

APPENDIX B. RESULTS OF WATER-SAMPLE ANALYSES PERFORMED IN THE FIELD

| Sample Number | ppb U Corr. Coef.* | pi/l (mode) | 7 1/2' N.C. Quad. | Elevation at Well Head (ft) | Well Depth (ft) | Elevation at Well Bottom (ft) |
|---------------|--------------------|-------------------|-------------------|-----------------------------|-----------------|-------------------------------|
| SA 1 | 29.74 | | White Hill | 363 (topo) | <200 | >+163 |
| i | 19.19 | 335 (3%) | do | do | est. 155 | +208 |
| 1a | 0.37 | 490 (3%) | do | 361 (topo) | 165 | +196 |
| 2 | 18.63 | 246 (10%) | Goldston | 360 (topo) | 130 | +230 |
| 3 | 1.03 | 330 (3%) | White Hill | 335 (topo) | 140 | +215 |
| 4 | 7.98 | Not Run See 4a | do | 345 (topo) | 182 | +163 |
| 4a | 1.84 | 313 (10%) | do | 345 (topo) | 128 | +217 |
| 5 | 1.12 | Not Run | do | 332 (topo) | 173 | +159 |
| 5a | 0.008 | 452 (10%) | do | 319 (topo) | 80 est. | +239 |
| 6 | 0.08 | 32 (10%) | do | 333 (topo) | 87 | +246 |
| 7 | 4.76 | 6 (10%) | Bear Creek | 324 (topo) | 114 | +210 |
| 8 | 2.16 | 188 (10%) | Goldston | 264 (topo) | | |

* A measure of the reliability of the ppb U determination by UA-3 Scintrex Uranium Analyzer. A correlation coefficient approaching 1.000 indicates a high level of accuracy.

APPENDIX B. RESULTS OF WATER-SAMPLE ANALYSES PERFORMED IN THE FIELD (Continued)

| Sample Number | ppb U Corr. Coef. | pl/l (mode) | 7 1/2' N.C. Quad. | Elevation at Well Head (ft) | Well Depth (ft) | Elevation at Well Bottom (ft) |
|---------------|-------------------------|----------------------------------|-------------------------|-----------------------------------|-----------------------|-------------------------------------|
| SA 9 | 0.10 | Not Run See 9a (Same well) | Goldston | 312 (topo) | 125 | +187 |
| 9a | 0.09 | 17 (10%) | do | do | do | do |
| 10 | 0.59 | 131 (10%) | do | 250 (topo) | >100 | <+150 |
| 11 | 0.80 | 80 (10%) | do | 295 (topo) | 65 | +230 |
| 12 | 5.05 | 555 (10%) | do | 338 (topo) | 140 | +198 |
| 13 | 15.49 | 274 (10%) | White Hill | 395 (topo) | 150 est. | +245 |
| 14 | 7.86 | 629 (3%) | Goldston | 365 (topo) | 175 | +190 |
| 15 | 0.18 | 432 (10%) | do | 305 (topo) | 160 est. | +145 |
| 16 | 0.01 | Not Run | do | 332 (topo) | 35 | +297 |
| 16a | 0.10 | 527 (10%) | do | 325 (topo) | 170 | +155 |
| 17 | 0.05 | 75 (10%) | do | 262 (topo) | 90 | +172 |
| 18 | 0.50 | 132 (10%) | do | 272 (topo) | 32 | +240 |

APPENDIX B. RESULTS OF WATER-SAMPLE ANALYSES PERFORMED IN THE FIELD (Continued)

| Sample Number | ppb U Corr. Coef. | µf/l (mode) | 7 1/2' N.C. Quad. | Elevation at Well Head (ft) | Well Depth (ft) | Elevation at Well Bottom (ft) |
|---------------|-------------------------|-------------|-------------------------|-----------------------------------|-----------------------|-------------------------------------|
| SA 19 | 1.38 | 406 (10%) | Colon | 275 (topo) | 135 | +140 |
| 20 | 1.11 | 367 (10%) | do | 275 (topo) | 120 | +155 |
| 21 | 0.07 | 85 (10%) | do | 295 (topo) | 382 | - 92 |
| 22 | 7.82 | 737 (10%) | do | 264 (topo) | 70 | +194 |
| 22a | 14.84 | 902 (10%) | do | 268 (topo) | 200 est. 204 | + 68 + 64 |
| 23 | 0.05 | 160 (10%) | do | 260 (topo) | 50 | +210 |
| 24 | 0.88 | 719 (10%) | do | 322 (topo) | 250 | + 72 |
| 25 | 0.02 | 108 (10%) | do | 294 (topo) | 160 | +134 |
| 26 | 0.27 | 75 (10%) | do | 282 (topo) | 96 | +186 |
| 27 | 0.12 | 856 (10%) | do | 332 (topo) | 65 | +267 |
| 28 | 0.006 | 181 (10%) | do | 310 (topo) | | |
| 29 | 0.47 | 381 (10%) | do | 280 (topo) | 125 | +155 |

