

Appendix J

ANALYSIS OF EQUATING ITEMS

Table J-1. 2010 MCAS: Delta Analysis Results – English Language Arts Grade 3

| <i>Item Number</i> | <i>Old P</i> | <i>New P</i> | <i>Old Delta</i> | <i>New Delta</i> | <i>Line</i> | <i>Max</i> | <i>Discard</i> | <i>Std</i> |
|--------------------|--------------|--------------|------------------|------------------|-------------|------------|----------------|------------|
| 220171 | 0.86 | 0.84 | 8.68 | 9.02 | 8.97 | 1 | False | 0.00 |
| 220175 | 0.77 | 0.75 | 10.04 | 10.30 | 10.26 | 1 | False | -0.38 |
| 220181 | 0.75 | 0.76 | 10.30 | 10.17 | 10.13 | 1 | False | -0.58 |
| 220185 | 0.83 | 0.82 | 9.18 | 9.34 | 9.29 | 1 | False | -0.87 |
| 220194 | 0.70 | 0.69 | 10.90 | 11.02 | 10.98 | 1 | False | -1.03 |
| 220196 | 0.74 | 0.74 | 10.43 | 10.43 | 10.38 | 1 | False | -1.18 |
| 220197 | 0.67 | 0.63 | 11.24 | 11.67 | 11.64 | 1 | False | 0.46 |
| 220199 | 0.80 | 0.79 | 9.63 | 9.77 | 9.73 | 1 | False | -0.93 |
| 220200 | 0.79 | 0.73 | 9.77 | 10.55 | 10.51 | 1 | False | 2.02 |
| 220220 | 0.80 | 0.85 | 9.63 | 8.85 | 8.81 | 1 | False | 2.46 |
| 220255 | 0.49 | 0.44 | 13.13 | 13.60 | 13.58 | 4 | False | 0.71 |
| 231813 | 0.86 | 0.85 | 8.68 | 8.85 | 8.81 | 1 | False | -0.78 |
| 231816 | 0.89 | 0.85 | 8.09 | 8.85 | 8.81 | 1 | False | 1.92 |
| 231821 | 0.68 | 0.69 | 11.13 | 11.02 | 10.98 | 1 | False | -0.67 |
| 231823 | 0.78 | 0.73 | 9.91 | 10.55 | 10.51 | 1 | False | 1.39 |
| 231828 | 0.55 | 0.58 | 12.50 | 12.19 | 12.16 | 1 | False | 0.20 |
| 231830 | 0.36 | 0.36 | 14.49 | 14.46 | 14.44 | 4 | False | -1.14 |
| 234878 | 0.68 | 0.65 | 11.13 | 11.46 | 11.42 | 1 | False | -0.02 |
| 234879 | 0.82 | 0.83 | 9.34 | 9.18 | 9.14 | 1 | False | -0.43 |
| 234880 | 0.89 | 0.87 | 8.09 | 8.49 | 8.44 | 1 | False | 0.25 |
| 234882 | 0.87 | 0.89 | 8.49 | 8.09 | 8.04 | 1 | False | 0.72 |
| 269970 | 0.83 | 0.86 | 9.18 | 8.68 | 8.63 | 1 | False | 1.19 |
| 269977 | 0.82 | 0.82 | 9.34 | 9.34 | 9.29 | 1 | False | -1.16 |
| 269991 | 0.76 | 0.78 | 10.17 | 9.91 | 9.87 | 1 | False | 0.05 |
| 269997 | 0.77 | 0.78 | 10.04 | 9.91 | 9.87 | 1 | False | -0.55 |
| 270003 | 0.62 | 0.64 | 11.78 | 11.57 | 11.53 | 1 | False | -0.22 |
| 270025 | 0.75 | 0.75 | 10.30 | 10.30 | 10.26 | 1 | False | -1.18 |
| 270033 | 0.79 | 0.80 | 9.77 | 9.63 | 9.59 | 1 | False | -0.51 |
| 270039 | 0.34 | 0.37 | 14.65 | 14.38 | 14.36 | 4 | False | -0.01 |
| 272193 | 0.81 | 0.83 | 9.49 | 9.18 | 9.14 | 1 | False | 0.26 |

Table J-2. 2010 MCAS: Delta Analysis Results – English Language Arts Grade 4

| <i>Item Number</i> | <i>Old P</i> | <i>New P</i> | <i>Old Delta</i> | <i>New Delta</i> | <i>Line</i> | <i>Max</i> | <i>Discard</i> | <i>Std</i> |
|--------------------|--------------|--------------|------------------|------------------|-------------|------------|----------------|------------|
| 227630 | 0.86 | 0.87 | 8.68 | 8.49 | 8.42 | 1 | False | 0.81 |
| 227631 | 0.84 | 0.83 | 9.02 | 9.18 | 9.15 | 1 | False | -0.42 |
| 227635 | 0.85 | 0.83 | 8.85 | 9.18 | 9.15 | 1 | False | 1.11 |
| 227641 | 0.87 | 0.86 | 8.49 | 8.68 | 8.61 | 1 | False | -0.50 |
| 227651 | 0.89 | 0.88 | 8.09 | 8.30 | 8.21 | 1 | False | -0.52 |
| 227653 | 0.88 | 0.88 | 8.30 | 8.30 | 8.21 | 1 | False | -0.75 |
| 227654 | 0.90 | 0.91 | 7.87 | 7.64 | 7.50 | 1 | False | 1.78 |
| 227656 | 0.80 | 0.79 | 9.63 | 9.77 | 9.78 | 1 | False | -0.26 |
| 227657 | 0.91 | 0.91 | 7.64 | 7.64 | 7.50 | 1 | False | -0.37 |
| 227660 | 0.55 | 0.56 | 12.55 | 12.45 | 12.62 | 4 | False | -0.93 |
| 228215 | 0.81 | 0.82 | 9.49 | 9.34 | 9.31 | 1 | False | 0.01 |
| 228225 | 0.90 | 0.89 | 7.87 | 8.09 | 7.99 | 1 | False | -0.51 |
| 228290 | 0.65 | 0.65 | 11.46 | 11.46 | 11.57 | 1 | False | -0.57 |
| 232874 | 0.65 | 0.64 | 11.46 | 11.57 | 11.68 | 1 | False | 0.46 |
| 232875 | 0.72 | 0.74 | 10.67 | 10.43 | 10.47 | 1 | False | 0.23 |
| 232876 | 0.83 | 0.82 | 9.18 | 9.34 | 9.31 | 1 | False | -0.38 |
| 232883 | 0.83 | 0.85 | 9.18 | 8.85 | 8.80 | 1 | False | 1.92 |
| 232887 | 0.78 | 0.81 | 9.91 | 9.49 | 9.47 | 1 | False | 2.41 |
| 232889 | 0.41 | 0.47 | 13.88 | 13.30 | 13.53 | 4 | False | 1.68 |
| 241003 | 0.52 | 0.53 | 12.80 | 12.70 | 12.89 | 1 | False | -0.78 |
| 244112 | 0.65 | 0.68 | 11.46 | 11.13 | 11.22 | 1 | False | 0.62 |
| 256081 | 0.80 | 0.79 | 9.63 | 9.77 | 9.78 | 1 | False | -0.26 |
| 256084 | 0.87 | 0.87 | 8.49 | 8.49 | 8.42 | 1 | False | -0.86 |
| 256149 | 0.73 | 0.73 | 10.55 | 10.55 | 10.60 | 1 | False | -1.10 |
| 256150 | 0.83 | 0.82 | 9.18 | 9.34 | 9.31 | 1 | False | -0.38 |
| 256164 | 0.71 | 0.71 | 10.79 | 10.79 | 10.85 | 1 | False | -0.96 |
| 256173 | 0.77 | 0.77 | 10.04 | 10.04 | 10.06 | 1 | False | -1.39 |
| 256184 | 0.66 | 0.66 | 11.35 | 11.35 | 11.45 | 1 | False | -0.64 |
| 256192 | 0.84 | 0.83 | 9.02 | 9.18 | 9.15 | 1 | False | -0.42 |
| 256199 | 0.84 | 0.82 | 9.02 | 9.34 | 9.31 | 1 | False | 1.08 |
| 256212 | 0.47 | 0.50 | 13.28 | 13.03 | 13.23 | 4 | False | -1.19 |
| 256807 | 0.80 | 0.78 | 9.63 | 9.91 | 9.92 | 1 | False | 1.06 |

Table J-3. 2010 MCAS: Delta Analysis Results – English Language Arts Grade 5

| <i>Item Number</i> | <i>Old P</i> | <i>New P</i> | <i>Old Delta</i> | <i>New Delta</i> | <i>Line</i> | <i>Max</i> | <i>Discard</i> | <i>Std</i> |
|--------------------|--------------|--------------|------------------|------------------|-------------|------------|----------------|------------|
| 205133 | 0.69 | 0.68 | 11.02 | 11.13 | 11.17 | 1 | False | -0.36 |
| 205134 | 0.60 | 0.58 | 11.99 | 12.19 | 12.36 | 1 | False | 0.61 |
| 205136 | 0.80 | 0.77 | 9.63 | 10.04 | 9.95 | 1 | False | 0.37 |
| 205139 | 0.88 | 0.86 | 8.30 | 8.68 | 8.42 | 1 | False | -0.49 |
| 205143 | 0.74 | 0.74 | 10.43 | 10.43 | 10.38 | 1 | False | -0.81 |
| 205145 | 0.91 | 0.90 | 7.64 | 7.87 | 7.52 | 1 | False | -0.49 |
| 205146 | 0.61 | 0.60 | 11.88 | 11.99 | 12.13 | 1 | False | 0.06 |
| 205147 | 0.76 | 0.76 | 10.17 | 10.17 | 10.10 | 1 | False | -0.68 |
| 205148 | 0.67 | 0.64 | 11.24 | 11.57 | 11.66 | 1 | False | 0.80 |
| 205153 | 0.53 | 0.54 | 12.72 | 12.62 | 12.84 | 4 | False | -0.50 |
| 208719 | 0.59 | 0.61 | 12.09 | 11.88 | 12.01 | 1 | False | -0.68 |
| 208721 | 0.68 | 0.72 | 11.13 | 10.67 | 10.65 | 1 | False | 1.07 |
| 208722 | 0.86 | 0.86 | 8.68 | 8.68 | 8.42 | 1 | False | 0.11 |
| 208724 | 0.94 | 0.88 | 6.78 | 8.30 | 8.00 | 1 | True | 4.28 |
| 208726 | 0.75 | 0.75 | 10.30 | 10.30 | 10.24 | 1 | False | -0.75 |
| 208735 | 0.74 | 0.73 | 10.43 | 10.55 | 10.52 | 1 | False | -0.62 |
| 208738 | 0.71 | 0.72 | 10.79 | 10.67 | 10.65 | 1 | False | -0.43 |
| 208741 | 0.79 | 0.81 | 9.77 | 9.49 | 9.33 | 1 | False | 0.93 |
| 208743 | 0.84 | 0.82 | 9.02 | 9.34 | 9.16 | 1 | False | -0.42 |
| 208744 | 0.83 | 0.82 | 9.18 | 9.34 | 9.16 | 1 | False | -0.91 |
| 208765 | 0.65 | 0.65 | 11.46 | 11.51 | 11.60 | 4 | False | -0.41 |
| 224840 | 0.81 | 0.80 | 9.49 | 9.63 | 9.49 | 1 | False | -1.01 |
| 224843 | 0.71 | 0.74 | 10.79 | 10.43 | 10.38 | 1 | False | 0.76 |
| 224846 | 0.76 | 0.77 | 10.17 | 10.04 | 9.95 | 1 | False | -0.04 |
| 224854 | 0.74 | 0.74 | 10.43 | 10.43 | 10.38 | 1 | False | -0.81 |
| 224858 | 0.78 | 0.79 | 9.91 | 9.77 | 9.65 | 1 | False | 0.13 |
| 224867 | 0.49 | 0.50 | 13.08 | 13.03 | 13.29 | 4 | False | -0.06 |
| 250901 | 0.83 | 0.84 | 9.18 | 9.02 | 8.81 | 1 | False | 0.63 |
| 266157 | 0.76 | 0.76 | 10.17 | 10.17 | 10.10 | 1 | False | -0.68 |
| 266158 | 0.83 | 0.82 | 9.18 | 9.34 | 9.16 | 1 | False | -0.91 |
| 266159 | 0.82 | 0.82 | 9.34 | 9.34 | 9.16 | 1 | False | -0.24 |
| 266166 | 0.64 | 0.69 | 11.57 | 11.02 | 11.04 | 1 | False | 1.27 |
| 266171 | 0.67 | 0.65 | 11.24 | 11.46 | 11.54 | 1 | False | 0.28 |

Table J-4. 2010 MCAS: Delta Analysis Results – English Language Arts Grade 6

| <i>Item Number</i> | <i>Old P</i> | <i>New P</i> | <i>Old Delta</i> | <i>New Delta</i> | <i>Line</i> | <i>Max</i> | <i>Discard</i> | <i>Std</i> |
|--------------------|--------------|--------------|------------------|------------------|-------------|------------|----------------|------------|
| 203337 | 0.74 | 0.72 | 10.43 | 10.67 | 10.65 | 1 | False | -0.12 |
| 203340 | 0.86 | 0.87 | 8.68 | 8.49 | 8.43 | 1 | False | -0.01 |
| 203343 | 0.59 | 0.65 | 12.09 | 11.46 | 11.45 | 1 | False | 1.31 |
| 203344 | 0.70 | 0.60 | 10.90 | 11.99 | 11.99 | 1 | False | 2.88 |
| 203348 | 0.77 | 0.76 | 10.04 | 10.17 | 10.14 | 1 | False | -0.54 |
| 203352 | 0.58 | 0.68 | 12.19 | 11.10 | 11.09 | 4 | False | 2.92 |
| 207439 | 0.78 | 0.79 | 9.91 | 9.77 | 9.73 | 1 | False | -0.27 |
| 207442 | 0.90 | 0.88 | 7.87 | 8.30 | 8.23 | 1 | False | 0.34 |
| 207446 | 0.82 | 0.81 | 9.34 | 9.49 | 9.44 | 1 | False | -0.52 |
| 207448 | 0.82 | 0.85 | 9.34 | 8.85 | 8.79 | 1 | False | 0.99 |
| 207449 | 0.67 | 0.68 | 11.24 | 11.13 | 11.12 | 1 | False | -0.46 |
| 207450 | 0.91 | 0.91 | 7.64 | 7.64 | 7.55 | 1 | False | -0.58 |
| 207455 | 0.46 | 0.46 | 13.40 | 13.40 | 13.44 | 1 | False | -0.75 |
| 207464 | 0.89 | 0.89 | 8.09 | 8.09 | 8.02 | 1 | False | -0.62 |
| 207473 | 0.83 | 0.83 | 9.18 | 9.18 | 9.13 | 1 | False | -0.70 |
| 207479 | 0.79 | 0.78 | 9.77 | 9.91 | 9.87 | 1 | False | -0.54 |
| 207484 | 0.85 | 0.86 | 8.85 | 8.68 | 8.61 | 1 | False | -0.05 |
| 207497 | 0.77 | 0.75 | 10.04 | 10.30 | 10.27 | 1 | False | -0.09 |
| 207499 | 0.72 | 0.64 | 10.67 | 11.57 | 11.56 | 1 | False | 2.20 |
| 207502 | 0.81 | 0.78 | 9.49 | 9.91 | 9.87 | 1 | False | 0.45 |
| 207508 | 0.55 | 0.58 | 12.47 | 12.22 | 12.23 | 4 | False | -0.05 |
| 213331 | 0.83 | 0.82 | 9.18 | 9.34 | 9.29 | 1 | False | -0.52 |
| 245080 | 0.61 | 0.61 | 11.88 | 11.88 | 11.89 | 1 | False | -0.86 |
| 245081 | 0.54 | 0.53 | 12.60 | 12.70 | 12.72 | 1 | False | -0.45 |
| 245083 | 0.62 | 0.61 | 11.78 | 11.88 | 11.89 | 1 | False | -0.50 |
| 245085 | 0.57 | 0.57 | 12.27 | 12.29 | 12.31 | 4 | False | -0.74 |
| 250746 | 0.58 | 0.62 | 12.19 | 11.78 | 11.78 | 1 | False | 0.54 |
| 250747 | 0.72 | 0.72 | 10.67 | 10.67 | 10.65 | 1 | False | -0.81 |
| 257352 | 0.73 | 0.72 | 10.55 | 10.67 | 10.65 | 1 | False | -0.54 |
| 257357 | 0.70 | 0.68 | 10.90 | 11.13 | 11.12 | 1 | False | -0.14 |
| 257359 | 0.75 | 0.75 | 10.30 | 10.30 | 10.27 | 1 | False | -0.78 |
| 257363 | 0.71 | 0.72 | 10.79 | 10.67 | 10.65 | 1 | False | -0.40 |
| 257375 | 0.90 | 0.90 | 7.87 | 7.87 | 7.79 | 1 | False | -0.60 |

