

Local and Regional Water Supply Planning
Existing Water Source and Water Use Data Entry Template

Supporting Information for the
 Hampton Roads Regional Water Supply Plan:

| | |
|----------------------------------|--|
| Local or Regional Plan: | Local <input type="checkbox"/> Regional <input checked="" type="checkbox"/> |
| Political Locality(s): | Hampton Roads Peninsula - Gloucester County, Hampton, James City County, Newport News, Poquoson, Williamsburg, York County |
| Locality FIPS Code(s): | |
| Planning Area Population: | |
| River Basin(s): | |
| River Sub-basin(s): | |
| Contact Name: | |
| Title: | |
| Mailing Address: | |
| City and Zip Code: | |
| Phone: | |
| Fax: | |
| E-mail: | |

Information contained in the following tables is based on available data for 2007. Sources of information include permits and water use data from the Virginia Department of Environmental Quality, Virginia Department of Health, and local governments.

The following data entry spreadsheets will allow you to enter information regarding the existing water source (9 VAC 25-780-70) and existing water use (9 VAC 25-780-80) water supply planning criteria.



Office of Water Supply Planning
 629 East Main Street,
 P.O. Box 1105, Richmond, VA 23218
 URL: <http://www.deq.virginia.gov/watersupplyplanning/>

List all well information for community water systems using groundwater. Reference sources and note any assumptions regarding calculations. If unable to find data or data not applicable, note accordingly. If applicable, mark well locations on associated map.

COMMUNITY WATER SYSTEMS (MUNICIPAL & PRIVATE) USING GROUND WATER (9 VAC 25-780-70 B)

| PWSID | Water System Name | VDH Permitted System Capacity (gpd) | Calculated VDH Permitted System Capacity (MGD) | INDIVIDUAL WELL DATA: | | | | | | | | | | GROUNDWATER MANAGEMENT AREA WELLS | | Notes or Comments (This may include references to maps, data sources, data gaps, etc.) |
|--------------------------|---|-------------------------------------|--|--------------------------------|-------------------|---------------------|--|-------------------------|---|---|---|---|--|---------------------------------------|--|---|
| | | | | Well Name and ID # | Well Depth (feet) | Casing Depth (feet) | Screen Depth (Top & Bottom) or Water Zones | Well Diameter (inches) | Withdrawal Design Capacity: AVERAGE DAILY (gpd) | Withdrawal Design Capacity: AVERAGE DAILY (MGD) | Withdrawal Design Capacity: MAXIMUM DAILY (gpd) | Withdrawal Design Capacity: MAXIMUM DAILY (MGD) | DEQ Permitted Monthly Withdrawal (MGD) | DEQ Permitted Annual Withdrawal (MGD) | | |
| Gloucester County | | | | | | | | | | | | | | | | |
| 4073311 | Gloucester County WTP | 4,000,000.00 | 4.00 | RO well #1 | 1530 | 1510 | 1170-1510 | 14 | 1,700,000.00 | 1.70 | 7,000,000.00 | 7.00 | NA | NA | VDH permitted capacity based on groundwater and surface water sources. | |
| | | | | RO well #2 | 1574 | 1554 | 1281-1554 | 14 | 1,700,000.00 | 1.70 | 3,800,000.00 | 3.80 | | | | |
| 4073510 | Laurelwood Estates Trailer Park | 30,000.00 | 0.03 | Well #1 (abandoned) | 607 | 607 | 480-490, 590-600 | 2-4 | NA | 0.00 | NA | 0.00 | NA | NA | | |
| | | | | Well #2 | 619 | 607 | 484-494, 592-602 | 2-4 | 57,600.00 | 0.06 | 64,800.00 | 0.06 | NA | NA | | |
| | | | | Well #3 (not in service) | 670 | 650 | 490-500, 600-610, 650-670 | 4.5-8.5 | 66,240.00 | 0.07 | 69,120.00 | 0.07 | NA | NA | | |
| 4073735 | R&L Trailer Park | 6,300.00 | 0.01 | Well #1 | 109 | 103 | 103-109 | 2 | 8,640.00 | 0.01 | NI | 0.00 | NA | NA | | |
| | | | | Well #2 | 119 | 104 | 104-119 | 2-4 | 17,280.00 | 0.01 | NI | 0.00 | NA | NA | | |
| 4073800 | Waterview Mobile Home Park | 10,400.00 | 0.01 | Well #1 | 90 | 90 | 80-90 | 4 | 14,400.00 | 0.01 | 25,920.00 | 0.03 | NA | NA | | |
| | | | | Well #2 (not in service) | 83 | 83 | 63-83 | 4 | 17,280.00 | 0.02 | 27,360.00 | 0.03 | NA | NA | | |
| | | | | Well #3 | 88 | 88 | 68-88 | 4 | 18,720.00 | 0.02 | 18,720.00 | 0.02 | NA | NA | | |
| James City County | | | | | | | | | | | | | | | | |
| 3095490 (GW0043400) | CENTRAL SYSTEM-James City Service Authority | 8,284,100 | 8.28 | Owens-illinois W-1-1 #147-227 | 286 | 250 | 238-263 | 18, 8 | 205,453 | 0.21 | 288,000 | 0.29 | 11.86 | 8.83 | DEQ Withdrawal Permit for Stonehouse system was combined with the Central System in 2009. Permitted withdrawal amounts are based on combined permit. | |
| | | | | Owens-illinois W-1-2 #147-260 | 807 | 775 | 576 – 606 635 – 685 696 – 766 | 24, 13.894, 9.334 | 413,237 | 0.41 | 792,000 | 0.79 | | | | |
| | | | | Owens-illinois W-1-3 #147-280 | 305 | 255.5 | 230-255 | 6, 10 | 154,830 | 0.15 | 216,000 | 0.22 | | | | |
| | | | | Pottery W-4-3 #147-291 | 310 | 270 | 258-283 | 20, 10 | 401,601 | 0.40 | 648,000 | 0.65 | | | | |
| | | | | Ewell Hall W-5-2 #147-293 | 316 | 282 | 270-295 | 10 | 129,995 | 0.13 | 432,000 | 0.43 | | | | |
| | | | | Olde Towne Road W-6-2 #147-281 | 305 | 255 | 245-285 | 10 | 102,381 | 0.10 | 432,000 | 0.43 | | | | |
| | | | | Windsor Forest W-7 #147-057 | 302 | 255 | 255-277 | 6 | 22,579 | 0.02 | 288,000 | 0.29 | | | | |
| | | | | Lafayette HS W-8 #147-108 | 398 | 233 | 200 – 215 222 – 232 236 – 246 260 - 270 | 6 | 23,276 | 0.02 | 280,800 | 0.28 | | | | |
| | | | | Seasons Trace W-9 #147-109 | 402 | 237 | 225 – 260 264 - 274 | 8, 6 | 26,553 | 0.03 | 316,800 | 0.32 | | | | |

List all well information for community water systems using groundwater. Reference sources and note any assumptions regarding calculations. If unable to find data or data not applicable, note accordingly. If applicable, mark well locations on associated map.

COMMUNITY WATER SYSTEMS (MUNICIPAL & PRIVATE) USING GROUND WATER (9 VAC 25-780-70 B)

| PWSID | Water System Name | VDH Permitted System Capacity (gpd) | Calculated VDH Permitted System Capacity (MGD) | INDIVIDUAL WELL DATA: | | | | | | | | GROUNDWATER MANAGEMENT AREA WELLS | | Notes or Comments (This may include references to maps, data sources, data gaps, etc.) | |
|--------------------------------------|---|-------------------------------------|--|-----------------------------------|-------------------|---------------------|---|------------------------|---|---|---|---|--|---|---|
| | | | | Well Name and ID # | Well Depth (feet) | Casing Depth (feet) | Screen Depth (Top & Bottom) or Water Zones | Well Diameter (inches) | Withdrawal Design Capacity: AVERAGE DAILY (gpd) | Withdrawal Design Capacity: AVERAGE DAILY (MGD) | Withdrawal Design Capacity: MAXIMUM DAILY (gpd) | Withdrawal Design Capacity: MAXIMUM DAILY (MGD) | DEQ Permitted Monthly Withdrawal (MGD) | | DEQ Permitted Annual Withdrawal (MGD) |
| James City County (continued) | | | | | | | | | | | | | | | |
| 3095490 (GW0043400) | CENTRAL SYSTEM-James City Service Authority | | | Canterbury Hills W-22-3 #147-267 | 300 | 280 | 268-288 | 9.05, 8 | 236,387 | 0.24 | 576,000 | 0.58 | | | |
| | | | | Norge W-24-3 #147-266 | 300 | 274 | 262-287 | 7.848, 8 | 331,320 | 0.33 | 648,000 | 0.65 | | | |
| | | | | Ford's Colony W-33 #147-276 | 306 | 265 | 255-280 | 8 | 251,868 | 0.25 | 540,000 | 0.54 | | | |
| | | | | Kristiansand W-38-3 #147-262 | 836 | 818 | 575-596, 624-666 673-710, 721-737 744-796 | 13.894, 9.334 | 493,865 | 0.49 | 1,440,000 | 1.44 | | | |
| | | | | Kristiansand W-38-4 #147-271 | 300 | 259 | 247-272 | 8 | 291,503 | 0.29 | 576,000 | 0.58 | | | |
| | | | | Chichahomony Road W-40-1 #147-233 | 270 | 725 | 240-260 | 18, 8 | 58,008 | 0.06 | 216,000 | 0.22 | | | |
| | | | | Chichahomony Road W-40-2 #147-232 | 725 | 610 | 580 - 665 690 - 705 | 8 | 54,554 | 0.05 | 259,200 | 0.26 | | | |
| | | | | LP-1 #147-287 | 1277 | 1277 | 810-830, 845-860 865-880, 890-930 990-1040, 1050-1070 1080-1110, 1120-1140 1150-1160, 1165-1175 1180-1190, 1195-1215 11225 - 1250 | 17.4, 14 | 1,048,078 | 1.05 | 5,000,000 | 5.00 | | | |
| | | | | LP-2 #147-308 | 1226 | 1191 | 795-925, 985-1010 1020-1030, 1050-1065 1075-1115, 1125-1135 1150 - 1170 | 17.4, 14 | 185,923 | 0.19 | | 0.00 | | | Max Daily withdrawal design capacity totals 5 MGD for all the LP & MP Wells |
| | | | | LP-3 #147-304 | 1226 | 1195 | 808-898, 913-928 965-1005, 1020-1060 1080-1120, 1138-1148 1158 - 1173 | 17.4, 14 | 723,607 | 0.72 | | 0.00 | | | |
| | | | | MP-1 #147-294 | 753 | 747 | 420-440, 460-540 560-570, 580-630 700 - 725 | 17.4, 14 | 208,484 | 0.21 | | 0.00 | | | |
| | | | | MP-2 #147-302 | 765 | 523.5 | 450-475, 485-515 535-565, 585-630 690 - 740 | 17.4, 14 | 203,631 | 0.20 | | 0.00 | | | |