APPENDIX B. RESULTS OF WATER-SAMPLE ANALYSES PERFORMED IN THE FIELD (Continued)

| Sample Number | ppb U Corr. Coef. | pi/l (mode) | 7 1/2' N.C. Quad. | Elevation at Well Head (ft) | Well Depth (ft) | Elevation at Well Bottom (ft) |
|-------------------|-------------------------|-------------|-------------------------|-----------------------------------|--------------------------|-------------------------------------|
| SA 29a | 2.17 | 189 (10%) | Colon | 309 (topo) | 360 | - 51 |
| 30 | 0.11 | 987 (10%) | do | 261 (topo) | 75 | +186 |
| 31 | 0.71 | 484 (10%) | Goldston | 311 (topo) | 185 est. (170-200 ft) | +126 |
| 32 | 2.48 | 754 (3%) | do | 336 (topo) | | |
| 32 (Resampled) | 4.47 | do | do | do | 140 | +196 |
| 33 | 0.03 | Not Run | do | | | |
| 33a | 1.41 | 314 (3%) | Goldston | 343 (topo) | 200 | +143 |
| 34 | 6.47 | 741 (3%) | White Hill | 350 (topo) | 140 | +210 |
| 35 | 11.22 | 255 (3%) | do | 326 (topo) | 82 | +244 |
| 35a | 18.82 | 444 (3%) | Goldston | 335 (topo) | 181 | +154 |
| 36 | 0.18 | Not Run | do | 320 (topo) | | |
| 36a | 0.59 | 440 (10%) | do | 328 (topo) | 200 | +128 |

APPENDIX B. RESULTS OF WATER-SAMPLE ANALYSES PERFORMED IN THE FIELD (Continued)

| Sample Number | ppb U Corr. Coef. | pl/l (mode) | 7 1/2' N.C. Quad. | Elevation at Well Head (ft) | Well Depth (ft) | Elevation at Well Bottom (ft) |
|------------------------------|-------------------------|-------------|-------------------------|-----------------------------------|-----------------------|-------------------------------------|
| SA 37 | 0.94 | Not Taken | White Hill | 342 (topo) | 90 | 252 |
| 37a | 4.43 | Not Taken | do | 332 (topo) | 100 | +232 |
| 38 | 16.44 | 98 (10%) | do | 357 (topo) | 180 | +177 |
| 39 | 0.56 | Not Taken | do | 400 (topo) | | |
| 39a | 0.71 | 389 (10%) | do | 381 (topo) | 175 | +206 |
| 40 | 0.06 | Not Taken | do | 382 (topo) | | |
| 40a | 18.27 | 119 (10%) | do | 390 (topo) | | |
| 41 | 2.12 | 566 (10%) | do | 368 (topo) | 185 | +183 |
| SA X | 4.38 | 138 (3%) | White Hill | 309 (topo) | 140 | +169 |
| 42 (Birdie Knoll) | 0.07 | 85 (10%) | Sanford | 462 (topo) | 296 | +166 |
| SA 43 (Palimino Motel) | 0.13 | 408 (10%) | do | 482 (topo) | 190 | +292 |

Colon Cross Structure APPENDIX B. RESULTS OF WATER-SAMPLE ANALYSES PERFORMED IN THE FIELD (Continued)

| Sample Number | ppb U Corr. Coef. | pi/l (mode) | 7 1/2' N.C. Quad. | Elevation at Well Head (ft) | Well Depth (ft) | Elevation at Well Bottom (ft) |
|---------------|-------------------------|-------------|-------------------------|-----------------------------------|-----------------------|-------------------------------------|
| CC 1 | 0.03 | Not Taken | Moncure | 213 (topo) | 105 | +108 |
| 2 | 0.74 | Not Taken | do | 203 (topo) | 150 est. | + 53 |
| 3 | 2.22 | do | do | 243 (topo) | 120 | +123 |
| 4 | 0.41 | do | do | 261 (topo) | | |
| 5 | 9.11 | do | Colon | 300 (topo) | | |
| 6 | 9.97 | do | do | 323 (topo) | 100 est. | +223 |
| 7 | 0.49 | do | do | 321 (topo) | | |
| 8 | 0.05 | do | Moncure | 271 (topo) | 100 est. | +171 |
| 9 | 0.21 | do | Colon | 325 (topo) | 140 | +165 |
| 10 | 0.009 | do | do | 270 (topo) | Spring 0 | +270 |
| 11 | 0.06 | do | do | 330 (topo) | Spring 0 | +330 |

