



## The MACC Numbers for the 2016 Season

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This is the annual report on our attendance. All previous reports (along with this one) are posted on the web site in the MACC section, at: <http://www.maccracing.org/macc/minutes/>

### Summary

El Nino was not kind to MACC for 2016; our numbers were down. The reduction affects team votes, with the number of voting racer representatives reaching a new low of ten votes, with six voters needed for a quorum.

Course 1 had significantly more racers than the other two courses. Given that course 1 racers generate the most course damage per racer, the distribution of classes should be changed for next year. (This year estimates were made based on registration rather than turnout in past years. It didn't work.)

### MACC Team Attendance and Votes

Table 1 shows the team turnout for 2016 and the resulting team votes for 2017. The table also includes a column with the title **Reg.** that indicates the number of racers who registered with each team. The total registration is 143; last year it was 158, and the year before it was 159.

*Table 1. Team turnout for 2016 and votes for 2017.*

| Ski Team      | Votes | Reg. | Total | Ave  | 3   | 4   | 5  | 6  | 7  | 8   | 9   | 10  | 11  |
|---------------|-------|------|-------|------|-----|-----|----|----|----|-----|-----|-----|-----|
| Ann Arbor     | 0     | 10   | 39    | 4.3  | 6   | 5   | 1  | 2  | 1  | 6   | 6   | 5   | 6   |
| Jim Dandy     | 0     | 2    | 16    | 1.8  | 2   | 2   | 2  | 2  | 2  | 2   | 2   | 1   | 1   |
| Renegades     | 0     | 7    | 28    | 3.1  | 4   | 3   | 2  | 3  | 3  | 3   | 4   | 3   | 3   |
| Skiniks       | 2     | 16   | 114   | 12.7 | 15  | 15  | 8  | 8  | 8  | 15  | 13  | 16  | 16  |
| Skiwis        | 1     | 13   | 75    | 8.3  | 11  | 9   | 4  | 4  | 4  | 10  | 11  | 11  | 11  |
| Snow Drifters | 1     | 18   | 106   | 11.8 | 13  | 13  | 7  | 7  | 7  | 16  | 15  | 13  | 15  |
| Team Rust     | 2     | 27   | 157   | 17.4 | 22  | 20  | 7  | 11 | 11 | 21  | 21  | 22  | 22  |
| Thunderbirds  | 2     | 23   | 144   | 16   | 20  | 20  | 13 | 13 | 13 | 17  | 17  | 15  | 16  |
| Toledo        | 2     | 26   | 173   | 19.2 | 25  | 25  | 15 | 15 | 16 | 20  | 18  | 18  | 21  |
| Unassigned    | —     | 1    | 6     | 0.7  |     | 1   | 1  |    |    |     | 1   | 1   | 1   |
| Totals        | 10    | 143  | 858   | 95.3 | 118 | 113 | 60 | 65 | 65 | 110 | 108 | 105 | 112 |

With nine races (the Cantor Cup is not counted), it takes 45 racer starts (ave  $\geq 5$ ) for a team to get a vote, 108 (ave  $\geq 12$ ) to get two votes, and 270 (ave  $\geq 30$ ) to get three votes. Next year the MACC teams will have ten votes, two less than this year. Ann Arbor lost their vote, and the Snow Drifters dropped from having two votes to having one.

For comparison over past years, Table 2 shows the attendance histories of the recent teams going back to 1992. This table is a reminder that our program can no longer rely on recruiting from ski clubs; two of the largest teams from MDSC clubs in the past — GM and Schussmeisters — were from ski clubs that no longer field race teams.

