# Appendix Part 1. Classification Tables for Logistic Regression Equations for Irrigation 

## Tables

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Table A1-1. Classification table of probability levels for the logistic-regression equation for estimating the probability of turf-farm irrigation on a specific day in the Pawcatuck River Basin, southwestern Rhode Island and southeastern Connecticut, 2000-04.

> [Correct: The frequency with which days of irrigation are correctly classified. Incorrect: The frequency with which days of irrigation are incorrectly classified. Event: A day of irrigation. Nonevent: A day of no irrigation. Percentages: Correct: The probability that the equation correctly classifies the sample data for each probability cutpoint. Sensitivity: The ratio of correctly classified events to the total number of events. Specificity: The ratio of correctly classified nonevents to the total number of nonevents. False positive: The ratio of the number of nonevents incorrectly classified as events to the sum of all observations classified as events. False negative: The ratio of the number of events incorrectly classified as nonevents to the sum of all observations classified as nonevents. SAS Institute, Inc., 1995, p. 45-50. Note: Shaded row highlights the cutpoint probability chosen for this equation and the associated classification table information as discussed in Part 1 of this report. --, not applicable]

| Probability level (cutpoint) | Correct |  | Incorrect |  | Percentages |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Event | Nonevent | Event | Nonevent | Correct | Sensitivity | Specificity | False positive | False negative |
| 0.00 | 373 | 0 | 547 | 0 | 40.5 | 100.0 | 0.0 | 59.5 | -- |
| 0.02 | 371 | 45 | 502 | 2 | 45.2 | 99.5 | 8.2 | 57.5 | 4.3 |
| 0.04 | 364 | 81 | 466 | 9 | 48.4 | 97.6 | 14.8 | 56.1 | 10.0 |
| 0.06 | 363 | 122 | 425 | 10 | 52.7 | 97.3 | 22.3 | 53.9 | 7.6 |
| 0.08 | 361 | 143 | 404 | 12 | 54.8 | 96.8 | 26.1 | 52.8 | 7.7 |
