

**Table B-1
Suitability of Soils for Nonirrigated Agriculture in the Upper Raritan WMA (WMA 8)**

| HUC14 | HUC14 Area (Acres) | No Capability Class | | 1 | | 2E | | 2W | | 2S | | 3E | | 3W | | 3S | |
|---|--------------------|---------------------|---------|--------------|---------|--------------|---------|--------------|---------|--------------|---------|--------------|---------|--------------|---------|--------------|---------|
| | | Area (Acres) | Percent | Area (Acres) | Percent | Area (Acres) | Percent | Area (Acres) | Percent | Area (Acres) | Percent | Area (Acres) | Percent | Area (Acres) | Percent | Area (Acres) | Percent |
| South Branch Raritan River Above Spruce Run (02030105010) | | | | | | | | | | | | | | | | | |
| 010 | 5,935.66 | 54.45 | 0.92% | 0.00 | 0.00% | 1,623.25 | 27.35% | 121.75 | 2.05% | 0.00 | 0.00% | 761.24 | 12.82% | 0.00 | 0.00% | 0.00 | 0.00% |
| 020 | 4,684.13 | 20.42 | 0.44% | 0.00 | 0.00% | 1,544.90 | 32.98% | 915.92 | 19.55% | 0.00 | 0.00% | 443.03 | 9.46% | 0.00 | 0.00% | 0.00 | 0.00% |
| 030 | 3,218.06 | 387.97 | 12.06% | 11.33 | 0.35% | 592.53 | 18.41% | 86.62 | 2.69% | 0.00 | 0.00% | 441.20 | 13.71% | 0.00 | 0.00% | 0.00 | 0.00% |
| 040 | 4,264.79 | 13.39 | 0.31% | 0.00 | 0.00% | 1,546.79 | 36.27% | 92.30 | 2.16% | 0.00 | 0.00% | 898.91 | 21.08% | 0.00 | 0.00% | 0.00 | 0.00% |
| 050 | 9,766.24 | 64.70 | 0.66% | 0.00 | 0.00% | 3,307.99 | 33.87% | 741.34 | 7.59% | 0.00 | 0.00% | 1,294.66 | 13.26% | 0.00 | 0.00% | 0.00 | 0.00% |
| 060 | 9,530.51 | 63.24 | 0.66% | 0.00 | 0.00% | 3,134.51 | 32.89% | 315.10 | 3.31% | 0.00 | 0.00% | 1,264.00 | 13.26% | 0.00 | 0.00% | 0.00 | 0.00% |
| 070 | 5,050.33 | 30.64 | 0.61% | 0.00 | 0.00% | 558.22 | 11.05% | 25.79 | 0.51% | 0.00 | 0.00% | 292.06 | 5.78% | 0.00 | 0.00% | 0.00 | 0.00% |
| 080 | 2,961.24 | 44.17 | 1.49% | 0.00 | 0.00% | 564.79 | 19.07% | 14.49 | 0.49% | 0.00 | 0.00% | 517.67 | 17.48% | 38.20 | 1.29% | 0.00 | 0.00% |
| South Branch Raritan River Three Bridges to Spruce Run (02030105020) | | | | | | | | | | | | | | | | | |
| 010 | 7,867.83 | 28.67 | 0.36% | 0.00 | 0.00% | 1,562.27 | 19.86% | 55.84 | 0.71% | 0.00 | 0.00% | 695.75 | 8.84% | 0.00 | 0.00% | 0.00 | 0.00% |
| 020 | 2,056.53 | 3.32 | 0.16% | 0.00 | 0.00% | 143.73 | 6.99% | 0.30 | 0.01% | 0.00 | 0.00% | 93.60 | 4.55% | 0.00 | 0.00% | 0.00 | 0.00% |
| 030 | 9,413.41 | 17.28 | 0.18% | 0.00 | 0.00% | 3,195.95 | 33.95% | 3.69 | 0.04% | 0.00 | 0.00% | 2,231.57 | 23.71% | 203.21 | 2.16% | 0.00 | 0.00% |
| 040 | 7,808.14 | 1,373.14 | 17.59% | 7.04 | 0.09% | 1,346.60 | 17.25% | 96.62 | 1.24% | 0.00 | 0.00% | 1,254.28 | 16.06% | 34.79 | 0.45% | 0.00 | 0.00% |
| 050 | 4,437.97 | 2.36 | 0.05% | 0.00 | 0.00% | 1,686.50 | 38.00% | 5.34 | 0.12% | 0.00 | 0.00% | 810.91 | 18.27% | 0.00 | 0.00% | 0.00 | 0.00% |
| 060 | 9,105.42 | 9.55 | 0.10% | 101.63 | 1.12% | 4,483.38 | 49.24% | 225.68 | 2.48% | 0.00 | 0.00% | 2,699.73 | 29.65% | 653.48 | 7.18% | 0.00 | 0.00% |
| 070 | 5,262.95 | 63.68 | 1.21% | 43.93 | 0.83% | 1,770.05 | 33.63% | 534.34 | 10.15% | 0.00 | 0.00% | 1,774.29 | 33.71% | 124.43 | 2.36% | 0.00 | 0.00% |