List all well information for community water systems using groundwater. Reference sources and note any assumptions regarding calculations. If unable to find data or data not applicable, note accordingly. If applicable, mark well locations on associated map.

COMMUNITY WATER SYSTEMS (MUNICIPAL & PRIVATE) USING GROUND WATER (9 VAC 25-780-70 B)

| PWSID | Water System Name | VDH Permitted System Capacity (gpd) | Calculated VDH Permitted System Capacity (MGD) | INDIVIDUAL WELL DATA: | | | | | | | | | GROUNDWATER MANAGEMENT AREA WELLS | | Notes or Comments (This may include references to maps, data sources, data gaps, etc.) |
|--------------------------------------|---|-------------------------------------|--|------------------------------------|-------------------|---------------------|--|------------------------|---|---|---|---|--|---------------------------------------|---|
| | | | | Well Name and ID # | Well Depth (feet) | Casing Depth (feet) | Screen Depth (Top & Bottom) or Water Zones | Well Diameter (inches) | Withdrawal Design Capacity: AVERAGE DAILY (gpd) | Withdrawal Design Capacity: AVERAGE DAILY (MGD) | Withdrawal Design Capacity: MAXIMUM DAILY (gpd) | Withdrawal Design Capacity: MAXIMUM DAILY (MGD) | DEQ Permitted Monthly Withdrawal (MGD) | DEQ Permitted Annual Withdrawal (MGD) | |
| James City County (continued) | | | | | | | | | | | | | | | |
| 3095805 (GW103000) | STONEHOUSE-James City Service Authority | 438,000.00 | 0.44 | Stonehouse W-25-1 #147-256 | 241 | 216 | 206-231 | 8 | 9,298 | 0.01 | 93,600 | 0.09 | NA | NA | DEQ Withdrawal Permit for Stonehouse system was combined with the Central System in 2009. |
| | | | | Stonehouse W-26-1 #147-250 | 780 | 766 | 404-442, 566-598, 673-683, 700-716, 722-734, 744-756 | 14, 10 | 76,231 | 0.08 | 835,200 | 0.84 | | | |
| | | | | Stonehouse W-26-2 #147-249 | 275 | 231 | 226-251 | 8 | 9,493 | 0.01 | 100,800 | 0.10 | | | |
| 3095317 (GW0031100) | GLENWOOD ACRES-James City Service Authority | 15,600 | 0.02 | Glenwood Acres W-30 #147-199 | 272 | 251 | 251-271 | 6 | 6,176 | 0.01 | 50,400 | 0.05 | 0.01 | 0.01 | |
| 3095528 (GW0045000) | KINGS VILLAGE-James City Service Authority | 83,845 | 0.08 | Kings Village W-31 #1 #147-228 | 250 | 220 | 220-250 | 6 | 5,375 | 0.01 | 43,200 | 0.04 | 0.02 | 0.01 | |
| | | | | Kings Village W-31 #2 #147-300 | 268 | NI | 225-250 | 8 | | | | | | | |
| 3095750 (GW0031000) | RACEFIELD-James City Service Authority | 43,200 | 0.04 | Racefield W-29-1 #147-245 | 228 | 208 | 208-228 | 6 | 4,946 | 0.00 | 97,920 | 0.10 | 0.03 | 0.02 | |
| | | | | Racefield W-29-2 #147-254 | 300 | 217 | 217-240 | 6 | 5,526 | 0.01 | 74,880 | 0.07 | | | |
| 3095760 (GW0043000) | RETREAT-James City Service Authority | 19,600 | 0.02 | Retreat W-37-1 #147-284 | 230 | 210 | 200-220 | 6 | 7,565 | 0.01 | 144,000 | 0.14 | 0.03 | 0.02 | |
| 3095858 (GW0031400) | WARE CREEK MANOR-James City Service Authority | 34,800 | 0.03 | Ware Creek Manor 1 W-36-1 #147-229 | 275 | 270 | 270-275 | 4 | 6,446 | 0.01 | 72,000 | 0.07 | 0.02 | 0.01 | |
| | | | | Ware Creek Manor 2 W-36-2 #147-230 | 280 | 280 | 275-280 | 4 | 5,975 | 0.01 | 72,000 | 0.07 | | | |
| 3095862 (GW0049400) | WEXFORD HILLS-James City Service Authority | 19,600 | 0.02 | Wexford W-28-1 #147-236 | 306 | 298 | 276-296 | 6 | 8,449 | 0.01 | 133,920 | 0.13 | 0.04 | 0.03 | |
| | | | | Wexford W-28-2 #147-290 | 315 | 300 | 275-305 | 8 | 9,182 | 0.01 | 115,200 | 0.12 | | | |
| (GW0031300) | UPPER COUNTY- James City Service Authority | 120,000 | 0.12 | Upper County Park W-35 #147-246 | 262 | 262 | 231-256 | 6 | 2,602 | 0.00 | 216,000 | 0.22 | NA | NA | Upper County System was eliminated in 2005. |
| 3095700 (GW0050700) | SHODON MOBILE ESTATES | 22,400 | 0.02 | 147-00248 | 283 | NA | 262-283 | 4 | NI | 0.00 | NI | 0.00 | 0.01 | 0.01 | |
| | | | | 147-00255 | 298 | NA | 275-298 | 4 | NI | 0.00 | NI | 0.00 | | | |
| 3095045 | BROOKS` DUPLEXES | 3,333 | 0.00 | NI | 463 | NA | 441-461 | 4 | NI | 0.00 | NI | 0.00 | NA | NA | |