APPENDIX B. RESULTS OF WATER-SAMPLE ANALYSES PERFORMED IN THE FIELD (Continued)

| Sample Number | ppb U Corr. Coef. | p1/l (mode) | 7 1/2' N.C. Quad. | Elevation at Well Head (ft) | Well Depth (ft) | Elevation at Well Bottom (ft) |
|---------------|-------------------------|-------------|-------------------------|-----------------------------------|--------------------------|-------------------------------------|
| CC 12 | 0.12 | Not Taken | Colon | 351 (topo) | 100 | 251 |
| 13 | 0.04 | do | do | 270 (topo) | Spring 0 | 270 |
| 14 | 0.21 | do | do | 235 (topo) | | |
| 15 | 0.01 | Not Taken | Moncure | 185 (topo) | 120 est. | + 65 |
| 16 | 0.028 | do | do | 265 (topo) | <50 | >+215 |
| DURHAM BASIN | | | | | | |
| DU 1 | 0.12 | | do | 241 (topo) | 35 | +206 |
| DU 2 | 0.74 | | do | 181 (do) | 110 | + 71 |
| 3 | 4.58 | 104 (10%) | do | 263 (do) | 600 | -337 |
| 4 | <0.01 | 132 (do) | do | 220 (do) | 39 | +181 |
| 5 | 0.33 | 32 (do) | do | 151 (do) | 25 (average of 25-30) | +136 |
| 6 | 115.55 | Not Run | do | 276 (do) | 86 | +190 |

APPENDIX B. RESULTS OF WATER-SAMPLE ANALYSES PERFORMED IN THE FIELD (Continued)

| Sample Number | ppb U Corr. Coef. | pi/l (mode) | 7 1/2' N.C. Quad. | Elevation at Well Head (ft) | Well Depth (ft) | Elevation at Well Bottom (ft) |
|---------------|-------------------------|-------------|-------------------------|-----------------------------------|-----------------------|-------------------------------------|
| DU 7 | 0.02 | 59 | Cokesbury | 330 (topo) | 100+ | +230 |
| 8 | 11.90 | 641 | do | 277 (do) | 117 | +160 |
| 9 | 14.44 | 97 | do | 277 (do) | | |
| 10 | 0.33 | Not Run | New Hill | 230 est. (do) | >200 | <+ 30 |
| 11 | 7.21 | 310 (10%) | Cokesbury | 264 (do) | >200 | <+ 64 |
| 12 | 46.27 | Not Run | do | 264 (do) | 325 | - 61 |
| 2nd Sample | 39.55 | 125 (10%) | do | do | do | do |
| DU 13 | 0.29 | Not Run | Cokesbury | 275 (topo) | 300 | - 25 |
| 14 | 1.56 | do | Moncure | 226 (topo) | UNK. | |
| 15 | <0.01 | 126 (10%) | do | 229 (topo) | 100 | +129 |
| 16 | 0.02 | Not Run | do | 219 (topo) | UNK. | |

APPENDIX B. RESULTS OF WATER-SAMPLE ANALYSES PERFORMED IN THE FIELD (Continued)

| Sample Number | ppb U Corr. Coef. | pi/l (mode) | 7 1/2' N.C. Quad. | Elevation at Well Head (ft) | Well Depth (ft) | Elevation at Well Bottom (ft) |
|---------------|-------------------------|-------------|-------------------------|-----------------------------------|-----------------------|-------------------------------------|
| DU 17 | 0.08 | Not Run | Moncure | 236 (topo) | 85 | +151 |
| 18 | 0.06 | 161 (10%) | do | 240 (do) | 145 | + 95 |
| 19 | 1.05 | Not Run | New Hope Dam | 215 (do) | UNK. | |
| 20 | 44.02 | 645 (10%) | do | 231 (do) | 90 | +141 |
| 21 | 31.00 | 1093 (do) | do | 242 (do) | >100 | <+142 |
| 22 | <0.059 | Not Run | do | 237 (do) | < 50 | >+187 |
| 23 | 0.84 | do | New Hill | 304 (do) | | |
| 24 | 1.05 | do | do | 301 (do) | | |
| 25 | 4.04 | do | do | 307 (do) | 130 | +177 |
| 26 | 0.84 | do | New Hope Dam | 223 (do) | 56 | +167 |
| 27 | 2.85 | do | do | 220 (do) | | |