| 080 | 4,720.69 | 49.00 | 1.04% | 66.67 | 1.41% | 1,262.24 | 26.74% | 389.66 | 8.25% | 0.00 | 0.00% | 1,404.12 | 29.74% | 206.77 | 4.38% | 0.00 | 0.00% |
| 090 | 7,218.25 | 2,212.59 | 30.65% | 0.00 | 0.00% | 1,030.61 | 14.28% | 298.98 | 4.14% | 0.00 | 0.00% | 833.08 | 11.54% | 329.75 | 4.57% | 0.00 | 0.00% |
| 100 | 13,122.00 | 98.06 | 0.75% | 89.53 | 0.68% | 3,106.38 | 23.67% | 992.13 | 7.56% | 0.00 | 0.00% | 4,584.23 | 34.94% | 1,566.41 | 11.94% | 0.00 | 0.00% |
| Neshanic River (02030105030) | | | | | | | | | | | | | | | | | |
| 010 | 3,303.59 | 0.00 | 0.00% | 0.00 | 0.00% | 489.02 | 14.80% | 202.41 | 6.13% | 0.00 | 0.00% | 938.74 | 28.42% | 1,034.26 | 31.31% | 0.00 | 0.00% |
| 020 | 3,958.80 | 1.59 | 0.04% | 7.95 | 0.20% | 823.43 | 20.80% | 393.09 | 9.93% | 0.00 | 0.00% | 1,018.70 | 25.73% | 1,176.55 | 29.72% | 0.00 | 0.00% |
| 030 | 3,610.30 | 1.69 | 0.05% | 0.00 | 0.00% | 1,540.00 | 42.66% | 162.78 | 4.51% | 0.00 | 0.00% | 1,189.74 | 32.95% | 498.43 | 13.81% | 0.00 | 0.00% |
| 040 | 3,319.83 | 2.98 | 0.09% | 0.00 | 0.00% | 1,272.27 | 38.32% | 158.57 | 4.78% | 0.00 | 0.00% | 1,021.67 | 30.77% | 571.79 | 17.22% | 0.00 | 0.00% |
| 050 | 7,474.10 | 12.67 | 0.17% | 0.00 | 0.00% | 2,265.30 | 30.31% | 280.54 | 3.75% | 0.00 | 0.00% | 2,545.76 | 34.06% | 1,125.71 | 15.06% | 0.00 | 0.00% |
| 060 | 13,999.68 | 42.13 | 0.30% | 2.18 | 0.02% | 4,465.54 | 31.90% | 981.39 | 7.01% | 0.00 | 0.00% | 4,184.89 | 29.89% | 2,673.57 | 19.10% | 0.00 | 0.00% |
| South Branch Raritan River - North Branch to Three Bridges (02030105040) | | | | | | | | | | | | | | | | | |
| 010 | 7,622.69 | 88.34 | 1.16% | 153.47 | 2.01% | 2,788.19 | 36.58% | 863.21 | 11.32% | 0.00 | 0.00% | 2,198.68 | 28.84% | 790.77 | 10.37% | 0.00 | 0.00% |
| 020 | 6,919.04 | 4.20 | 0.06% | 65.31 | 0.94% | 2,937.43 | 42.45% | 521.36 | 7.54% | 9.32 | 0.13% | 1,948.13 | 28.16% | 343.34 | 4.96% | 0.00 | 0.00% |
| 030 | 7,965.60 | 0.20 | 0.00% | 38.45 | 0.48% | 3,934.12 | 49.39% | 420.93 | 5.28% | 0.00 | 0.00% | 2,144.92 | 26.93% | 235.44 | 2.96% | 0.00 | 0.00% |
| 040 | 4,267.84 | 71.26 | 1.67% | 95.26 | 2.23% | 1,474.09 | 34.54% | 845.37 | 19.81% | 31.31 | 0.73% | 1,097.21 | 25.71% | 279.55 | 6.55% | 0.00 | 0.00% |
| Lamington River (02030105050) | | | | | | | | | | | | | | | | | |
| 010 | 4,014.03 | 242.33 | 6.04% | 0.00 | 0.00% | 819.26 | 20.41% | 16.94 | 0.42% | 0.00 | 0.00% | 457.05 | 11.39% | 0.00 | 0.00% | 0.00 | 0.00% |
| 020 | 7,065.55 | 46.21 | 0.65% | 133.99 | 1.90% | 1,918.79 | 27.16% | 209.35 | 2.96% | 0.00 | 0.00% | 1,107.18 | 15.67% | 0.00 | 0.00% | 0.00 | 0.00% |
| 030 | 3,843.04 | 14.69 | 0.38% | 0.00 | 0.00% | 1,374.60 | 35.77% | 192.61 | 5.01% | 0.00 | 0.00% | 668.26 | 17.39% | 0.00 | 0.00% | 0.00 | 0.00% |
| 040 | 5,702.56 | 34.95 | 0.61% | 0.00 | 0.00% | 1,637.79 | 28.72% | 101.43 | 1.78% | 0.00 | 0.00% | 1,622.61 | 28.45% | 0.00 | 0.00% | 0.00 | 0.00% |
| 050 | 3,147.93 | 0.53 | 0.02% | 19.55 | 0.62% | 917.68 | 29.15% | 152.07 | 4.83% | 2.78 | 0.09% | 1,039.68 | 33.03% | 0.00 | 0.00% | 0.00 | 0.00% |