| List all well information for community water systems using groundwater. Reference sources and note any assumptions regarding calculations. If unable to find data or data not applicable, note accordingly. If applicable, mark well locations on associated map. | | | | | | | | | | | | | | | |
|--|--|-------------------------------------|---|---------------------------------------|-------------------|---------------------|--|------------------------|---|---|---|---|--|---------------------------------------|---|
| COMMUNITY WATER SYSTEMS (MUNICIPAL & PRIVATE) USING GROUND WATER (9 VAC 25-780-70 B) | | | | | | | | | | | | | | | |
| PWSID | Water System Name | VDH Permitted System Capacity (gpd) | Calculated VDH Permitted System Capacity (MGD) | INDIVIDUAL WELL DATA: | | | | | | | | | GROUNDWATER MANAGEMENT AREA WELLS | | Notes or Comments (This may include references to maps, data sources, data gaps, etc.) |
| | | | | Well Name and ID # | Well Depth (feet) | Casing Depth (feet) | Screen Depth (Top & Bottom) or Water Zones | Well Diameter (inches) | Withdrawal Design Capacity: AVERAGE DAILY (gpd) | Withdrawal Design Capacity: AVERAGE DAILY (MGD) | Withdrawal Design Capacity: MAXIMUM DAILY (gpd) | Withdrawal Design Capacity: MAXIMUM DAILY (MGD) | DEQ Permitted Monthly Withdrawal (MGD) | DEQ Permitted Annual Withdrawal (MGD) | |
| James City County (continued) | | | | | | | | | | | | | | | |
| 3095320 | GREENSPRINGS MOBILE VILLAGE | 34,400 | 0.03 | 2 wells | NI | NI | NI | NI | NI | 0.00 | NI | 0.00 | NA | NA | |
| 3095590 | HEATHS MOBILE HOMES | 15,000 | 0.02 | NI | 290 | NA | NI | NI | NI | 0.00 | NI | 0.00 | NA | NA | |
| Newport News | | | | | | | | | | | | | | | |
| 3700500 (GW0030200) | City of Newport News Waterworks | 5,700,000 | 5.70 | BGD Well #1 216-35 | 580 | 580 | 525-575, 575-580 | 14x17 | 490,000 | 0.49 | NI | 0.00 | 7.23 | 7.00 | Information provided by Newport News Waterworks. |
| | | | | BGD Well#1B 216-40 | 1,142 | 1,131 | 1017-1126, 1126-1131 | 14x17 | 1,130,000 | 1.13 | NI | 0.00 | | | |
| | | | | BGD Well#2 216-36 | 600 | 600 | 509-550, 575-595, 595-600 | 14x17 | 490,000 | 0.49 | NI | 0.00 | | | |
| | | | | BGD Well #2B 216-41 | 1,115 | 1,115 | 660-721, 770-801, 936-951, 986-1001, 1025-1055, 1090-1111, 1111-1115 | 14x17 | 1,130,000 | 1.13 | NI | 0.00 | | | |
| | | | | BGD Well #3 216-37 | 600 | 600 | 505-530, 555-595 | 14 | 490,000 | 0.49 | NI | 0.00 | | | |
| BGD Well #3B 216-42 | 1,164 | 1,164 | 662-712, 780-795, 816-916, 996-1016, 1043-1073, 1124-1154 | 16 | 1,130,000 | 1.13 | NI | 0.00 | | | | | | | |
| Williamsburg | | | | | | | | | | | | | | | |
| 3830850 (GW0037700) | City of Williamsburg | 650,000 | 0.65 | City of Williamsburg #1 199-00037 | 505 | 500 | 260-280, 420-430, 460-500 | 10 | 650,000 | 0.65 | 790,000 | 0.79 | 0.72 | 0.71 | VDH System Capacity permit for the Williamsburg system is 6.15 MGD. The groundwater system accounts for 0.65 MGD. DEQ has indicated that it will be requiring the City to close off the upper screen. |
| York County | | | | | | | | | | | | | | | |
| 3199380 (GW0030100) | Newport News Waterworks Lightfoot System | 480,000 | 0.48 | Lightfoot 1 199-00088 | 318 | NA | 280-305 | 8 | 296,800 | 0.30 | NI | 0.00 | 0.85 | 0.56 | System was previously owned by York County. |
| | | | | Lightfoot 2 199-00089 | 310 | NA | 264-294 | 8 | | 0.00 | NI | 0.00 | | | |
| | | | | Banbury 3 199-00095 | 283 | NA | 215-265 | 4 | 120,000 | 0.12 | NI | 0.00 | 0.10 | 0.07 | The Skimno Hills/ Banbury Cross system (PWSID #3199730, GW0030600) has been combined with Lightfoot. |
| | | | | Road 1 (Replaced Skimino 1) 199-00108 | 285 | NA | 271-296 | 4 | | 0.00 | NI | 0.00 | | | |
| Existing Source Totals - for all CWS's using wells (MGD) | | | 6.83 | | | | | | 5.92680 | | 0.79 | 8.91 | 8.34 | | |

| List reservoir information for all community water systems using surface water reservoirs. Reference sources and note any assumptions regarding calculations. If unable to find data or data not applicable, note accordingly. If applicable, mark reservoirs and intakes on associated map. | | | | | | | | | | | | | | | | | |
|---|--|---|--------------------------------------|--|--|---|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--|--|----------------------------|-------------------------------------|-------------------------------------|----------------------------------|---|
| COMMUNITY WATER SYSTEMS (MUNICIPAL & PRIVATE) USING SURFACE WATER RESERVOIRS (9 VAC 25-780-70 C) | | | | | | | | | | | | | | | | | |
| Is your water system comprised of interconnected reservoirs? | | <input checked="" type="checkbox"/> Yes | | <input type="checkbox"/> No | | | | | | | | | | | | | |
| If YES, designate which reservoirs and which intakes constitute a system. Report the drainage area and amount of storage available for water supply from each reservoir independently. Designed maximum daily withdrawal and the safe yield may be reported for the entire system or subsets of the system. | | | | | | | | | | | | | | | | | |
| PWSID # | Water System Name | Reservoir Name | Reservoir watershed Basin/ Sub-basin | Reservoir watershed Drainage Area (square miles) | On-Stream Storage Available for Water Supply (gallons) | On-Stream Storage Available for Water Supply (MG) | DESIGN CAPACITY: | | | | | | Reservoir Safe Yield (MGD) | VDH Permitted System Capacity (gpd) | VDH Permitted System Capacity (MGD) | Limitations on Withdrawal Permit | Notes or Comments (This may include references to maps, data sources, data gaps, etc.) |
| | | | | | | | Average Daily Withdrawal (gpd) | Average Daily Withdrawal (MGD) | Maximum Daily Withdrawal (gpd) | Maximum Daily Withdrawal (MGD) | Associated Water Treatment Plant (gpd) | Associated Water Treatment Plant (MGD) | | | | | |
| Gloucester County | | | | | | | | | | | | | | | | | |
| 4073311 | Gloucester County WTP | Beaverdam Reservoir | Beaverdam Swamp | 24.00 | 5,000,000 | 5.00 | 1,500,000 | 1.50 | 4,000,000 | 4.00 | 4,000,000 | 4.00 | 2.00 | 4,000,000 | 4.00 | | VDH permitted capacity based on groundwater and surface water sources. |
| Hampton | | | | | | | | | | | | | | | | | |
| 3650150 | Fort Monroe | NA | | NA | | - | | 0.00 | | 0.00 | | 0.00 | | | 0.00 | | Fort Monroe, Air Force Family Housing, and Langley Air Force Base are consecutive water systems that purchase water from Newport News. |
| 3199100 | Balford Langley Bolling Family Housing | NA | | NA | | | | 0.00 | | 0.00 | | 0.00 | | | 0.00 | | |
| 3650350 | Langley Air Force Base | NA | | NA | | - | | 0.00 | | 0.00 | | 0.00 | | | 0.00 | | |
| Newport News | | | | | | | | | | | | | | | | | |
| 3700500 | City of Newport News Waterworks | Lee Hall Reservoir | Warwick River | 14.6 | 880,000,000 | 880.00 | NA | | 60,000,000 | 60.00 | 59,700,000 | 59.70 | 54.8 | 62,800,000 | 62.80 | none | The VDH permit for the entire system (62.8 MGD) also includes the brackish groundwater system and stream intake. |
| | | Diascund Reservoir | Diascund Creek | 44.6 | 3,490,000,000 | 3490.00 | NA | | 35,000,000 | 35.00 | NA | 0.00 | | | | none | On-Stream Storage Available for Water Supply is the total volume of reservoir storage. |
| | | Harwood's Mill Reservoir | Poquoson River | 8.6 | 850,000,000 | 850.00 | NA | | 60,000,000 | 60.00 | 31,100,000 | 31.10 | | | | none | Average Daily Capacity is not relevant as pumping stations are designed to meet max capacity. |
| | | Little Creek Reservoir | Yarmouth Creek | 4.6 | 7,480,000,000 | 7480.00 | NA | | 40,000,000 | 40.00 | NA | 0.00 | | | | none | Water Treatment Capacity is based on VDH criteria (largest process unit being out of service). |
| | | Skiff's Creek Reservoir | Skiffe's Creek | 6.25 | 230,000,000 | 230.00 | NA | | 3,000,000 | 3.00 | NA | 0.00 | | | | none | Reservoir safe yield based on CDM study (2000). |
| Williamsburg | | | | | | | | | | | | | | | | | |
| 3830850 | City of Williamsburg | Waller Mill Reservoir | York River | 6.96 | 1,500,000,000 | 1500.00 | 7,000,000 | 7.00 | 7,000,000 | 7.00 | 7,000,000 | 7.00 | 2.67 | 6,150,000 | 6.15 | | VDH system capacity is based on the reservoir, groundwater withdrawals, and water purchased from Newport News (2 MGD). Reservoir safe yield is based on CDM study (2007). |



List reservoir information for all community water systems using surface water reservoirs. Reference sources and note any assumptions regarding calculations. If unable to find data or data not applicable, note accordingly. If applicable, mark reservoirs and intakes on associated map.

COMMUNITY WATER SYSTEMS (MUNICIPAL & PRIVATE) USING SURFACE WATER RESERVOIRS (9 VAC 25-780-70 C)

Is your water system comprised of interconnected reservoirs? Yes No

If YES, designate which reservoirs and which intakes constitute a system. Report the drainage area and amount of storage available for water supply from each reservoir independently. Designed maximum daily withdrawal and the safe yield may be reported for the entire system or subsets of the system.