| 0.10 | 354 | 163 | 384 | 19 | 56.2 | 94.9 | 29.8 | 52.0 | 10.4 |
| 0.12 | 351 | 189 | 358 | 22 | 58.7 | 94.1 | 34.6 | 50.5 | 10.4 |
| 0.14 | 349 | 216 | 331 | 24 | 61.4 | 93.6 | 39.5 | 48.7 | 10.0 |
| 0.16 | 348 | 240 | 307 | 25 | 63.9 | 93.3 | 43.9 | 46.9 | 9.4 |
| 0.18 | 342 | 261 | 286 | 31 | 65.5 | 91.7 | 47.7 | 45.5 | 10.6 |
| 0.20 | 340 | 286 | 261 | 33 | 68.0 | 91.2 | 52.3 | 43.4 | 10.3 |
| 0.22 | 333 | 308 | 239 | 40 | 69.7 | 89.3 | 56.3 | 41.8 | 11.5 |
| 0.24 | 326 | 319 | 228 | 47 | 70.1 | 87.4 | 58.3 | 41.2 | 12.8 |
| 0.26 | 322 | 342 | 205 | 51 | 72.2 | 86.3 | 62.5 | 38.9 | 13.0 |
| 0.28 | 321 | 365 | 182 | 52 | 74.6 | 86.1 | 66.7 | 36.2 | 12.5 |
| 0.30 | 315 | 382 | 165 | 58 | 75.8 | 84.5 | 69.8 | 34.4 | 13.2 |
| 0.32 | 307 | 394 | 153 | 66 | 76.2 | 82.3 | 72.0 | 33.3 | 14.3 |
| 0.34 | 302 | 406 | 141 | 71 | 77.0 | 81.0 | 74.2 | 31.8 | 14.9 |
| 0.36 | 300 | 412 | 135 | 73 | 77.4 | 80.4 | 75.3 | 31.0 | 15.1 |
| 0.38 | 294 | 421 | 126 | 79 | 77.7 | 78.8 | 77.0 | 30.0 | 15.8 |
| 0.40 | 289 | 427 | 120 | 84 | 77.8 | 77.5 | 78.1 | 29.3 | 16.4 |
| 0.42 | 288 | 440 | 107 | 85 | 79.1 | 77.2 | 80.4 | 27.1 | 16.2 |
| 0.44 | 283 | 453 | 94 | 90 | 80.0 | 75.9 | 82.8 | 24.9 | 16.6 |
| 0.46 | 279 | 462 | 85 | 94 | 80.5 | 74.8 | 84.5 | 23.4 | 16.9 |
| 0.48 | 278 | 466 | 81 | 95 | 80.9 | 74.5 | 85.2 | 22.6 | 16.9 |
| 0.50 | 273 | 470 | 77 | 100 | 80.8 | 73.2 | 85.9 | 22.0 | 17.5 |
| 0.52 | 264 | 474 | 73 | 109 | 80.2 | 70.8 | 86.7 | 21.7 | 18.7 |
| 0.54 | 258 | 482 | 65 | 115 | 80.4 | 69.2 | 88.1 | 20.1 | 19.3 |
| 0.56 | 249 | 490 | 57 | 124 | 80.3 | 66.8 | 89.6 | 18.6 | 20.2 |
| 0.58 | 239 | 493 | 54 | 134 | 79.6 | 64.1 | 90.1 | 18.4 | 21.4 |
| 0.60 | 231 | 495 | 52 | 142 | 78.9 | 61.9 | 90.5 | 18.4 | 22.3 |
| 0.62 | 224 | 503 | 44 | 149 | 79.0 | 60.1 | 92.0 | 16.4 | 22.9 |
| 0.64 | 213 | 506 | 41 | 160 | 78.2 | 57.1 | 92.5 | 16.1 | 24.0 |
| 0.66 | 206 | 513 | 34 | 167 | 78.2 | 55.2 | 93.8 | 14.2 | 24.6 |
| 0.68 | 199 | 515 | 32 | 174 | 77.6 | 53.4 | 94.1 | 13.9 | 25.3 |