| 060 | 3,988.01 | 11.82 | 0.30% | 10.06 | 0.25% | 1,273.23 | 31.93% | 110.78 | 2.78% | 0.00 | 0.00% | 1,083.42 | 27.17% | 33.47 | 0.84% | 0.00 | 0.00% |
| 070 | 8,948.04 | 73.20 | 0.82% | 87.48 | 0.98% | 3,556.74 | 39.75% | 1,082.42 | 12.10% | 0.00 | 0.00% | 2,431.15 | 27.17% | 177.61 | 1.98% | 0.00 | 0.00% |
| 080 | 10,840.33 | 16.87 | 0.16% | 6.16 | 0.06% | 3,205.80 | 29.57% | 98.68 | 0.91% | 0.00 | 0.00% | 1,661.76 | 15.33% | 32.58 | 0.30% | 0.00 | 0.00% |
| 090 | 3,262.54 | 4.87 | 0.15% | 0.00 | 0.00% | 1,461.40 | 44.79% | 303.58 | 9.31% | 0.00 | 0.00% | 932.91 | 28.59% | 96.85 | 2.97% | 0.00 | 0.00% |
| 100 | 7,910.01 | 34.63 | 0.44% | 0.00 | 0.00% | 2,848.04 | 36.01% | 318.51 | 4.03% | 0.00 | 0.00% | 1,811.95 | 22.91% | 308.52 | 3.90% | 0.00 | 0.00% |
| 110 | 4,833.29 | 71.66 | 1.48% | 40.25 | 0.83% | 2,131.14 | 44.09% | 1,025.14 | 21.21% | 0.00 | 0.00% | 1,044.24 | 21.61% | 178.49 | 3.69% | 0.00 | 0.00% |
| North Branch Raritan River above Lamington (02030105060) | | | | | | | | | | | | | | | | | |
| 010 | 4,281.10 | 10.40 | 0.24% | 0.00 | 0.00% | 1,541.50 | 36.01% | 0.00 | 0.00% | 0.00 | 0.00% | 510.12 | 11.92% | 0.00 | 0.00% | 0.00 | 0.00% |
| 020 | 4,253.69 | 23.32 | 0.55% | 0.00 | 0.00% | 1,218.98 | 28.66% | 29.15 | 0.69% | 0.00 | 0.00% | 816.76 | 19.20% | 0.00 | 0.00% | 0.00 | 0.00% |
| 030 | 4,896.79 | 36.74 | 0.75% | 0.00 | 0.00% | 1,557.21 | 31.80% | 74.55 | 1.52% | 0.00 | 0.00% | 1,222.85 | 24.97% | 0.00 | 0.00% | 0.00 | 0.00% |
| 040 | 4,804.67 | 43.53 | 0.91% | 0.00 | 0.00% | 1,109.48 | 23.09% | 30.04 | 0.63% | 0.00 | 0.00% | 1,225.90 | 25.51% | 2.75 | 0.06% | 0.00 | 0.00% |
| 050 | 4,228.28 | 6.28 | 0.15% | 0.00 | 0.00% | 1,196.96 | 28.31% | 185.39 | 4.38% | 0.00 | 0.00% | 902.13 | 21.34% | 0.00 | 0.00% | 0.00 | 0.00% |
| 060 | 3,247.97 | 3.68 | 0.11% | 0.00 | 0.00% | 699.38 | 21.53% | 138.72 | 4.27% | 0.00 | 0.00% | 1,097.13 | 33.78% | 73.06 | 2.25% | 0.00 | 0.00% |
| 070 | 5,379.51 | 15.77 | 0.29% | 0.00 | 0.00% | 1,315.14 | 24.45% | 189.99 | 3.53% | 0.00 | 0.00% | 1,351.04 | 25.11% | 69.05 | 1.28% | 0.00 | 0.00% |
| 080 | 4,279.21 | 5.10 | 0.12% | 0.00 | 0.00% | 1,799.54 | 42.05% | 362.77 | 8.48% | 0.00 | 0.00% | 1,431.17 | 33.44% | 164.56 | 3.85% | 0.00 | 0.00% |
| 090 | 5,562.20 | 21.57 | 0.39% | 0.00 | 0.00% | 1,807.35 | 32.49% | 1,252.53 | 22.52% | 0.00 | 0.00% | 985.07 | 17.71% | 253.08 | 4.55% | 0.00 | 0.00% |
| North Branch Raritan River - South Branch to Lamington (02030105070) | | | | | | | | | | | | | | | | | |
| 010 | 5,967.20 | 61.78 | 1.04% | 44.91 | 0.75% | 1,491.97 | 25.00% | 1,274.30 | 21.36% | 74.17 | 1.24% | 1,111.98 | 18.63% | 553.77 | 9.28% | 0.00 | 0.00% |
| 020 | 6,582.77 | 1.23 | 0.02% | 0.00 | 0.00% | 3,646.77 | 55.40% | 477.80 | 7.26% | 0.00 | 0.00% | 1,799.19 | 27.33% | 332.58 | 5.05% | 0.00 | 0.00% |
| 030 | 3,801.54 | 52.06 | 1.37% | 3.01 | 0.08% | 1,583.69 | 41.66% | 736.27 | 19.37% | 0.00 | 0.00% | 902.56 | 23.74% | 353.96 | 9.31% | 0.00 | 0.00% |

Source: Upper Raritan Watershed Association, July 2001