APPENDIX B. RESULTS OF WATER-SAMPLE ANALYSES PERFORMED IN THE FIELD (Continued)

| Sample Number | ppb U Corr. Coef. | pi/l (mode) | 7 1/2' N.C. Quad. | Elevation at Well Head (ft) | Well Depth (ft) | Elevation at Well Bottom (ft) |
|---------------|-------------------------|-------------|-------------------------|-----------------------------------|-----------------------|-------------------------------------|
| DU 28 | 0.05 | Not Run | New Hope Dam | 269 (topo) | 120 | +149 |
| 29 | 0.06 | Not Run | do | 270 (do) | 176 | + 94 |
| 30 | 0.06 | do | do | 281 (do) | 125 | +156 |
| 31 | 0.08 | do | New Hill | 335 (do) | 75 | +260 |
| 32 | 0.32 | do | do | 291 (do) | UNK. | |
| 33 | 0.16 | do | do | 291 (do) | UNK. | |
| 34 | 1.47 | do | New Hope Dam | 270 (do) | 75 | +195 |
| 35 | 0.22 | do | do | 248 (do) | 70 | +228 |
| 36 | 1.84 | do | Farrington | 258 (do) | 120 | 138 |
| 37 | 0.17 | do | do | 288 (do) | UNK. | |
| 38 | 0.10 | do | do | 252 (do) | 45 est. | +207 |
| 39 | 2.33 | do | do | 275 (do) | >170 | <+105 |

APPENDIX B. RESULTS OF WATER-SAMPLE ANALYSES PERFORMED IN THE FIELD (Continued)

| Sample Number | ppb U Corr. Coef. | pi/l (mode) | 7 1/2' N.C. Quad. | Elevation at Well Head (ft) | Well Depth (ft) | Elevation at Well Bottom (ft) |
|---------------|-------------------------|-------------|-------------------------|-----------------------------------|-----------------------|-------------------------------------|
| DU 40 | 0.66 | Not Run | Farrington | 275 (topo) | | |
| 41 | 0.11 | do | New Hill | 313 (do) | 98 | +215 |
| 42 | 2.18 | do | do | 285 (do) | | |
| 43 | 0.30 | do | do | 294 (topo) | 35 | +259 |
| 44 | 5.32 | do | do | 287 (do) | 125 | +162 |
| 45 | 0.07 | do | do | 272 (do) | | |
| 46 | 14.56 | do | do | 289 (do) | | |
| 47 | 0.25 | do | do | 308 (do) | 220 | + 88 |
| 48 | 0.22 | do | do | 332 (do) | Unknown | |
| 49 | 2.77 | do | Apex | 382 (do) | 225 | +157 |
| 50 | 0.07 | do | do | 415 (do) | | |
| 51 | 9.61 | do | Cary | 393 (do) | | |

APPENDIX B. RESULTS OF WATER-SAMPLE ANALYSES PERFORMED IN THE FIELD (Continued)

| Sample Number | ppb U Corr. Coef. | pl/l (mode) | 7 1/2' N.C. Quad. | Elevation at Well Head (ft) | Well Depth (ft) | Elevation at Well Bottom (ft) |
|---------------|-------------------------|-------------|-------------------------|-----------------------------------|-----------------------|-------------------------------------|
| DU 52 | 2.32 | Not Run | Cary | 355 (topo) | 275 | + 80 |
| 53 | 0.65 | do | do | 438 (do) | | |
| 54 | 0.46 | do | do | 411 (do) | 165 | +246 |
| 55 | 2.83 | do | do | 389 (do) | | |
| 56 | 9.18 | do | Green Level | 310 (do) | 150 | +160 |
| 57 | 0.04 | do | do | 350 (do) | | |
| 58 | 0.61 | do | Southeast Durham | 390 | 110 | +280 |
| 59 | 6.32 | do | do | 405 | 125 | +280 |
| 59a | 13.33 | do | | | | |
| 60 | 0.63 | do | Southeast Durham | 386 | 150 | 236 |
| 61 | 0.15 | do | do | 382 | | |
| 62 | | do | do | 412 | | |
| 63 | 0.04 | do | do | 399 | 190 | +209 |