Table 2. Average attendance by team going back to 1992.

| Ski Team       | 92 | 96 | 98 | 00 | 02 | 04 | 06 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|----------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Ann Arbor      | 16 | 12 | 14 | 16 | 9  | 10 | 10 | 12 | 11 | 10 | 11 | 8  | 9  | 7  | 7  | 4  |
| GM Ski Club    | 43 | 24 | 17 | 9  | 5  | 3  | 4  | 6  | 7  | 5  | 4  | 2  |    |    |    |    |
| Jim Dandy      | 11 | 11 | 11 | 11 | 12 | 3  | 11 | 5  | 4  | 2  | 2  | 1  | 2  | 1  | 1  | 2  |
| Renegades      |    |    |    |    |    | 6  | 11 | 9  | 6  | 6  | 4  | 6  | 5  | 3  | 5  | 3  |
| Schussmeisters | 33 | 35 | 40 | 33 | 32 | 23 | 13 | 16 | 9  | 5  | 2  | 2  | 2  |    |    |    |
| Skiniks        | 24 | 18 | 13 | 14 | 15 | 16 | 11 | 11 | 13 | 12 | 14 | 14 | 12 | 13 | 16 | 13 |
| Skiwis         | 8  | 6  | 9  | 26 | 21 | 14 | 15 | 16 | 17 | 9  | 8  | 11 | 11 | 10 | 11 | 8  |
| Snow Drifters  | 7  | 10 | 8  | 13 | 19 | 18 | 10 | 13 | 9  | 12 | 12 | 16 | 16 | 21 | 20 | 12 |
| Team Rust      | 27 | 15 | 19 | 15 | 12 | 10 | 14 | 17 | 12 | 14 | 17 | 18 | 18 | 19 | 23 | 17 |
| Thunderbirds   | 31 | 33 | 29 | 25 | 26 | 19 | 31 | 23 | 22 | 21 | 21 | 21 | 19 | 16 | 21 | 16 |
| Toledo         | 7  |    |    | 13 | 13 | 13 | 22 | 19 | 17 | 17 | 22 | 24 | 23 | 17 | 19 | 19 |

### Turnout per Season and Race

Figure 1 shows graphically the turnout for each season going back to 1992 (except 1995—no files). Table 3 provides more detail, showing the turnout for each race in each season. These numbers include guest racers (starting in 2003).