**Table B-1
Suitability of Soils for Nonirrigated Agriculture in the Upper Raritan WMA (WMA 8)**

| | 4E | | 4W | | 4S | | 5E | | 5W | | 5S | | 6E | | 6W | | 6S | |
|---|--------------|--------------|--------------|---------------|--------------|---------------|--------------|---------|--------------|---------------|--------------|---------|--------------|---------------|--------------|--------------|--------------|---------------|
| | Area (Acres) | Percent | Area (Acres) | Percent | Area (Acres) | Percent | Area (Acres) | Percent | Area (Acres) | Percent | Area (Acres) | Percent | Area (Acres) | Percent | Area (Acres) | Percent | Area (Acres) | Percent |
| South Branch Raritan River Above Spruce Run (02030105010) | | | | | | | | | | | | | | | | | | |
| 010 | 0.00 | 0.00% | 405.85 | 6.84% | 69.28 | 1.17% | 0.00 | 0.00% | 25.41 | 0.43% | 0.00 | 0.00% | 0.00 | 0.00% | 30.56 | 0.51% | 505.80 | 8.52% |
| 020 | 49.26 | 1.05% | 398.16 | 8.50% | 0.00 | 0.00% | 0.00 | 0.00% | 67.53 | 1.44% | 0.00 | 0.00% | 0.00 | 0.00% | 99.39 | 2.12% | 241.81 | 5.16% |
| 030 | 0.00 | 0.00% | 36.31 | 1.13% | 157.88 | 4.91% | 0.00 | 0.00% | 211.55 | 6.57% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 232.34 | 7.22% |
| 040 | 15.56 | 0.36% | 522.56 | 12.25% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 138.94 | 3.26% |
| 050 | 63.65 | 0.65% | 466.57 | 4.78% | 0.00 | 0.00% | 0.00 | 0.00% | 37.31 | 0.38% | 0.00 | 0.00% | 0.00 | 0.00% | 110.24 | 1.13% | 469.93 | 4.81% |
| 060 | 288.16 | 3.02% | 151.75 | 1.59% | 329.29 | 3.46% | 0.00 | 0.00% | 26.05 | 0.27% | 0.00 | 0.00% | 0.00 | 0.00% | 298.04 | 3.13% | 952.43 | 9.99% |
| 070 | 27.89 | 0.55% | 39.16 | 0.78% | 1,123.40 | 22.24% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 70.54 | 1.40% | 1,026.05 | 20.32% |
| 080 | 141.28 | 4.77% | 10.44 | 0.35% | 96.45 | 3.26% | 0.00 | 0.00% | 16.33 | 0.55% | 0.00 | 0.00% | 0.00 | 0.00% | 219.73 | 7.42% | 251.43 | 8.49% |
| South Branch Raritan River Three Bridges to Spruce Run (02030105020) | | | | | | | | | | | | | | | | | | |
| 010 | 226.24 | 2.88% | 77.39 | 0.98% | 1,868.40 | 23.75% | 0.00 | 0.00% | 3.13 | 0.04% | 0.00 | 0.00% | 0.00 | 0.00% | 126.19 | 1.60% | 1,488.06 | 18.91% |
| 020 | 17.92 | 0.87% | 24.74 | 1.20% | 395.26 | 19.22% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 40.51 | 1.97% | 530.37 | 25.79% |
| 030 | 251.37 | 2.67% | 31.91 | 0.34% | 615.50 | 6.54% | 0.00 | 0.00% | 49.65 | 0.53% | 0.00 | 0.00% | 0.00 | 0.00% | 254.51 | 2.70% | 609.97 | 6.48% |
| 040 | 535.89 | 6.86% | 120.67 | 1.55% | 569.66 | 7.30% | 0.00 | 0.00% | 3.62 | 0.05% | 0.00 | 0.00% | 0.00 | 0.00% | 44.25 | 0.57% | 760.65 | 9.74% |
| 050 | 152.37 | 3.43% | 111.89 | 2.52% | 402.61 | 9.07% | 0.00 | 0.00% | 33.62 | 0.76% | 0.00 | 0.00% | 9.91 | 0.22% | 217.17 | 4.89% | 363.88 | 8.20% |
| 060 | 542.75 | 5.96% | 20.97 | 0.23% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 12.47 | 0.14% |
| 070 | 417.73 | 7.94% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 2.86 | 0.05% | 111.52 | 2.12% | 7.45 | 0.14% |