APPENDIX B. RESULTS OF WATER-SAMPLE ANALYSES PERFORMED IN THE FIELD (Continued)

| Sample Number | ppb U Corr. Coef. | pi/l (mode) | 7 1/2' N.C. Quad. | Elevation at Well Head (ft) | Well Depth (ft) | Elevation at Well Bottom (ft) |
|---------------|-------------------------|-------------|-------------------------|-----------------------------------|-----------------------|-------------------------------------|
| DU 64 | | Not Run | Cary do | 352 | Unknown | |
| 65 | 9.90 | do | do | 290 | 61 | +129 |
| 66 | 8.82 | do | do | 355 | >100 | <+255 |
| 67 | 8.52 | do | do | 391 | 500 | -109 |
| 68 | 15.83 | do | do | 350 | 150 | +200 |
| 69 | 1.78 | do | do | 350 | 200 | +150 |
| 70 | 105.16 | do | do | 342 | >100 | <+242 |
| 71 | 17.15 | do | do | 385 | Unknown | |
| 72 | 20.45 | do | Cary | 390 (topo) | Unknown | |
| 73 | 8.53 | do | Green Level | 308 (do) | Unknown | |
| 74 | 0.05 | do | Cary | 430 (do) | Unknown | |
| 75 | 5.10 | do | do | 434 (do) | Unknown | |
| 76 | 0.36 | do | Green Level | 340 (do) | | |
| 77 | 0.40 | do | do | 360 (do) | | |

APPENDIX B. RESULTS OF WATER-SAMPLE ANALYSES PERFORMED IN THE FIELD (Continued)

| Sample Number | ppb U Corr. Coef. | pi/l (mode) | 1/2' N.C. Quad. | Elevation at Well Head (ft) | Well Depth (ft) | Elevation at Well Bottom (ft) |
|---------------|-------------------------|-------------|-----------------------|-----------------------------------|-----------------------|-------------------------------------|
| DU 78 | 0.79 | Not Rup | Green Level | 360 (topo) | | |
| 79 | 0.34 | do | do | 325 (do) | 100 | +225 |
| 80 | 0.09 | do | New Hill | 304 (do) | 86 | +218 |
| 81 | 0.11 | do | Green Level | +380 | | |
| 82 | 0.38 | do | Green Level | +280 | | |
| 83 | 2.57 | do | Cary | +350 | 210 | +140 |
| 84 | 1.72 | do | do | +365 | 300 | + 65 |
| 85 | 0.23 | do | do | +450 | | |
| 86 | 0.07 | do | do | +455 | 96 | +349 |
| 87 | 0.07 | do | Apex | 425 | | |
| 88 | 0.72 | do | do | 410 | | |
| 89 | 0.04 | do | New Hill | 380 | 40 | +340 |
| 90 | 11.15 | do | do | 333 | 169 | +164 |
| 91 | 1.27 | do | do | 398 | 92 | +306 |

APPENDIX B. RESULTS OF WATER-SAMPLE ANALYSES PERFORMED IN THE FIELD (Continued)

| Sample Number | ppb U Corr. Coef. | pi/1 (mode) | 7 1/2' N.C. Quad. | Elevation at Well Head (ft) | Well Depth (ft) | Elevation at Well Bottom (ft) |
|---------------|-------------------------|-------------|-------------------------|-----------------------------------|-----------------------|-------------------------------------|
| DU 92 | 0.05 | Not Run | Apex | 465 | <50 | >+415 |
| 93 | 0.06 | do | New Hill | 372 | | |
| 94 | 0.36 | do | do | 325 | 150 | +175 |
| 95 | 1.70 | do | do | 348 | | |
| 96 | 22.64 | do | Green Level | 352 | | |
| 97 | 1.31 | do | do | 308 | | |
| 98 | 0.11 | do | do | 315 | | |
| 99 | 1.92 | do | do | 352 | 86 | +266 |
| 100 | 0.47 | do | do | 333 | | |
| 101 | 0.12 | do | do | 310 | | |
| 102 | 1.84 | do | Green Level | 300 | | |
| 103 | 2.42 | do | do | 280 | 225 | + 55 |
| 104 | 5.14 | do | do | 275 | | |
| 105 | 0.05 | do | do | 300 | | |
| 106 | 0.25 | do | do | 376 | | |