Table J-5. 2010 MCAS: Delta Analysis Results – English Language Arts Grade 7

| <i>Item Number</i> | <i>Old P</i> | <i>New P</i> | <i>Old Delta</i> | <i>New Delta</i> | <i>Line</i> | <i>Max</i> | <i>Discard</i> | <i>Std</i> |
|--------------------|--------------|--------------|------------------|------------------|-------------|------------|----------------|------------|
| 223850 | 0.67 | 0.70 | 11.24 | 10.90 | 11.12 | 1 | False | -0.68 |
| 223854 | 0.76 | 0.81 | 10.17 | 9.49 | 9.66 | 1 | False | 1.22 |
| 223890 | 0.58 | 0.55 | 12.19 | 12.50 | 12.76 | 1 | False | 1.48 |
| 223894 | 0.84 | 0.86 | 9.02 | 8.68 | 8.83 | 1 | False | -0.32 |
| 223900 | 0.65 | 0.67 | 11.46 | 11.24 | 11.47 | 1 | False | -1.24 |
| 223914 | 0.69 | 0.68 | 11.02 | 11.13 | 11.35 | 1 | False | 0.34 |
| 223917 | 0.66 | 0.73 | 11.35 | 10.55 | 10.75 | 1 | False | 1.62 |
| 223921 | 0.52 | 0.59 | 12.80 | 12.09 | 12.34 | 1 | False | 0.95 |
| 223927 | 0.78 | 0.81 | 9.91 | 9.49 | 9.66 | 1 | False | -0.06 |
| 223932 | 0.65 | 0.68 | 11.46 | 11.13 | 11.35 | 1 | False | -0.75 |
| 223937 | 0.48 | 0.55 | 13.25 | 12.55 | 12.81 | 4 | False | 0.85 |
| 224998 | 0.78 | 0.77 | 9.91 | 10.04 | 10.23 | 1 | False | 0.28 |
| 224998 | 0.81 | 0.77 | 9.49 | 10.04 | 10.23 | 1 | False | 2.33 |
| 224999 | 0.62 | 0.63 | 11.78 | 11.67 | 11.91 | 1 | False | -0.63 |
| 225000 | 0.76 | 0.82 | 10.17 | 9.34 | 9.51 | 1 | False | 1.97 |
| 225002 | 0.56 | 0.58 | 12.40 | 12.19 | 12.45 | 1 | False | -1.03 |
| 225004 | 0.75 | 0.75 | 10.30 | 10.30 | 10.50 | 1 | False | -0.32 |
| 225008 | 0.68 | 0.67 | 11.13 | 11.24 | 11.47 | 1 | False | 0.35 |
| 225044 | 0.90 | 0.90 | 7.87 | 7.87 | 8.00 | 1 | False | -0.68 |
| 225050 | 0.73 | 0.70 | 10.55 | 10.90 | 11.12 | 1 | False | 1.48 |
| 225051 | 0.70 | 0.74 | 10.90 | 10.43 | 10.63 | 1 | False | 0.06 |
| 225055 | 0.53 | 0.54 | 12.67 | 12.57 | 12.84 | 4 | False | -0.47 |
| 225545 | 0.79 | 0.81 | 9.77 | 9.49 | 9.66 | 1 | False | -0.72 |
| 225547 | 0.77 | 0.78 | 10.04 | 9.91 | 10.10 | 1 | False | -1.03 |
| 225550 | 0.83 | 0.84 | 9.18 | 9.02 | 9.18 | 1 | False | -1.26 |
| 225593 | 0.75 | 0.75 | 10.30 | 10.30 | 10.50 | 1 | False | -0.32 |
| 225596 | 0.75 | 0.76 | 10.30 | 10.17 | 10.37 | 1 | False | -0.96 |
| 233976 | 0.84 | 0.86 | 9.02 | 8.68 | 8.83 | 1 | False | -0.32 |
| 233987 | 0.75 | 0.76 | 10.30 | 10.17 | 10.37 | 1 | False | -0.96 |
| 233993 | 0.79 | 0.77 | 9.77 | 10.04 | 10.23 | 1 | False | 0.95 |
| 233999 | 0.57 | 0.62 | 12.29 | 11.78 | 12.02 | 1 | False | 0.06 |
| 234003 | 0.78 | 0.79 | 9.91 | 9.77 | 9.95 | 1 | False | -1.06 |
| 234009 | 0.58 | 0.60 | 12.24 | 12.04 | 12.29 | 4 | False | -1.06 |
| 273055 | 0.78 | 0.81 | 9.91 | 9.49 | 9.66 | 1 | False | -0.06 |

Table J-6. 2010 MCAS: Delta Analysis Results – English Language Arts Grade 8

| <i>Item Number</i> | <i>Old P</i> | <i>New P</i> | <i>Old Delta</i> | <i>New Delta</i> | <i>Line</i> | <i>Max</i> | <i>Discard</i> | <i>Std</i> |
|--------------------|--------------|--------------|------------------|------------------|-------------|------------|----------------|------------|
| 207096 | 0.71 | 0.72 | 10.79 | 10.67 | 10.78 | 1 | False | -1.09 |
| 207099 | 0.84 | 0.85 | 9.02 | 8.85 | 8.98 | 1 | False | -0.88 |
| 207101 | 0.85 | 0.88 | 8.85 | 8.30 | 8.43 | 1 | False | 1.33 |
| 207104 | 0.70 | 0.74 | 10.90 | 10.43 | 10.54 | 1 | False | 0.97 |
| 207118 | 0.71 | 0.74 | 10.79 | 10.43 | 10.54 | 1 | False | 0.30 |
| 207159 | 0.87 | 0.88 | 8.49 | 8.30 | 8.43 | 1 | False | -0.75 |
| 207176 | 0.84 | 0.82 | 9.02 | 9.34 | 9.46 | 1 | False | 1.44 |
| 207180 | 0.60 | 0.64 | 11.99 | 11.57 | 11.67 | 1 | False | 0.70 |
| 207185 | 0.58 | 0.59 | 12.19 | 12.09 | 12.19 | 1 | False | -1.11 |
| 207190 | 0.68 | 0.65 | 11.13 | 11.46 | 11.57 | 1 | False | 1.42 |
| 207193 | 0.62 | 0.66 | 11.78 | 11.32 | 11.43 | 4 | False | 0.89 |
| 207589 | 0.81 | 0.79 | 9.49 | 9.77 | 9.90 | 1 | False | 1.24 |
| 207592 | 0.71 | 0.72 | 10.79 | 10.67 | 10.78 | 1 | False | -1.09 |
| 207595 | 0.85 | 0.87 | 8.85 | 8.49 | 8.63 | 1 | False | 0.21 |
| 207598 | 0.84 | 0.83 | 9.02 | 9.18 | 9.31 | 1 | False | 0.55 |
| 207599 | 0.81 | 0.81 | 9.49 | 9.49 | 9.61 | 1 | False | -0.40 |
| 207600 | 0.74 | 0.74 | 10.43 | 10.43 | 10.54 | 1 | False | -0.44 |
| 207601 | 0.64 | 0.65 | 11.57 | 11.46 | 11.57 | 1 | False | -1.11 |
| 207609 | 0.65 | 0.59 | 11.46 | 12.09 | 12.19 | 1 | True | 3.14 |
| 207618 | 0.68 | 0.70 | 11.13 | 10.90 | 11.01 | 1 | False | -0.45 |
| 207624 | 0.79 | 0.79 | 9.77 | 9.77 | 9.90 | 1 | False | -0.41 |
| 207639 | 0.69 | 0.71 | 11.02 | 10.82 | 10.93 | 4 | False | -0.61 |
| 227758 | 0.77 | 0.77 | 10.04 | 10.04 | 10.16 | 1 | False | -0.43 |
| 227759 | 0.73 | 0.74 | 10.55 | 10.43 | 10.54 | 1 | False | -1.08 |
| 227760 | 0.84 | 0.84 | 9.02 | 9.02 | 9.15 | 1 | False | -0.38 |
| 227764 | 0.95 | 0.95 | 6.42 | 6.42 | 6.57 | 1 | False | -0.27 |
| 227769 | 0.89 | 0.91 | 8.09 | 7.64 | 7.77 | 1 | False | 0.74 |
| 227773 | 0.70 | 0.71 | 10.90 | 10.79 | 10.90 | 1 | False | -1.10 |
| 227774 | 0.83 | 0.85 | 9.18 | 8.85 | 8.98 | 1 | False | 0.05 |
| 227777 | 0.72 | 0.72 | 10.67 | 10.67 | 10.78 | 1 | False | -0.45 |
| 227779 | 0.58 | 0.61 | 12.19 | 11.88 | 11.99 | 1 | False | 0.07 |
| 227781 | 0.60 | 0.61 | 11.99 | 11.88 | 11.99 | 1 | False | -1.11 |
| 227783 | 0.63 | 0.66 | 11.65 | 11.32 | 11.43 | 4 | False | 0.13 |

Table J-7. 2010 MCAS: Delta Analysis Results – English Language Arts Grade 10

| <i>Item Number</i> | <i>Old P</i> | <i>New P</i> | <i>Old Delta</i> | <i>New Delta</i> | <i>Line</i> | <i>Max</i> | <i>Discard</i> | <i>Std</i> |
|--------------------|--------------|--------------|------------------|------------------|-------------|------------|----------------|------------|
| 254167 | 0.80 | 0.80 | 9.63 | 9.63 | 9.76 | 1 | False | -0.63 |
| 254167 | 0.80 | 0.80 | 9.63 | 9.63 | 9.76 | 1 | False | -0.63 |
| 254167 | 0.80 | 0.80 | 9.63 | 9.63 | 9.76 | 1 | False | -0.63 |
| 254232 | 0.79 | 0.80 | 9.77 | 9.63 | 9.76 | 1 | False | -1.09 |
| 254232 | 0.79 | 0.77 | 9.77 | 10.04 | 10.17 | 1 | False | 0.60 |
| 254232 | 0.77 | 0.80 | 10.04 | 9.63 | 9.76 | 1 | False | 0.14 |
| 254232 | 0.77 | 0.77 | 10.04 | 10.04 | 10.17 | 1 | False | -0.63 |
| 254237 | 0.66 | 0.64 | 11.35 | 11.62 | 11.74 | 4 | False | 0.60 |
| 254237 | 0.66 | 0.64 | 11.35 | 11.62 | 11.74 | 4 | False | 0.60 |
| 254237 | 0.64 | 0.64 | 11.62 | 11.62 | 11.74 | 4 | False | -0.63 |
| 254237 | 0.64 | 0.64 | 11.62 | 11.62 | 11.74 | 4 | False | -0.63 |
| 254365 | 0.67 | 0.73 | 11.24 | 10.55 | 10.67 | 1 | False | 1.41 |
| 254852 | 0.65 | 0.70 | 11.46 | 10.90 | 11.02 | 1 | False | 0.80 |
| 254852 | 0.65 | 0.70 | 11.46 | 10.90 | 11.02 | 1 | False | 0.80 |
| 254858 | 0.69 | 0.65 | 11.02 | 11.46 | 11.58 | 1 | False | 1.38 |
| 254858 | 0.69 | 0.70 | 11.02 | 10.90 | 11.02 | 1 | False | -1.15 |
| 254861 | 0.65 | 0.66 | 11.46 | 11.35 | 11.47 | 1 | False | -1.12 |
| 254861 | 0.65 | 0.66 | 11.46 | 11.35 | 11.47 | 1 | False | -1.12 |
| 254862 | 0.61 | 0.64 | 11.88 | 11.57 | 11.69 | 1 | False | -0.29 |
| 254862 | 0.61 | 0.61 | 11.88 | 11.88 | 12.00 | 1 | False | -0.63 |
| 254863 | 0.73 | 0.73 | 10.55 | 10.55 | 10.67 | 1 | False | -0.63 |
| 254863 | 0.73 | 0.72 | 10.55 | 10.67 | 10.79 | 1 | False | -0.08 |
| 254865 | 0.73 | 0.70 | 10.55 | 10.90 | 11.02 | 1 | False | 0.98 |
| 254865 | 0.73 | 0.71 | 10.55 | 10.79 | 10.91 | 1 | False | 0.45 |
| 254870 | 0.67 | 0.67 | 11.24 | 11.24 | 11.36 | 1 | False | -0.63 |
| 254870 | 0.67 | 0.68 | 11.24 | 11.13 | 11.25 | 1 | False | -1.13 |
| 254873 | 0.58 | 0.57 | 12.19 | 12.29 | 12.42 | 1 | False | -0.16 |
| 254873 | 0.58 | 0.57 | 12.19 | 12.29 | 12.42 | 1 | False | -0.16 |
| 253513 | 0.82 | 0.80 | 9.34 | 9.63 | 9.76 | 1 | False | 0.71 |
| 253814 | 0.69 | 0.71 | 11.02 | 10.79 | 10.91 | 1 | False | -0.69 |
| 253814 | 0.66 | 0.70 | 11.35 | 10.90 | 11.02 | 1 | False | 0.30 |
| 253814 | 0.66 | 0.71 | 11.35 | 10.79 | 10.91 | 1 | False | 0.83 |
| 253814 | 0.69 | 0.70 | 11.02 | 10.90 | 11.02 | 1 | False | -1.15 |
| 253816 | 0.87 | 0.86 | 8.49 | 8.68 | 8.80 | 1 | False | 0.21 |
| 253816 | 0.87 | 0.87 | 8.49 | 8.49 | 8.62 | 1 | False | -0.63 |
| 253816 | 0.88 | 0.87 | 8.30 | 8.49 | 8.62 | 1 | False | 0.26 |
| 253816 | 0.88 | 0.86 | 8.30 | 8.68 | 8.80 | 1 | False | 1.09 |
| 253817 | 0.62 | 0.62 | 11.80 | 11.80 | 11.93 | 4 | False | -0.63 |
| 253817 | 0.62 | 0.61 | 11.80 | 11.88 | 12.00 | 4 | False | -0.27 |
| 253817 | 0.61 | 0.62 | 11.86 | 11.80 | 11.93 | 4 | False | -0.86 |
| 253817 | 0.61 | 0.61 | 11.86 | 11.88 | 12.00 | 4 | False | -0.51 |
| 253864 | 0.70 | 0.69 | 10.90 | 11.02 | 11.14 | 1 | False | -0.11 |
| 253865 | 0.78 | 0.74 | 9.91 | 10.43 | 10.55 | 1 | False | 1.71 |
| 253867 | 0.63 | 0.63 | 11.67 | 11.67 | 11.79 | 1 | False | -0.63 |
| 253903 | 0.76 | 0.75 | 10.17 | 10.30 | 10.42 | 1 | False | -0.05 |
| 253903 | 0.76 | 0.73 | 10.17 | 10.55 | 10.67 | 1 | False | 1.07 |
| 253903 | 0.77 | 0.75 | 10.04 | 10.30 | 10.42 | 1 | False | 0.54 |
| 253903 | 0.77 | 0.73 | 10.04 | 10.55 | 10.67 | 1 | False | 1.66 |
| 253906 | 0.74 | 0.73 | 10.43 | 10.55 | 10.67 | 1 | False | -0.07 |
| 253906 | 0.74 | 0.73 | 10.43 | 10.55 | 10.67 | 1 | False | -0.07 |
| 253906 | 0.73 | 0.73 | 10.55 | 10.55 | 10.67 | 1 | False | -0.63 |
| 253906 | 0.73 | 0.73 | 10.55 | 10.55 | 10.67 | 1 | False | -0.63 |