| 080 | 187.32 | 3.97% | 6.76 | 0.14% | 23.95 | 0.51% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 86.58 | 1.83% | 34.19 | 0.72% | 302.41 | 6.41% |
| 090 | 311.05 | 4.31% | 0.00 | 0.00% | 56.63 | 0.78% | 0.00 | 0.00% | 0.65 | 0.01% | 0.00 | 0.00% | 53.03 | 0.73% | 13.01 | 0.18% | 734.08 | 10.17% |
| 100 | 417.99 | 3.19% | 157.52 | 1.20% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 327.68 | 2.50% | 0.00 | 0.00% | 918.33 | 7.00% |
| Neshanic River (02030105030) | | | | | | | | | | | | | | | | | | |
| 010 | 83.66 | 2.53% | 121.55 | 3.68% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 151.21 | 4.58% | 0.00 | 0.00% | 95.29 | 2.88% |
| 020 | 114.17 | 2.88% | 83.52 | 2.11% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 44.93 | 1.13% | 0.00 | 0.00% | 89.36 | 2.26% |
| 030 | 66.92 | 1.85% | 67.01 | 1.86% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 3.00 | 0.08% | 0.00 | 0.00% | 22.22 | 0.62% |
| 040 | 109.22 | 3.29% | 98.27 | 2.96% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 8.08 | 0.24% | 0.00 | 0.00% | 36.12 | 1.09% |
| 050 | 333.05 | 4.46% | 172.38 | 2.31% | 0.00 | 0.00% | 0.00 | 0.00% | 11.40 | 0.15% | 0.00 | 0.00% | 98.37 | 1.32% | 95.21 | 1.27% | 244.56 | 3.27% |
| 060 | 552.97 | 3.95% | 349.96 | 2.50% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 282.85 | 2.02% | 293.91 | 2.10% | 98.29 | 0.70% |
| South Branch Raritan River - North Branch to Three Bridges (02030105040) | | | | | | | | | | | | | | | | | | |
| 010 | 349.14 | 4.58% | 68.20 | 0.89% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 276.53 | 3.63% | 0.00 | 0.00% | 0.00 | 0.00% |
| 020 | 455.02 | 6.58% | 16.43 | 0.24% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 197.91 | 2.86% | 0.00 | 0.00% | 318.24 | 4.60% |
| 030 | 576.20 | 7.23% | 20.43 | 0.26% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 126.23 | 1.58% | 0.00 | 0.00% | 133.79 | 1.68% |
| 040 | 0.00 | 0.00% | 16.46 | 0.39% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 357.33 | 8.37% | 0.00 | 0.00% | 0.00 | 0.00% |
| Lamington River (02030105050) | | | | | | | | | | | | | | | | | | |
| 010 | 0.00 | 0.00% | 167.08 | 4.16% | 112.38 | 2.80% | 0.00 | 0.00% | 4.55 | 0.11% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 533.81 | 13.30% |
| 020 | 38.62 | 0.55% | 388.43 | 5.50% | 0.00 | 0.00% | 0.00 | 0.00% | 316.64 | 4.48% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 274.43 | 3.88% |
| 030 | 167.33 | 4.35% | 397.23 | 10.34% | 0.00 | 0.00% | 0.00 | 0.00% | 64.76 | 1.68% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 149.86 | 3.90% |
| 040 | 157.73 | 2.77% | 239.59 | 4.20% | 11.45 | 0.20% | 0.00 | 0.00% | 21.17 | 0.37% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 435.65 | 7.64% |
| 050 | 249.93 | 7.94% | 15.83 | 0.50% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 37.33 | 1.19% | 223.49 | 7.10% | 183.75 | 5.84% |
| 060 | 120.85 | 3.03% | 140.17 | 3.51% | 400.07 | 10.03% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 11.58 | 0.29% | 20.09 | 0.50% | 209.13 | 5.24% |
