:1 JACKSON	76	74 97.4%	1 1.3%	1 1.3%
330:1 HERON LAKE-OKABENA	1	0 0.0%	1 100.0%	0 0.0%
332:1 MORA	131	111 84.7%	16 12.2%	4 3.1%
333:1 OGILVIE	51	51 100.0%	0 0.0%	0 0.0%
345:1 NEW LONDON-SPICER	112	111 99.1%	1 0.9%	0 0.0%
347:1 WILLMAR	354	255 72.0%	57 16.1%	42 11.9%
356:1 LANCASTER	8	7 87.5%	1 12.5%	0 0.0%
361:1 INTERNATIONAL FALLS	147	116 78.9%	20 13.6%	11 7.5%
362:1 LITTLEFORK-BIG FALLS	24	22 91.7%	1 4.2%	1 4.2%
363:1 SOUTH KOOCHICHING	31	29 93.5%	2 6.5%	0 0.0%
378:1 DAWSON-BOYD	54	53 98.1%	1 1.9%	0 0.0%
381:1 LAKE SUPERIOR	144	122 84.7%	11 7.6%	11 7.6%
390:1 LAKE OF THE WOODS	50	48 96.0%	2 4.0%	0 0.0%
391:1 CLEVELAND	43	39 90.7%	1 2.3%	3 7.0%
392:1 LECENTER	51	51 100.0%	0 0.0%	0 0.0%
394:1 MONTGOMERY-LONSDALE	76	71 93.4%	4 5.3%	1 1.3%
395:1 WATERVILLE-ELYSIAN (dis 1993)	1	0 0.0%	1 100.0%	0 0.0%
402:1 HENDRICKS	0	0 ***.0%	0 ***.0%	0 ***.0%
404:1 LAKE BENTON	30	30 100.0%	0 0.0%	0 0.0%
409:1 TYLER	74	73 98.6%	1 1.4%	0 0.0%
411:1 BALATON	22	22 100.0%	0 0.0%	0 0.0%
412:1 COTTONWOOD (dis 1994)	0	0 ***.0%	0 ***.0%	0 ***.0%
413:1 MARSHALL	190	176 92.6%	11 5.8%	3 1.6%
414:1 MINNEOTA	52	52 100.0%	0 0.0%	0 0.0%
417:1 TRACY	63	58 92.1%	5 7.9%	0 0.0%
422:1 GLENCOE	111	102 91.9%	7 6.3%	2 1.8%
423:1 HUTCHINSON	212	178 84.0%	14 6.6%	20 9.4%
424:1 LESTER PRAIRIE	41	38 92.7%	3 7.3%	0 0.0%
425:1 SILVER LAKE	0	0 ***.0%	0 ***.0%	0 ***.0%
426:1 STEWART	0	0 ***.0%	0 ***.0%	0 ***.0%
432:1 MAHNOMEN	56	46 82.1%	7 12.5%	3 5.4%

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435:1 WAUBUN	39	37 94.9%	2 5.1%	0 0.0%
437:1 ARGYLE	18	17 94.4%	0 0.0%	1 5.6%
441:1 NEWFOLDEN	28	26 92.9%	2 7.1%	0 0.0%
442:1 OSLO (dis 1994)	1	0 0.0%	1 100.0%	0 0.0%
443:1 STEPHEN	23	22 95.7%	1 4.3%	0 0.0%
446:1 WARREN (dis 1993)	1	0 0.0%	1 100.0%	0 0.0%
447:1 GRYGLA	21	20 95.2%	1 4.8%	0 0.0%
458:1 TRUMAN	46	43 93.5%	3 6.5%	0 0.0%
461:1 COSMOS (dis 1995)	0	0 ***.0%	0 ***.0%	0 ***.0%
463:1 EDEN VALLEY	74	71 95.9%	2 2.7%	1 1.4%
464:1 GROVE CITY (dis 1995)	0	0 ***.0%	0 ***.0%	0 ***.0%
465:1 LITCHFIELD	157	141 89.8%	8 5.1%	8 5.1%
466:1 DASSEL-COKATO	123	117 95.1%	3 2.4%	3 2.4%