APPENDIX B. RESULTS OF WATER-SAMPLE ANALYSES PERFORMED IN THE FIELD (Continued)

| Sample Number | ppb U Corr. Coef. | pi/l (mode) | 7 1/2' N.C. Quad. | Elevation at Well Head (ft) | Well Depth (ft) | Elevation at Well Bottom (ft) |
|---------------|-------------------------|-------------|-------------------------|-----------------------------------|-----------------------|-------------------------------------|
| DU 107 | 0.08 | Not Run | Green Level | 258 | 35 est. | +323 |
| 108 | 0.004 | do | New Hill | 330 | | |
| 109 | 2.25 | do | do | 305 | | |
| 110 | 5.60 | do | do | 312 | | |
| 111 | 0.07 | do | Apex | 370 | | |
| 112 | 0.05 | do | do | 460 | | |
| 113 | 2.09 | do | New Hill | 300 | 165 | +135 |
| 114 | 0.47 | do | do | 343 | | |
| 115 | 10.84 | do | Apex | 345 | 100 | +245 |
| 116 | 0.16 | do | do | 365 | | |
| 117 | 2.53 | do | New Hill | 325 (topo) | 125 | +200 |
| 118 | 0.04 | do | Apex | 415 (do) | 15 | +400 |
| 119 | 16.08 | do | Moncure | 252 (do) | | |

APPENDIX B. RESULTS OF WATER-SAMPLE ANALYSES PERFORMED IN THE FIELD (Continued)

| Sample Number | ppb U Corr. Coef. | pi/l (mode) | 7 1/2' N.C. Quad. | Elevation at Well Head (ft) | Well Depth (ft) | Elevation at Well Bottom (ft) |
|---------------|-------------------------|-------------|-------------------------|-----------------------------------|-----------------------|-------------------------------------|
| DU 120 | 0.75 | Not Run | Moncure | 291 (topo) | | |
| 121 | 0.04 | do | Cokesbury | 310 (do) | | |
| 122 | 0.02 | do | Moncure | 208 (do) | 64 | +144 |
| FB 1 | 0.052 | 17 (10%) | Lobelia | 253 (topo) | 90 | +163 |
| 2 | 0.060 | 16 (do) | do | 270 (do) | >200 | <+ 70 |
| 3 | 0.216 | 55 (do) | Niagra | 394 (do) | 65 | +329 |
| 4 | 0.050 | 39 (do) | Nicholson Ck. | 332 (do) | 102 | +230 |
| 5 | 0.091 | 158 (do) | do | 298 est. (topo) | 58 | +230 |
| 6 | 0.045 | 319 (do) | Clifdale | 245 | 62 | +183 |
| 7 | 0.037 | 94 (do) | do | 382 | 600 | -218 |
| 8 | 0.039 | 47 (do) | Overhills | 410 (do) | 114 | +269 |
| 9 | 1.532 | 360 (do) | do | 242 (do) | 337 | - 95 |

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| Sample Number | ppb U Corr. Coef. | pi/l (mode) | 7 1/2' N.C. Quad. | Elevation at Well Head (ft) | Well Depth (ft) | Elevation at Well Bottom (ft) |
|---------------------|-------------------------|-------------|-------------------------|-----------------------------------|-----------------------|-------------------------------------|
| FB 10 | 0.530 | 51 (10%) | Manchester | 200 | 320 | -120 |
| 11 (River Water) | 0.0263 | 4 (do) | Overhills | 143 | Surface Water | 143 |
| LG 1 | | Overload | Bunnlevel | 162 (topo) | 350 | -188 |
| 2 | 0.029 | 237 (10%) | do | 252 | Unknown <40 est. | >+212 |
| 3 | 0.088 | 631 (do) | do | +191 | 35 | +156 |
| 4 | 0.030 | 569 (do) | do | +190 | 185 | + 5 |
| 5 | 0.771 | 499 (do) | do | +180 | Unknown | |
| 6 | 0.075 | 85 (do) | do | 171 (topo) | | |
| 7 | 0.029 | 720 (do) | do | 161 (do) | 175 | - 14 |
| 8 | 0.071 | 101 (do) | do | 155 | 100 | + 55 |
| 9 | 0.138 | 927 (do) | do | 156 (do) | >100 | <+ 56 |
| 10 | 0.070 | 211 (do) | do | 209 (do) | < 50 | >+159 |
| 11 | 0.538 | 290 (do) | do | 161 (do) | 225 | - 64 |