Table A1-1. Classification table of probability levels for the logistic-regression equation for estimating the probability of turf-farm irrigation on a specific day in the Pawcatuck River Basin, southwestern Rhode Island and southeastern Connecticut, 2000-04. -Continued
[Correct: The frequency with which days of irrigation are correctly classified. Incorrect: The frequency with which days of irrigation are incorrectly classified. Event: A day of irrigation. Nonevent: A day of no irrigation. Percentages: Correct: The probability that the equation correctly classifies the sample data for each probability cutpoint. Sensitivity: The ratio of correctly classified events to the total number of events. Specificity: The ratio of correctly classified nonevents to the total number of nonevents. False positive: The ratio of the number of nonevents incorrectly classified as events to the sum of all observations classified as events. False negative: The ratio of the number of events incorrectly classified as nonevents to the sum of all observations classified as nonevents. SAS Institute, Inc., 1995, p. 45-50. Note: Shaded row highlights the cutpoint probability chosen for this equation and the associated classification table information as discussed in Part 1 of this report. --, not applicable]

| Probability level (cutpoint) | Correct |  | Incorrect |  | Percentages |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Event | Nonevent | Event | Nonevent | Correct | Sensitivity | Specificity | False positive | False negative |
| 0.70 | 189 | 520 | 27 | 184 | 77.1 | 50.7 | 95.1 | 12.5 | 26.1 |
| 0.72 | 182 | 526 | 21 | 191 | 77.0 | 48.8 | 96.2 | 10.3 | 26.6 |
| 0.74 | 174 | 531 | 16 | 199 | 76.6 | 46.6 | 97.1 | 8.4 | 27.3 |
| 0.76 | 163 | 534 | 13 | 210 | 75.8 | 43.7 | 97.6 | 7.4 | 28.2 |
| 0.78 | 154 | 536 | 11 | 219 | 75.0 | 41.3 | 98.0 | 6.7 | 29.0 |
| 0.80 | 145 | 537 | 10 | 228 | 74.1 | 38.9 | 98.2 | 6.5 | 29.8 |
| 0.82 | 126 | 538 | 9 | 247 | 72.2 | 33.8 | 98.4 | 6.7 | 31.5 |
| 0.84 | 111 | 538 | 9 | 262 | 70.5 | 29.8 | 98.4 | 7.5 | 32.8 |
| 0.86 | 95 | 542 | 5 | 278 | 69.2 | 25.5 | 99.1 | 5.0 | 33.9 |
| 0.88 | 83 | 545 | 2 | 290 | 68.3 | 22.3 | 99.6 | 2.4 | 34.7 |
| 0.90 | 68 | 547 | 0 | 305 | 66.8 | 18.2 | 100.0 | 0.0 | 35.8 |
| 0.92 | 55 | 547 | 0 | 318 | 65.4 | 14.7 | 100.0 | 0.0 | 36.8 |
| 0.94 | 41 | 547 | 0 | 332 | 63.9 | 11.0 | 100.0 | 0.0 | 37.8 |
| 0.96 | 15 | 547 | 0 | 358 | 61.1 | 4.0 | 100.0 | 0.0 | 39.6 |
| 0.98 | 2 | 547 | 0 | 371 | 59.7 | 0.5 | 100.0 | 0.0 | 40.4 |
| 1.00 | 0 | 547 | 0 | 373 | 59.5 | 0.0 | 100.0 | 0.0 | 40.5 |

Table A1-2. Classification table of probability levels for the logistic-regression equation for estimating the probability of golfcourse irrigation with surface-water withdrawals on a specific day in the Pawcatuck River Basin, southwestern Rhode Island and southeastern Connecticut, 2000-04.
[Correct: The frequency with which days of irrigation are correctly classified. Incorrect: The frequency with which days of irrigation are incorrectly classified. Event: A day of irrigation. Nonevent: A day of no irrigation. Percentages: Correct: The probability that the equation correctly classifies the sample data for each probability cutpoint. Sensitivity: The ratio of correctly classified events to the total number of events. Specificity: The ratio of correctly classified nonevents to the total number of nonevents. False positive: The ratio of the number of nonevents incorrectly classified as events to the sum of all observations classified as events. False negative: The ratio of the number of events incorrectly classified as nonevents to the sum of all observations classified as nonevents. SAS Institute, Inc., 1995, p. 45-50. Note: Shaded row highlights the cutpoint probability chosen for this equation and the associated classification table information as discussed in Part 1 of this report. --, not applicable]