Table J-7. 2010 MCAS: Delta Analysis Results – English Language Arts Grade 10

| <i>Item Number</i> | <i>Old P</i> | <i>New P</i> | <i>Old Delta</i> | <i>New Delta</i> | <i>Line</i> | <i>Max</i> | <i>Discard</i> | <i>Std</i> |
|--------------------|--------------|--------------|------------------|------------------|-------------|------------|----------------|------------|
| 253908 | 0.87 | 0.87 | 8.49 | 8.49 | 8.62 | 1 | False | -0.63 |
| 253908 | 0.87 | 0.88 | 8.49 | 8.30 | 8.42 | 1 | False | -0.85 |
| 253908 | 0.88 | 0.87 | 8.30 | 8.49 | 8.62 | 1 | False | 0.26 |
| 253908 | 0.88 | 0.88 | 8.30 | 8.30 | 8.42 | 1 | False | -0.63 |
| 253913 | 0.80 | 0.82 | 9.63 | 9.34 | 9.46 | 1 | False | -0.39 |
| 253913 | 0.81 | 0.81 | 9.49 | 9.49 | 9.61 | 1 | False | -0.63 |
| 253913 | 0.81 | 0.82 | 9.49 | 9.34 | 9.46 | 1 | False | -1.05 |
| 253913 | 0.80 | 0.81 | 9.63 | 9.49 | 9.61 | 1 | False | -1.07 |
| 253924 | 0.80 | 0.82 | 9.63 | 9.34 | 9.46 | 1 | False | -0.39 |
| 253924 | 0.80 | 0.82 | 9.63 | 9.34 | 9.46 | 1 | False | -0.39 |
| 253924 | 0.79 | 0.82 | 9.77 | 9.34 | 9.46 | 1 | False | 0.25 |
| 253924 | 0.79 | 0.82 | 9.77 | 9.34 | 9.46 | 1 | False | 0.25 |
| 253926 | 0.65 | 0.68 | 11.46 | 11.13 | 11.25 | 1 | False | -0.23 |
| 253926 | 0.68 | 0.66 | 11.13 | 11.35 | 11.47 | 1 | False | 0.38 |
| 253926 | 0.68 | 0.68 | 11.13 | 11.13 | 11.25 | 1 | False | -0.63 |
| 253926 | 0.65 | 0.66 | 11.46 | 11.35 | 11.47 | 1 | False | -1.12 |
| 253934 | 0.67 | 0.67 | 11.24 | 11.24 | 11.36 | 1 | False | -0.63 |
| 253934 | 0.67 | 0.65 | 11.24 | 11.46 | 11.58 | 1 | False | 0.37 |
| 253934 | 0.68 | 0.67 | 11.13 | 11.24 | 11.36 | 1 | False | -0.12 |
| 253934 | 0.68 | 0.65 | 11.13 | 11.46 | 11.58 | 1 | False | 0.87 |
| 253936 | 0.77 | 0.79 | 10.04 | 9.77 | 9.90 | 1 | False | -0.50 |
| 253936 | 0.77 | 0.78 | 10.04 | 9.91 | 10.03 | 1 | False | -1.12 |
| 253936 | 0.78 | 0.79 | 9.91 | 9.77 | 9.90 | 1 | False | -1.11 |
| 253936 | 0.78 | 0.78 | 9.91 | 9.91 | 10.03 | 1 | False | -0.63 |
| 253938 | 0.59 | 0.60 | 12.06 | 12.01 | 12.13 | 4 | False | -0.86 |
| 253938 | 0.59 | 0.59 | 12.06 | 12.06 | 12.19 | 4 | False | -0.63 |
| 253938 | 0.59 | 0.60 | 12.14 | 12.01 | 12.13 | 4 | False | -1.15 |
| 253938 | 0.59 | 0.59 | 12.14 | 12.06 | 12.19 | 4 | False | -0.98 |
| 254165 | 0.70 | 0.70 | 10.90 | 10.90 | 11.02 | 1 | False | -0.63 |
| 254165 | 0.70 | 0.73 | 10.90 | 10.55 | 10.67 | 1 | False | -0.12 |
| 254165 | 0.72 | 0.70 | 10.67 | 10.90 | 11.02 | 1 | False | 0.44 |
| 254165 | 0.72 | 0.73 | 10.67 | 10.55 | 10.67 | 1 | False | -1.17 |
| 254166 | 0.81 | 0.80 | 9.49 | 9.63 | 9.76 | 1 | False | 0.03 |
| 254166 | 0.81 | 0.78 | 9.49 | 9.91 | 10.03 | 1 | False | 1.29 |
| 254166 | 0.79 | 0.80 | 9.77 | 9.63 | 9.76 | 1 | False | -1.09 |
| 254166 | 0.79 | 0.78 | 9.77 | 9.91 | 10.03 | 1 | False | 0.00 |
| 254167 | 0.80 | 0.80 | 9.63 | 9.63 | 9.76 | 1 | False | -0.63 |
| 228251 | 0.80 | 0.77 | 9.63 | 10.04 | 10.17 | 1 | False | 1.24 |
| 228251 | 0.80 | 0.76 | 9.63 | 10.17 | 10.30 | 1 | False | 1.83 |
| 228251 | 0.79 | 0.76 | 9.77 | 10.17 | 10.30 | 1 | False | 1.19 |
| 228251 | 0.79 | 0.77 | 9.77 | 10.04 | 10.17 | 1 | False | 0.60 |
| 228253 | 0.57 | 0.59 | 12.29 | 12.09 | 12.21 | 1 | False | -0.80 |
| 228253 | 0.57 | 0.57 | 12.29 | 12.29 | 12.42 | 1 | False | -0.63 |
| 228253 | 0.58 | 0.59 | 12.19 | 12.09 | 12.21 | 1 | False | -1.09 |
| 228253 | 0.58 | 0.57 | 12.19 | 12.29 | 12.42 | 1 | False | -0.16 |
| 228266 | 0.58 | 0.60 | 12.19 | 12.04 | 12.16 | 4 | False | -1.03 |
| 228266 | 0.56 | 0.60 | 12.45 | 12.04 | 12.16 | 4 | False | 0.13 |
| 228266 | 0.56 | 0.60 | 12.45 | 12.04 | 12.16 | 4 | False | 0.13 |
| 228266 | 0.58 | 0.60 | 12.19 | 12.04 | 12.16 | 4 | False | -1.03 |
| 228316 | 0.76 | 0.75 | 10.17 | 10.30 | 10.42 | 1 | False | -0.05 |
| 228316 | 0.77 | 0.74 | 10.04 | 10.43 | 10.55 | 1 | False | 1.11 |
| 228316 | 0.77 | 0.75 | 10.04 | 10.30 | 10.42 | 1 | False | 0.54 |
| 228316 | 0.76 | 0.74 | 10.17 | 10.43 | 10.55 | 1 | False | 0.52 |

Table J-7. 2010 MCAS: Delta Analysis Results – English Language Arts Grade 10

| <i>Item Number</i> | <i>Old P</i> | <i>New P</i> | <i>Old Delta</i> | <i>New Delta</i> | <i>Line</i> | <i>Max</i> | <i>Discard</i> | <i>Std</i> |
|--------------------|--------------|--------------|------------------|------------------|-------------|------------|----------------|------------|
| 228320 | 0.62 | 0.62 | 11.78 | 11.78 | 11.90 | 1 | False | -0.63 |
| 228320 | 0.62 | 0.65 | 11.78 | 11.46 | 11.58 | 1 | False | -0.28 |
| 228320 | 0.62 | 0.62 | 11.78 | 11.78 | 11.90 | 1 | False | -0.63 |
| 228320 | 0.62 | 0.65 | 11.78 | 11.46 | 11.58 | 1 | False | -0.28 |
| 228426 | 0.38 | 0.38 | 14.22 | 14.22 | 14.34 | 1 | False | -0.63 |
| 228426 | 0.36 | 0.38 | 14.43 | 14.22 | 14.34 | 1 | False | -0.77 |
| 228426 | 0.38 | 0.38 | 14.22 | 14.22 | 14.34 | 1 | False | -0.63 |
| 228426 | 0.36 | 0.38 | 14.43 | 14.22 | 14.34 | 1 | False | -0.77 |
| 228460 | 0.66 | 0.67 | 11.35 | 11.24 | 11.36 | 1 | False | -1.13 |
| 228460 | 0.67 | 0.67 | 11.24 | 11.24 | 11.36 | 1 | False | -0.63 |
| 228460 | 0.67 | 0.68 | 11.24 | 11.13 | 11.25 | 1 | False | -1.13 |
| 228460 | 0.66 | 0.68 | 11.35 | 11.13 | 11.25 | 1 | False | -0.73 |
| 228462 | 0.60 | 0.59 | 11.99 | 12.09 | 12.21 | 1 | False | -0.16 |
| 228462 | 0.59 | 0.57 | 12.09 | 12.29 | 12.42 | 1 | False | 0.30 |
| 228462 | 0.60 | 0.57 | 11.99 | 12.29 | 12.42 | 1 | False | 0.77 |
| 228462 | 0.59 | 0.59 | 12.09 | 12.09 | 12.21 | 1 | False | -0.63 |
| 228463 | 0.74 | 0.76 | 10.43 | 10.17 | 10.30 | 1 | False | -0.59 |
| 228463 | 0.74 | 0.76 | 10.43 | 10.17 | 10.30 | 1 | False | -0.59 |
| 228463 | 0.77 | 0.76 | 10.04 | 10.17 | 10.30 | 1 | False | -0.04 |
| 228463 | 0.77 | 0.76 | 10.04 | 10.17 | 10.30 | 1 | False | -0.04 |
| 228464 | 0.75 | 0.77 | 10.30 | 10.04 | 10.17 | 1 | False | -0.56 |
| 228464 | 0.77 | 0.77 | 10.04 | 10.04 | 10.17 | 1 | False | -0.63 |
| 228464 | 0.77 | 0.78 | 10.04 | 9.91 | 10.03 | 1 | False | -1.12 |
| 228464 | 0.75 | 0.78 | 10.30 | 9.91 | 10.03 | 1 | False | 0.04 |
| 228465 | 0.70 | 0.68 | 10.90 | 11.13 | 11.25 | 1 | False | 0.40 |
| 228465 | 0.69 | 0.68 | 11.02 | 11.13 | 11.25 | 1 | False | -0.12 |
| 228465 | 0.69 | 0.70 | 11.02 | 10.90 | 11.02 | 1 | False | -1.15 |
| 228465 | 0.70 | 0.70 | 10.90 | 10.90 | 11.02 | 1 | False | -0.63 |
| 228466 | 0.78 | 0.77 | 9.91 | 10.04 | 10.17 | 1 | False | -0.02 |
| 228466 | 0.78 | 0.79 | 9.91 | 9.77 | 9.90 | 1 | False | -1.11 |
| 228466 | 0.79 | 0.79 | 9.77 | 9.77 | 9.90 | 1 | False | -0.63 |
| 228466 | 0.79 | 0.77 | 9.77 | 10.04 | 10.17 | 1 | False | 0.60 |
| 228467 | 0.62 | 0.61 | 11.78 | 11.88 | 12.00 | 1 | False | -0.15 |
| 228467 | 0.60 | 0.61 | 11.99 | 11.88 | 12.00 | 1 | False | -1.10 |
| 228467 | 0.60 | 0.61 | 11.99 | 11.88 | 12.00 | 1 | False | -1.10 |
| 228467 | 0.62 | 0.61 | 11.78 | 11.88 | 12.00 | 1 | False | -0.15 |
| 228468 | 0.64 | 0.62 | 11.54 | 11.80 | 11.93 | 4 | False | 0.58 |
| 228468 | 0.64 | 0.65 | 11.54 | 11.51 | 11.63 | 4 | False | -0.75 |
| 228468 | 0.64 | 0.62 | 11.62 | 11.80 | 11.93 | 4 | False | 0.21 |
| 228468 | 0.64 | 0.65 | 11.62 | 11.51 | 11.63 | 4 | False | -1.11 |
| 228480 | 0.84 | 0.83 | 9.02 | 9.18 | 9.30 | 1 | False | 0.11 |
| 228480 | 0.84 | 0.83 | 9.02 | 9.18 | 9.30 | 1 | False | 0.11 |
| 228480 | 0.85 | 0.83 | 8.85 | 9.18 | 9.30 | 1 | False | 0.87 |
| 228480 | 0.85 | 0.83 | 8.85 | 9.18 | 9.30 | 1 | False | 0.87 |
| 228482 | 0.77 | 0.78 | 10.04 | 9.91 | 10.03 | 1 | False | -1.12 |
| 228482 | 0.77 | 0.78 | 10.04 | 9.91 | 10.03 | 1 | False | -1.12 |
| 228482 | 0.77 | 0.78 | 10.04 | 9.91 | 10.03 | 1 | False | -1.12 |
| 228482 | 0.77 | 0.78 | 10.04 | 9.91 | 10.03 | 1 | False | -1.12 |
| 228483 | 0.84 | 0.85 | 9.02 | 8.85 | 8.98 | 1 | False | -0.97 |
| 228483 | 0.84 | 0.83 | 9.02 | 9.18 | 9.30 | 1 | False | 0.11 |
| 228483 | 0.85 | 0.85 | 8.85 | 8.85 | 8.98 | 1 | False | -0.63 |
| 228483 | 0.85 | 0.83 | 8.85 | 9.18 | 9.30 | 1 | False | 0.87 |
| 228484 | 0.81 | 0.80 | 9.49 | 9.63 | 9.76 | 1 | False | 0.03 |

Table J-7. 2010 MCAS: Delta Analysis Results – English Language Arts Grade 10

| <i>Item Number</i> | <i>Old P</i> | <i>New P</i> | <i>Old Delta</i> | <i>New Delta</i> | <i>Line</i> | <i>Max</i> | <i>Discard</i> | <i>Std</i> |
|--------------------|--------------|--------------|------------------|------------------|-------------|------------|----------------|------------|
| 228484 | 0.80 | 0.80 | 9.63 | 9.63 | 9.76 | 1 | False | -0.63 |
| 228484 | 0.80 | 0.81 | 9.63 | 9.49 | 9.61 | 1 | False | -1.07 |
| 228484 | 0.81 | 0.81 | 9.49 | 9.49 | 9.61 | 1 | False | -0.63 |
| 228485 | 0.63 | 0.65 | 11.65 | 11.49 | 11.61 | 4 | False | -1.00 |
| 228485 | 0.63 | 0.64 | 11.65 | 11.57 | 11.69 | 4 | False | -0.99 |
| 228485 | 0.63 | 0.64 | 11.67 | 11.57 | 11.69 | 4 | False | -1.11 |
| 228485 | 0.63 | 0.65 | 11.67 | 11.49 | 11.61 | 4 | False | -0.88 |
| 253512 | 0.70 | 0.72 | 10.90 | 10.67 | 10.79 | 1 | False | -0.67 |
| 253512 | 0.70 | 0.75 | 10.90 | 10.30 | 10.42 | 1 | False | 1.00 |
| 253512 | 0.71 | 0.72 | 10.79 | 10.67 | 10.79 | 1 | False | -1.16 |
| 253512 | 0.71 | 0.75 | 10.79 | 10.30 | 10.42 | 1 | False | 0.47 |
| 253513 | 0.81 | 0.82 | 9.49 | 9.34 | 9.46 | 1 | False | -1.05 |
| 253513 | 0.81 | 0.80 | 9.49 | 9.63 | 9.76 | 1 | False | 0.03 |
| 253513 | 0.82 | 0.82 | 9.34 | 9.34 | 9.46 | 1 | False | -0.63 |
| 254874 | 0.54 | 0.60 | 12.65 | 12.01 | 12.13 | 4 | False | 1.16 |
| 254874 | 0.54 | 0.59 | 12.65 | 12.14 | 12.26 | 4 | False | 0.57 |
| 255081 | 0.76 | 0.76 | 10.17 | 10.17 | 10.30 | 1 | False | -0.63 |
| 255081 | 0.76 | 0.75 | 10.17 | 10.30 | 10.42 | 1 | False | -0.05 |
| 255082 | 0.73 | 0.80 | 10.55 | 9.63 | 9.76 | 1 | False | 2.43 |
| 255082 | 0.73 | 0.79 | 10.55 | 9.77 | 9.90 | 1 | False | 1.79 |
| 255083 | 0.63 | 0.66 | 11.67 | 11.35 | 11.47 | 1 | False | -0.27 |
| 255083 | 0.63 | 0.68 | 11.67 | 11.13 | 11.25 | 1 | False | 0.74 |
| 255088 | 0.74 | 0.76 | 10.43 | 10.17 | 10.30 | 1 | False | -0.59 |
| 255088 | 0.74 | 0.75 | 10.43 | 10.30 | 10.42 | 1 | False | -1.16 |
| 255089 | 0.75 | 0.79 | 10.30 | 9.77 | 9.90 | 1 | False | 0.67 |
| 255089 | 0.75 | 0.78 | 10.30 | 9.91 | 10.03 | 1 | False | 0.04 |
| 255094 | 0.71 | 0.76 | 10.79 | 10.17 | 10.30 | 1 | False | 1.05 |
| 255094 | 0.71 | 0.76 | 10.79 | 10.17 | 10.30 | 1 | False | 1.05 |
| 255096 | 0.62 | 0.66 | 11.78 | 11.35 | 11.47 | 1 | False | 0.21 |
| 255096 | 0.62 | 0.67 | 11.78 | 11.24 | 11.36 | 1 | False | 0.71 |
| 255097 | 0.83 | 0.79 | 9.18 | 9.77 | 9.90 | 1 | False | 2.06 |
| 255097 | 0.83 | 0.78 | 9.18 | 9.91 | 10.03 | 1 | False | 2.68 |
| 255100 | 0.47 | 0.57 | 13.28 | 12.35 | 12.47 | 4 | False | 2.50 |
| 255100 | 0.47 | 0.57 | 13.28 | 12.35 | 12.47 | 4 | False | 2.50 |
| 268739 | 0.62 | 0.73 | 11.78 | 10.55 | 10.67 | 1 | True | 3.85 |
| 268740 | 0.82 | 0.86 | 9.34 | 8.68 | 8.80 | 1 | False | 1.27 |
| 268741 | 0.65 | 0.72 | 11.46 | 10.67 | 10.79 | 1 | False | 1.86 |
| 268743 | 0.75 | 0.79 | 10.30 | 9.77 | 9.90 | 1 | False | 0.67 |
| 268746 | 0.81 | 0.82 | 9.49 | 9.34 | 9.46 | 1 | False | -1.05 |
| 268751 | 0.66 | 0.73 | 11.35 | 10.55 | 10.67 | 1 | False | 1.91 |
| 268757 | 0.73 | 0.77 | 10.55 | 10.04 | 10.17 | 1 | False | 0.56 |
| 268763 | 0.58 | 0.63 | 12.24 | 11.73 | 11.85 | 4 | False | 0.62 |
| 276588 | 0.83 | 0.85 | 9.18 | 8.85 | 8.98 | 1 | False | -0.24 |
| 276594 | 0.82 | 0.82 | 9.34 | 9.34 | 9.46 | 1 | False | -0.63 |
| 276599 | 0.76 | 0.76 | 10.17 | 10.17 | 10.30 | 1 | False | -0.63 |
| 276600 | 0.79 | 0.81 | 9.77 | 9.49 | 9.61 | 1 | False | -0.43 |
| 279381 | 0.84 | 0.86 | 9.02 | 8.68 | 8.80 | 1 | False | -0.17 |
| 279386 | 0.70 | 0.72 | 10.90 | 10.67 | 10.79 | 1 | False | -0.67 |
| 279390 | 0.75 | 0.75 | 10.30 | 10.30 | 10.42 | 1 | False | -0.63 |
| 279391 | 0.86 | 0.87 | 8.68 | 8.49 | 8.62 | 1 | False | -0.89 |
| 279394 | 0.57 | 0.55 | 12.29 | 12.52 | 12.64 | 4 | False | 0.41 |
| 279553 | 0.87 | 0.90 | 8.49 | 7.87 | 8.00 | 1 | False | 1.09 |
| 279554 | 0.84 | 0.88 | 9.02 | 8.30 | 8.42 | 1 | False | 1.55 |