| PWSID # | Water System Name | Reservoir Name | Reservoir watershed Basin/ Sub-basin | Reservoir watershed Drainage Area (square miles) | On-Stream Storage Available for Water Supply (gallons) | On-Stream Storage Available for Water Supply (MG) | DESIGN CAPACITY: | | | | | | Reservoir Safe Yield (MGD) | VDH Permitted System Capacity (gpd) | VDH Permitted System Capacity (MGD) | Limitations on Withdrawal Permit | Notes or Comments (This may include references to maps, data sources, data gaps, etc.) | | |
|--|--|----------------|--------------------------------------|--|--|---|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--|--|----------------------------|-------------------------------------|-------------------------------------|----------------------------------|---|--|--|
| | | | | | | | Average Daily Withdrawal (gpd) | Average Daily Withdrawal (MGD) | Maximum Daily Withdrawal (gpd) | Maximum Daily Withdrawal (MGD) | Associated Water Treatment Plant (gpd) | Associated Water Treatment Plant (MGD) | | | | | | | |
| York County | | | | | | | | | | | | | | | | | | | |
| 3199200 | Carver Gardens - Aqua Virginia | NA | | NA | | - | | 0.00 | | 0.00 | | 0.00 | | | 0.00 | | | Newport News sells water to York County who sells it to Aqua Virginia. | |
| 3199510 | Nelson Park - Aqua Virginia | NA | | NA | | - | | 0.00 | | 0.00 | | 0.00 | | | 0.00 | | | | |
| 3199995 | York Terrace - Aqua Virginia | NA | | NA | | - | | 0.00 | | 0.00 | | 0.00 | | | 0.00 | | | | |
| 3199700 | Queens Lake - Aqua Virginia | NA | | NA | | - | | 0.00 | | 0.00 | | 0.00 | | | 0.00 | | | | City of Williamsburg sells water to York County who sells it to Aqua Virginia. |
| 3199990 | York Public Utilities - Mountain Lake Co | NA | | NA | | - | | 0.00 | | 0.00 | | 0.00 | | | 0.00 | | | | Newport News sells water to York County who sells it to Mountain Lake. |
| 3199320 | Hubbards Lane - York Co | NA | | NA | | - | | 0.00 | | 0.00 | | 0.00 | | | 0.00 | | | | Williamsburg sells water to York County to serve a portion of Hubbards Lane and Newport News provides direct retail service to a small portion of Hubbards Lane. |
| 3700100 | Fort Eustis | NA | | NA | | - | | 0.00 | | 0.00 | | 0.00 | | | 0.00 | | | Fort Eustis, Cheatham Annex, and Yorktown Naval Weapons Station are consecutive water systems that purchase water from Newport News. | |
| 3199210 | Cheatham Annex Naval Supply Center | NA | | NA | | - | | 0.00 | | 0.00 | | 0.00 | | | 0.00 | | | | |
| 3199500 | Yorktown Naval Weapons Station | NA | | NA | | - | | 0.00 | | 0.00 | | 0.00 | | | 0.00 | | | | |
| | | | | | | - | | 0.00 | | 0.00 | | 0.00 | | | 0.00 | | | | |
| | | | | | | - | | 0.00 | | 0.00 | | 0.00 | | | 0.00 | | | | |
| Existing Source Totals - for all CWS's using surface water reservoirs (MG or MGD) | | | | | | | 14,430 | 7.00 | | 205.00 | | 97.80 | | | 68.95 | | | | |



Source Water Assessments and Wellhead Protection
Hampton Roads Peninsula

Office of Water Supply Planning
629 East Main Street,
P.O. Box 1105, Richmond, VA 23218
URL: <http://www.deq.virginia.gov/watersupplyplanning/>

Note findings and recommendations from source water assessment plans and/or wellhead protection programs. Reference sources and note any assumptions. If unable to find data or data not applicable, note accordingly. If applicable, mark program/plan areas on associated map.

**FINDINGS AND RECOMMENDATIONS FROM APPLICABLE SOURCE WATER ASSESSMENT PLANS OR WELLHEAD PROTECTION PROGRAMS
(9 VAC 25-780-70K)**

| Locality Name | Source Water Assessment Plan(s): | | Wellhead Protection Program(s): | |
|-------------------|----------------------------------|---|---------------------------------|---|
| | Date of Plan | Summary of Findings and Recommendations | Date of Program | Summary of Findings and Recommendations |
| Gloucester County | 8/1/2002 | <p>A detailed source water assessment was conducted in 2001 by the Hampton Roads Planning District Commission. The Beaverdam Reservoir and Gloucester County's Radial Well were determined to have a high susceptibility to contamination. Gloucester County's Production Well #1 was determined to have a low susceptibility to contamination. The SWAP report contains maps showing the source water assessment areas, and inventory of known land use activities of concern, and documentation of any known contamination.</p> <p>The Health Department assessed the wells serving the Laurelwood Estates Trailer Park and determined that Well #2 had a low susceptibility to contamination. VDH did not report the susceptibility of Well #3.</p> <p>The Health Department assessed the wells serving the R&L Trailer Park and determined that Well #1 had a high susceptibility to contamination and Well #2 had a low susceptibility.</p> <p>The Health Department assessed the wells serving the Waterview Mobile Home Park and determined that Well #1 and #3 had a low susceptibility to contamination.</p> | NA | A separate wellhead protection program has not be established. |
| James City County | NA | <p>The wells in the Brooks' Duplexes, Greensprings Mobile Village, Heaths Mobile Homes, and Shodon Mobile Estates systems were determined to have a high susceptibility of contamination by the Health Department.</p> <p>The Health Department identified the following wells in the JCSA Central System as high susceptibility: Centerbury Hills, Chickahominy Road (2 wells), Olde Town Road, Owens/Illinois (2 wells), and Pottery Factory.</p> <p>The Health Department identified the following wells in the JCSA Central System as low susceptibility: Ford's Colony, Kristiansand (2 wells), Lafayette High School, Norge, Seasons Trace, and Windsor Forrest.</p> <p>The Health Department identified all of the wells in the JCSA Kings Village, Retreat, Ware Creek systems and one well in the Stonehouse System as high susceptibility. Two wells in the Stonehouse System and all of the Racefield System were identified as low susceptibility. The Health Department did not report the susceptibility of other community wells in the County.</p> | 2000 | James City County has a wellhead protection program called CAP IT. Every year, wells in James City County are abandoned when they are replaced by new wells or when homes are connected to the James City Service Authority (JCSA). To protect our groundwater, local rivers and the Chesapeake Bay, Virginia law requires that private wells no longer in use be properly abandoned, which means that a licensed well driller permanently seals or "caps" the well. Cap It is a "Let's be Water Smart" program. "Let's be Water Smart" is a public/private water management initiative of the James City Service Authority. The goal of Let's be Water Smart is to promote responsible water usage in James City County, Virginia. |



Source Water Assessments and Wellhead Protection
Hampton Roads Peninsula

Office of Water Supply Planning
 629 East Main Street,
 P.O. Box 1105, Richmond, VA 23218
 URL: <http://www.deq.virginia.gov/watersupplyplanning/>

Note findings and recommendations from source water assessment plans and/or wellhead protection programs. Reference sources and note any assumptions. If unable to find data or data not applicable, note accordingly. If applicable, mark program/plan areas on associated map.

FINDINGS AND RECOMMENDATIONS FROM APPLICABLE SOURCE WATER ASSESSMENT PLANS OR WELLHEAD PROTECTION PROGRAMS
(9 VAC 25-780-70K)

| Locality Name | Source Water Assessment Plan(s): | | Wellhead Protection Program(s): | |
|-------------------------|----------------------------------|--|---------------------------------|---|
| | Date of Plan | Summary of Findings and Recommendations | Date of Program | Summary of Findings and Recommendations |
| Newport News Waterworks | 2001 | A detailed source water assessment was conducted in 2001 by the Hampton Roads Planning District Commission. The Chickahominy River and Newport News reservoir system were determined to have a high susceptibility to contamination. All of the groundwater wells were determined to have a low susceptibility to contamination. The SWAP report contains maps showing the source water assessment areas, and inventory of known land use activities of concern, and documentation of any known contamination. | NA | A wellhead protection program has not be established. |
| City of Williamsburg | 2001 | A detailed source water assessment was conducted in 2001 by the Hampton Roads Planning District Commission. The Wallers Mill Reservoir was determined to have a high susceptibility to contamination. The groundwater well was determined to have a low susceptibility to contamination. The SWAP report contains maps showing the source water assessment areas, and inventory of known land use activities of concern, and documentation of any known contamination. | NA | A wellhead protection program has not be established. |
| York County | NA | VDH determined that Well #5 in the Lightfoot system has a very low susceptibility to contamination. None of the other wells in the County have been assessed. The other CWSs in the county purchase water from Newport News and Williamsburg. | NA | A wellhead protection program has not be established. |



Community Water Systems: Withdrawal Information
Hampton Roads Peninsula

Office of Water Supply Planning
 629 East Main Street,
 P.O. Box 1105, Richmond, VA 23218
 URL: <http://www.deq.virginia.gov/watersupplyplanning/>

Include the following water use information for each community water system within the planning area. Reference sources and note any assumptions regarding calculations. If unable to find data or data not applicable, note accordingly. If applicable, mark service areas on associated map. **Note the data reference year in Row 3 and fill out a separate spreadsheet for each data year.**

COMMUNITY WATER SYSTEMS USING GROUND AND SURFACE WATER: water withdrawal information (9 VAC 25-780-80 B1-B3)

| YEAR: 2007 | | | | | WITHDRAWAL: | | Notes or Comments (This may include references to maps, data sources, data gaps, etc.) |
|--------------------------|---|-------------|-------------------|-----------------------|---------------------|---------------------|--|
| PWSID | Water System Name | Source Name | Population Served | Number of Connections | Average Daily (MGD) | Maximum Daily (MGD) | |
| Municipal Systems | | | | | | | |
| Gloucester County | | | | | | | |
| 4073311 | Gloucester County WTP | GW / SW | 12,700 | 5,740 | 1.38 | 3.17 | Withdrawal data from DEQ database |
| Hampton | | | | | | | |
| 3650150 | Fort Monroe | SWP | NA | NA | NA | NA | Fort Monroe and Langley Air Force Base are included in the population served and withdrawal for Newport News Waterworks. |
| 3199100 | Balford Langley Bolling Family Housing | SWP | NA | NA | NA | NA | |
| 3650350 | Langley Air Force Base | SWP | NA | NA | NA | NA | |
| James City County | | | | | | | |
| 3095317 | GLENWOOD ACRES-James City Service Authority | GW | 82 | 33 | 0.006 | 0.011 | Population Served from data submitted by JCSA as part of data call for 2000-08 use. |
| 3095490 | CENTRAL SYSTEM-James City Service Authority | GW | 44,937 | 18,193 | 5.820 | 10.998 | |
| 3095528 | KINGS VILLAGE-James City Service Authority | GW | 121 | 49 | 0.010 | 0.021 | |
| 3095750 | RACEFIELD-James City Service Authority | GW | 89 | 36 | 0.011 | 0.021 | |
| 3095760 | RETREAT-James City Service Authority | GW | 116 | 47 | 0.014 | 0.038 | |
| 3095858 | WARE CREEK MANOR-James City Service Authority | GW | 158 | 64 | 0.012 | 0.022 | |
| 3095862 | WEXFORD HILLS-James City Service Authority | GW | 333 | 135 | 0.028 | 0.053 | Upper County System was eliminated in 2005. |
| | UPPER COUNTY- James City Service Authority | GW | NA | NA | NA | NA | |