APPENDIX B. RESULTS OF WATER-SAMPLE ANALYSES PERFORMED IN THE FIELD (Continued)

| Sample Number | ppb U Corr. Coef. | pi/l (mode) | 7 1/2' N.C. Quad. | Elevation at Well Head (ft) | Well Depth (ft) | Elevation at Well Bottom (ft) |
|---------------|-------------------------|-----------------|-------------------------|-----------------------------------|-----------------------|-------------------------------------|
| LG 12 | 0.069 | 671 (10%) | Bunnlevel | 153 (topo) | 267 | -114 |
| 13 | 0.034 | 82 (do) | Erwin do | 111 (do) | < 50 | >+ 60 |
| 14 | 5.055 | Overload 10% | Bunnlevel | 159 (do) | 86 | + 73 |
| 15 | 6.821 | Overload 10% | dc | 162 (do) | 172 | - 10 |
| 16 | 0.032 | 2,729 (10%) | Bunnlevel | 222 (do) | 253 | - 31 |
| 17 | 0.080 | 189/200 (do) | do | 230 (do) | 56 | +174 |
| 18 | 0.082 | 935 (do) | do | 205 (do) | 198 | + 7 |
| 19 | 0.149 | 48 (do) | do | 182 (do) | 52 | +130 |
| 20 | 0.087 | 119 (do) | do | 220 (do) | 40 | +180 |
| 21 | 0.090 | 64 (do) | do | 210 (do) | 85 | +125 |
| 22 | 0.208 | 129 (do) | do | 170 (do) | 35 | +135 |

APPENDIX B. RESULTS OF WATER-SAMPLE ANALYSES PERFORMED IN THE FIELD (Continued)

| Sample Number | ppb U Corr. Coef. | pi/l (mode) | 7 1/2' N.C. Quad. | Elevation at Well Head (ft) | Well Depth (ft) | Elevation at Well Bottom (ft) |
|---------------|-------------------------|-------------|-------------------------|-----------------------------------|-----------------------|-------------------------------------|
| LG 23 | 0.282 | 37 (10%) | Bunnlevel | 165 (topo) | 125 | + 40 |
| 24 | 0.029 | 333 (do) | do | 171 (do) | 88 | + 83 |
| 25 | 0.210 | 22 (do) | do | 148 (do) | 21 | +127 |
| 26 | 0.125 | 192 (do) | do | 230 (do) | 232 | - 2 |
| 27 | 0.010 | 14 (do) | Erwin | 143 (do) | 22 | +121 |
| 28 | 0.045 | 38 (do) | Bunnlevel | 166 (do) | 17 | |
| 29 | 0.039 | 41 (do) | do | 161 (do) | 15-20 | +146-+141 |
| 30 | 0.067 | 10 (do) | do | 258 (do) | 72 | -186 |
| 31 | 0.086 | 160 (do) | Bunnlevel | 250 (do) | 280 | - 30 |
| 32 | 0.048 | 49 (do) | do | 235 (do) | 98 | +137 |
| LG X | 0.13 | 418 (do) | do | 201 (do) | 30 | +171 |
| LG Y | 0.12 | 541 (do) | do | 199 (do) | 60 | +139 |

APPENDIX B. RESULTS OF WATER-SAMPLE ANALYSES PERFORMED IN THE FIELD (Continued)

| Sample Number | ppb U Corr. Coef. | µl/l (mode) | 7 1/2' N.C. Quad. | Elevation at Well Head (ft) | Well Depth (ft) | Elevation at Well Bottom (ft) |
|-----------------------------|-------------------------|--------------|-------------------------|-----------------------------------|-----------------------|-------------------------------------|
| Resampled for repeatability | | | | | | |
| LG 1 | 0.29 | >50,000 (3%) | Bunnlevel | 162 (topo) | 350 | -188 |
| 14 | 6.31 | 12,730 (10%) | do | 159 (do) | 86 | + 73 |
| 15 | 7.73 | 5,000 (10%) | do | 162 (do) | 172 | - 10 |
| TM 1 | 0.106 | Not Run | Wade | 156 (do) | 35 | +121 |
| 2 | 0.049 | 47 (3%) | Erwin | 149 (do) | 30-40 | +119-109 |
| 3 | 0.071 | 18 (do) | Dunn | 200 (do) | 30 | +170 |
| 4 | 0.052 | 405/339 (do) | do | 241 (do) | 18 | +223 |
| 5 | 0.094 | 53 (10%) | Benson | 234 (do) | 100 | +134 |
| 6 | 0.042 | 33 (do) | Erwin | 244 (do) | Unknown | |
| 7 | 0.129 | 76 (do) | do | 189 (do) | >100 | <+ 89 |
| 8 | 0.049 | Not Taken | do | 201 (do) | | |