Table J-7. 2010 MCAS: Delta Analysis Results – English Language Arts Grade 10

| <i>Item Number</i> | <i>Old P</i> | <i>New P</i> | <i>Old Delta</i> | <i>New Delta</i> | <i>Line</i> | <i>Max</i> | <i>Discard</i> | <i>Std</i> |
|--------------------|--------------|--------------|------------------|------------------|-------------|------------|----------------|------------|
| 279558 | 0.80 | 0.83 | 9.63 | 9.18 | 9.30 | 1 | False | 0.31 |
| 279560 | 0.69 | 0.71 | 11.02 | 10.79 | 10.91 | 1 | False | -0.69 |
| 279561 | 0.90 | 0.92 | 7.87 | 7.38 | 7.50 | 1 | False | 0.51 |
| 279562 | 0.87 | 0.91 | 8.49 | 7.64 | 7.76 | 1 | False | 2.16 |
| 279565 | 0.68 | 0.72 | 11.13 | 10.67 | 10.79 | 1 | False | 0.36 |
| 279566 | 0.59 | 0.65 | 12.09 | 11.46 | 11.58 | 1 | False | 1.14 |
| 279567 | 0.56 | 0.63 | 12.45 | 11.73 | 11.85 | 4 | False | 1.55 |
| 280204 | 0.89 | 0.94 | 8.09 | 6.78 | 6.90 | 1 | True | 4.23 |
| 280206 | 0.89 | 0.93 | 8.09 | 7.10 | 7.22 | 1 | False | 2.80 |
| 280207 | 0.79 | 0.84 | 9.77 | 9.02 | 9.14 | 1 | False | 1.69 |
| 280216 | 0.77 | 0.82 | 10.04 | 9.34 | 9.46 | 1 | False | 1.48 |
| 280221 | 0.66 | 0.67 | 11.35 | 11.24 | 11.36 | 1 | False | -1.13 |
| 280224 | 0.77 | 0.83 | 10.04 | 9.18 | 9.30 | 1 | False | 2.18 |
| 280228 | 0.70 | 0.77 | 10.90 | 10.04 | 10.17 | 1 | False | 2.17 |
| 280233 | 0.64 | 0.67 | 11.57 | 11.24 | 11.36 | 1 | False | -0.25 |
| 280239 | 0.64 | 0.67 | 11.62 | 11.21 | 11.33 | 4 | False | 0.12 |

Table J-8. 2010 MCAS: Delta Analysis Results – Mathematics Grade 3

| <i>Item Number</i> | <i>Old P</i> | <i>New P</i> | <i>Old Delta</i> | <i>New Delta</i> | <i>Line</i> | <i>Max</i> | <i>Discard</i> | <i>Std</i> |
|--------------------|--------------|--------------|------------------|------------------|-------------|------------|----------------|------------|
| 202961 | 0.86 | 0.87 | 8.68 | 8.49 | 8.60 | 1 | False | -0.73 |
| 202988 | 0.77 | 0.75 | 10.04 | 10.30 | 10.58 | 1 | False | 0.68 |
| 203539 | 0.72 | 0.72 | 10.67 | 10.67 | 10.99 | 1 | False | 0.00 |
| 203643 | 0.73 | 0.75 | 10.55 | 10.30 | 10.58 | 1 | False | -0.88 |
| 203723 | 0.87 | 0.86 | 8.49 | 8.68 | 8.80 | 1 | False | -0.03 |
| 206961 | 0.87 | 0.85 | 8.49 | 8.85 | 8.99 | 1 | False | 0.56 |
| 206993 | 0.70 | 0.75 | 10.90 | 10.30 | 10.58 | 1 | False | 0.01 |
| 207010 | 0.42 | 0.48 | 13.81 | 13.20 | 13.76 | 1 | False | -0.85 |
| 207152 | 0.81 | 0.83 | 9.49 | 9.18 | 9.35 | 1 | False | -0.57 |
| 207776 | 0.82 | 0.82 | 9.34 | 9.34 | 9.53 | 1 | False | -0.40 |
| 208002 | 0.80 | 0.84 | 9.63 | 9.02 | 9.18 | 2 | False | 0.43 |
| 218441 | 0.89 | 0.89 | 8.09 | 8.09 | 8.16 | 1 | False | -0.78 |
| 218517 | 0.79 | 0.89 | 9.77 | 8.09 | 8.16 | 1 | True | 4.02 |
| 218523 | 0.80 | 0.79 | 9.63 | 9.77 | 10.00 | 1 | False | 0.16 |
| 218572 | 0.86 | 0.86 | 8.68 | 8.77 | 8.90 | 2 | False | -0.30 |
| 227103 | 0.66 | 0.67 | 11.35 | 11.24 | 11.61 | 1 | False | -0.17 |
| 227240 | 0.65 | 0.68 | 11.46 | 11.13 | 11.49 | 1 | False | -0.88 |
| 227295 | 0.70 | 0.71 | 10.90 | 10.79 | 11.11 | 1 | False | -0.33 |
| 252919 | 0.51 | 0.63 | 12.90 | 11.67 | 12.09 | 1 | False | 1.53 |
| 253624 | 0.85 | 0.87 | 8.85 | 8.49 | 8.60 | 1 | False | -0.19 |
| 260976 | 0.68 | 0.70 | 11.13 | 10.90 | 11.24 | 1 | False | -0.63 |
| 260987 | 0.78 | 0.82 | 9.91 | 9.34 | 9.53 | 1 | False | 0.21 |
| 261012 | 0.74 | 0.74 | 10.43 | 10.43 | 10.72 | 1 | False | -0.07 |
| 261853 | 0.65 | 0.68 | 11.51 | 11.13 | 11.49 | 2 | False | -0.92 |
| 264565 | 0.69 | 0.69 | 11.02 | 11.02 | 11.37 | 1 | False | 0.10 |
| 281223 | 0.85 | 0.84 | 8.85 | 9.02 | 9.18 | 1 | False | 0.02 |

Table J-9. 2010 MCAS: Delta Analysis Results – Mathematics Grade 4

| <i>Item Number</i> | <i>Old P</i> | <i>New P</i> | <i>Old Delta</i> | <i>New Delta</i> | <i>Line</i> | <i>Max</i> | <i>Discard</i> | <i>Std</i> |
|--------------------|--------------|--------------|------------------|------------------|-------------|------------|----------------|------------|
| 218874 | 0.89 | 0.89 | 8.09 | 8.09 | 8.39 | 1 | False | 0.36 |
| 218887 | 0.56 | 0.61 | 12.40 | 11.88 | 11.98 | 1 | False | 1.02 |
| 218909 | 0.80 | 0.82 | 9.63 | 9.34 | 9.57 | 1 | False | -0.99 |
| 218910 | 0.70 | 0.70 | 10.90 | 10.90 | 11.05 | 1 | False | -0.48 |
| 221898 | 0.71 | 0.75 | 10.79 | 10.30 | 10.48 | 1 | False | 0.38 |
| 221903 | 0.85 | 0.86 | 8.85 | 8.68 | 8.95 | 1 | False | -0.83 |
| 221969 | 0.71 | 0.75 | 10.79 | 10.30 | 10.48 | 1 | False | 0.38 |
| 221974 | 0.88 | 0.91 | 8.30 | 7.64 | 7.96 | 1 | False | 0.61 |
| 221984 | 0.80 | 0.83 | 9.63 | 9.18 | 9.42 | 1 | False | -0.15 |
| 222051 | 0.54 | 0.55 | 12.60 | 12.50 | 12.57 | 1 | False | -1.17 |
| 222062 | 0.72 | 0.73 | 10.67 | 10.55 | 10.72 | 1 | False | -1.06 |
| 222082 | 0.82 | 0.86 | 9.34 | 8.68 | 8.95 | 1 | False | 0.91 |
| 222095 | 0.60 | 0.61 | 11.99 | 11.88 | 11.98 | 1 | False | -1.33 |
| 226150 | 0.81 | 0.85 | 9.49 | 8.85 | 9.11 | 1 | False | 0.81 |
| 227323 | 0.60 | 0.63 | 11.96 | 11.73 | 11.83 | 4 | False | -0.62 |
| 227512 | 0.77 | 0.82 | 10.04 | 9.34 | 9.57 | 1 | False | 1.37 |
| 227518 | 0.76 | 0.76 | 10.17 | 10.17 | 10.36 | 1 | False | -0.26 |
| 228713 | 0.77 | 0.82 | 10.04 | 9.34 | 9.57 | 1 | False | 1.37 |
| 228815 | 0.90 | 0.89 | 7.87 | 8.09 | 8.39 | 1 | False | 1.62 |
| 247506 | 0.54 | 0.54 | 12.60 | 12.60 | 12.66 | 1 | False | -0.99 |
| 247515 | 0.75 | 0.76 | 10.30 | 10.17 | 10.36 | 1 | False | -0.99 |
| 247587 | 0.70 | 0.73 | 10.90 | 10.55 | 10.72 | 1 | False | -0.30 |
| 250328 | 0.83 | 0.84 | 9.18 | 9.02 | 9.27 | 1 | False | -0.85 |
| 250443 | 0.76 | 0.72 | 10.17 | 10.67 | 10.83 | 1 | False | 2.43 |
| 258178 | 0.70 | 0.67 | 10.90 | 11.24 | 11.37 | 1 | False | 1.36 |
| 258214 | 0.65 | 0.63 | 11.46 | 11.67 | 11.78 | 1 | False | 0.52 |
| 258223 | 0.70 | 0.71 | 10.87 | 10.76 | 10.92 | 4 | False | -1.11 |
| 258226 | 0.81 | 0.81 | 9.49 | 9.49 | 9.71 | 1 | False | -0.06 |
| 258233 | 0.72 | 0.72 | 10.67 | 10.67 | 10.83 | 1 | False | -0.41 |
| 258258 | 0.69 | 0.70 | 11.04 | 10.93 | 11.08 | 4 | False | -1.14 |
| 258281 | 0.69 | 0.71 | 11.02 | 10.79 | 10.94 | 1 | False | -0.93 |
| 258294 | 0.78 | 0.77 | 9.91 | 10.04 | 10.24 | 1 | False | 0.54 |

Table J-10. 2010 MCAS: Delta Analysis Results – Mathematics Grade 5

| <i>Item Number</i> | <i>Old P</i> | <i>New P</i> | <i>Old Delta</i> | <i>New Delta</i> | <i>Line</i> | <i>Max</i> | <i>Discard</i> | <i>Std</i> |
|--------------------|--------------|--------------|------------------|------------------|-------------|------------|----------------|------------|
| 198672 | 0.64 | 0.65 | 11.57 | 11.46 | 11.70 | 1 | False | -0.85 |
| 198678 | 0.54 | 0.54 | 12.57 | 12.57 | 12.81 | 4 | False | -0.43 |
| 198686 | 0.63 | 0.65 | 11.65 | 11.43 | 11.67 | 4 | False | -1.29 |
| 198687 | 0.66 | 0.69 | 11.35 | 11.02 | 11.26 | 1 | False | -1.04 |
| 204708 | 0.85 | 0.90 | 8.85 | 7.87 | 8.14 | 1 | False | 1.56 |
| 204712 | 0.90 | 0.90 | 7.87 | 7.87 | 8.14 | 1 | False | -0.29 |
| 204785 | 0.83 | 0.87 | 9.18 | 8.49 | 8.76 | 1 | False | 0.37 |
| 204842 | 0.75 | 0.74 | 10.30 | 10.43 | 10.68 | 1 | False | 0.15 |
| 204843 | 0.71 | 0.78 | 10.79 | 9.91 | 10.16 | 1 | False | 1.19 |
| 204915 | 0.86 | 0.85 | 8.68 | 8.85 | 9.12 | 1 | False | 0.41 |
| 206930 | 0.52 | 0.56 | 12.80 | 12.40 | 12.63 | 1 | False | -0.71 |
| 207514 | 0.67 | 0.66 | 11.24 | 11.35 | 11.59 | 1 | False | 0.06 |
| 221120 | 0.70 | 0.70 | 10.90 | 10.90 | 11.15 | 1 | False | -0.38 |
| 221523 | 0.73 | 0.73 | 10.55 | 10.55 | 10.80 | 1 | False | -0.37 |
| 248998 | 0.81 | 0.81 | 9.49 | 9.49 | 9.74 | 1 | False | -0.34 |
| 249000 | 0.43 | 0.44 | 13.71 | 13.60 | 13.83 | 1 | False | -0.89 |
| 249075 | 0.55 | 0.57 | 12.50 | 12.29 | 12.53 | 1 | False | -1.27 |
| 260681 | 0.59 | 0.66 | 12.09 | 11.35 | 11.59 | 1 | False | 0.66 |
| 260696 | 0.72 | 0.68 | 10.67 | 11.13 | 11.37 | 1 | False | 1.53 |
| 260705 | 0.54 | 0.58 | 12.60 | 12.19 | 12.43 | 1 | False | -0.70 |
| 260821 | 0.70 | 0.77 | 10.90 | 10.04 | 10.30 | 1 | False | 1.12 |
| 260837 | 0.57 | 0.67 | 12.29 | 11.24 | 11.48 | 1 | False | 1.97 |
| 261228 | 0.50 | 0.53 | 13.00 | 12.72 | 12.96 | 4 | False | -1.23 |
| 261578 | 0.69 | 0.68 | 11.02 | 11.13 | 11.37 | 1 | False | 0.08 |
| 261591 | 0.70 | 0.71 | 10.90 | 10.79 | 11.03 | 1 | False | -0.86 |
| 261594 | 0.89 | 0.88 | 8.09 | 8.30 | 8.57 | 1 | False | 0.56 |
| 261598 | 0.71 | 0.72 | 10.79 | 10.67 | 10.92 | 1 | False | -0.87 |
| 272892 | 0.70 | 0.66 | 10.90 | 11.35 | 11.59 | 1 | False | 1.47 |
| 272911 | 0.71 | 0.79 | 10.79 | 9.77 | 10.03 | 1 | False | 1.75 |
| 273044 | 0.79 | 0.83 | 9.77 | 9.18 | 9.44 | 1 | False | -0.02 |
| 273050 | 0.70 | 0.72 | 10.90 | 10.67 | 10.92 | 1 | False | -1.35 |

Table J-11. 2010 MCAS: Delta Analysis Results – Mathematics Grade 6

| <i>Item Number</i> | <i>Old P</i> | <i>New P</i> | <i>Old Delta</i> | <i>New Delta</i> | <i>Line</i> | <i>Max</i> | <i>Discard</i> | <i>Std</i> |
|--------------------|--------------|--------------|------------------|------------------|-------------|------------|----------------|------------|
| 217507 | 0.66 | 0.69 | 11.35 | 11.02 | 11.17 | 1 | False | -0.14 |
| 221630 | 0.66 | 0.67 | 11.35 | 11.24 | 11.38 | 1 | False | -0.87 |
| 223163 | 0.74 | 0.75 | 10.43 | 10.30 | 10.49 | 1 | False | -0.73 |
| 223228 | 0.54 | 0.55 | 12.60 | 12.50 | 12.59 | 1 | False | -0.98 |
| 226187 | 0.83 | 0.85 | 9.18 | 8.85 | 9.10 | 1 | False | -0.65 |
| 227450 | 0.61 | 0.65 | 11.88 | 11.46 | 11.59 | 1 | False | 0.41 |
| 227497 | 0.82 | 0.83 | 9.34 | 9.18 | 9.42 | 1 | False | -0.64 |
| 227709 | 0.84 | 0.86 | 9.02 | 8.68 | 8.94 | 1 | False | -0.61 |
| 227720 | 0.82 | 0.84 | 9.34 | 9.02 | 9.27 | 1 | False | -0.67 |
| 227737 | 0.65 | 0.68 | 11.46 | 11.13 | 11.28 | 1 | False | -0.14 |
| 227740 | 0.70 | 0.71 | 10.90 | 10.79 | 10.95 | 1 | False | -0.80 |
| 229917 | 0.79 | 0.79 | 9.77 | 9.77 | 9.98 | 1 | False | 0.01 |
| 229927 | 0.80 | 0.84 | 9.63 | 9.02 | 9.27 | 1 | False | 0.80 |
| 229936 | 0.71 | 0.77 | 10.82 | 10.04 | 10.24 | 4 | False | 1.83 |
| 251289 | 0.80 | 0.79 | 9.63 | 9.77 | 9.98 | 1 | False | 0.71 |
| 251345 | 0.82 | 0.80 | 9.34 | 9.63 | 9.85 | 1 | False | 1.51 |
| 251347 | 0.58 | 0.60 | 12.19 | 12.01 | 12.12 | 4 | False | -0.69 |
| 251387 | 0.76 | 0.77 | 10.17 | 10.04 | 10.24 | 1 | False | -0.70 |
| 251467 | 0.79 | 0.84 | 9.77 | 9.02 | 9.27 | 1 | False | 1.51 |
| 251575 | 0.65 | 0.63 | 11.46 | 11.67 | 11.80 | 1 | False | 0.66 |
| 264309 | 0.58 | 0.59 | 12.17 | 12.06 | 12.17 | 4 | False | -1.01 |
| 265892 | 0.81 | 0.82 | 9.49 | 9.34 | 9.57 | 1 | False | -0.64 |
| 265896 | 0.75 | 0.76 | 10.30 | 10.17 | 10.37 | 1 | False | -0.72 |
| 266129 | 0.58 | 0.58 | 12.19 | 12.19 | 12.29 | 1 | False | -0.53 |
| 272300 | 0.69 | 0.64 | 11.02 | 11.57 | 11.70 | 1 | False | 2.36 |
| 272306 | 0.49 | 0.49 | 13.10 | 13.10 | 13.16 | 1 | False | -0.73 |
| 272358 | 0.71 | 0.72 | 10.79 | 10.67 | 10.84 | 1 | False | -0.78 |
| 273824 | 0.70 | 0.69 | 10.90 | 11.02 | 11.17 | 1 | False | 0.30 |
| 281968 | 0.57 | 0.64 | 12.29 | 11.57 | 11.70 | 1 | False | 1.95 |