Community Water Systems: Withdrawal Information
Hampton Roads Peninsula

Office of Water Supply Planning
 629 East Main Street,
 P.O. Box 1105, Richmond, VA 23218
 URL: <http://www.deq.virginia.gov/watersupplyplanning/>

Include the following water use information for each community water system within the planning area. Reference sources and note any assumptions regarding calculations. If unable to find data or data not applicable, note accordingly. If applicable, mark service areas on associated map. **Note the data reference year in Row 3 and fill out a separate spreadsheet for each data year.**

| COMMUNITY WATER SYSTEMS USING GROUND AND SURFACE WATER: water withdrawal information (9 VAC 25-780-80 B1-B3) | | | | | | | |
|---|--|-------------|-------------------|-----------------------|---------------------|---------------------|--|
| YEAR: 2007 | | | | | WITHDRAWAL: | | Notes or Comments (This may include references to maps, data sources, data gaps, etc.) |
| PWSID | Water System Name | Source Name | Population Served | Number of Connections | Average Daily (MGD) | Maximum Daily (MGD) | |
| Newport News | | | | | | | |
| 3700500 | Newport News Waterworks | GW / SW | 410,000 | 128,000 | 51.63 | 67.39 | Population served and number of connections for 2007 is approximated. |
| 3700100 | Fort Eustis | SWP | NA | NA | NA | NA | Fort Eustis is included in the population served and withdrawal for Newport News Waterworks. |
| Williamsburg | | | | | | | |
| 3830850 | City of Williamsburg | GW / SW | 13,273 | 4,058 | 3.336 | 4.9 | |
| York County | | | | | | | |
| 3199380 | Lightfoot / Skimino Hills - Newport News Waterworks | GW | 366 | 794 | 0.328 | 0.460 | Average withdrawal from table 80 B9 CWS Use by Category; maximum withdrawal estimated with 1.4 multiplier. |
| 3199730 | Skimino Hills Banbury Cross Water System - Newport News Waterworks | GW | NA | NA | NA | NA | Combined with Lightfoot |
| 3199510 | Nelson Park - Aqua Virginia | SWP | NA | NA | NA | NA | These systems are already counted in Newport News Waterworks and Williamsburg municipal systems. |
| 3199995 | York Terrace - Aqua Virginia | SWP | NA | NA | NA | NA | |
| 3199700 | Queens Lake - Aqua Virginia | SWP | NA | NA | NA | NA | |
| 3199990 | York Public Utilities - Mountain Lake Co | SWP | NA | NA | NA | NA | |
| 3199320 | Hubbards Lane - York Co / Newport News | SWP | NA | NA | NA | NA | |
| 3199210 | Cheatham Annex Naval Supply Center | SWP | NA | NA | NA | NA | |
| 3199500 | Yorktown Naval Weapons Station | SWP | NA | NA | NA | NA | |
| Municipal Community Water System Totals: | | | 482,175 | 132,852 | 62.575 | | |



Community Water Systems: Withdrawal Information
Hampton Roads Peninsula

Office of Water Supply Planning
 629 East Main Street,
 P.O. Box 1105, Richmond, VA 23218
 URL: <http://www.deq.virginia.gov/watersupplyplanning/>

Include the following water use information for each community water system within the planning area. Reference sources and note any assumptions regarding calculations. If unable to find data or data not applicable, note accordingly. If applicable, mark service areas on associated map. **Note the data reference year in Row 3 and fill out a separate spreadsheet for each data year.**

| COMMUNITY WATER SYSTEMS USING GROUND AND SURFACE WATER: water withdrawal information (9 VAC 25-780-80 B1-B3) | | | | | | | |
|---|---------------------------------|-------------|-------------------|-----------------------|---------------------|---------------------|--|
| YEAR: 2007 | | | | | WITHDRAWAL: | | Notes or Comments (This may include references to maps, data sources, data gaps, etc.) |
| PWSID | Water System Name | Source Name | Population Served | Number of Connections | Average Daily (MGD) | Maximum Daily (MGD) | |
| Private Systems | | | | | | | |
| Gloucester County | | | | | | | |
| 4073510 | Laurelwood Estates Trailer Park | GW | 175 | 79 | 0.001 | NI | |
| 4073735 | R&L Trailer Park | GW | 45 | 16 | 0.004 | NI | |
| 4073800 | Waterview Mobile Home Park | GW | 80 | 43 | 0.008 | NI | |
| James City County | | | | | | | |
| 3095045 | Brooks' Duplexes | GW | 35 | 13 | 0.002 | 0.003 | |
| 3095320 | Greensprings Mobile Village | GW | 208 | 85 | 0.011 | 0.014 | |
| 3095590 | Heaths Mobile Homes | GW | 42 | 25 | 0.003 | 0.004 | 2008 data; 2007 not available |
| 3095700 | Shodon Mobile Estates | GW | 150 | 58 | 0.002 | NI | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Private Community Water System Totals: | | | 435 | 181 | 0.03 | | |
| Municipal and Private Community Water System Totals: | | | 482,610 | 133,033 | 62.61 | | |

Include the following water use information for each community water system within the planning area. Reference sources and note any assumptions regarding calculations. If unable to find data or data not applicable, note accordingly. If applicable, mark service areas on associated map.
Note the data reference year in Row 6 and fill out a separate spreadsheet for each data year.

| Community Water Systems Using Ground and Surface Water annual average and average monthly water use(9 VAC 25-780-80 B4) | | | | | | | | | | | | | | | | | | |
|---|---|-----------------------|-----------------------|--|-----------------------|-----------------------|---|-----------------------|-----------------------|---------------------------------------|-----------------------|-----------------------|---|-----------------------|-----------------------|--|-----------------------|-----------------------|
| YEAR | PWSID #3700500 Newport News Waterworks | | | PWSID #3830850 City of Williamsburg | | | PWSID #3199380 Lightfoot & Skimino Hills | | | PWSID #3095317 Glenwood Acres-JCSA | | | PWSID #3095490 Central System-JCSA | | | PWSID #3095528 Kings Village - JCSA | | |
| | Source GW/SW | | | Source GW/SW | | | Source GW | | | Source GW | | | Source GW | | | Source GW | | |
| | Monthly Readings (gallons) | Monthly Readings (MG) | Average Monthly (MGD) | Monthly Readings (gallons) | Monthly Readings (MG) | Average Monthly (MGD) | Monthly Readings (gallons) | Monthly Readings (MG) | Average Monthly (MGD) | Monthly Readings (gallons) | Monthly Readings (MG) | Average Monthly (MGD) | Monthly Readings (gallons) | Monthly Readings (MG) | Average Monthly (MGD) | Monthly Readings (gallons) | Monthly Readings (MG) | Average Monthly (MGD) |
| 2007 | | | | | | | | | | | | | | | | | | |
| January | 1,394,680,000 | 1394.68 | 44.990 | 73,088,000 | 73.09 | 2.358 | | 0.00 | 0.000 | 174,957 | 0.17 | 0.006 | 110,763,899 | 110.76 | 3.573 | 310,420 | 0.31 | 0.010 |
| February | 1,326,500,000 | 1326.50 | 47.375 | 72,399,000 | 72.40 | 2.586 | 15,906,904 | 15.91 | 0.270 | 165,383 | 0.17 | 0.006 | 103,284,552 | 103.28 | 3.689 | 234,274 | 0.23 | 0.008 |
| March | 1,474,530,000 | 1474.53 | 47.565 | 90,843,000 | 90.84 | 2.930 | | 0.00 | 0.000 | 157,529 | 0.16 | 0.005 | 117,246,247 | 117.25 | 3.782 | 257,237 | 0.26 | 0.008 |
| April | 1,480,160,000 | 1480.16 | 49.339 | 100,666,000 | 100.67 | 3.356 | 14,735,606 | 14.74 | 0.242 | 168,524 | 0.17 | 0.006 | 142,652,220 | 142.65 | 4.755 | 276,162 | 0.28 | 0.009 |
| May | 1,665,240,000 | 1665.24 | 53.717 | 105,823,000 | 105.82 | 3.414 | | 0.00 | 0.000 | 203,082 | 0.20 | 0.007 | 171,062,030 | 171.06 | 5.518 | 366,370 | 0.37 | 0.012 |
| June | 1,761,310,000 | 1761.31 | 58.710 | 120,391,000 | 120.39 | 4.013 | 24,263,894 | 24.26 | 0.398 | 207,570 | 0.21 | 0.007 | 193,907,550 | 193.91 | 6.464 | 357,918 | 0.36 | 0.012 |
| July | 1,945,880,000 | 1945.88 | 62.770 | 132,889,000 | 132.89 | 4.287 | | 0.00 | 0.000 | 214,751 | 0.21 | 0.007 | 198,029,240 | 198.03 | 6.388 | 333,758 | 0.33 | 0.011 |
| August | 1,777,630,000 | 1777.63 | 57.343 | 130,256,000 | 130.26 | 4.202 | 26,115,446 | 26.12 | 0.421 | 190,815 | 0.19 | 0.006 | 183,459,767 | 183.46 | 5.918 | 321,715 | 0.32 | 0.010 |
| September | 1,672,270,000 | 1672.27 | 55.742 | 115,027,000 | 115.03 | 3.834 | | 0.00 | 0.000 | 227,990 | 0.23 | 0.008 | 189,036,630 | 189.04 | 6.301 | 419,179 | 0.42 | 0.014 |
| October | 1,662,360,000 | 1662.36 | 53.625 | 111,008,000 | 111.01 | 3.581 | 22,252,995 | 22.25 | 0.365 | 217,548 | 0.22 | 0.007 | 182,514,763 | 182.51 | 5.888 | 343,930 | 0.34 | 0.011 |
| November | 1,367,290,000 | 1367.29 | 45.576 | 87,332,000 | 87.33 | 2.911 | | 0.00 | 0.000 | 167,178 | 0.17 | 0.006 | 132,286,110 | 132.29 | 4.410 | 274,516 | 0.27 | 0.009 |
| December | 1,315,300,000 | 1315.30 | 42.429 | 79,427,000 | 79.43 | 2.562 | 16,591,496 | 16.59 | 0.272 | 185,878 | 0.19 | 0.006 | 112,869,419 | 112.87 | 3.641 | 273,170 | 0.27 | 0.009 |
| Total Annual (MG) | | 18843.15 | | | 1219.15 | | | 119.87 | | | 2.28 | | | 1837.11 | | | 3.77 | |
| Average Monthly (MG/Mo) | | 1570.26 | | | 101.60 | | | 9.99 | | | 0.19 | | | 153.09 | | | 0.31 | |
| Average Daily (MGD) | | 51.625 | | | 3.340 | | | 0.328 | | | 0.006 | | | 5.033 | | | 0.010 | |
| NOTES or COMMENTS: | | | | Monthly data is for raw water. | | | Based on bi-monthly billing records plus 7.5% UAW | | | | | | Included Stonehouse with the Central System | | | | | |