| 070 | 179.57 | 2.01% | 121.99 | 1.36% | 96.36 | 1.08% | 0.00 | 0.00% | 19.55 | 0.22% | 0.00 | 0.00% | 61.11 | 0.68% | 184.30 | 2.06% | 193.68 | 2.16% |
| 080 | 420.11 | 3.88% | 516.87 | 4.77% | 798.80 | 7.37% | 0.00 | 0.00% | 92.52 | 0.85% | 0.00 | 0.00% | 23.02 | 0.21% | 192.72 | 1.78% | 736.09 | 6.79% |
| 090 | 233.63 | 7.16% | 13.72 | 0.42% | 0.00 | 0.00% | 0.00 | 0.00% | 14.38 | 0.44% | 0.00 | 0.00% | 19.71 | 0.60% | 50.96 | 1.56% | 55.11 | 1.69% |
| 100 | 168.89 | 2.14% | 67.87 | 0.86% | 327.43 | 4.14% | 0.00 | 0.00% | 67.04 | 0.85% | 0.00 | 0.00% | 56.05 | 0.71% | 83.12 | 1.05% | 968.98 | 12.25% |
| 110 | 217.14 | 4.49% | 96.14 | 1.99% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 29.08 | 0.60% | 0.00 | 0.00% | 0.00 | 0.00% |
| North Branch Raritan River above Lamington (02030105060) | | | | | | | | | | | | | | | | | | |
| 010 | 12.04 | 0.28% | 220.54 | 5.15% | 0.00 | 0.00% | 0.00 | 0.00% | 5.25 | 0.12% | 0.00 | 0.00% | 0.00 | 0.00% | 38.59 | 0.90% | 206.37 | 4.82% |
| 020 | 15.08 | 0.35% | 100.09 | 2.35% | 0.00 | 0.00% | 0.00 | 0.00% | 5.14 | 0.12% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 252.87 | 5.94% |
| 030 | 340.72 | 6.96% | 40.42 | 0.83% | 0.00 | 0.00% | 0.00 | 0.00% | 49.42 | 1.01% | 0.00 | 0.00% | 35.07 | 0.72% | 295.74 | 6.04% | 233.30 | 4.76% |
| 040 | 417.97 | 8.70% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 549.36 | 11.43% | 0.00 | 0.00% | 112.65 | 2.34% | 126.30 | 2.63% | 649.74 | 13.52% |
| 050 | 98.44 | 2.33% | 105.12 | 2.49% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 46.80 | 1.11% | 143.13 | 3.39% | 405.71 | 9.60% |
| 060 | 212.82 | 6.55% | 9.37 | 0.29% | 0.00 | 0.00% | 0.00 | 0.00% | 1.33 | 0.04% | 0.00 | 0.00% | 390.91 | 12.04% | 246.89 | 7.60% | 214.54 | 6.61% |
| 070 | 358.71 | 6.67% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 465.60 | 8.66% | 0.00 | 0.00% | 466.57 | 8.67% | 0.00 | 0.00% | 969.92 | 18.03% |
| 080 | 145.50 | 3.40% | 29.68 | 0.69% | 0.00 | 0.00% | 0.00 | 0.00% | 180.33 | 4.21% | 0.00 | 0.00% | 159.68 | 3.73% | 0.88 | 0.02% | 0.00 | 0.00% |
| 090 | 0.00 | 0.00% | 224.44 | 4.04% | 0.00 | 0.00% | 0.00 | 0.00% | 33.74 | 0.61% | 0.00 | 0.00% | 142.71 | 2.57% | 0.00 | 0.00% | 725.88 | 13.05% |
| North Branch Raritan River - South Branch to Lamington (02030105070) | | | | | | | | | | | | | | | | | | |
| 010 | 0.00 | 0.00% | 161.54 | 2.71% | 0.00 | 0.00% | 0.00 | 0.00% | 64.13 | 1.07% | 0.00 | 0.00% | 40.86 | 0.68% | 0.00 | 0.00% | 703.24 | 11.79% |
| 020 | 37.98 | 0.58% | 63.60 | 0.97% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 216.61 | 3.29% | 0.00 | 0.00% | 0.00 | 0.00% |
| 030 | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 159.99 | 4.21% | 0.00 | 0.00% | 0.00 | 0.00% |

Source: Upper Raritan Watershed Association, July 2001

| Table B-1 Suitability of Soils for Nonirrigated Agriculture in the Upper Raritan WMA (WMA 8) | | | | | | | | | | | | |
|---|--------------|---------|--------------|---------|--------------|---------|--------------|---------|--------------|---------|--------------|---------|