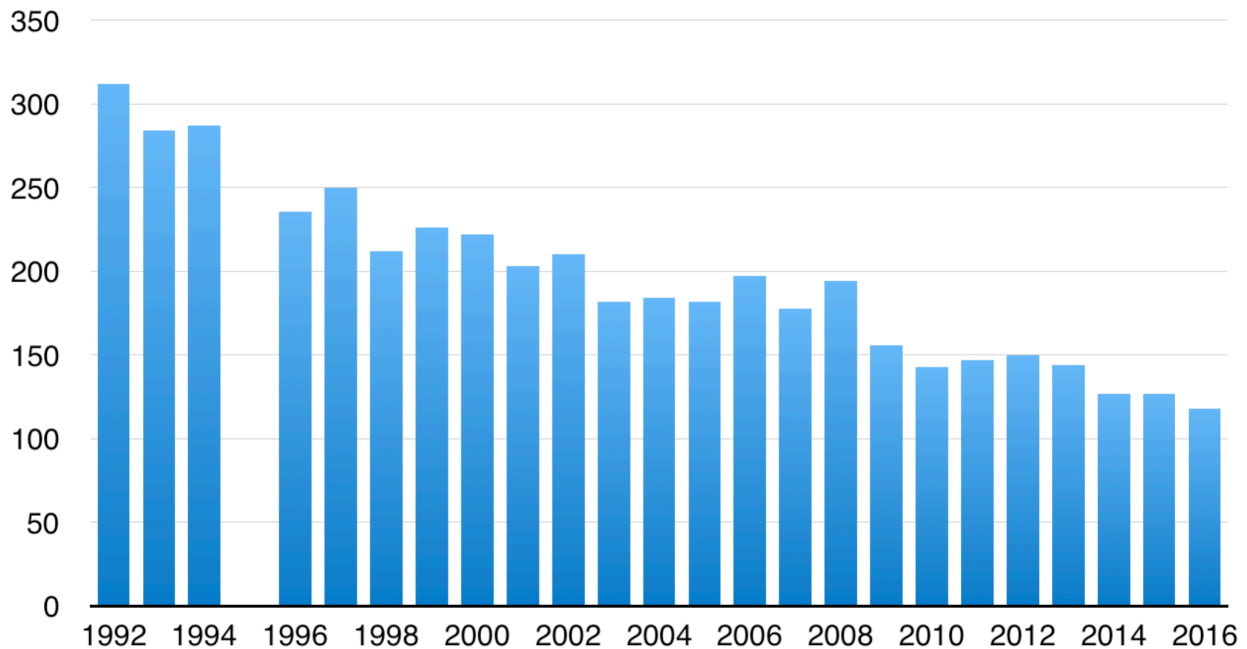


Figure 1. Turnout per season (Boyne only).

Searchmont and Marquette numbers are shown in italics for the years 1994 to 2016. The averages in the column “**Boyne**” do not include Searchmont, Marquette, or the Cantor Cup. The averages in the column “**Ave**” do not include the Cantor Cup for years after 1998.

Table 3. Turnout per race.

| Year | Ave | Boyne | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  |
|------|-----|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1992 | 286 | 312   | 360 | 353 | 316 | 320 | 203 | 204 | 299 | 297 | 246 | 286 | 267 |     |     |
| 1993 | 256 | 284   | 333 | 339 | 275 | 278 | 208 | 195 | 209 | 205 | 247 | 236 | 237 | 288 | 272 |
| 1994 | 262 | 287   | 304 | 293 | 298 | 292 | 282 | 269 | 191 | 214 | 212 | 232 | 286 | 268 |     |
| 1996 | 209 | 236   | 280 | 275 | 226 | 221 | 206 | 207 | 129 | 153 | 142 | 200 | 240 | 234 |     |
| 1997 | 212 | 250   | 254 |     | 253 | 261 | 255 | 259 | 129 | 127 | 122 | 204 | 244 | 229 |     |
| 1998 | 191 | 212   | 230 | 221 | 221 | 220 | 198 | 208 | 138 | 142 | 136 | 178 | 213 | 190 |     |
| 1999 | 203 | 226   | 245 | 230 | 225 | 210 | 214 | 226 | 153 | 158 | 152 | 194 | 229 | ?   |     |
| 2000 | 187 | 222*  | 238 | 221 | 227 | 226 | 217 | 203 | 143 | 134 | 133 | 143 | 179 | 108 |     |
| 2001 | 185 | 203   | 231 | 218 | 220 | 220 | 187 | 198 | 140 | 147 | 128 | 158 | 193 | 144 |     |