| PWSID #3095750 Racefield-JCSA | | | PWSID #3095760 Retreat-JCSA | | | PWSID #3095858 Ware Creek Manor-JCSA | | | PWSID #3095862 Wexford Hills-JCSA | | | PWSID #4073311 Gloucester County WTP | | | PWSID #3095700 Shodon Mobile Estates | | |
|----------------------------------|-----------------------|-----------------------|--------------------------------|-----------------------|-----------------------|---|-----------------------|-----------------------|--------------------------------------|-----------------------|-----------------------|---|-----------------------|-----------------------|---|-----------------------|-----------------------|
| Source GW | | | Source GW | | | Source GW | | | Source GW | | | Source GW & SW | | | Source GW | | |
| Monthly Readings (gallons) | Monthly Readings (MG) | Average Monthly (MGD) | Monthly Readings (gallons) | Monthly Readings (MG) | Average Monthly (MGD) | Monthly Readings (gallons) | Monthly Readings (MG) | Average Monthly (MGD) | Monthly Readings (gallons) | Monthly Readings (MG) | Average Monthly (MGD) | Monthly Readings (gallons) | Monthly Readings (MG) | Average Monthly (MGD) | Monthly Readings (gallons) | Monthly Readings (MG) | Average Monthly (MGD) |
| 292,318 | 0.29 | 0.009 | 300,920 | 0.30 | 0.010 | 340,415 | 0.34 | 0.011 | 636,698 | 0.64 | 0.021 | 39,264,000 | 39.26 | 1.267 | 285,200 | 0.29 | 0.009 |
| 264,493 | 0.26 | 0.009 | 236,518 | 0.24 | 0.008 | 333,010 | 0.33 | 0.012 | 585,460 | 0.59 | 0.021 | 38,329,600 | 38.33 | 1.369 | 192,000 | 0.19 | 0.007 |
| 278,106 | 0.28 | 0.009 | 337,572 | 0.34 | 0.011 | 325,530 | 0.33 | 0.011 | 612,986 | 0.61 | 0.020 | 40,753,000 | 40.75 | 1.315 | 257,600 | 0.26 | 0.008 |
| 299,724 | 0.30 | 0.010 | 442,367 | 0.44 | 0.015 | 368,016 | 0.37 | 0.012 | 723,391 | 0.72 | 0.024 | 41,709,000 | 41.71 | 1.390 | 271,000 | 0.27 | 0.009 |
| 329,120 | 0.33 | 0.011 | 494,727 | 0.49 | 0.016 | 447,154 | 0.45 | 0.014 | 951,980 | 0.95 | 0.031 | 49,713,000 | 49.71 | 1.604 | 236,300 | 0.24 | 0.008 |
| 382,078 | 0.38 | 0.013 | 359,190 | 0.36 | 0.012 | 380,582 | 0.38 | 0.013 | 984,742 | 0.98 | 0.033 | 51,056,000 | 51.06 | 1.702 | 296,200 | 0.30 | 0.010 |
| 444,162 | 0.44 | 0.014 | 495,251 | 0.50 | 0.016 | 371,307 | 0.37 | 0.012 | 1,065,152 | 1.07 | 0.034 | 58,591,000 | 58.59 | 1.890 | 254,100 | 0.25 | 0.008 |
| 373,850 | 0.37 | 0.012 | 487,322 | 0.49 | 0.016 | 357,619 | 0.36 | 0.012 | 881,593 | 0.88 | 0.028 | 36,939,000 | 36.94 | 1.192 | 249,700 | 0.25 | 0.008 |
| 360,312 | 0.36 | 0.012 | 759,444 | 0.76 | 0.025 | 442,741 | 0.44 | 0.015 | 1,068,294 | 1.07 | 0.036 | 31,801,000 | 31.80 | 1.060 | 236,100 | 0.24 | 0.008 |
| 303,838 | 0.30 | 0.010 | 639,091 | 0.64 | 0.021 | 374,823 | 0.37 | 0.012 | 1,068,443 | 1.07 | 0.034 | 31,424,000 | 31.42 | 1.014 | 317,800 | 0.32 | 0.010 |
| 279,228 | 0.28 | 0.009 | 330,466 | 0.33 | 0.011 | 316,404 | 0.32 | 0.011 | 801,108 | 0.80 | 0.027 | 39,857,000 | 39.86 | 1.329 | 255,200 | 0.26 | 0.009 |
| 277,433 | 0.28 | 0.009 | 289,252 | 0.29 | 0.009 | 319,396 | 0.32 | 0.010 | 671,554 | 0.67 | 0.022 | 43,056,000 | 43.06 | 1.389 | 293,200 | 0.29 | 0.009 |
| | 3.88 | | | 5.17 | | | 4.38 | | | 10.05 | | | 502.49 | | | 3.14 | |
| | 0.32 | | | 0.43 | | | 0.36 | | | 0.84 | | | 41.87 | | | 0.26 | |
| | 0.011 | | | 0.014 | | | 0.012 | | | 0.028 | | | 1.377 | | | 0.009 | |
| Monthly data is for raw water. | | | | | | | | | | | | | | | | | |

| PWSID # Villages at Powhatan | | | PWSID #4073510 Laurelwood Estates Trailer Park | | | PWSID #4073735 R&L Trailer Park | | | PWSID #4073800 Waterview Mobile Home Park | | | Locality or Region Total Water Use (MG/Mo) | Locality or Region Total Average Monthly by Month (MGD) |
|------------------------------|-----------------------|-----------------------|--|-----------------------|-----------------------|---------------------------------|-----------------------|-----------------------|---|-----------------------|-----------------------|--|---|
| Source GW | | | Source GW | | | Source GW | | | Source GW | | | | |
| Monthly Readings (gallons) | Monthly Readings (MG) | Average Monthly (MGD) | Monthly Readings (gallons) | Monthly Readings (MG) | Average Monthly (MGD) | Monthly Readings (gallons) | Monthly Readings (MG) | Average Monthly (MGD) | Monthly Readings (gallons) | Monthly Readings (MG) | Average Monthly (MGD) | | |
| 0 | 0.00 | 0.000 | 296,790 | 0.30 | 0.010 | 50,400 | 0.05 | 0.002 | 205,440 | 0.21 | 0.007 | 1,620.69 | 296880.27 |
| 0 | 0.00 | 0.000 | 295,680 | 0.30 | 0.011 | 75,488 | 0.08 | 0.003 | 174,580 | 0.17 | 0.006 | 1,558.98 | 295772.33 |
| 0 | 0.00 | 0.000 | 330,305 | 0.33 | 0.011 | 81,189 | 0.08 | 0.003 | 198,710 | 0.20 | 0.006 | 1,726.21 | 330400.11 |
| 0 | 0.00 | 0.000 | 341,370 | 0.34 | 0.011 | 74,850 | 0.07 | 0.002 | 143,790 | 0.14 | 0.005 | 1,783.03 | 341469.49 |
| 0 | 0.00 | 0.000 | 345,278 | 0.35 | 0.011 | 81,468 | 0.08 | 0.003 | 223,076 | 0.22 | 0.007 | 1,995.52 | 345390.47 |
| 165,200 | 0.17 | 0.006 | 330,000 | 0.33 | 0.011 | 112,860 | 0.11 | 0.004 | 309,030 | 0.31 | 0.010 | 2,154.81 | 330120.76 |
| 103,700 | 0.10 | 0.003 | 335,668 | 0.34 | 0.011 | 105,617 | 0.11 | 0.003 | 347,789 | 0.35 | 0.011 | 2,339.46 | 335800.16 |
| 143,000 | 0.14 | 0.005 | 306,683 | 0.31 | 0.010 | 87,141 | 0.09 | 0.003 | 350,951 | 0.35 | 0.011 | 2,158.15 | 306787.93 |
| 275,300 | 0.28 | 0.009 | 252,870 | 0.25 | 0.008 | 79,830 | 0.08 | 0.003 | 363,000 | 0.36 | 0.012 | 2,012.62 | 252967.82 |
| 270,000 | 0.27 | 0.009 | 248,000 | 0.25 | 0.008 | 71,393 | 0.07 | 0.002 | 356,655 | 0.36 | 0.012 | 2,013.77 | 248095.01 |
| 248,900 | 0.25 | 0.008 | 287,580 | 0.29 | 0.010 | 72,000 | 0.07 | 0.002 | 187,650 | 0.19 | 0.006 | 1,629.99 | 287672.85 |
| 213,800 | 0.21 | 0.007 | 347,634 | 0.35 | 0.011 | 75,082 | 0.08 | 0.002 | 208,692 | 0.21 | 0.007 | 1,570.40 | 347726.05 |
| | 1.42 | | | 3.72 | | | 0.97 | | | 3.07 | | 22563.62 | |
| | 0.12 | | | 0.31 | | | 0.08 | | | 0.26 | | 1880.30 | |
| | 0.007 | | | 0.010 | | | 0.003 | | | 0.008 | | 61.818 | |