| | 7E | | 7W | | 7S | | 8E | | 8W | | 8S | |
| | Area (Acres) | Percent | Area (Acres) | Percent | Area (Acres) | Percent | Area (Acres) | Percent | Area (Acres) | Percent | Area (Acres) | Percent |
| South Branch Raritan River Above Spruce Run (02030105010) | | | | | | | | | | | | |
| 010 | 0.00 | 0.00% | 96.58 | 1.63% | 2,053.79 | 34.60% | 0.00 | 0.00% | 0.00 | 0.00% | 187.69 | 3.16% |
| 020 | 0.00 | 0.00% | 2.36 | 0.05% | 858.15 | 18.32% | 0.00 | 0.00% | 0.00 | 0.00% | 43.20 | 0.92% |
| 030 | 0.00 | 0.00% | 54.69 | 1.70% | 1,000.28 | 31.08% | 0.00 | 0.00% | 0.00 | 0.00% | 5.34 | 0.17% |
| 040 | 0.00 | 0.00% | 7.93 | 0.19% | 1,023.58 | 24.00% | 0.00 | 0.00% | 0.00 | 0.00% | 4.83 | 0.11% |
| 050 | 0.00 | 0.00% | 69.63 | 0.71% | 3,121.48 | 31.96% | 0.00 | 0.00% | 0.00 | 0.00% | 18.73 | 0.19% |
| 060 | 0.00 | 0.00% | 31.30 | 0.33% | 2,666.33 | 27.98% | 0.00 | 0.00% | 0.00 | 0.00% | 10.33 | 0.11% |
| 070 | 0.00 | 0.00% | 0.00 | 0.00% | 1,856.58 | 36.76% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% |
| 080 | 0.00 | 0.00% | 0.00 | 0.00% | 924.43 | 31.22% | 0.00 | 0.00% | 0.00 | 0.00% | 121.85 | 4.11% |
| South Branch Raritan River Three Bridges to Spruce Run (02030105020) | | | | | | | | | | | | |
| 010 | 0.00 | 0.00% | 0.00 | 0.00% | 1,730.64 | 22.00% | 0.00 | 0.00% | 0.00 | 0.00% | 5.26 | 0.07% |
| 020 | 0.00 | 0.00% | 0.00 | 0.00% | 762.87 | 37.09% | 0.00 | 0.00% | 0.00 | 0.00% | 43.91 | 2.13% |
| 030 | 360.27 | 3.83% | 0.00 | 0.00% | 1,527.07 | 16.22% | 0.00 | 0.00% | 0.00 | 0.00% | 61.37 | 0.65% |
| 040 | 5.60 | 0.07% | 0.00 | 0.00% | 1,438.30 | 18.42% | 0.00 | 0.00% | 0.00 | 0.00% | 217.04 | 2.78% |
| 050 | 2.64 | 0.06% | 0.00 | 0.00% | 592.89 | 13.36% | 0.00 | 0.00% | 0.00 | 0.00% | 45.88 | 1.03% |
| 060 | 11.74 | 0.13% | 0.00 | 0.00% | 344.04 | 3.78% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% |
| 070 | 216.97 | 4.12% | 0.00 | 0.00% | 157.73 | 3.00% | 0.00 | 0.00% | 0.00 | 0.00% | 37.98 | 0.72% |
| 080 | 59.71 | 1.26% | 0.00 | 0.00% | 512.26 | 10.85% | 0.00 | 0.00% | 0.00 | 0.00% | 129.06 | 2.73% |
| 090 | 4.87 | 0.07% | 0.00 | 0.00% | 1,254.25 | 17.38% | 0.00 | 0.00% | 0.00 | 0.00% | 85.68 | 1.19% |
| 100 | 0.00 | 0.00% | 0.00 | 0.00% | 862.91 | 6.58% | 0.00 | 0.00% | 0.00 | 0.00% | 0.83 | 0.01% |
| Neshanic River (02030105030) | | | | | | | | | | | | |
| 010 | 0.00 | 0.00% | 0.00 | 0.00% | 187.45 | 5.67% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% |
| 020 | 0.00 | 0.00% | 0.00 | 0.00% | 205.50 | 5.19% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% |
| 030 | 0.00 | 0.00% | 0.00 | 0.00% | 58.50 | 1.62% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% |
| 040 | 0.00 | 0.00% | 0.00 | 0.00% | 40.80 | 1.23% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% |
| 050 | 0.00 | 0.00% | 0.00 | 0.00% | 289.10 | 3.87% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% |
| 060 | 0.00 | 0.00% | 0.00 | 0.00% | 71.99 | 0.51% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% |
| South Branch Raritan River - North Branch to Three Bridges (02030105040) | | | | | | | | | | | | |