473:1 ISLE	19	19 100.0%	0 0.0%	0 0.0%
477:1 PRINCETON	195	181 92.8%	8 4.1%	6 3.1%
480:1 ONAMIA	37	31 83.8%	0 0.0%	6 16.2%
482:1 LITTLE FALLS	275	227 82.5%	14 5.1%	34 12.4%
483:1 MOTLEY (dis 1994)	1	0 0.0%	1 100.0%	0 0.0%
484:1 PIERZ	84	79 94.0%	2 2.4%	3 3.6%
485:1 ROYALTON	58	54 93.1%	1 1.7%	3 5.2%
486:1 SWANVILLE	28	27 96.4%	1 3.6%	0 0.0%
487:1 UPSALA	31	31 100.0%	0 0.0%	0 0.0%
492:1 AUSTIN	299	219 73.2%	51 17.1%	29 9.7%
495:1 GRAND MEADOW	32	32 100.0%	0 0.0%	0 0.0%
497:1 LYLE	20	20 100.0%	0 0.0%	0 0.0%
499:1 LEROY	34	34 100.0%	0 0.0%	0 0.0%
500:1 SOUTHLAND	52	51 98.1%	1 1.9%	0 0.0%
504:1 SLAYTON (dis 1994)	0	0 ***.0%	0 ***.0%	0 ***.0%
505:1 FULDA	46	46 100.0%	0 0.0%	0 0.0%
507:1 NICOLLET	40	39 97.5%	1 2.5%	0 0.0%
508:1 ST. PETER	163	149 91.4%	8 4.9%	6 3.7%
511:1 ADRIAN	28	28 100.0%	0 0.0%	0 0.0%
514:1 ELLSWORTH	12	12 100.0%	0 0.0%	0 0.0%
516:1 ROUND LAKE	25	25 100.0%	0 0.0%	0 0.0%
518:1 WORTHINGTON	178	149 83.7%	13 7.3%	16 9.0%
521:1 ADA	38	38 100.0%	0 0.0%	0 0.0%
523:1 NORMAN CO EAST (dis 1995)	0	0 ***.0%	0 ***.0%	0 ***.0%
531:1 BYRON	72	70 97.2%	2 2.8%	0 0.0%
533:1 DOVER-EYOTA	51	51 100.0%	0 0.0%	0 0.0%



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534:1 STEWARTVILLE	94	85 90.4%	1 1.1%	8 8.5%
535:1 ROCHESTER	908	740 81.5%	74 8.1%	94 10.4%
542:1 BATTLE LAKE	20	20 100.0%	0 0.0%	0 0.0%
544:1 FERGUS FALLS	226	188 83.2%	26 11.5%	12 5.3%
545:1 HENNING	30	30 100.0%	0 0.0%	0 0.0%
547:1 PARKERS PRAIRIE	49	49 100.0%	0 0.0%	0 0.0%
548:1 PELICAN RAPIDS	83	79 95.2%	4 4.8%	0 0.0%
549:1 PERHAM	105	89 84.8%	6 5.7%	10 9.5%
550:1 UNDERWOOD	31	31 100.0%	0 0.0%	0 0.0%
553:1 NEW YORK MILLS	44	42 95.5%	2 4.5%	0 0.0%
561:1 GOODRIDGE	18	18 100.0%	0 0.0%	0 0.0%
564:1 THIEF RIVER FALLS	173	145 83.8%	7 4.0%	21 12.1%
573:1 HINCKLEY (dis 1994)	3	0 0.0%	3 100.0%	0 0.0%
577:1 WILLOW RIVER	38	36 94.7%	2 5.3%	0 0.0%
578:1 PINE CITY	123	105 85.4%	9 7.3%	9 7.3%
581:1 EDGERTON	25	25 100.0%	0 0.0%	0 0.0%
582:1 JASPER (dis 1995)	0	0 ***.0%	0 ***.0%	0 ***.0%
583:1 PIPESTONE (dis 1995)	1	0 0.0%	1 100.0%	0 0.0%
592:1 CLIMAX	24	22 91.7%	2 8.3%	0 0.0%