Include the following water use information for each community water system within the planning area. Reference sources and note any assumptions regarding calculations. If unable to find data or data not applicable, note accordingly. If applicable, mark service areas on associated map. **Note the data reference year in Row 6 and fill out a separate spreadsheet for each data year.**

Community Water Systems Using Ground and Surface Water: peak day use (9 VAC 25-780-80 B5)

| YEAR | PWSID #3700500 Newport News Waterworks | | PWSID #3830850 City of Williamsburg | | PWSID #3199380 Lightfoot | | PWSID #3095317 Glenwood Acres-JCSA | | PWSID #3095490 Central System-JCSA | | PWSID #3095528 Kings Village - JCSA | |
|--------------------|---|-------------------------|--|-------------------------|---|-------------------------|---------------------------------------|-------------------------|---------------------------------------|-------------------------|--|-------------------------|
| | Source GW/SW | | Source GW/SW | | Source GW | | Source GW | | Source GW | | Source GW | |
| | Peak Day Readings (gpd) | Peak Day Readings (MGD) | Peak Day Readings (gpd) | Peak Day Readings (MGD) | Peak Day Readings (gpd) | Peak Day Readings (MGD) | Peak Day Readings (gpd) | Peak Day Readings (MGD) | Peak Day Readings (gpd) | Peak Day Readings (MGD) | Peak Day Readings (gpd) | Peak Day Readings (MGD) |
| 2007 | | | | | | | | | | | | |
| January | 46,750,000 | 46.750 | 2,647,000 | 2.647 | | 0.000 | 8,466 | 0.008 | 6,777,658 | 6.778 | 15,020 | 0.015 |
| February | 51,360,000 | 51.360 | 3,011,000 | 3.011 | | 0.000 | 8,860 | 0.009 | 6,616,968 | 6.617 | 12,550 | 0.013 |
| March | 55,090,000 | 55.090 | 3,753,000 | 3.753 | | 0.000 | 7,622 | 0.008 | 6,673,400 | 6.673 | 12,447 | 0.012 |
| April | 52,770,000 | 52.770 | 3,839,000 | 3.839 | | 0.000 | 8,426 | 0.008 | 7,996,531 | 7.997 | 13,808 | 0.014 |
| May | 61,660,000 | 61.660 | 4,260,000 | 4.260 | | 0.000 | 9,827 | 0.010 | 9,438,943 | 9.439 | 17,728 | 0.018 |
| June | 65,920,000 | 65.920 | 4,606,000 | 4.606 | | 0.000 | 10,379 | 0.010 | 10,998,294 | 10.998 | 17,896 | 0.018 |
| July | 67,390,000 | 67.390 | 4,871,000 | 4.871 | | 0.000 | 10,391 | 0.010 | 10,952,544 | 10.953 | 16,150 | 0.016 |
| August | 60,730,000 | 60.730 | 4,922,000 | 4.922 | | 0.000 | 9,233 | 0.009 | 10,180,195 | 10.180 | 15,567 | 0.016 |
| September | 59,170,000 | 59.170 | 4,418,000 | 4.418 | | 0.000 | 11,400 | 0.011 | 10,809,470 | 10.809 | 20,959 | 0.021 |
| October | 61,230,000 | 61.230 | 4,278,000 | 4.278 | | 0.000 | 10,527 | 0.011 | 10,111,137 | 10.111 | 16,642 | 0.017 |
| November | 47,980,000 | 47.980 | 3,666,000 | 3.666 | | 0.000 | 8,359 | 0.008 | 7,718,536 | 7.719 | 13,726 | 0.014 |
| December | 45,170,000 | 45.170 | 2,990,000 | 2.990 | | 0.000 | 8,994 | 0.009 | 6,451,705 | 6.452 | 13,218 | 0.013 |
| NOTES or COMMENTS: | | | | | July/August billing period was peak use of 0.419 mgd. Peak day estimate = 1.5 x 0.419 mgd = 0.6285 mgd | | | | | | | |

| YEAR | PWSID #3095750 Racefield-JCSA | | PWSID #3095760 Retreat-JCSA | | PWSID #3095858 Ware Creek Manor-JCSA | | PWSID #3095862 Wexford Hills-JCSA | | PWSID #4073311 Gloucester County | |
|--------------------|----------------------------------|-------------------------|--------------------------------|-------------------------|---|-------------------------|--------------------------------------|-------------------------|-------------------------------------|-------------------------|
| | Source GW | | Source GW | | Source GW | | Source GW | | Source GW/SW | |
| | Peak Day Readings (gpd) | Peak Day Readings (MGD) | Peak Day Readings (gpd) | Peak Day Readings (MGD) | Peak Day Readings (gpd) | Peak Day Readings (MGD) | Peak Day Readings (gpd) | Peak Day Readings (MGD) | Peak Day Readings (gpd) | Peak Day Readings (MGD) |
| 2007 | | | | | | | | | | |
| January | 14,144 | 0.014 | 14,561 | 0.015 | 16,472 | 0.016 | 30,808 | 0.031 | 1,430,700 | 1.431 |
| February | 14,169 | 0.014 | 12,671 | 0.013 | 17,840 | 0.018 | 31,364 | 0.031 | 1,600,000 | 1.600 |
| March | 13,457 | 0.013 | 16,334 | 0.016 | 15,751 | 0.016 | 29,661 | 0.030 | 1,529,400 | 1.529 |
| April | 14,986 | 0.015 | 22,118 | 0.022 | 18,401 | 0.018 | 36,170 | 0.036 | 1,925,000 | 1.925 |
| May | 15,925 | 0.016 | 23,938 | 0.024 | 21,636 | 0.022 | 46,064 | 0.046 | 1,995,000 | 1.995 |
| June | 19,104 | 0.019 | 17,960 | 0.018 | 19,029 | 0.019 | 49,237 | 0.049 | 2,263,700 | 2.264 |
| July | 21,492 | 0.021 | 23,964 | 0.024 | 17,966 | 0.018 | 51,540 | 0.052 | 2,576,400 | 2.576 |
| August | 18,090 | 0.018 | 23,580 | 0.024 | 17,304 | 0.017 | 42,658 | 0.043 | 1,738,100 | 1.738 |
| September | 18,016 | 0.018 | 37,972 | 0.038 | 22,137 | 0.022 | 53,415 | 0.053 | 1,925,100 | 1.925 |
| October | 14,702 | 0.015 | 30,924 | 0.031 | 18,137 | 0.018 | 51,699 | 0.052 | 1,525,600 | 1.526 |
| November | 13,961 | 0.014 | 16,523 | 0.017 | 15,820 | 0.016 | 40,055 | 0.040 | 2,449,800 | 2.450 |
| December | 13,424 | 0.013 | 13,996 | 0.014 | 15,455 | 0.015 | 32,495 | 0.032 | 1,865,100 | 1.865 |
| NOTES or COMMENTS: | | | | | | | | | | |

Peak day for Shodon Mobile Estates is estimated as 1.5 x .009 MGD = 0.014 MGD.

Peak day for Brooks' Duplexes estimated to be 0.0027 MGD by VDH.

Peak day for Greensprings Mobile Village estimated to be 0.0138 MGD by VDH.

Peak day for Heaths Mobile Homes estimated to be 0.0038 MGD by VDH (2008 data).

Peak day for Laurelwood Estates Trailer Park is estimated as 1.5 x .01 MGD = 0.015 MGD.

Peak day for R&L Trailer Park is estimated as 1.5 x .003 MGD = 0.0045 MGD.

Peak day for Waterview Mobile Home Park is estimated as 1.5 x .008 MGD = 0.012 MGD.