Table J-12. 2010 MCAS: Delta Analysis Results – Mathematics Grade 7

| <i>Item Number</i> | <i>Old P</i> | <i>New P</i> | <i>Old Delta</i> | <i>New Delta</i> | <i>Line</i> | <i>Max</i> | <i>Discard</i> | <i>Std</i> |
|--------------------|--------------|--------------|------------------|------------------|-------------|------------|----------------|------------|
| 198325 | 0.83 | 0.82 | 9.18 | 9.34 | 9.28 | 1 | False | -0.65 |
| 198393 | 0.56 | 0.57 | 12.40 | 12.29 | 12.57 | 1 | False | -0.31 |
| 205230 | 0.64 | 0.66 | 11.57 | 11.35 | 11.52 | 1 | False | -0.89 |
| 205464 | 0.60 | 0.62 | 11.99 | 11.78 | 12.00 | 1 | False | -1.03 |
| 205504 | 0.76 | 0.71 | 10.17 | 10.79 | 10.89 | 1 | False | 2.04 |
| 205585 | 0.78 | 0.79 | 9.91 | 9.77 | 9.77 | 1 | False | -0.46 |
| 208512 | 0.75 | 0.71 | 10.30 | 10.79 | 10.89 | 1 | False | 1.49 |
| 208618 | 0.71 | 0.68 | 10.79 | 11.13 | 11.28 | 1 | False | 1.04 |
| 208665 | 0.58 | 0.58 | 12.24 | 12.17 | 12.43 | 4 | False | -0.27 |
| 208708 | 0.66 | 0.69 | 11.35 | 11.02 | 11.15 | 1 | False | -0.21 |
| 208772 | 0.79 | 0.79 | 9.77 | 9.77 | 9.77 | 1 | False | -1.05 |
| 219513 | 0.87 | 0.87 | 8.49 | 8.49 | 8.34 | 1 | False | -0.42 |
| 219525 | 0.91 | 0.89 | 7.64 | 8.09 | 7.90 | 1 | False | 0.05 |
| 228019 | 0.71 | 0.73 | 10.79 | 10.55 | 10.63 | 1 | False | -0.40 |
| 235415 | 0.43 | 0.45 | 13.71 | 13.50 | 13.92 | 1 | False | -0.16 |
| 235468 | 0.66 | 0.74 | 11.35 | 10.43 | 10.49 | 1 | False | 2.63 |
| 249164 | 0.53 | 0.53 | 12.70 | 12.70 | 13.02 | 1 | False | 0.32 |
| 250262 | 0.50 | 0.60 | 13.00 | 11.99 | 12.23 | 1 | False | 2.26 |
| 250330 | 0.62 | 0.63 | 11.78 | 11.67 | 11.88 | 1 | False | -0.64 |
| 250437 | 0.83 | 0.82 | 9.18 | 9.34 | 9.28 | 1 | False | -0.65 |
| 250450 | 0.67 | 0.67 | 11.30 | 11.24 | 11.40 | 4 | False | -0.63 |
| 250480 | 0.51 | 0.55 | 12.90 | 12.50 | 12.80 | 1 | False | -0.64 |
| 250494 | 0.84 | 0.86 | 9.02 | 8.68 | 8.55 | 1 | False | 0.98 |
| 259162 | 0.70 | 0.72 | 10.90 | 10.67 | 10.76 | 1 | False | -0.48 |
| 261637 | 0.61 | 0.65 | 11.88 | 11.46 | 11.64 | 1 | False | -0.04 |
| 261650 | 0.71 | 0.70 | 10.79 | 10.90 | 11.02 | 1 | False | -0.05 |
| 262321 | 0.70 | 0.73 | 10.90 | 10.61 | 10.70 | 4 | False | -0.19 |
| 272149 | 0.51 | 0.55 | 12.90 | 12.50 | 12.80 | 1 | False | -0.64 |
| 281972 | 0.71 | 0.72 | 10.79 | 10.67 | 10.76 | 4 | False | -0.98 |

Table J-13. 2010 MCAS: Delta Analysis Results – Mathematics Grade 8

| <i>Item Number</i> | <i>Old P</i> | <i>New P</i> | <i>Old Delta</i> | <i>New Delta</i> | <i>Line</i> | <i>Max</i> | <i>Discard</i> | <i>Std</i> |
|--------------------|--------------|--------------|------------------|------------------|-------------|------------|----------------|------------|
| 219579 | 0.89 | 0.88 | 8.09 | 8.30 | 8.27 | 1 | False | -0.32 |
| 219599 | 0.51 | 0.58 | 12.90 | 12.19 | 12.59 | 1 | False | 0.63 |
| 219614 | 0.80 | 0.80 | 9.63 | 9.63 | 9.75 | 1 | False | -0.76 |
| 219677 | 0.60 | 0.66 | 11.99 | 11.35 | 11.66 | 1 | False | 0.79 |
| 219703 | 0.46 | 0.48 | 13.40 | 13.20 | 13.71 | 1 | False | 0.66 |
| 226927 | 0.66 | 0.70 | 11.35 | 10.90 | 11.16 | 1 | False | -0.23 |
| 226933 | 0.51 | 0.53 | 12.90 | 12.70 | 13.16 | 1 | False | 0.25 |
| 227750 | 0.36 | 0.46 | 14.43 | 13.40 | 13.94 | 1 | False | 2.03 |
| 227807 | 0.57 | 0.59 | 12.29 | 12.09 | 12.48 | 1 | False | -0.27 |
| 227812 | 0.36 | 0.39 | 14.43 | 14.12 | 14.73 | 1 | False | 0.55 |
| 227814 | 0.73 | 0.74 | 10.55 | 10.43 | 10.63 | 1 | False | -1.01 |
| 227825 | 0.56 | 0.59 | 12.40 | 12.09 | 12.48 | 1 | False | -1.01 |
| 228127 | 0.82 | 0.81 | 9.34 | 9.49 | 9.59 | 1 | False | 0.23 |
| 228579 | 0.50 | 0.55 | 13.00 | 12.50 | 12.93 | 1 | False | -1.12 |
| 228687 | 0.92 | 0.92 | 7.38 | 7.38 | 7.25 | 1 | False | -0.66 |
| 229552 | 0.70 | 0.71 | 10.90 | 10.79 | 11.03 | 1 | False | -0.67 |
| 253742 | 0.62 | 0.62 | 11.78 | 11.78 | 12.13 | 1 | False | 0.98 |
| 253758 | 0.79 | 0.79 | 9.77 | 9.77 | 9.91 | 1 | False | -0.64 |
| 253766 | 0.66 | 0.70 | 11.35 | 10.90 | 11.16 | 1 | False | -0.23 |
| 253813 | 0.63 | 0.65 | 11.73 | 11.43 | 11.75 | 4 | False | -1.46 |
| 253894 | 0.60 | 0.62 | 11.99 | 11.75 | 12.10 | 4 | False | -0.76 |
| 263846 | 0.61 | 0.67 | 11.88 | 11.24 | 11.54 | 1 | False | 0.92 |
| 263851 | 0.71 | 0.74 | 10.79 | 10.43 | 10.63 | 1 | False | -0.49 |
| 264776 | 0.70 | 0.75 | 10.90 | 10.30 | 10.49 | 1 | False | 1.38 |
| 264777 | 0.76 | 0.81 | 10.17 | 9.49 | 9.59 | 1 | False | 2.67 |
| 265583 | 0.53 | 0.56 | 12.72 | 12.45 | 12.88 | 4 | False | -0.51 |
| 265932 | 0.78 | 0.77 | 9.91 | 10.04 | 10.21 | 1 | False | 0.56 |
| 268713 | 0.85 | 0.84 | 8.85 | 9.02 | 9.07 | 1 | False | -0.02 |
| 272945 | 0.59 | 0.62 | 12.14 | 11.80 | 12.16 | 4 | False | -1.47 |

Table J-14. 2010 MCAS: Delta Analysis Results – Mathematics Grade 10

| <i>Item Number</i> | <i>Old P</i> | <i>New P</i> | <i>Old Delta</i> | <i>New Delta</i> | <i>Line</i> | <i>Max</i> | <i>Discard</i> | <i>Std</i> |
|--------------------|--------------|--------------|------------------|------------------|-------------|------------|----------------|------------|
| 268424 | 0.42 | 0.44 | 13.81 | 13.60 | 13.60 | 1 | False | -0.32 |
| 268496 | 0.86 | 0.85 | 8.68 | 8.85 | 9.03 | 1 | False | 0.18 |
| 268496 | 0.86 | 0.87 | 8.68 | 8.49 | 8.68 | 1 | False | -1.11 |
| 268672 | 0.57 | 0.57 | 12.29 | 12.29 | 12.34 | 1 | False | -0.96 |
| 271553 | 0.77 | 0.80 | 10.04 | 9.63 | 9.78 | 1 | False | -0.11 |
| 272831 | 0.58 | 0.55 | 12.19 | 12.50 | 12.53 | 1 | False | 0.15 |
| 273261 | 0.65 | 0.67 | 11.46 | 11.24 | 11.32 | 1 | False | -0.60 |
| 273261 | 0.65 | 0.65 | 11.46 | 11.46 | 11.53 | 1 | False | -0.84 |
| 273319 | 0.63 | 0.66 | 11.70 | 11.38 | 11.45 | 4 | False | -0.20 |
| 273322 | 0.64 | 0.65 | 11.57 | 11.46 | 11.53 | 1 | False | -0.98 |
| 273351 | 0.70 | 0.68 | 10.90 | 11.13 | 11.21 | 1 | False | 0.05 |
| 273448 | 0.66 | 0.68 | 11.35 | 11.13 | 11.21 | 1 | False | -0.61 |
| 273573 | 0.89 | 0.88 | 8.09 | 8.30 | 8.49 | 1 | False | 0.37 |
| 273580 | 0.61 | 0.61 | 11.88 | 11.88 | 11.94 | 1 | False | -0.90 |
| 273603 | 0.63 | 0.65 | 11.73 | 11.51 | 11.58 | 4 | False | -0.58 |
| 273603 | 0.63 | 0.64 | 11.73 | 11.57 | 11.64 | 4 | False | -0.78 |
| 273605 | 0.64 | 0.68 | 11.54 | 11.16 | 11.24 | 4 | False | -0.01 |
| 273610 | 0.63 | 0.62 | 11.67 | 11.78 | 11.84 | 1 | False | -0.49 |
| 273624 | 0.52 | 0.55 | 12.80 | 12.50 | 12.53 | 1 | False | -0.11 |
| 274011 | 0.62 | 0.60 | 11.78 | 11.99 | 12.04 | 1 | False | -0.14 |
| 274042 | 0.79 | 0.78 | 9.77 | 9.91 | 10.04 | 1 | False | -0.11 |
| 274101 | 0.70 | 0.71 | 10.90 | 10.79 | 10.89 | 1 | False | -1.05 |
| 274462 | 0.67 | 0.74 | 11.24 | 10.43 | 10.54 | 1 | False | 1.49 |
| 276457 | 0.61 | 0.60 | 11.88 | 11.99 | 12.04 | 1 | False | -0.53 |
| 276566 | 0.69 | 0.69 | 10.99 | 11.04 | 11.13 | 4 | False | -0.57 |
| 278523 | 0.59 | 0.60 | 12.09 | 11.99 | 12.04 | 1 | False | -0.92 |
| 278568 | 0.76 | 0.77 | 10.17 | 10.04 | 10.17 | 1 | False | -1.10 |
| 279054 | 0.71 | 0.74 | 10.79 | 10.43 | 10.54 | 1 | False | -0.19 |
| 279054 | 0.71 | 0.73 | 10.79 | 10.55 | 10.66 | 1 | False | -0.63 |
| 279059 | 0.57 | 0.56 | 12.29 | 12.40 | 12.43 | 1 | False | -0.60 |
| 279062 | 0.39 | 0.38 | 14.12 | 14.22 | 14.19 | 1 | False | -0.84 |
| 279062 | 0.39 | 0.40 | 14.12 | 14.01 | 13.99 | 1 | False | -0.64 |
| 279067 | 0.80 | 0.82 | 9.63 | 9.34 | 9.49 | 1 | False | -0.59 |
| 279067 | 0.82 | 0.82 | 9.34 | 9.34 | 9.49 | 1 | False | -0.54 |
| 279092 | 0.55 | 0.55 | 12.50 | 12.50 | 12.53 | 1 | False | -0.99 |
| 279114 | 0.45 | 0.42 | 13.50 | 13.81 | 13.79 | 1 | False | -0.04 |
| 279118 | 0.37 | 0.43 | 14.33 | 13.71 | 13.69 | 1 | False | 1.24 |
| 279118 | 0.37 | 0.44 | 14.33 | 13.60 | 13.60 | 1 | False | 1.61 |
| 279242 | 0.55 | 0.56 | 12.50 | 12.40 | 12.43 | 1 | False | -0.87 |
| 279267 | 0.60 | 0.61 | 12.01 | 11.91 | 11.96 | 4 | False | -0.93 |
| 279309 | 0.79 | 0.81 | 9.77 | 9.49 | 9.64 | 1 | False | -0.60 |
| 279314 | 0.80 | 0.85 | 9.63 | 8.85 | 9.03 | 1 | False | 1.14 |
| 279510 | 0.67 | 0.72 | 11.27 | 10.73 | 10.83 | 4 | False | 0.52 |
| 227869 | 0.61 | 0.61 | 11.88 | 11.88 | 11.94 | 1 | False | -0.90 |
| 227869 | 0.60 | 0.62 | 11.99 | 11.78 | 11.84 | 1 | False | -0.56 |
| 227888 | 0.53 | 0.57 | 12.70 | 12.29 | 12.34 | 1 | False | 0.24 |
| 227888 | 0.50 | 0.54 | 13.00 | 12.60 | 12.63 | 1 | False | 0.27 |
| 227936 | 0.63 | 0.63 | 11.67 | 11.67 | 11.74 | 1 | False | -0.87 |
| 227936 | 0.57 | 0.63 | 12.29 | 11.67 | 11.74 | 1 | False | 0.96 |
| 227950 | 0.53 | 0.49 | 12.70 | 13.10 | 13.11 | 1 | False | 0.42 |
| 227950 | 0.51 | 0.51 | 12.90 | 12.90 | 12.92 | 1 | False | -1.04 |
| 229533 | 0.48 | 0.50 | 13.20 | 13.00 | 13.01 | 1 | False | -0.42 |