| 010 | 0.00 | 0.00% | 0.00 | 0.00% | 45.06 | 0.59% | 0.00 | 0.00% | 0.00 | 0.00% | 1.10 | 0.01% |
| 020 | 0.00 | 0.00% | 0.00 | 0.00% | 102.34 | 1.48% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% |
| 030 | 0.00 | 0.00% | 0.00 | 0.00% | 334.90 | 4.20% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% |
| 040 | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% |
| Lamington River (02030105050) | | | | | | | | | | | | |
| 010 | 0.00 | 0.00% | 85.13 | 2.12% | 941.17 | 23.45% | 0.00 | 0.00% | 0.00 | 0.00% | 634.27 | 15.80% |
| 020 | 0.00 | 0.00% | 909.29 | 12.87% | 1,487.68 | 21.06% | 0.00 | 0.00% | 0.00 | 0.00% | 234.94 | 3.33% |
| 030 | 0.00 | 0.00% | 180.16 | 4.69% | 627.63 | 16.33% | 0.00 | 0.00% | 0.00 | 0.00% | 5.91 | 0.15% |
| 040 | 0.00 | 0.00% | 3.68 | 0.06% | 1,390.21 | 24.38% | 0.00 | 0.00% | 0.00 | 0.00% | 46.28 | 0.81% |
| 050 | 11.23 | 0.36% | 3.06 | 0.10% | 291.00 | 9.24% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% |
| 060 | 0.32 | 0.01% | 0.00 | 0.00% | 563.02 | 14.12% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% |
| 070 | 173.46 | 1.94% | 0.00 | 0.00% | 509.43 | 5.69% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% |
| 080 | 0.00 | 0.00% | 0.00 | 0.00% | 3,012.92 | 27.79% | 0.00 | 0.00% | 0.00 | 0.00% | 25.42 | 0.23% |
| 090 | 0.00 | 0.00% | 0.00 | 0.00% | 73.80 | 2.26% | 0.00 | 0.00% | 0.00 | 0.00% | 1.61 | 0.05% |
| 100 | 0.00 | 0.00% | 0.00 | 0.00% | 771.95 | 9.76% | 0.00 | 0.00% | 0.00 | 0.00% | 77.03 | 0.97% |
| 110 | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% |
| North Branch Raritan River above Lamington (02030105060) | | | | | | | | | | | | |
| 010 | 0.00 | 0.00% | 0.00 | 0.00% | 1,700.71 | 39.73% | 0.00 | 0.00% | 0.00 | 0.00% | 35.53 | 0.83% |
| 020 | 0.00 | 0.00% | 0.00 | 0.00% | 1,779.09 | 41.82% | 0.00 | 0.00% | 0.00 | 0.00% | 13.20 | 0.31% |
| 030 | 61.51 | 1.26% | 0.00 | 0.00% | 941.77 | 19.23% | 0.00 | 0.00% | 0.00 | 0.00% | 7.48 | 0.15% |
| 040 | 0.00 | 0.00% | 0.00 | 0.00% | 536.96 | 11.18% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% |
| 050 | 51.09 | 1.21% | 0.00 | 0.00% | 1,081.87 | 25.59% | 0.00 | 0.00% | 0.00 | 0.00% | 5.35 | 0.13% |
| 060 | 36.22 | 1.12% | 0.00 | 0.00% | 113.66 | 3.50% | 0.00 | 0.00% | 0.00 | 0.00% | 10.25 | 0.32% |
| 070 | 0.00 | 0.00% | 0.00 | 0.00% | 109.20 | 2.03% | 0.00 | 0.00% | 0.00 | 0.00% | 68.51 | 1.27% |
| 080 | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% |
| 090 | 0.00 | 0.00% | 0.00 | 0.00% | 115.81 | 2.08% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% |
| North Branch Raritan River - South Branch to Lamington (02030105070) | | | | | | | | | | | | |
| 010 | 0.00 | 0.00% | 0.00 | 0.00% | 346.99 | 5.81% | 0.00 | 0.00% | 0.00 | 0.00% | 37.54 | 0.63% |
| 020 | 0.00 | 0.00% | 0.00 | 0.00% | 7.00 | 0.11% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% |
| 030 | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 0.00 | 0.00% | 10.00 | 0.26% |

Source: Upper Raritan Watershed Association, July 2001