| Probability level (cutpoint) | Correct |  | Incorrect |  | Percentages |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Event | Nonevent | Event | Nonevent | Correct | Sensitivity | Specificity | False positive | False negative |
| 0.00 | 374 | 0 | 701 | 0 | 34.8 | 100.0 | 0.0 | 65.2 | -- |
| 0.02 | 369 | 98 | 603 | 5 | 43.4 | 98.7 | 14.0 | 62.0 | 4.9 |
| 0.04 | 366 | 159 | 542 | 8 | 48.8 | 97.9 | 22.7 | 59.7 | 4.8 |
| 0.06 | 363 | 204 | 497 | 11 | 52.7 | 97.1 | 29.1 | 57.8 | 5.1 |
| 0.08 | 363 | 238 | 463 | 11 | 55.9 | 97.1 | 34.0 | 56.1 | 4.4 |
| 0.10 | 361 | 269 | 432 | 13 | 58.6 | 96.5 | 38.4 | 54.5 | 4.6 |
| 0.12 | 359 | 297 | 404 | 15 | 61.0 | 96.0 | 42.4 | 52.9 | 4.8 |
| 0.14 | 357 | 332 | 369 | 17 | 64.1 | 95.5 | 47.4 | 50.8 | 4.9 |
| 0.16 | 354 | 366 | 335 | 20 | 67.0 | 94.7 | 52.2 | 48.6 | 5.2 |
| 0.18 | 350 | 389 | 312 | 24 | 68.7 | 93.6 | 55.5 | 47.1 | 5.8 |
| 0.20 | 349 | 418 | 283 | 25 | 71.3 | 93.3 | 59.6 | 44.8 | 5.6 |
| 0.22 | 343 | 442 | 259 | 31 | 73.0 | 91.7 | 63.1 | 43.0 | 6.6 |
| 0.24 | 337 | 461 | 240 | 37 | 74.2 | 90.1 | 65.8 | 41.6 | 7.4 |
| 0.26 | 327 | 482 | 219 | 47 | 75.3 | 87.4 | 68.8 | 40.1 | 8.9 |
| 0.28 | 319 | 506 | 195 | 55 | 76.7 | 85.3 | 72.2 | 37.9 | 9.8 |
| 0.30 | 307 | 515 | 186 | 67 | 76.5 | 82.1 | 73.5 | 37.7 | 11.5 |
| 0.32 | 305 | 529 | 172 | 69 | 77.6 | 81.6 | 75.5 | 36.1 | 11.5 |
| 0.34 | 297 | 544 | 157 | 77 | 78.2 | 79.4 | 77.6 | 34.6 | 12.4 |
| 0.36 | 294 | 555 | 146 | 80 | 79.0 | 78.6 | 79.2 | 33.2 | 12.6 |
| 0.38 | 284 | 566 | 135 | 90 | 79.1 | 75.9 | 80.7 | 32.2 | 13.7 |
| 0.40 | 280 | 572 | 129 | 94 | 79.3 | 74.9 | 81.6 | 31.5 | 14.1 |
| 0.42 | 265 | 580 | 121 | 109 | 78.6 | 70.9 | 82.7 | 31.3 | 15.8 |
| 0.44 | 260 | 588 | 113 | 114 | 78.9 | 69.5 | 83.9 | 30.3 | 16.2 |
| 0.46 | 252 | 592 | 109 | 122 | 78.5 | 67.4 | 84.5 | 30.2 | 17.1 |
| 0.48 | 244 | 598 | 103 | 130 | 78.3 | 65.2 | 85.3 | 29.7 | 17.9 |
| 0.50 | 240 | 600 | 101 | 134 | 78.1 | 64.2 | 85.6 | 29.6 | 18.3 |
| 0.52 | 232 | 608 | 93 | 142 | 78.1 | 62.0 | 86.7 | 28.6 | 18.9 |
| 0.54 | 225 | 614 | 87 | 149 | 78.0 | 60.2 | 87.6 | 27.9 | 19.5 |
| 0.56 | 220 | 619 | 82 | 154 | 78.0 | 58.8 | 88.3 | 27.2 | 19.9 |
| 0.58 | 211 | 626 | 75 | 163 | 77.9 | 56.4 | 89.3 | 26.2 | 20.7 |
| 0.60 | 204 | 630 | 71 | 170 | 77.6 | 54.5 | 89.9 | 25.8 | 21.3 |
| 0.62 | 192 | 639 | 62 | 182 | 77.3 | 51.3 | 91.2 | 24.4 | 22.2 |
| 0.64 | 178 | 648 | 53 | 196 | 76.8 | 47.6 | 92.4 | 22.9 | 23.2 |
| 0.66 | 169 | 652 | 49 | 205 | 76.4 | 45.2 | 93.0 | 22.5 | 23.9 |
| 0.68 | 160 | 657 | 44 | 214 | 76.0 | 42.8 | 93.7 | 21.6 | 24.6 |