Table J-14. 2010 MCAS: Delta Analysis Results – Mathematics Grade 10

| <i>Item Number</i> | <i>Old P</i> | <i>New P</i> | <i>Old Delta</i> | <i>New Delta</i> | <i>Line</i> | <i>Max</i> | <i>Discard</i> | <i>Std</i> |
|--------------------|--------------|--------------|------------------|------------------|-------------|------------|----------------|------------|
| 229533 | 0.52 | 0.50 | 12.80 | 13.00 | 13.01 | 1 | False | -0.31 |
| 229564 | 0.42 | 0.42 | 13.81 | 13.86 | 13.84 | 4 | False | -0.99 |
| 229564 | 0.44 | 0.39 | 13.58 | 14.09 | 14.06 | 4 | False | 0.69 |
| 229594 | 0.48 | 0.60 | 13.20 | 11.99 | 12.04 | 1 | True | 3.20 |
| 229594 | 0.48 | 0.58 | 13.20 | 12.19 | 12.24 | 1 | True | 2.47 |
| 229625 | 0.54 | 0.54 | 12.60 | 12.60 | 12.63 | 1 | False | -1.00 |
| 229625 | 0.52 | 0.54 | 12.80 | 12.60 | 12.63 | 1 | False | -0.47 |
| 229776 | 0.68 | 0.66 | 11.13 | 11.35 | 11.43 | 1 | False | 0.00 |
| 229776 | 0.71 | 0.68 | 10.79 | 11.13 | 11.21 | 1 | False | 0.48 |
| 229932 | 0.59 | 0.52 | 12.09 | 12.80 | 12.82 | 1 | False | 1.61 |
| 229932 | 0.58 | 0.52 | 12.19 | 12.80 | 12.82 | 1 | False | 1.22 |
| 229964 | 0.61 | 0.52 | 11.88 | 12.80 | 12.82 | 1 | False | 2.37 |
| 229964 | 0.64 | 0.52 | 11.57 | 12.80 | 12.82 | 1 | True | 3.55 |
| 229995 | 0.49 | 0.56 | 13.10 | 12.40 | 12.43 | 1 | False | 1.37 |
| 229995 | 0.49 | 0.55 | 13.10 | 12.50 | 12.53 | 1 | False | 1.00 |
| 230072 | 0.39 | 0.42 | 14.12 | 13.81 | 13.79 | 1 | False | 0.10 |
| 230072 | 0.41 | 0.40 | 13.91 | 14.01 | 13.99 | 1 | False | -0.82 |
| 250625 | 0.55 | 0.53 | 12.50 | 12.70 | 12.72 | 1 | False | -0.27 |
| 250670 | 0.45 | 0.44 | 13.50 | 13.60 | 13.60 | 1 | False | -0.77 |
| 250670 | 0.46 | 0.42 | 13.40 | 13.81 | 13.79 | 1 | False | 0.33 |
| 250912 | 0.48 | 0.54 | 13.20 | 12.60 | 12.63 | 1 | False | 1.02 |
| 250912 | 0.48 | 0.54 | 13.20 | 12.60 | 12.63 | 1 | False | 1.02 |
| 251026 | 0.71 | 0.75 | 10.79 | 10.30 | 10.42 | 1 | False | 0.25 |
| 251666 | 0.47 | 0.46 | 13.33 | 13.43 | 13.43 | 4 | False | -0.74 |
| 251666 | 0.49 | 0.49 | 13.13 | 13.15 | 13.16 | 4 | False | -0.99 |
| 253144 | 0.49 | 0.54 | 13.10 | 12.60 | 12.63 | 1 | False | 0.64 |
| 253144 | 0.49 | 0.52 | 13.10 | 12.80 | 12.82 | 1 | False | -0.08 |
| 253190 | 0.68 | 0.62 | 11.13 | 11.78 | 11.84 | 1 | False | 1.52 |
| 253190 | 0.68 | 0.60 | 11.13 | 11.99 | 12.04 | 1 | False | 2.27 |
| 253721 | 0.51 | 0.50 | 12.90 | 13.00 | 13.01 | 1 | False | -0.69 |
| 253721 | 0.53 | 0.50 | 12.70 | 13.00 | 13.01 | 1 | False | 0.06 |
| 254107 | 0.40 | 0.30 | 14.01 | 15.10 | 15.03 | 1 | False | 2.67 |
| 254107 | 0.40 | 0.29 | 14.01 | 15.21 | 15.14 | 1 | True | 3.09 |
| 254149 | 0.79 | 0.80 | 9.74 | 9.67 | 9.81 | 4 | False | -0.85 |
| 254149 | 0.80 | 0.81 | 9.67 | 9.56 | 9.71 | 4 | False | -0.97 |
| 254550 | 0.62 | 0.62 | 11.78 | 11.78 | 11.84 | 1 | False | -0.89 |
| 254550 | 0.64 | 0.57 | 11.57 | 12.29 | 12.34 | 1 | False | 1.75 |
| 254553 | 0.45 | 0.42 | 13.50 | 13.81 | 13.79 | 4 | False | -0.04 |
| 254553 | 0.46 | 0.44 | 13.43 | 13.58 | 13.57 | 4 | False | -0.58 |
| 254592 | 0.49 | 0.55 | 13.10 | 12.50 | 12.53 | 1 | False | 1.00 |
| 254592 | 0.49 | 0.54 | 13.10 | 12.60 | 12.63 | 1 | False | 0.64 |
| 254606 | 0.49 | 0.50 | 13.10 | 13.00 | 13.01 | 1 | False | -0.79 |
| 254606 | 0.49 | 0.48 | 13.10 | 13.20 | 13.21 | 1 | False | -0.71 |
| 254659 | 0.63 | 0.67 | 11.67 | 11.24 | 11.32 | 1 | False | 0.19 |
| 254671 | 0.53 | 0.52 | 12.70 | 12.80 | 12.82 | 1 | False | -0.66 |
| 254671 | 0.53 | 0.52 | 12.70 | 12.80 | 12.82 | 1 | False | -0.66 |
| 254820 | 0.50 | 0.50 | 13.00 | 13.00 | 13.01 | 1 | False | -1.06 |
| 254820 | 0.52 | 0.51 | 12.80 | 12.90 | 12.92 | 1 | False | -0.67 |
| 254846 | 0.63 | 0.59 | 11.67 | 12.09 | 12.14 | 1 | False | 0.62 |
| 254846 | 0.62 | 0.58 | 11.78 | 12.19 | 12.24 | 1 | False | 0.59 |
| 254885 | 0.50 | 0.51 | 13.00 | 12.90 | 12.92 | 1 | False | -0.81 |
| 254885 | 0.50 | 0.53 | 13.00 | 12.70 | 12.72 | 1 | False | -0.09 |
| 258457 | 0.66 | 0.66 | 11.35 | 11.35 | 11.43 | 1 | False | -0.83 |

Table J-14. 2010 MCAS: Delta Analysis Results – Mathematics Grade 10

| <i>Item Number</i> | <i>Old P</i> | <i>New P</i> | <i>Old Delta</i> | <i>New Delta</i> | <i>Line</i> | <i>Max</i> | <i>Discard</i> | <i>Std</i> |
|--------------------|--------------|--------------|------------------|------------------|-------------|------------|----------------|------------|
| 258457 | 0.65 | 0.65 | 11.46 | 11.46 | 11.53 | 1 | False | -0.84 |
| 258466 | 0.51 | 0.52 | 12.90 | 12.80 | 12.82 | 1 | False | -0.82 |
| 258466 | 0.51 | 0.53 | 12.90 | 12.70 | 12.72 | 1 | False | -0.46 |
| 258807 | 0.68 | 0.73 | 11.13 | 10.55 | 10.66 | 1 | False | 0.64 |
| 258807 | 0.67 | 0.72 | 11.24 | 10.67 | 10.77 | 1 | False | 0.63 |
| 258814 | 0.59 | 0.64 | 12.09 | 11.57 | 11.64 | 1 | False | 0.58 |
| 258814 | 0.62 | 0.65 | 11.78 | 11.46 | 11.53 | 1 | False | -0.20 |
| 258815 | 0.77 | 0.75 | 10.04 | 10.30 | 10.42 | 1 | False | 0.28 |
| 260875 | 0.66 | 0.66 | 11.35 | 11.35 | 11.43 | 1 | False | -0.83 |
| 260882 | 0.53 | 0.56 | 12.70 | 12.40 | 12.43 | 1 | False | -0.13 |
| 261484 | 0.77 | 0.77 | 10.04 | 10.04 | 10.17 | 1 | False | -0.64 |
| 261538 | 0.54 | 0.49 | 12.60 | 13.10 | 13.11 | 1 | False | 0.79 |
| 261546 | 0.72 | 0.72 | 10.64 | 10.73 | 10.83 | 4 | False | -0.41 |
| 261736 | 0.45 | 0.46 | 13.50 | 13.40 | 13.40 | 1 | False | -0.73 |
| 261736 | 0.42 | 0.48 | 13.81 | 13.20 | 13.21 | 1 | False | 1.12 |
| 268054 | 0.59 | 0.62 | 12.09 | 11.78 | 11.84 | 1 | False | -0.18 |
| 268100 | 0.71 | 0.73 | 10.79 | 10.55 | 10.66 | 1 | False | -0.63 |
| 268104 | 0.68 | 0.66 | 11.16 | 11.32 | 11.40 | 4 | False | -0.21 |
| 268104 | 0.68 | 0.65 | 11.16 | 11.51 | 11.58 | 4 | False | 0.47 |
| 268306 | 0.57 | 0.58 | 12.29 | 12.19 | 12.24 | 1 | False | -0.90 |
| 268306 | 0.57 | 0.58 | 12.29 | 12.19 | 12.24 | 1 | False | -0.90 |

Table J-15. 2010 MCAS: Delta Analysis Results – Science and Technology/Engineering Grade 5

| <i>Item Number</i> | <i>Old P</i> | <i>New P</i> | <i>Old Delta</i> | <i>New Delta</i> | <i>Line</i> | <i>Max</i> | <i>Discard</i> | <i>Std</i> |
|--------------------|--------------|--------------|------------------|------------------|-------------|------------|----------------|------------|
| 227828 | 0.64 | 0.66 | 11.59 | 11.35 | 11.39 | 4 | False | -0.24 |
| 227859 | 0.88 | 0.89 | 8.30 | 8.09 | 8.05 | 1 | False | 0.01 |
| 228993 | 0.58 | 0.56 | 12.19 | 12.40 | 12.47 | 1 | False | 0.11 |
| 229266 | 0.78 | 0.74 | 9.91 | 10.43 | 10.44 | 1 | False | 1.35 |
| 229322 | 0.79 | 0.79 | 9.77 | 9.77 | 9.77 | 1 | False | -1.20 |
| 245343 | 0.88 | 0.88 | 8.30 | 8.30 | 8.26 | 1 | False | -1.01 |
| 245362 | 0.81 | 0.84 | 9.49 | 9.02 | 9.00 | 1 | False | 1.14 |
| 245468 | 0.57 | 0.60 | 12.29 | 11.99 | 12.05 | 1 | False | -0.01 |
| 245485 | 0.78 | 0.76 | 9.91 | 10.17 | 10.18 | 1 | False | 0.11 |
| 245539 | 0.70 | 0.71 | 10.90 | 10.79 | 10.81 | 1 | False | -0.78 |
| 253115 | 0.79 | 0.81 | 9.77 | 9.49 | 9.48 | 1 | False | 0.21 |
| 253150 | 0.78 | 0.78 | 9.91 | 9.91 | 9.91 | 1 | False | -1.20 |
| 264845 | 0.37 | 0.41 | 14.30 | 13.91 | 14.02 | 4 | False | 0.14 |
| 264868 | 0.80 | 0.74 | 9.63 | 10.43 | 10.44 | 1 | False | 2.69 |
| 264881 | 0.66 | 0.67 | 11.35 | 11.24 | 11.28 | 1 | False | -0.87 |
| 273693 | 0.90 | 0.89 | 7.87 | 8.09 | 8.05 | 1 | False | -0.37 |
| 273717 | 0.64 | 0.66 | 11.57 | 11.35 | 11.39 | 1 | False | -0.37 |
| 273760 | 0.53 | 0.53 | 12.70 | 12.70 | 12.78 | 1 | False | -0.83 |
| 273776 | 0.71 | 0.67 | 10.79 | 11.24 | 11.28 | 1 | False | 1.16 |
| 281843 | 0.88 | 0.88 | 8.30 | 8.30 | 8.26 | 1 | False | -1.01 |
| 281844 | 0.79 | 0.82 | 9.77 | 9.34 | 9.33 | 1 | False | 0.95 |

Table J-16. 2010 MCAS: Delta Analysis Results – Science and Technology/Engineering Grade 8

| <i>Item Number</i> | <i>Old P</i> | <i>New P</i> | <i>Old Delta</i> | <i>New Delta</i> | <i>Line</i> | <i>Max</i> | <i>Discard</i> | <i>Std</i> |
|--------------------|--------------|--------------|------------------|------------------|-------------|------------|----------------|------------|
| 229335 | 0.72 | 0.72 | 10.67 | 10.67 | 10.73 | 1 | False | -1.08 |
| 229382 | 0.75 | 0.74 | 10.30 | 10.43 | 10.48 | 1 | False | -0.25 |
| 229394 | 0.59 | 0.58 | 12.09 | 12.19 | 12.32 | 1 | False | 0.16 |
| 229404 | 0.55 | 0.55 | 12.50 | 12.50 | 12.64 | 1 | False | -0.50 |
| 229421 | 0.86 | 0.87 | 8.68 | 8.49 | 8.46 | 1 | False | 0.06 |
| 229437 | 0.68 | 0.67 | 11.13 | 11.24 | 11.33 | 1 | False | -0.09 |
| 229451 | 0.72 | 0.71 | 10.67 | 10.79 | 10.85 | 1 | False | -0.18 |
| 229455 | 0.59 | 0.63 | 12.06 | 11.73 | 11.83 | 4 | False | 0.16 |
| 246328 | 0.66 | 0.68 | 11.35 | 11.13 | 11.21 | 1 | False | -0.51 |
| 246356 | 0.51 | 0.53 | 12.90 | 12.70 | 12.85 | 1 | False | -1.16 |
| 265230 | 0.44 | 0.51 | 13.60 | 12.90 | 13.06 | 1 | False | 2.46 |
| 265247 | 0.49 | 0.50 | 13.10 | 13.00 | 13.16 | 1 | False | -1.07 |
| 265280 | 0.34 | 0.34 | 14.65 | 14.65 | 14.89 | 1 | False | 0.19 |
| 265283 | 0.71 | 0.69 | 10.79 | 11.02 | 11.09 | 1 | False | 0.71 |
| 265292 | 0.58 | 0.56 | 12.19 | 12.40 | 12.53 | 1 | False | 0.96 |
| 265305 | 0.70 | 0.70 | 10.90 | 10.90 | 10.97 | 1 | False | -1.01 |
| 273955 | 0.85 | 0.84 | 8.85 | 9.02 | 9.01 | 1 | False | -0.38 |
| 273956 | 0.52 | 0.55 | 12.80 | 12.50 | 12.64 | 1 | False | -0.36 |
| 282039 | 0.72 | 0.76 | 10.67 | 10.17 | 10.21 | 1 | False | 1.79 |
| 282043 | 0.44 | 0.46 | 13.58 | 13.43 | 13.61 | 4 | False | -1.31 |
| 282065 | 0.56 | 0.61 | 12.40 | 11.88 | 12.00 | 1 | False | 1.39 |

Table J-17. 2010 MCAS: Delta Analysis Results – High School Biology

| <i>Item Number</i> | <i>Old</i> | <i>New P</i> | <i>Old Delta</i> | <i>New Delta</i> | <i>Line</i> | <i>Max</i> | <i>Discard</i> | <i>Std</i> |
|--------------------|------------|--------------|------------------|------------------|-------------|------------|----------------|------------|
| 208026 | 0.65 | 0.77 | 11.46 | 10.04 | 10.03 | 1 | True | 3.27 |
| 222034 | 0.62 | 0.69 | 11.78 | 11.02 | 11.03 | 1 | False | 1.22 |
| 222368 | 0.66 | 0.77 | 11.35 | 10.04 | 10.03 | 1 | False | 2.94 |
| 234725 | 0.53 | 0.54 | 12.70 | 12.60 | 12.65 | 1 | False | -0.91 |
| 234764 | 0.70 | 0.66 | 10.90 | 11.35 | 11.37 | 1 | False | 0.37 |
| 234810 | 0.59 | 0.59 | 12.09 | 12.09 | 12.13 | 1 | False | -0.94 |
| 242939 | 0.85 | 0.84 | 8.85 | 9.02 | 8.99 | 1 | False | -0.66 |
| 243541 | 0.62 | 0.58 | 11.78 | 12.19 | 12.23 | 1 | False | 0.33 |
| 256913 | 0.86 | 0.83 | 8.68 | 9.18 | 9.15 | 1 | False | 0.38 |
| 256939 | 0.79 | 0.79 | 9.77 | 9.77 | 9.76 | 1 | False | -1.01 |
| 260738 | 0.54 | 0.55 | 12.60 | 12.50 | 12.55 | 1 | False | -0.90 |
| 260740 | 0.55 | 0.56 | 12.50 | 12.40 | 12.44 | 1 | False | -0.90 |
| 260756 | 0.64 | 0.69 | 11.57 | 11.02 | 11.03 | 1 | False | 0.57 |
| 260757 | 0.55 | 0.60 | 12.50 | 11.99 | 12.02 | 1 | False | 0.38 |
| 260764 | 0.37 | 0.33 | 14.35 | 14.76 | 14.86 | 4 | False | 0.49 |
| 260951 | 0.81 | 0.85 | 9.49 | 8.85 | 8.81 | 1 | False | 0.99 |
| 260956 | 0.67 | 0.65 | 11.24 | 11.46 | 11.48 | 1 | False | -0.32 |
| 261006 | 0.64 | 0.64 | 11.57 | 11.57 | 11.59 | 1 | False | -0.98 |
| 261023 | 0.81 | 0.82 | 9.49 | 9.34 | 9.31 | 1 | False | -0.52 |
| 266393 | 0.66 | 0.62 | 11.35 | 11.78 | 11.81 | 1 | False | 0.34 |
| 266428 | 0.49 | 0.57 | 13.10 | 12.27 | 12.31 | 4 | False | 1.34 |
| 267509 | 0.60 | 0.59 | 11.99 | 12.09 | 12.13 | 1 | False | -0.63 |
| 272915 | 0.75 | 0.74 | 10.30 | 10.43 | 10.43 | 1 | False | -0.69 |
| 273278 | 0.82 | 0.83 | 9.34 | 9.18 | 9.15 | 1 | False | -0.49 |
| 273279 | 0.56 | 0.55 | 12.40 | 12.50 | 12.55 | 1 | False | -0.60 |
| 273499 | 0.40 | 0.42 | 14.01 | 13.81 | 13.89 | 1 | False | -0.68 |
| 273513 | 0.52 | 0.49 | 12.85 | 13.13 | 13.19 | 4 | False | -0.02 |
| 273523 | 0.75 | 0.74 | 10.30 | 10.43 | 10.43 | 1 | False | -0.69 |
| 273526 | 0.60 | 0.59 | 11.99 | 12.09 | 12.13 | 1 | False | -0.63 |
| 273529 | 0.46 | 0.42 | 13.40 | 13.81 | 13.89 | 1 | False | 0.42 |
| 273539 | 0.74 | 0.70 | 10.43 | 10.90 | 10.91 | 1 | False | 0.42 |
| 273540 | 0.82 | 0.75 | 9.34 | 10.30 | 10.30 | 1 | False | 1.86 |
| 273541 | 0.86 | 0.84 | 8.68 | 9.02 | 8.99 | 1 | False | -0.12 |
| 273817 | 0.32 | 0.33 | 14.84 | 14.82 | 14.92 | 4 | False | -0.82 |
| 273818 | 0.57 | 0.57 | 12.29 | 12.29 | 12.34 | 1 | False | -0.93 |
| 273830 | 0.61 | 0.63 | 11.88 | 11.67 | 11.70 | 1 | False | -0.51 |
| 275469 | 0.64 | 0.65 | 11.57 | 11.46 | 11.48 | 1 | False | -0.81 |
| 275470 | 0.68 | 0.63 | 11.13 | 11.67 | 11.70 | 1 | False | 0.68 |
| 275478 | 0.61 | 0.61 | 11.88 | 11.88 | 11.92 | 1 | False | -0.96 |
| 275491 | 0.70 | 0.72 | 10.90 | 10.67 | 10.67 | 1 | False | -0.36 |
| 275518 | 0.76 | 0.74 | 10.17 | 10.43 | 10.43 | 1 | False | -0.30 |
| 275519 | 0.72 | 0.73 | 10.67 | 10.55 | 10.55 | 1 | False | -0.70 |
| 275564 | 0.64 | 0.67 | 11.57 | 11.24 | 11.26 | 1 | False | -0.13 |
| 279818 | 0.36 | 0.40 | 14.41 | 14.01 | 14.10 | 4 | False | -0.13 |
| 281501 | 0.80 | 0.74 | 9.63 | 10.43 | 10.43 | 1 | False | 1.35 |