593:1 CROOKSTON	153	123 80.4%	12 7.8%	18 11.8%
595:1 EAST GRAND FORKS	145	125 86.2%	17 11.7%	3 2.1%
599:1 FERTILE-BELTRAMI	58	57 98.3%	1 1.7%	0 0.0%
600:1 FISHER	13	13 100.0%	0 0.0%	0 0.0%
601:1 FOSSTON	55	53 96.4%	1 1.8%	1 1.8%
621:1 MOUNDS VIEW	848	705 83.1%	75 8.8%	68 8.0%
622:1 NORTH ST. PAUL-MAPLEWOOD	639	568 88.9%	56 8.8%	15 2.3%
623:1 ROSEVILLE	445	414 93.0%	18 4.0%	13 2.9%
624:1 WHITE BEAR LAKE	563	508 90.2%	34 6.0%	21 3.7%
625:1 ST. PAUL	2192	1142 52.1%	652 29.7%	398 18.2%
627:1 OKLEE	23	21 91.3%	0 0.0%	2 8.7%
628:1 PLUMMER	16	16 100.0%	0 0.0%	0 0.0%
630:1 RED LAKE FALLS	31	30 96.8%	1 3.2%	0 0.0%
633:1 LAMBERTON	37	37 100.0%	0 0.0%	0 0.0%
636:1 MORGAN (dis 1995)	2	0 0.0%	2 100.0%	0 0.0%
637:1 REDWOOD FALLS (dis 1995)	0	0 ***.0%	0 ***.0%	0 ***.0%
640:1 WABASSO	30	30 100.0%	0 0.0%	0 0.0%
651:1 HECTOR (dis 1993)	0	0 ***.0%	0 ***.0%	0 ***.0%
654:1 RENVILLE	72	65 90.3%	7 9.7%	0 0.0%
656:1 FARIBAULT	269	218 81.0%	29 10.8%	22 8.2%

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659:1 NORTHFIELD	252	205 81.3%	15 6.0%	32 12.7%
670:1 LUVERNE (dis 1994)	2	0 0.0%	2 100.0%	0 0.0%
671:1 HILLS-BEAVER CREEK	34	32 94.1%	2 5.9%	0 0.0%
676:1 BADGER	16	16 100.0%	0 0.0%	0 0.0%
678:1 GREENBUSH (dis 1995)	0	0 ***. *%	0 ***. *%	0 ***. *%
682:1 ROSEAU	93	92 98.9%	1 1.1%	0 0.0%
690:1 WARROAD	102	90 88.2%	1 1.0%	11 10.8%
692:1 BABBIT (dis 1993)	0	0 ***. *%	0 ***. *%	0 ***. *%
695:1 CHISHOLM	73	73 100.0%	0 0.0%	0 0.0%
696:1 ELY	77	73 94.8%	3 3.9%	1 1.3%
698:1 FLOODWOOD	13	11 84.6%	1 7.7%	1 7.7%
699:1 GILBERT (dis 1993)	2	0 0.0%	2 100.0%	0 0.0%
700:1 HERMANTOWN	124	117 94.4%	3 2.4%	4 3.2%
701:1 HIBBING	295	232 78.6%	32 10.8%	31 10.5%
704:1 PROCTOR	141	125 88.7%	9 6.4%	7 5.0%
706:1 VIRGINIA	158	146 92.4%	8 5.1%	4 2.5%
708:1 TOWER-SUDAN (dis 1993)	1	0 0.0%	1 100.0%	0 0.0%
709:1 DULUTH	991	797 80.4%	135 13.6%	59 6.0%
710:1 ST LOUIS CO (dis 1993)	1	0 0.0%	1 100.0%	0 0.0%
712:1 MOUNTAIN IRON-BUHL	41	41 100.0%	0 0.0%	0 0.0%
716:1 BELLE PLAINE	66	55 83.3%	0 0.0%	11 16.7%
717:1 JORDAN	78	75 96.2%	2 2.6%	1 1.3%
719:1 PRIOR LAKE	220	209 95.0%	3 1.4%	8 3.6%
720:1 SHAKOPEE	158	151 95.6%	4 2.5%	3 1.9%