| 2002 | 176 | 210*  | 225 | 210 | 227 | 211 | 117 | 128 | 126 | 196 | 188 | 156 | 150 | ?   |     |
| 2003 | 165 | 182   | 201 | 200 | 194 | 195 | 114 | 121 | 123 | 176 | 163 | 149 | 181 | 123 |     |
| 2004 | 162 | 184   | 192 | 183 | 170 | 179 | 104 | 112 | 112 | 193 | 190 |     | 182 | 100 |     |
| 2005 | 162 | 182   | 201 | 197 | 175 | 174 | 189 | 183 | 100 | 116 | 114 | 157 | 179 | 92  |     |
| 2006 | 175 | 197   | 217 | 205 | 201 | 199 | 117 | 120 | 116 | 206 | 204 | 163 | 183 | 103 |     |
| 2007 | 160 | 178   | 179 | 173 | 189 | 180 | 111 | 115 | 113 | 191 | 165 | 168 | 181 | 109 |     |
| 2008 | 167 | 194   | 195 | 183 | 202 | 196 | 95  | 103 | 94  | 216 | 201 | 170 | 187 | 105 |     |
| 2009 | 134 | 156   | 174 | 158 | 164 | 155 | 74  | 78  | 75  | 161 | 156 | 135 | 144 | 83  |     |
| 2010 | 120 | 143   | 158 | 154 | 146 | 131 | 57  | 60  | 58  | 139 | 139 | 132 | 147 | 114 |     |
| 2011 | 123 | 147   | 155 | 155 | 149 | 150 | 56  | 61  | 59  | 140 | 148 | 129 | 149 | 119 |     |
| 2012 | 129 | 150   | 159 | 148 | 152 | 153 | 70  | 73  | 75  | 150 | 149 | 138 | 148 | 122 |     |
| 2013 | 120 | 144   | 148 | 140 | 145 | 146 | 51  | 56  | 58  | 141 | 145 | 131 | 155 |     |     |
| 2014 | 111 | 127   | 132 | 136 | 129 |     | 68  | 70  | 76  | 116 | 123 | 119 | 137 | 108 |     |
| 2015 | 127 | 127   | 133 | 132 | 127 | 130 | 104 | 123 | 128 | 133 | 129 | 124 | 139 | 98  |     |
| 2016 | 100 | 118   |     |     | 131 | 123 | 60  | 65  | 65  | 114 | 112 | 108 | 122 | 91  |     |