Table J-18. 2010 MCAS: Delta Analysis Results – High School Chemistry

| <i>Item Number</i> | <i>Old P</i> | <i>New P</i> | <i>Old Delta</i> | <i>New Delta</i> | <i>Line</i> | <i>Max</i> | <i>Discard</i> | <i>Std</i> |
|--------------------|--------------|--------------|------------------|------------------|-------------|------------|----------------|------------|
| 226409 | 0.59 | 0.61 | 12.09 | 11.88 | 11.79 | 1 | False | -0.35 |
| 229340 | 0.70 | 0.72 | 10.90 | 10.67 | 10.46 | 1 | False | 0.14 |
| 229566 | 0.74 | 0.73 | 10.43 | 10.55 | 10.33 | 1 | False | -1.07 |
| 229591 | 0.65 | 0.57 | 11.46 | 12.29 | 12.24 | 1 | False | 1.32 |
| 230393 | 0.64 | 0.63 | 11.57 | 11.67 | 11.56 | 1 | False | -1.39 |
| 230516 | 0.49 | 0.48 | 13.10 | 13.20 | 13.23 | 1 | False | -0.98 |
| 244811 | 0.78 | 0.71 | 9.91 | 10.79 | 10.59 | 1 | False | 0.97 |
| 244825 | 0.40 | 0.39 | 14.01 | 14.12 | 14.23 | 1 | False | -0.67 |
| 244924 | 0.57 | 0.53 | 12.29 | 12.70 | 12.68 | 1 | False | -0.07 |
| 244941 | 0.52 | 0.54 | 12.80 | 12.60 | 12.57 | 1 | False | -0.60 |
| 245010 | 0.46 | 0.43 | 13.40 | 13.76 | 13.83 | 4 | False | 0.10 |
| 246701 | 0.58 | 0.55 | 12.19 | 12.50 | 12.46 | 1 | False | -0.49 |
| 246716 | 0.45 | 0.46 | 13.50 | 13.40 | 13.44 | 1 | False | -1.22 |
| 246818 | 0.65 | 0.67 | 11.46 | 11.24 | 11.08 | 1 | False | -0.10 |
| 252566 | 0.71 | 0.75 | 10.79 | 10.30 | 10.06 | 1 | False | 1.15 |
| 258939 | 0.73 | 0.71 | 10.55 | 10.79 | 10.59 | 1 | False | -1.28 |
| 258961 | 0.57 | 0.63 | 12.29 | 11.67 | 11.56 | 1 | False | 1.18 |
| 258971 | 0.29 | 0.32 | 15.21 | 14.87 | 15.05 | 1 | False | -0.84 |
| 260026 | 0.54 | 0.53 | 12.60 | 12.70 | 12.68 | 1 | False | -1.14 |
| 260761 | 0.78 | 0.79 | 9.91 | 9.77 | 9.48 | 1 | False | 0.09 |
| 260767 | 0.53 | 0.52 | 12.70 | 12.80 | 12.79 | 1 | False | -1.11 |
| 260768 | 0.72 | 0.69 | 10.67 | 11.02 | 10.84 | 1 | False | -0.82 |
| 260769 | 0.41 | 0.49 | 13.91 | 13.10 | 13.12 | 1 | False | 1.38 |
| 260772 | 0.43 | 0.45 | 13.71 | 13.50 | 13.55 | 1 | False | -0.89 |
| 260777 | 0.46 | 0.42 | 13.40 | 13.81 | 13.89 | 1 | False | 0.29 |
| 260789 | 0.43 | 0.42 | 13.71 | 13.83 | 13.92 | 4 | False | -0.68 |
| 260798 | 0.45 | 0.41 | 13.48 | 13.91 | 14.00 | 4 | False | 0.42 |
| 260893 | 0.40 | 0.49 | 14.01 | 13.10 | 13.12 | 1 | False | 1.75 |
| 260915 | 0.43 | 0.41 | 13.71 | 13.91 | 14.00 | 1 | False | -0.38 |
| 261054 | 0.59 | 0.65 | 12.09 | 11.46 | 11.32 | 1 | False | 1.29 |
| 261086 | 0.49 | 0.45 | 13.10 | 13.50 | 13.55 | 1 | False | 0.18 |
| 261163 | 0.57 | 0.54 | 12.29 | 12.60 | 12.57 | 1 | False | -0.46 |
| 261194 | 0.50 | 0.58 | 13.00 | 12.19 | 12.12 | 1 | False | 1.67 |
| 261454 | 0.45 | 0.40 | 13.50 | 14.01 | 14.11 | 1 | False | 0.73 |
| 261460 | 0.49 | 0.49 | 13.10 | 13.10 | 13.12 | 1 | False | -1.37 |
| 261468 | 0.45 | 0.47 | 13.50 | 13.30 | 13.33 | 1 | False | -0.83 |
| 261656 | 0.56 | 0.57 | 12.40 | 12.29 | 12.24 | 1 | False | -0.85 |
| 264315 | 0.45 | 0.53 | 13.50 | 12.70 | 12.68 | 1 | False | 1.49 |
| 268510 | 0.28 | 0.34 | 15.39 | 14.65 | 14.81 | 4 | False | 0.63 |
| 271944 | 0.43 | 0.46 | 13.71 | 13.40 | 13.44 | 1 | False | -0.50 |
| 273002 | 0.57 | 0.53 | 12.29 | 12.70 | 12.68 | 1 | False | -0.07 |
| 273010 | 0.81 | 0.71 | 9.49 | 10.79 | 10.59 | 1 | False | 2.46 |
| 273199 | 0.50 | 0.45 | 13.00 | 13.50 | 13.55 | 1 | False | 0.54 |
| 281923 | 0.69 | 0.66 | 11.02 | 11.35 | 11.20 | 1 | False | -0.76 |
| 281964 | 0.52 | 0.45 | 12.85 | 13.53 | 13.58 | 4 | False | 1.16 |

Table J-19. 2010 MCAS: Delta Analysis Results – High School Introductory Physics

| <i>Item Number</i> | <i>Old P</i> | <i>New P</i> | <i>Old Delta</i> | <i>New Delta</i> | <i>Line</i> | <i>Max</i> | <i>Discard</i> | <i>Std</i> |
|--------------------|--------------|--------------|------------------|------------------|-------------|------------|----------------|------------|
| 206593 | 0.55 | 0.52 | 12.50 | 12.80 | 12.73 | 1 | False | -0.24 |
| 207946 | 0.60 | 0.57 | 11.99 | 12.29 | 12.23 | 1 | False | -0.16 |
| 207983 | 0.54 | 0.53 | 12.60 | 12.70 | 12.63 | 1 | False | -1.28 |
| 208480 | 0.46 | 0.51 | 13.38 | 12.92 | 12.85 | 4 | False | 1.28 |
| 226057 | 0.54 | 0.47 | 12.60 | 13.30 | 13.22 | 1 | False | 1.82 |
| 226734 | 0.59 | 0.63 | 12.09 | 11.67 | 11.62 | 1 | False | 0.98 |
| 226762 | 0.74 | 0.71 | 10.43 | 10.79 | 10.75 | 1 | False | 0.26 |
| 226848 | 0.56 | 0.52 | 12.40 | 12.80 | 12.73 | 1 | False | 0.29 |
| 230888 | 0.58 | 0.59 | 12.19 | 12.09 | 12.03 | 1 | False | -0.63 |
| 235442 | 0.69 | 0.67 | 11.02 | 11.24 | 11.20 | 1 | False | -0.50 |
| 246956 | 0.55 | 0.55 | 12.50 | 12.50 | 12.43 | 1 | False | -1.12 |
| 252042 | 0.80 | 0.85 | 9.63 | 8.85 | 8.86 | 1 | False | 2.61 |
| 258362 | 0.41 | 0.40 | 13.96 | 14.01 | 13.92 | 4 | False | -1.25 |
| 261138 | 0.74 | 0.78 | 10.43 | 9.91 | 9.89 | 1 | False | 1.33 |
| 261264 | 0.45 | 0.40 | 13.50 | 14.01 | 13.92 | 1 | False | 0.74 |
| 261498 | 0.66 | 0.68 | 11.35 | 11.13 | 11.09 | 1 | False | -0.10 |
| 266481 | 0.41 | 0.43 | 13.91 | 13.71 | 13.62 | 1 | False | 0.06 |
| 272637 | 0.52 | 0.55 | 12.80 | 12.50 | 12.43 | 1 | False | 0.46 |
| 272645 | 0.74 | 0.73 | 10.43 | 10.55 | 10.52 | 1 | False | -0.96 |
| 272655 | 0.71 | 0.66 | 10.79 | 11.35 | 11.31 | 1 | False | 1.27 |
| 272657 | 0.84 | 0.84 | 9.02 | 9.02 | 9.02 | 1 | False | -1.46 |
| 272665 | 0.67 | 0.68 | 11.24 | 11.13 | 11.09 | 1 | False | -0.67 |
| 272667 | 0.64 | 0.63 | 11.57 | 11.67 | 11.62 | 1 | False | -1.15 |
| 272673 | 0.72 | 0.68 | 10.67 | 11.13 | 11.09 | 1 | False | 0.75 |
| 272678 | 0.72 | 0.66 | 10.67 | 11.35 | 11.31 | 1 | False | 1.89 |
| 272680 | 0.56 | 0.58 | 12.40 | 12.19 | 12.13 | 1 | False | -0.09 |
| 272683 | 0.56 | 0.56 | 12.40 | 12.40 | 12.33 | 1 | False | -1.13 |
| 272687 | 0.79 | 0.80 | 9.77 | 9.63 | 9.62 | 1 | False | -0.66 |
| 272690 | 0.77 | 0.80 | 10.04 | 9.63 | 9.62 | 1 | False | 0.76 |
| 272694 | 0.75 | 0.72 | 10.30 | 10.67 | 10.64 | 1 | False | 0.31 |
| 272730 | 0.48 | 0.46 | 13.20 | 13.40 | 13.32 | 1 | False | -0.82 |
| 272742 | 0.56 | 0.54 | 12.40 | 12.60 | 12.53 | 1 | False | -0.74 |
| 272747 | 0.75 | 0.77 | 10.30 | 10.04 | 10.03 | 1 | False | -0.01 |
| 272794 | 0.68 | 0.62 | 11.13 | 11.78 | 11.73 | 1 | False | 1.68 |
| 272802 | 0.38 | 0.37 | 14.22 | 14.33 | 14.23 | 1 | False | -1.41 |
| 272804 | 0.81 | 0.79 | 9.49 | 9.77 | 9.76 | 1 | False | -0.03 |
| 272805 | 0.70 | 0.69 | 10.90 | 11.02 | 10.98 | 1 | False | -1.05 |
| 272815 | 0.76 | 0.77 | 10.17 | 10.04 | 10.03 | 1 | False | -0.68 |
| 272823 | 0.33 | 0.35 | 14.73 | 14.60 | 14.49 | 4 | False | -0.21 |
| 273154 | 0.38 | 0.40 | 14.22 | 14.01 | 13.92 | 1 | False | 0.11 |
| 273424 | 0.44 | 0.46 | 13.58 | 13.45 | 13.37 | 4 | False | -0.37 |
| 273435 | 0.66 | 0.65 | 11.35 | 11.46 | 11.41 | 1 | False | -1.12 |
| 273445 | 0.69 | 0.64 | 11.02 | 11.57 | 11.52 | 1 | False | 1.18 |
| 280766 | 0.42 | 0.44 | 13.83 | 13.63 | 13.55 | 4 | False | 0.05 |
| 281907 | 0.75 | 0.77 | 10.30 | 10.04 | 10.03 | 1 | False | -0.01 |

Table J-20. 2010 MCAS: Delta Analysis Results – High School Technology/Engineering

| <i>Item Number</i> | <i>Old P</i> | <i>New P</i> | <i>Old Delta</i> | <i>New Delta</i> | <i>Line</i> | <i>Max</i> | <i>Discard</i> | <i>Std</i> |
|--------------------|--------------|--------------|------------------|------------------|-------------|------------|----------------|------------|
| 206612 | 0.66 | 0.55 | 11.35 | 12.50 | 12.24 | 1 | False | 0.49 |
| 206763 | 0.74 | 0.74 | 10.43 | 10.43 | 10.17 | 1 | False | -0.80 |
| 206765 | 0.62 | 0.62 | 11.78 | 11.78 | 11.52 | 1 | False | -0.81 |
| 208125 | 0.58 | 0.46 | 12.19 | 13.40 | 13.15 | 1 | False | 0.62 |
| 209201 | 0.71 | 0.82 | 10.79 | 9.34 | 9.08 | 1 | False | 2.15 |
| 209219 | 0.75 | 0.71 | 10.30 | 10.79 | 10.53 | 1 | False | -0.87 |
| 209221 | 0.78 | 0.87 | 9.91 | 8.49 | 8.23 | 1 | False | 2.09 |
| 221606 | 0.30 | 0.43 | 15.10 | 13.71 | 13.45 | 4 | False | 2.02 |
| 221994 | 0.81 | 0.84 | 9.49 | 9.02 | 8.76 | 1 | False | 0.15 |
| 222047 | 0.34 | 0.47 | 14.65 | 13.30 | 13.05 | 1 | False | 1.93 |
| 246643 | 0.91 | 0.90 | 7.64 | 7.87 | 7.61 | 1 | False | -1.27 |
| 248607 | 0.83 | 0.84 | 9.18 | 9.02 | 8.76 | 1 | False | -0.47 |
| 260812 | 0.46 | 0.58 | 13.40 | 12.19 | 11.94 | 1 | False | 1.65 |
| 264190 | 0.63 | 0.68 | 11.67 | 11.13 | 10.87 | 1 | False | 0.30 |
| 265118 | 0.44 | 0.32 | 13.58 | 14.93 | 14.68 | 4 | False | 0.91 |
| 265136 | 0.43 | 0.44 | 13.71 | 13.60 | 13.35 | 1 | False | -0.61 |
| 265152 | 0.54 | 0.47 | 12.60 | 13.30 | 13.05 | 1 | False | -0.41 |
| 265169 | 0.50 | 0.49 | 13.00 | 13.10 | 12.85 | 1 | False | -1.02 |
| 268472 | 0.63 | 0.57 | 11.67 | 12.29 | 12.04 | 1 | False | -0.58 |
| 268478 | 0.51 | 0.53 | 12.90 | 12.70 | 12.45 | 1 | False | -0.41 |
| 268479 | 0.49 | 0.47 | 13.10 | 13.30 | 13.05 | 1 | False | -1.23 |
| 271587 | 0.38 | 0.30 | 14.25 | 15.10 | 14.85 | 4 | False | -0.11 |
| 271589 | 0.69 | 0.66 | 11.02 | 11.35 | 11.09 | 1 | False | -1.18 |
| 271590 | 0.48 | 0.47 | 13.20 | 13.30 | 13.05 | 1 | False | -1.02 |
| 273076 | 0.61 | 0.50 | 11.88 | 13.00 | 12.75 | 1 | False | 0.43 |
| 273077 | 0.58 | 0.57 | 12.19 | 12.29 | 12.04 | 1 | False | -1.02 |
| 273082 | 0.77 | 0.66 | 10.04 | 11.35 | 11.09 | 1 | False | 0.80 |
| 273100 | 0.66 | 0.61 | 11.35 | 11.88 | 11.63 | 1 | False | -0.77 |
| 273108 | 0.32 | 0.31 | 14.87 | 14.98 | 14.74 | 1 | False | -1.06 |
| 273110 | 0.64 | 0.68 | 11.57 | 11.13 | 10.87 | 1 | False | 0.08 |
| 273136 | 0.86 | 0.78 | 8.68 | 9.91 | 9.65 | 1 | False | 0.65 |
| 273164 | 0.71 | 0.68 | 10.79 | 11.13 | 10.87 | 1 | False | -1.16 |
| 274335 | 0.38 | 0.36 | 14.25 | 14.46 | 14.21 | 4 | False | -1.26 |
| 274336 | 0.47 | 0.35 | 13.35 | 14.54 | 14.29 | 4 | False | 0.58 |
| 274574 | 0.77 | 0.70 | 10.04 | 10.90 | 10.64 | 1 | False | -0.11 |
| 274580 | 0.41 | 0.34 | 13.91 | 14.65 | 14.40 | 1 | False | -0.33 |
| 274582 | 0.68 | 0.57 | 11.13 | 12.29 | 12.04 | 1 | False | 0.52 |
| 274603 | 0.60 | 0.55 | 11.99 | 12.50 | 12.24 | 1 | False | -0.81 |
| 274604 | 0.55 | 0.62 | 12.50 | 11.78 | 11.52 | 1 | False | 0.65 |
| 274627 | 0.93 | 0.90 | 7.10 | 7.87 | 7.61 | 1 | False | -0.29 |
| 275785 | 0.59 | 0.43 | 12.09 | 13.71 | 13.45 | 1 | False | 1.45 |
| 275790 | 0.82 | 0.73 | 9.34 | 10.55 | 10.29 | 1 | False | 0.61 |
| 279922 | 0.42 | 0.49 | 13.81 | 13.10 | 12.85 | 1 | False | 0.62 |
| 281931 | 0.74 | 0.71 | 10.43 | 10.79 | 10.53 | 1 | False | -1.13 |
| 281933 | 0.74 | 0.66 | 10.43 | 11.35 | 11.09 | 1 | False | 0.03 |