Table A1-2. Classification table of probability levels for the logistic-regression equation for estimating the probability of golfcourse irrigation with surface-water withdrawals on a specific day in the Pawcatuck River Basin, southwestern Rhode Island and southeastern Connecticut, 2000-04.-Continued
[Correct: The frequency with which days of irrigation are correctly classified. Incorrect: The frequency with which days of irrigation are incorrectly classified. Event: A day of irrigation. Nonevent: A day of no irrigation. Percentages: Correct: The probability that the equation correctly classifies the sample data for each probability cutpoint. Sensitivity: The ratio of correctly classified events to the total number of events. Specificity: The ratio of correctly classified nonevents to the total number of nonevents. False positive: The ratio of the number of nonevents incorrectly classified as events to the sum of all observations classified as events. False negative: The ratio of the number of events incorrectly classified as nonevents to the sum of all observations classified as nonevents. SAS Institute, Inc., 1995, p. 45-50. Note: Shaded row highlights the cutpoint probability chosen for this equation and the associated classification table information as discussed in Part 1 of this report. --, not applicable]

| Probability level (cutpoint) | Correct |  | Incorrect |  | Percentages |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Event | Nonevent | Event | Nonevent | Correct | Sensitivity | Specificity | False positive | False negative |
| 0.70 | 149 | 665 | 36 | 225 | 75.7 | 39.8 | 94.9 | 19.5 | 25.3 |
| 0.72 | 143 | 670 | 31 | 231 | 75.6 | 38.2 | 95.6 | 17.8 | 25.6 |
| 0.74 | 134 | 673 | 28 | 240 | 75.1 | 35.8 | 96.0 | 17.3 | 26.3 |
| 0.76 | 116 | 678 | 23 | 258 | 73.9 | 31.0 | 96.7 | 16.5 | 27.6 |
| 0.78 | 102 | 684 | 17 | 272 | 73.1 | 27.3 | 97.6 | 14.3 | 28.5 |
| 0.80 | 91 | 689 | 12 | 283 | 72.6 | 24.3 | 98.3 | 11.7 | 29.1 |
| 0.82 | 75 | 692 | 9 | 299 | 71.3 | 20.1 | 98.7 | 10.7 | 30.2 |
| 0.84 | 68 | 694 | 7 | 306 | 70.9 | 18.2 | 99.0 | 9.3 | 30.6 |
| 0.86 | 57 | 699 | 2 | 317 | 70.3 | 15.2 | 99.7 | 3.4 | 31.2 |
| 0.88 | 47 | 701 | 0 | 327 | 69.6 | 12.6 | 100.0 | 0.0 | 31.8 |
| 0.90 | 30 | 701 | 0 | 344 | 68.0 | 8.0 | 100.0 | 0.0 | 32.9 |
| 0.92 | 16 | 701 | 0 | 358 | 66.7 | 4.3 | 100.0 | 0.0 | 33.8 |
| 0.94 | 5 | 701 | 0 | 369 | 65.7 | 1.3 | 100.0 | 0.0 | 34.5 |
| 0.96 | 2 | 701 | 0 | 372 | 65.4 | 0.5 | 100.0 | 0.0 | 34.7 |
| 0.98 | 0 | 701 | 0 | 374 | 65.2 | 0.0 | 100.0 | 0.0 | 34.8 |

Table A1-3. Classification table of probability levels for the logistic-regression equation for estimating the probability of golf-course irrigation with groundwater withdrawals on a specific day in the Pawcatuck River Basin, southwestern Rhode Island and southeastern Connecticut.
[Correct: The frequency with which days of irrigation are correctly classified. Incorrect: The frequency with which days of irrigation are incorrectly classified. Event: A day of irrigation. Nonevent: A day of no irrigation. Percentages: Correct: The probability that the equation correctly classifies the sample data for each probability cutpoint. Sensitivity: The ratio of correctly classified events to the total number of events. Specificity: The ratio of correctly classified nonevents to the total number of nonevents. False positive: The ratio of the number of nonevents incorrectly classified as events to the sum of all observations classified as events. False negative: The ratio of the number of events incorrectly classified as nonevents to the sum of all observations classified as nonevents. SAS Institute, Inc., 1995, p. 45-50. Note: Shaded row highlights the cutpoint probability chosen for this equation and the associated classification table information as discussed in Part 1 of this report. --, not applicable]