721:1 NEW PRAGUE	153	152 99.3%	0 0.0%	1 0.7%
726:1 BECKER	77	74 96.1%	3 3.9%	0 0.0%
727:1 BIG LAKE	80	70 87.5%	9 11.3%	1 1.3%
728:1 ELK RIVER	447	347 77.6%	40 8.9%	60 13.4%
731:1 ARLINGTON (dis 1995)	1	0 0.0%	1 100.0%	0 0.0%
732:1 GAYLORD (dis 1995)	2	0 0.0%	2 100.0%	0 0.0%
736:1 BELGRADE-ELROSA (dis 1995)	1	0 0.0%	1 100.0%	0 0.0%
738:1 HOLDINGFORD	76	72 94.7%	3 3.9%	1 1.3%
739:1 KIMBALL	63	62 98.4%	1 1.6%	0 0.0%
740:1 MELROSE	120	120 100.0%	0 0.0%	0 0.0%
741:1 PAYNESVILLE	90	86 95.6%	2 2.2%	2 2.2%
742:1 ST. CLOUD	739	600 81.2%	38 5.1%	101 13.7%
743:1 SAUK CENTRE	125	123 98.4%	2 1.6%	0 0.0%
745:1 ALBANY	106	103 97.2%	2 1.9%	1 0.9%
748:1 SARTELL	132	124 93.9%	2 1.5%	6 4.5%

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750:1 COLD SPRING	183	181 98.9%	1 0.5%	1 0.5%
756:1 BLOOMING PRAIRIE	71	69 97.2%	2 2.8%	0 0.0%
761:1 OWATONNA	330	308 93.3%	21 6.4%	1 0.3%
763:1 MEDFORD	50	47 94.0%	1 2.0%	2 4.0%
768:1 HANCOCK	23	23 100.0%	0 0.0%	0 0.0%
769:1 MORRIS	106	104 98.1%	1 0.9%	1 0.9%
771:1 CHOKIO-ALBERTA	18	17 94.4%	1 5.6%	0 0.0%
775:1 KERKHOVEN-MURDOCK-SUNBURG	50	50 100.0%	0 0.0%	0 0.0%
777:1 BENSON	88	82 93.2%	4 4.5%	2 2.3%
786:1 BERTHA-HEWITT	45	44 97.8%	1 2.2%	0 0.0%
787:1 BROWERVILLE	39	38 97.4%	1 2.6%	0 0.0%
790:1 EAGLE BEND (dis 1995)	0	0 ***.0%	0 ***.0%	0 ***.0%
791:1 GREY EAGLE (dis 1995)	0	0 ***.0%	0 ***.0%	0 ***.0%
792:1 LONG PRAIRIE (dis 1995)	1	0 0.0%	1 100.0%	0 0.0%
793:1 STAPLES (dis 1994)	0	0 ***.0%	0 ***.0%	0 ***.0%
801:1 BROWNS VALLEY	9	8 88.9%	1 11.1%	0 0.0%
803:1 WHEATON	40	40 100.0%	0 0.0%	0 0.0%
806:1 ELGIN-MILLVILLE	43	43 100.0%	0 0.0%	0 0.0%
810:1 PLAINVIEW	85	84 98.8%	0 0.0%	1 1.2%
811:1 WABASHA-KELLOGG	58	56 96.6%	2 3.4%	0 0.0%
813:1 LAKE CITY	82	79 96.3%	2 2.4%	1 1.2%
818:1 VERNDALE	30	29 96.7%	0 0.0%	1 3.3%
819:1 WADENA (dis 1993)	0	0 ***.0%	0 ***.0%	0 ***.0%
820:1 SEBEKA	38	37 97.4%	1 2.6%	0 0.0%
821:1 MENAHGA	41	39 95.1%	1 2.4%	1 2.4%
827:1 NEW RICHLAND (dis 1994)	0	0 ***.0%	0 ***.0%	0 ***.0%
829:1 WASECA	171	158 92.4%	12 7.0%	1 0.6%
831:1 FOREST LAKE	442	333 75.3%	48 10.9%	61 13.8%