Rescore Analysis Results

Table J-21. 2010 MCAS: Rescore Analysis Results – English Language Arts Grade 3

| <i>Item Number</i> | <i>Max</i> | <i>Old Mean</i> | <i>New Mean</i> | <i>Old StDev</i> | <i>New StDev</i> | <i>Effect Size</i> | <i>Discard</i> |
|--------------------|------------|-----------------|-----------------|------------------|------------------|--------------------|----------------|
| 231830 | 4 | 1.40 | 1.39 | 0.89 | 0.97 | -0.01 | No |
| 220255 | 4 | 1.96 | 1.80 | 0.76 | 0.80 | -0.21 | No |

Table J-22. 2010 MCAS: Rescore Analysis Results – English Language Arts Grade 4

| <i>Item Number</i> | <i>Max</i> | <i>Old Mean</i> | <i>New Mean</i> | <i>Old StDev</i> | <i>New StDev</i> | <i>Effect Size</i> | <i>Discard</i> |
|--------------------|------------|-----------------|-----------------|------------------|------------------|--------------------|----------------|
| 232889 | 4 | 1.53 | 1.57 | 0.83 | 0.83 | 0.05 | No |
| 256212 | 4 | 1.87 | 2.05 | 0.90 | 0.90 | 0.21 | No |
| 227660 | 4 | 2.22 | 2.13 | 0.93 | 1.02 | -0.10 | No |

Table J-23. 2010 MCAS: Rescore Analysis Results – English Language Arts Grade 5

| <i>Item Number</i> | <i>Max</i> | <i>Old Mean</i> | <i>New Mean</i> | <i>Old StDev</i> | <i>New StDev</i> | <i>Effect Size</i> | <i>Discard</i> |
|--------------------|------------|-----------------|-----------------|------------------|------------------|--------------------|----------------|
| 208765 | 4 | 2.52 | 2.52 | 1.10 | 1.12 | 0.00 | No |
| 224867 | 4 | 1.88 | 1.86 | 0.95 | 0.97 | -0.02 | No |
| 205153 | 4 | 1.88 | 1.99 | 0.95 | 0.98 | 0.12 | No |

Table J-24. 2010 MCAS: Rescore Analysis Results – English Language Arts Grade 6

| <i>Item Number</i> | <i>Max</i> | <i>Old Mean</i> | <i>New Mean</i> | <i>Old StDev</i> | <i>New StDev</i> | <i>Effect Size</i> | <i>Discard</i> |
|--------------------|------------|-----------------|-----------------|------------------|------------------|--------------------|----------------|
| 207508 | 4 | 2.11 | 2.19 | 0.99 | 0.96 | 0.08 | No |
| 203352 | 4 | 2.54 | 2.56 | 0.95 | 0.96 | 0.02 | No |
| 245085 | 4 | 2.30 | 2.22 | 1.00 | 0.97 | -0.08 | No |

Table J-25. 2010 MCAS: Rescore Analysis Results – English Language Arts Grade 7

| <i>Item Number</i> | <i>Max</i> | <i>Old Mean</i> | <i>New Mean</i> | <i>Old StDev</i> | <i>New StDev</i> | <i>Effect Size</i> | <i>Discard</i> |
|--------------------|------------|-----------------|-----------------|------------------|------------------|--------------------|----------------|
| 223937 | 4 | 1.82 | 1.79 | 0.86 | 0.84 | -0.03 | No |
| 225055 | 4 | 2.13 | 2.02 | 1.11 | 1.04 | -0.09 | No |
| 234009 | 4 | 2.31 | 2.32 | 1.09 | 1.02 | 0.01 | No |

Table J-26. 2010 MCAS: Rescore Analysis Results – English Language Arts Grade 8

| <i>Item Number</i> | <i>Max</i> | <i>Old Mean</i> | <i>New Mean</i> | <i>Old StDev</i> | <i>New StDev</i> | <i>Effect Size</i> | <i>Discard</i> |
|--------------------|------------|-----------------|-----------------|------------------|------------------|--------------------|----------------|
| 207193 | 4 | 2.47 | 2.52 | 0.96 | 1.08 | 0.05 | No |
| 227783 | 4 | 2.65 | 2.67 | 1.00 | 1.03 | 0.02 | No |
| 207639 | 4 | 2.79 | 2.74 | 0.98 | 0.96 | -0.05 | No |

Table J-27. 2010 MCAS: Rescore Analysis Results – English Language Arts Grade 10

| <i>Item Number</i> | <i>Max</i> | <i>Old Mean</i> | <i>New Mean</i> | <i>Old StDev</i> | <i>New StDev</i> | <i>Effect Size</i> | <i>Discard</i> |
|--------------------|------------|-----------------|-----------------|------------------|------------------|--------------------|----------------|
| 228468 | 4 | 2.41 | 2.17 | 1.10 | 1.08 | -0.22 | No |
| 228485 | 4 | 2.42 | 2.35 | 0.97 | 1.01 | -0.08 | No |
| 253938 | 4 | 2.15 | 2.20 | 0.93 | 0.98 | 0.05 | No |
| 228266 | 4 | 2.16 | 2.09 | 1.05 | 1.09 | -0.07 | No |
| 254874 | 4 | 2.30 | 2.20 | 0.90 | 0.90 | -0.10 | No |
| 254237 | 4 | 2.34 | 2.37 | 1.14 | 1.06 | 0.02 | No |
| 255100 | 4 | 1.99 | 1.92 | 1.08 | 1.14 | -0.06 | No |
| 253817 | 4 | 2.35 | 2.32 | 0.99 | 0.92 | -0.02 | No |

Table J-28. 2010 MCAS: Rescore Analysis Results – Mathematics Grade 3

| <i>Item Number</i> | <i>Max</i> | <i>Old Mean</i> | <i>New Mean</i> | <i>Old StDev</i> | <i>New StDev</i> | <i>Effect Size</i> | <i>Discard</i> |
|--------------------|------------|-----------------|-----------------|------------------|------------------|--------------------|----------------|
| 218572 | 2 | 1.71 | 1.72 | 0.55 | 0.55 | 0.01 | No |
| 208002 | 2 | 1.67 | 1.65 | 0.67 | 0.68 | -0.03 | No |

Table J-29. 2010 MCAS: Rescore Analysis Results – Mathematics Grade 4

| <i>Item Number</i> | <i>Max</i> | <i>Old Mean</i> | <i>New Mean</i> | <i>Old StDev</i> | <i>New StDev</i> | <i>Effect Size</i> | <i>Discard</i> |
|--------------------|------------|-----------------|-----------------|------------------|------------------|--------------------|----------------|
| 258258 | 4 | 2.84 | 2.78 | 1.30 | 1.26 | -0.05 | No |
| 227323 | 4 | 2.32 | 2.17 | 1.39 | 1.40 | -0.11 | No |

Table J-30. 2010 MCAS: Rescore Analysis Results – Mathematics Grade 5

| <i>Item Number</i> | <i>Max</i> | <i>Old Mean</i> | <i>New Mean</i> | <i>Old StDev</i> | <i>New StDev</i> | <i>Effect Size</i> | <i>Discard</i> |
|--------------------|------------|-----------------|-----------------|------------------|------------------|--------------------|----------------|
| 198686 | 4 | 2.46 | 2.43 | 1.51 | 1.50 | -0.02 | No |
| 198678 | 4 | 2.16 | 2.11 | 1.44 | 1.48 | -0.04 | No |

Table J-31. 2010 MCAS: Rescore Analysis Results – Mathematics Grade 6

| <i>Item Number</i> | <i>Max</i> | <i>Old Mean</i> | <i>New Mean</i> | <i>Old StDev</i> | <i>New StDev</i> | <i>Effect Size</i> | <i>Discard</i> |
|--------------------|------------|-----------------|-----------------|------------------|------------------|--------------------|----------------|
| 251347 | 4 | 2.28 | 2.25 | 1.18 | 1.21 | -0.03 | No |
| 229936 | 4 | 2.87 | 2.92 | 1.36 | 1.31 | 0.03 | No |

Table J-32. 2010 MCAS: Rescore Analysis Results – Mathematics Grade 7

| <i>Item Number</i> | <i>Max</i> | <i>Old Mean</i> | <i>New Mean</i> | <i>Old StDev</i> | <i>New StDev</i> | <i>Effect Size</i> | <i>Discard</i> |
|--------------------|------------|-----------------|-----------------|------------------|------------------|--------------------|----------------|
| 250450 | 4 | 2.82 | 2.77 | 1.05 | 1.05 | -0.04 | No |
| 208665 | 4 | 2.43 | 2.38 | 1.45 | 1.44 | -0.04 | No |

Table J-33. 2010 MCAS: Rescore Analysis Results – Mathematics Grade 8

| <i>Item Number</i> | <i>Max</i> | <i>Old Mean</i> | <i>New Mean</i> | <i>Old StDev</i> | <i>New StDev</i> | <i>Effect Size</i> | <i>Discard</i> |
|--------------------|------------|-----------------|-----------------|------------------|------------------|--------------------|----------------|
| 253813 | 4 | 2.68 | 2.69 | 1.15 | 1.18 | 0.01 | No |
| 272945 | 4 | 2.36 | 2.41 | 1.04 | 1.03 | 0.05 | No |

Table J-34. 2010 MCAS: Rescore Analysis Results – Mathematics Grade 10

| <i>Item Number</i> | <i>Max</i> | <i>Old Mean</i> | <i>New Mean</i> | <i>Old StDev</i> | <i>New StDev</i> | <i>Effect Size</i> | <i>Discard</i> |
|--------------------|------------|-----------------|-----------------|------------------|------------------|--------------------|----------------|
| 273603 | 4 | 2.83 | 2.86 | 1.33 | 1.40 | 0.02 | No |
| 254553 | 4 | 1.87 | 1.93 | 1.40 | 1.40 | 0.04 | No |
| 229564 | 4 | 1.90 | 1.94 | 1.21 | 1.18 | 0.03 | No |

Table J-35. 2010 MCAS: Rescore Analysis Results – Science and Technology/Engineering Grade 5

| <i>Item Number</i> | <i>Max</i> | <i>Old Mean</i> | <i>New Mean</i> | <i>Old StDev</i> | <i>New StDev</i> | <i>Effect Size</i> | <i>Discard</i> |
|--------------------|------------|-----------------|-----------------|------------------|------------------|--------------------|----------------|
| 264845 | 4 | 1.53 | 1.61 | 1.26 | 1.32 | 0.06 | No |
| 227828 | 4 | 2.57 | 2.64 | 1.08 | 1.11 | 0.07 | No |

Table J-36. 2010 MCAS: Rescore Analysis Results – Science and Technology/Engineering Grade 8

| <i>Item Number</i> | <i>Max</i> | <i>Old Mean</i> | <i>New Mean</i> | <i>Old StDev</i> | <i>New StDev</i> | <i>Effect Size</i> | <i>Discard</i> |
|--------------------|------------|-----------------|-----------------|------------------|------------------|--------------------|----------------|
| 282043 | 4 | 1.86 | 1.85 | 1.01 | 1.06 | -0.01 | No |
| 229455 | 4 | 2.51 | 2.49 | 1.02 | 1.16 | -0.02 | No |

Table J-37. 2010 MCAS: Rescore Analysis Results – High School Biology

| <i>Item Number</i> | <i>Max</i> | <i>Old Mean</i> | <i>New Mean</i> | <i>Old StDev</i> | <i>New StDev</i> | <i>Effect Size</i> | <i>Discard</i> |
|--------------------|------------|-----------------|-----------------|------------------|------------------|--------------------|----------------|
| 260764 | 4 | 1.53 | 1.33 | 1.15 | 1.23 | -0.17 | No |
| 279818 | 4 | 1.36 | 1.50 | 1.17 | 1.23 | 0.12 | No |
| 273513 | 4 | 2.01 | 1.96 | 0.96 | 0.96 | -0.05 | No |
| 273817 | 4 | 1.17 | 1.10 | 1.18 | 1.16 | -0.06 | No |
| 266428 | 4 | 2.01 | 2.15 | 1.14 | 1.24 | 0.12 | No |

Table J-38. 2010 MCAS: Rescore Analysis Results – High School Chemistry

| <i>Item Number</i> | <i>Max</i> | <i>Old Mean</i> | <i>New Mean</i> | <i>Old StDev</i> | <i>New StDev</i> | <i>Effect Size</i> | <i>Discard</i> |
|--------------------|------------|-----------------|-----------------|------------------|------------------|--------------------|----------------|
| 281964 | 4 | 1.76 | 1.71 | 1.54 | 1.50 | -0.03 | No |
| 260798 | 4 | 1.40 | 1.42 | 1.24 | 1.23 | 0.01 | No |
| 268510 | 4 | 1.18 | 1.13 | 1.23 | 1.23 | -0.04 | No |
| 245010 | 4 | 1.43 | 1.46 | 1.33 | 1.31 | 0.03 | No |
| 260789 | 4 | 1.36 | 1.37 | 0.92 | 0.95 | 0.02 | No |

Table J-39. 2010 MCAS: Rescore Analysis Results – High School Introductory Physics

| <i>Item Number</i> | <i>Max</i> | <i>Old Mean</i> | <i>New Mean</i> | <i>Old StDev</i> | <i>New StDev</i> | <i>Effect Size</i> | <i>Discard</i> |
|--------------------|------------|-----------------|-----------------|------------------|------------------|--------------------|----------------|
| 258362 | 4 | 1.70 | 1.49 | 1.14 | 1.00 | -0.18 | No |
| 272823 | 4 | 1.52 | 1.44 | 1.17 | 1.14 | -0.07 | No |
| 273424 | 4 | 1.73 | 1.82 | 1.12 | 1.14 | 0.07 | No |
| 208480 | 4 | 1.70 | 1.71 | 1.25 | 1.17 | 0.01 | No |
| 280766 | 4 | 1.69 | 1.66 | 1.39 | 1.39 | -0.03 | No |

Table J-40. 2010 MCAS: Rescore Analysis Results – High School Technology/Engineering

| <i>Item</i> | | | <i>New</i> | <i>Old</i> | <i>New</i> | <i>Effect</i> | |
|---------------|------------|-----------------|-------------|--------------|--------------|---------------|----------------|
| <i>Number</i> | <i>Max</i> | <i>Old Mean</i> | <i>Mean</i> | <i>StDev</i> | <i>StDev</i> | <i>Size</i> | <i>Discard</i> |
| 221606 | 4 | 1.56 | 1.32 | 1.42 | 1.47 | -0.17 | No |
| 274336 | 4 | 1.59 | 1.50 | 1.28 | 1.26 | -0.07 | No |
| 274335 | 4 | 1.36 | 1.31 | 1.14 | 1.15 | -0.04 | No |
| 265118 | 4 | 1.77 | 1.54 | 1.40 | 1.38 | -0.17 | No |
| 271587 | 4 | 1.33 | 1.27 | 1.08 | 1.08 | -0.06 | No |