\*Average of first 6 Boyne 2000 / 2002 races (normal weather).

Our Boyne turnout went down from 127 to 118; average attendance for all races was down more (127 to 100) compared to last year, because we had three days at Searchmont contributing to the average. Although the Searchmont attendance was less than Boyne (54%), the turnout there was significantly better than the last time in 2013 (38%).

## Courses and Classes

Table 4 shows the attendance for the Boyne courses, including guests. Course 1 had the most racers. Next year, the E2 racers (E2W and E2M) should probably race on course 2.

Table 4. Course attendance at Boyne in 2016.

| Course | Reg. | Ave. | 3  | 4  | 9  | 10 | 11 |
|--------|------|------|----|----|----|----|----|
| 1      | 57   | 49   | 56 | 54 | 47 | 44 | 43 |
| 2      | 46   | 36   | 35 | 34 | 37 | 38 | 34 |
| 3      | 40   | 33   | 40 | 35 | 31 | 30 | 31 |

Table 5 shows the attendance for each of our 23 classes. It also includes the number of registrations per class at the end of the year.

Table 5. Attendance by class.

| Class                  | Reg. | Ave | 3  | 4 | 5 | 6 | 7 | 8  | 9  | 10 | 11 |
|------------------------|------|-----|----|---|---|---|---|----|----|----|----|
| Open Elite Men         | 10   | 4.9 | 6  | 7 | 3 | 3 | 3 | 6  | 5  | 8  | 8  |
| Elite-1 Men            | 9    | 5.7 | 10 | 8 | 4 | 4 | 4 | 7  | 8  | 5  | 7  |
| Elite-1 Men (Vet)      | 11   | 6.9 | 9  | 8 | 5 | 6 | 6 | 10 | 10 | 7  | 8  |
| Elite-1 Men (Supervet) | 5    | 3.1 | 4  | 4 | 3 | 3 | 3 | 3  | 3  | 4  | 4  |
| Elite-2 Men            | 6    | 3.5 | 5  | 5 | 2 | 2 | 2 | 5  | 4  | 5  | 5  |
| Elite-2 Men (Vet)      | 7    | 4.7 | 5  | 5 | 4 | 4 | 5 | 6  | 6  | 6  | 6  |
| A Men                  | 7    | 5.0 | 5  | 6 | 4 | 4 | 4 | 7  | 7  | 6  | 7  |
| A Men (Vet)            | 7    | 3.7 | 7  | 6 | 2 | 2 | 2 | 5  | 5  | 4  | 4  |
| A Men (Supervet)       | 6    | 3.7 | 4  | 4 | 3 | 3 | 3 | 4  | 5  | 5  | 6  |
| B Men                  | 8    | 4.1 | 6  | 6 | 2 | 2 | 2 | 6  | 6  | 5  | 6  |
| B Men (Vet)            | 10   | 5.0 | 7  | 6 | 3 | 4 | 3 | 7  | 7  | 6  | 6  |
| B Men (Supervet)       | 7    | 4.0 | 7  | 6 | 1 | 3 | 3 | 5  | 4  | 6  | 5  |
| C Men                  | 3    | 2.9 | 5  | 5 | 3 | 3 | 3 | 3  | 3  | 2  | 2  |
| C Men (Supervet)       | 4    | 2.5 | 4  | 3 | 2 | 2 | 2 | 3  | 3  | 3  | 3  |
| D Men                  | 5    | 2.7 | 4  | 4 | 2 | 2 | 2 | 4  | 4  | 3  | 2  |
| Open Elite Women       | 3    | 2.2 | 2  | 3 | 1 | 2 | 2 | 3  | 3  | 3  | 3  |
| Elite-1 Women          | 7    | 4.6 | 5  | 6 | 3 | 3 | 3 | 7  | 6  | 6  | 7  |
| Elite-2 Women          | 6    | 3.7 | 5  | 4 | 3 | 3 | 3 | 5  | 4  | 5  | 5  |
| A Women                | 2    | 1.5 | 2  | 2 | 1 | 1 | 1 | 2  | 2  | 2  | 2  |
| A Women (Vet)          | 6    | 2.3 | 3  | 3 | 1 | 1 | 1 | 3  | 3  | 3  | 5  |
| B Women                | 3    | 2.1 | 3  | 2 | 2 | 3 | 3 | 2  | 2  | 2  | 2  |
| C Women                | 8    | 5.0 | 7  | 7 | 4 | 4 | 4 | 6  | 6  | 6  | 6  |
| D Women                | 3    | 1.9 | 3  | 3 | 1 | 1 | 1 | 2  | 2  | 3  | 3  |

## Age Distribution

Table 6 shows information about the distribution of our registered racers by age over the past few years. Ages are based on Dec 31 before the first race of the season. The last three columns give ages at 25-percentile intervals: this season, 25% of our racers were 44 or younger, 50% were 56 or younger, and 75% were 62 or younger. That means about a quarter of our racers are between 56 and 62, and half are between 44 and 62.

Table 6. Distribution of racers by age.

| Season | Number of racers in different age groups |       |       |       |       |       |       |     |     | Percentile ages |     |     |
|--------|--|-------|-------|-------|-------|-------|-------|-----|-----|-----------------|-----|-----|
|        | 15-17                                    | 18-23 | 24-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80+ | All | 25%             | 50% | 75% |
| 2009   | 7  | 16    | 20    | 55    | 69    | 27    | 8     | 4   | 206 | 42              | 49  | 56  |
| 2010   | 7  | 8     | 21    | 41    | 59    | 29    | 7     | 3   | 175 | 42              | 50  | 58  |
| 2011   | 10                                       | 7     | 20    | 32    | 70    | 29    | 10    | 3   | 181 | 44              | 52  | 59  |
| 2012   | 6  | 11    | 22    | 30    | 69    | 28    | 9     | 1   | 176 | 43              | 52  | 58  |
| 2013   | 3  | 7     | 27    | 26    | 68    | 31    | 9     | 1   | 172 | 43              | 52  | 59  |
| 2014   | 5  | 9     | 15    | 22    | 63    | 33    | 11    | 1   | 159 | 45              | 54  | 60  |
| 2015   | 8  | 4     | 21    | 16    | 58    | 38    | 12    | 1   | 158 | 46              | 55  | 61  |
| 2016   | 7  | 4     | 19    | 11    | 51    | 38    | 12    | 1   | 143 | 44              | 56  | 62  |

Our numbers have been stable over the past few years for the older racers. As was the case last year, the table shows a drop for racers between 40 and 59, and no changes at all for racers 60 and older.