APPENDIX B. RESULTS OF WATER-SAMPLE ANALYSES PERFORMED IN THE FIELD (Continued)

| Sample Number | ppb U Corr. Coef. | µl/l (mode) | 7 1/2' N.C. Quad. | Elevation at Well Head (ft) | Well Depth (ft) | Elevation at Well Bottom (ft) |
|---------------|-------------------------|-------------|-------------------------|-----------------------------------|-----------------------|-------------------------------------|
| TM 9 | 0.052 | 289 (10%) | Lilington | | >150 | |
| 10 | 0.017 | 79 (do) | Erwin | 155 (topo) | Unknown | |
| 11 | 0.039 | 40 (do) | do | 112 (do) | 15-20 | +97-+92 |
| 12 | 0.039 | 127 (do) | Manchester | 270 | 450 | -180 |
| 13 | 0.607 | 878 (do) | Anderson Creek | | 250 | |
| 14 | 0.061 | 37 (do) | do | | | |
| 15 | 0.033 | 240 (do) | Olivia | 312 | 89 | +223 |
| 16 | 0.607 | 55 (10%) | Anderson | | 65 | |
| 17 | 0.050 | 242 (do) | Overhills | 200 (topo est.) | Unknown | |
| 18 | 0.043 | 32 (do) | Lobelia | 273 (topo) | > 50 | <+223 |
| 19 | 0.036 | 18 (do) | Niagra | 254 (do) | 22 | +232 |
| 20 | 0.044 | 15 (do) | do | 359 (do) | 220 | +139 |

APPENDIX B. RESULTS OF WATER-SAMPLE ANALYSES PERFORMED IN THE FIELD (Continued)

| Sample Number | ppb U Corr. Coef. | pi/l (mode) | 7 1/2' N.C. Quad. | Elevation at Well Head (ft) | Well Depth (ft) | Elevation at Well Bottom (ft) |
|---------------|-------------------------|-------------|-------------------------|-----------------------------------|-----------------------|-------------------------------------|
| TM 21 | 0 | 103 (10%) | Niagra | 256 (topo) | 78 | +178 |
| 22 | 0.009 | 277 (do) | Vass | 347 | 100 | +247 |
| 23 | 0.178 | 109 (do) | Murchinsontown | 343 | 40 | +303. |
| 24 | 0.092 | 100 (do) | do | 325 | 228 | + 97 |
| 25 | 0.042 | 15 (do) | Lobelie | 330 (do) | 12½ | +317½ |
| 26 | 0.217 | 344 (do) | Olivia | 252 (do) | >200 | <+ 52 |
| 27 | 0.251 | 1,526 (do) | Slocomb | 185 (do) | 167 | + 18 |
| 28 | 0.108 | 110 (do) | do | 172 (do) | 37 | +135 |
| 29 | 0.090 | 289 (do) | Bunnlevel | 165 (do) | 187 | - 22 |
| 30 | 0.040 | 34 (do) | Slocomb | 120 (do) | 22 | + 98 |
| 31 | 0.059 | <29 (10%) | Slocomb | 168 (topo) | 90 | + 78 |
| TM X | 0.04 | 31 (10%) | Pinebluff | 515 est. | 138 | +377 |

APPENDIX B. RESULTS OF WATER-SAMPLE ANALYSES PERFORMED IN THE FIELD (Continued)

| Sample Number | ppb U Corr. Coef. | µl/l (mode) | 7 1/2' N.C. Quad. | Elevation at Well Head (ft) | Well Depth (ft) | Elevation at Well Bottom (ft) |
|---------------|-------------------------|-------------|-------------------------|-----------------------------------|-----------------------|-------------------------------------|
| XYZ | 0.29 | 122 (10%) | Olivia | 364 | | |
| WWA | 0.11 | 20 (10%) | Southern Pines | 150 | | |
| WWB | 0.0002 | <16 (10%) | do | 45 | | |