| Probability level (cutpoint) | Correct |  | Incorrect |  | Percentages |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Event | Nonevent | Event | Nonevent | Correct | Sensitivity | Specificity | False positive | False negative |
| 0.10 | 472 | 0 | 96 | 0 | 83.1 | 100.0 | 0.0 | 16.9 | -- |
| 0.12 | 471 | 1 | 95 | 1 | 83.1 | 99.8 | 1.0 | 16.8 | 50.0 |
| 0.14 | 471 | 4 | 92 | 1 | 83.6 | 99.8 | 4.2 | 16.3 | 20.0 |
| 0.16 | 471 | 5 | 91 | 1 | 83.8 | 99.8 | 5.2 | 16.2 | 16.7 |
| 0.18 | 471 | 5 | 91 | 1 | 83.8 | 99.8 | 5.2 | 16.2 | 16.7 |
| 0.20 | 471 | 5 | 91 | 1 | 83.8 | 99.8 | 5.2 | 16.2 | 16.7 |
| 0.24 | 471 | 7 | 89 | 1 | 84.2 | 99.8 | 7.3 | 15.9 | 12.5 |
| 0.26 | 471 | 9 | 87 | 1 | 84.5 | 99.8 | 9.4 | 15.6 | 10.0 |
| 0.28 | 471 | 9 | 87 | 1 | 84.5 | 99.8 | 9.4 | 15.6 | 10.0 |
| 0.30 | 470 | 9 | 87 | 2 | 84.3 | 99.6 | 9.4 | 15.6 | 18.2 |
| 0.32 | 470 | 13 | 83 | 2 | 85.0 | 99.6 | 13.5 | 15.0 | 13.3 |
| 0.34 | 468 | 17 | 79 | 4 | 85.4 | 99.2 | 17.7 | 14.4 | 19.0 |
| 0.36 | 468 | 22 | 74 | 4 | 86.3 | 99.2 | 22.9 | 13.7 | 15.4 |
| 0.38 | 463 | 25 | 71 | 9 | 85.9 | 98.1 | 26.0 | 13.3 | 26.5 |
| 0.40 | 463 | 27 | 69 | 9 | 86.3 | 98.1 | 28.1 | 13.0 | 25.0 |
| 0.42 | 462 | 27 | 69 | 10 | 86.1 | 97.9 | 28.1 | 13.0 | 27.0 |
| 0.44 | 458 | 29 | 67 | 14 | 85.7 | 97.0 | 30.2 | 12.8 | 32.6 |
| 0.46 | 456 | 32 | 64 | 16 | 85.9 | 96.6 | 33.3 | 12.3 | 33.3 |
| 0.48 | 455 | 38 | 58 | 17 | 86.8 | 96.4 | 39.6 | 11.3 | 30.9 |
| 0.50 | 451 | 43 | 53 | 21 | 87.0 | 95.6 | 44.8 | 10.5 | 32.8 |
| 0.52 | 448 | 46 | 50 | 24 | 87.0 | 94.9 | 47.9 | 10.0 | 34.3 |
| 0.54 | 441 | 50 | 46 | 31 | 86.4 | 93.4 | 52.1 | 9.4 | 38.3 |
| 0.56 | 437 | 53 | 43 | 35 | 86.3 | 92.6 | 55.2 | 9.0 | 39.8 |
| 0.58 | 431 | 56 | 40 | 41 | 85.7 | 91.3 | 58.3 | 8.5 | 42.3 |
| 0.60 | 421 | 58 | 38 | 51 | 84.3 | 89.2 | 60.4 | 8.3 | 46.8 |
| 0.62 | 417 | 60 | 36 | 55 | 84.0 | 88.3 | 62.5 | 7.9 | 47.8 |
| 0.64 | 410 | 64 | 32 | 62 | 83.5 | 86.9 | 66.7 | 7.2 | 49.2 |
| 0.66 | 407 | 68 | 28 | 65 | 83.6 | 86.2 | 70.8 | 6.4 | 48.9 |
| 0.68 | 404 | 71 | 25 | 68 | 83.6 | 85.6 | 74.0 | 5.8 | 48.9 |
| 0.70 | 402 | 74 | 22 | 70 | 83.8 | 85.2 | 77.1 | 5.2 | 48.6 |
| 0.72 | 400 | 74 | 22 | 72 | 83.5 | 84.7 | 77.1 | 5.2 | 49.3 |
| 0.74 | 399 | 75 | 21 | 73 | 83.5 | 84.5 | 78.1 | 5.0 | 49.3 |
| 0.76 | 396 | 75 | 21 | 76 | 82.9 | 83.9 | 78.1 | 5.0 | 50.3 |
| 0.78 | 389 | 76 | 20 | 83 | 81.9 | 82.4 | 79.2 | 4.9 | 52.2 |
| 0.80 | 378 | 76 | 20 | 94 | 79.9 | 80.1 | 79.2 | 5.0 | 55.3 |