832:1 MAHTOMEDI	156	135 86.5%	10 6.4%	11 7.1%
833:1 SOUTH WASHINGTON COUNTY	805	696 86.5%	64 8.0%	45 5.6%
834:1 STILLWATER	541	505 93.3%	15 2.8%	21 3.9%
836:1 BUTTERFIELD	21	21 100.0%	0 0.0%	0 0.0%
837:1 MADELIA	50	47 94.0%	3 6.0%	0 0.0%
840:1 ST. JAMES	90	79 87.8%	10 11.1%	1 1.1%
846:1 BRECKENRIDGE	79	68 86.1%	9 11.4%	2 2.5%
850:1 ROTHSAY	19	19 100.0%	0 0.0%	0 0.0%
852:1 CAMPBELL-TINTAH	11	11 100.0%	0 0.0%	0 0.0%
857:1 LEWISTON	71	70 98.6%	1 1.4%	0 0.0%
858:1 ST. CHARLES	66	66 100.0%	0 0.0%	0 0.0%

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861:1 WINONA	365	269 73.7%	63 17.3%	33 9.0%
876:1 ANNANDALE	101	75 74.3%	9 8.9%	17 16.8%
877:1 BUFFALO	310	283 91.3%	13 4.2%	14 4.5%
879:1 DELANO	114	111 97.4%	2 1.8%	1 0.9%
880:1 HOWARD LAKE	60	57 95.0%	3 5.0%	0 0.0%
881:1 MAPLE LAKE	46	42 91.3%	3 6.5%	1 2.2%
882:1 MONTICELLO	180	170 94.4%	6 3.3%	4 2.2%
883:1 ROCKFORD	90	80 88.9%	8 8.9%	2 2.2%
885:1 ST. MICHAEL-ALBERTVILLE	104	99 95.2%	3 2.9%	2 1.9%
891:1 CANBY	61	60 98.4%	1 1.6%	0 0.0%
894:1 GRANITE FALLS (dis 1994)	1	0 0.0%	1 100.0%	0 0.0%
911:1 CAMBRIDGE-ISANTI	241	225 93.4%	12 5.0%	4 1.7%
912:1 MILACA	121	103 85.1%	14 11.6%	4 3.3%
914:1 ULEN-HITTERDAL	30	29 96.7%	1 3.3%	0 0.0%
2071:1 LAKE CRYSTAL-WELLCOME MEMORIAL	90	77 85.6%	4 4.4%	9 10.0%
2125:1 TRITON	82	80 97.6%	2 2.4%	0 0.0%
2174:1 PINE RIVER-BACKUS	80	61 76.3%	4 5.0%	15 18.8%
2358:1 TRI-COUNTY	24	23 95.8%	0 0.0%	1 4.2%
2359:1 KITTSOON CENTRAL (dis 1994)	0	0 ***.0%	0 ***.0%	0 ***.0%
2365:1 G.F.W.	82	81 98.8%	0 0.0%	1 1.2%
2397:1 LESUEUR-HENDERSON	100	86 86.0%	6 6.0%	8 8.0%
2448:1 MARTIN COUNTY WEST	67	65 97.0%	2 3.0%	0 0.0%
2527:1 HALSTAD-HENDRUM	29	28 96.6%	0 0.0%	1 3.4%
2534:1 BIRD ISLAND-OLIVIA-LAKE LILLIA	96	90 93.8%	5 5.2%	1 1.0%
2536:1 GRANADA HUNTLEY-EAST CHAIN	34	34 100.0%	0 0.0%	0 0.0%
2580:1 EAST CENTRAL	82	59 72.0%	15 18.3%	8 9.8%
2609:1 WIN-E-MAC	36	34 94.4%	2 5.6%	0 0.0%
2711:1 MESABI EAST	125	111 88.8%	8 6.4%	6 4.8%
2805:1 ZUMBROTA-MAZEPPA	87	84 96.6%	2 2.3%	1 1.1%
2835:1 JANESVILLE-WALDORF-PEMBERTON	81	74 91.4%	6 7.4%	1 1.2%
4000:7 CITY ACADEMY	8	2 25.0%	5 62.5%	1 12.5%