Table A1-3. Classification table of probability levels for the logistic-regression equation for estimating the probability of golf-course irrigation with groundwater withdrawals on a specific day in the Pawcatuck River Basin, southwestern Rhode Island and southeastern Connecticut.-Continued
[Correct: The frequency with which days of irrigation are correctly classified. Incorrect: The frequency with which days of irrigation are incorrectly classified. Event: A day of irrigation. Nonevent: A day of no irrigation. Percentages: Correct: The probability that the equation correctly classifies the sample data for each probability cutpoint. Sensitivity: The ratio of correctly classified events to the total number of events. Specificity: The ratio of correctly classified nonevents to the total number of nonevents. False positive: The ratio of the number of nonevents incorrectly classified as events to the sum of all observations classified as events. False negative: The ratio of the number of events incorrectly classified as nonevents to the sum of all observations classified as nonevents. SAS Institute, Inc., 1995, p. 45-50. Note: Shaded row highlights the cutpoint probability chosen for this equation and the associated classification table information as discussed in Part 1 of this report. --, not applicable]

| Probability level (cutpoint) | Correct |  | Incorrect |  | Percentages |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Event | Nonevent | Event | Nonevent | Correct | Sensitivity | Specificity | False positive | False negative |
| 0.82 | 370 | 77 | 19 | 102 | 78.7 | 78.4 | 80.2 | 4.9 | 57.0 |
| 0.84 | 367 | 78 | 18 | 105 | 78.3 | 77.8 | 81.3 | 4.7 | 57.4 |
| 0.86 | 358 | 82 | 14 | 114 | 77.5 | 75.8 | 85.4 | 3.8 | 58.2 |
| 0.88 | 343 | 84 | 12 | 129 | 75.2 | 72.7 | 87.5 | 3.4 | 60.6 |
| 0.90 | 326 | 85 | 11 | 146 | 72.4 | 69.1 | 88.5 | 3.3 | 63.2 |
| 0.92 | 304 | 89 | 7 | 168 | 69.2 | 64.4 | 92.7 | 2.3 | 65.4 |
| 0.94 | 279 | 90 | 6 | 193 | 65.0 | 59.1 | 93.8 | 2.1 | 68.2 |
| 0.96 | 247 | 92 | 4 | 225 | 59.7 | 52.3 | 95.8 | 1.6 | 71.0 |
| 0.98 | 187 | 94 | 2 | 285 | 49.5 | 39.6 | 97.9 | 1.1 | 75.2 |
| 1.00 | 0 | 96 | 0 | 472 | 16.9 | 0.0 | 100.0 | -- | 83.1 |

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