For each community water system included in the water plan, include an estimate of the disaggregated annual average amount of water used in categories of use appropriate for the system. Reference sources and note any assumptions regarding calculation. **Unable to find data or data not applicable, note accordingly in the Notes/Comments Column and highlight applicable cells. Note the data reference year in Row # and fill out a separate spreadsheet for each data year.**

| COMMUNITY WATER SYSTEMS (MUNICIPAL & PRIVATE): DISAGGREGATED ANNUAL AVERAGE WATER USE AMOUNTS (9 VAC 25-780-80 B9) | | | | | | | | | | | | | | | | | | | Notes or Comments (This may include references to maps, data sources, data gaps, etc.) | | | |
|--|---------|---|--------------------|-------------------|-------------------|---|--|------------------------|------------------------|----------------|----------------|-------------|-------------|----------------------------|----------------------------|------------------------------|------------------------------|-----------------------|---|----------------------|-------------|--|
| YEAR: 2007 | PWSID | Water System Name | System Total (MGD) | Residential (gpd) | Residential (MGD) | Commercial Institutional Light Industrial CIL (gpd) | Institutional Light Industrial CIL (MGD) | Heavy Industrial (gpd) | Heavy Industrial (MGD) | Military (gpd) | Military (MGD) | Other (gpd) | Other (MGD) | Production Processes (gpd) | Production Processes (MGD) | Unaccounted for Losses (gpd) | Unaccounted for Losses (MGD) | Sales to Other CWS's: | | | | |
| | | | | | | | | | | | | | | | | | | Amount Sold (gpd) | | Amount Sold (MGD) | System Name | |
| Gloucester County Public Systems | | | | | | | | | | | | | | | | | | | | | | |
| | 4073311 | Gloucester County WTP | 1.380 | 649,676 | 0.650 | 255,446 | 0.255 | | 0.000 | | 0.000 | 57,246 | 0.057 | 314,000 | 0.314 | 104,000 | 0.104 | | 0.000 | | | |
| Gloucester County Private Systems | | | | | | | | | | | | | | | | | | | | | | |
| | 4073735 | Laurelwood Estates Trailer Park | 0.010 | 10,000 | 0.010 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | | |
| | 4073735 | R&L Trailer Park | 0.003 | 3,000 | 0.003 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | | |
| | 4073800 | Waterview Mobile Home Park | 0.008 | 8,000 | 0.008 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | | |
| Hampton | | | | | | | | | | | | | | | | | | | | | | |
| | 3650150 | Fort Monroe | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | | Fort Monroe, Air Force Family Housing, and Langley Air Force Base are included in the usage for Newport News Waterworks. |
| | 3199100 | Balford Langley Bolling Family Housing | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | | |
| | 3650350 | Langley Air Force Base | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | | |
| James City County Public Systems | | | | | | | | | | | | | | | | | | | | | | |
| | 3095317 | GLENWOOD ACRES-James City Service Authority | 0.006 | 6,250 | 0.006 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | | |
| | 3095490 | CENTRAL SYSTEM-James City Service Authority | 5.820 | 3,106,500 | 3.107 | 1,672,500 | 1.673 | | 0.000 | | 0.000 | | 0.000 | 790,000.00 | 0.790 | 251,000.00 | 0.251 | | 0.000 | | | |
| | 3095528 | KINGS VILLAGE-James City Service Authority | 0.010 | 10,325 | 0.010 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | | |
| | 3095750 | RACEFIELD-James City Service Authority | 0.011 | 10,643 | 0.011 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | | |
| | 3095760 | RETREAT-James City Service Authority | 0.014 | 14,170 | 0.014 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | | |
| | 3095858 | WARE CREEK MANOR-James City Service Authority | 0.012 | 11,992 | 0.012 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | | |
| | 3095862 | WEXFORD HILLS-James City Service Authority | 0.028 | 27,538 | 0.028 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | | |
| James City County Private Systems | | | | | | | | | | | | | | | | | | | | | | |
| | 3095045 | Brooks' Duplexes | 0.002 | 1,597 | 0.002 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | | |
| | 3095320 | Greensprings Mobile Village | 0.011 | 10,649 | 0.011 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | | |
| | 3095590 | Heaths Mobile Homes | 0.003 | 3,102 | 0.003 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | | 2007 use not available, 2008 use shown |
| | 3095700 | Shodon Mobile Estates | 0.009 | 9,000 | 0.009 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | | |
| Newport News | | | | | | | | | | | | | | | | | | | | | | |
| | 3700500 | Newport News Waterworks | 51.630 | 25,000,000 | 25.000 | 8,100,000 | 8.100 | 9,690,000 | 9.690 | 3,010,000 | 3.010 | 70,000 | 0.070 | 3,470,000 | 3.470 | 2,290,000 | 2.290 | 0.00 | 0.000 | City of Williamsburg | | No sales to Williamsburg in 2007 |
| | 3700100 | Fort Eustis | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | | Fort Eustis is included in the usage for Newport News Waterworks. |
| Williamsburg | | | | | | | | | | | | | | | | | | | | | | |
| | 3830850 | City of Williamsburg | 3.336 | 560,000 | 0.560 | 2,168,000 | 2.168 | | 0.000 | 96,515 | 0.097 | | 0.000 | 71,000 | 0.071 | 440,000 | 0.440 | | 0.000 | | | Includes water sold to Camp Peary |
| York County | | | | | | | | | | | | | | | | | | | | | | |
| | 3199380 | Lightfoot - Newport News Waterworks | 0.328 | 56,438 | 0.056 | 249,051 | 0.249 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | 23,000 | 0.023 | | 0.000 | | | |
| | 3199730 | Skimino Hills Banbury Cross - Newport News Waterworks | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | | |



Non-Agricultural, Self-Supplied Users of Surface Water
Hampton Roads Peninsula

Office of Water Supply Planning
629 East Main Street,
P.O. Box 1105, Richmond, VA 23218
URL: <http://www.deq.virginia.gov/watersupplyplanning/>

List non-agricultural surface water source and use information for all self-supplied users of more than 300,000 gallons per month. Reference sources and note any assumptions regarding calculations. If unable to find data or data not applicable, note accordingly. If applicable, mark users on associated map. **Note the data reference year in Column I, Row 4 and fill out a separate spreadsheet for each data year.**

| SELF-SUPPLIED, NON-AGRICULTURAL USERS USING MORE THAN 300,000 GAL/MONTH OF SURFACE WATER (9 VAC 25-780-70 E, - 80 B6, and - 80 C) | | | | | | | | |
|---|-----------------------|--------------|--------------------------------|--------------------------------|---------------------------------|---------------------------------|--|--|
| Water User Name | Waterbody Source Name | Use Category | DESIGN CAPACITY: | | | | WATER USE: | Notes or Comments (Include service area user falls within and references to any maps, data sources, data gaps, etc.) |
| | | | Average Daily Withdrawal (gpd) | Average Daily Withdrawal (MGD) | Maximum Daily Withdrawals (gpd) | Maximum Daily Withdrawals (MGD) | Estimated Annual Average (MGD) Year 2007 | |
| Within Community Water System (Municipal & Private) Service Areas | | | | | | | | |
| James City County | | | | | | | | |
| Kingsmill Golf Course | Busch Gardens Lake | Com | NI | | NI | | 0.079 | |
| | Wareham's Pond | Com | NI | | NI | | 0.139 | |
| | Kingsmill Pond | Com | NI | | NI | | 0.058 | |
| Williamsburg National Golf Course | Powhatan Creek | Com | NI | | NI | | 0.053 | Williamsburg National Golf Course LLC holds a Virginia Water Protection Permit for water withdrawals |
| Newport News | | | | | | | | |
| Deer Run Golf Course | Lee Hall Reservoir | Com | NI | | NI | | 0.078 | |
| Northrup Grumman Shipbuilding | James River | Com | NI | | NI | | 8.150 | |
| Williamsburg | | | | | | | | |
| Golden Horseshoe Golf Course | Golden Horseshoe Pond | Com | NI | | NI | | 0.097 | |
| | Rees Jones Pond | Com | NI | | NI | | 0.087 | |
| York County | | | | | | | | |
| Williamsburg Country Club | Golf Course Lake | Com | NI | | NI | | 0.048 | |
| Yorktown Fossil Power Plant | York River | Pf | NI | | NI | | 817.114 | Power Plant holds a Virginia Water Protection Permit for water withdrawals. Water is for once-through, non-contact cooling water. The water is returned to the York River. |
| Within Community Water System Service Area Totals (MGD): | | | | 0.000 | | 0.000 | 825.496 | |
| Outside Community Water System (Municipal & Private) Service Areas | | | | | | | | |
| None | | | | | | | | |
| Outside Community Water System Service Area Totals (MGD): | | | | 0.000 | | 0.000 | 0.000 | |
| Self-Supplied Nonagricultural Users of Surface Water Totals (MGD): | | | | 0.000 | | 0.000 | 825.496 | |

List non-agricultural groundwater source and use information for all self-supplied users of more than 300,000 gallons per month. Reference sources and note any assumptions regarding calculations. If unable to find data or data not applicable, note accordingly. If applicable, mark users on associated map. **Note the data reference year in Column M, Row 4 and fill out a separate spreadsheet for each data year.**

SELF-SUPPLIED, NON-AGRICULTURAL USERS USING MORE THAN 300,000 GAL/MONTH OF GROUND WATER (9 VAC 25-780-7 F, - 80 B6, and - 80 C)

| Water User Name | Use Category | DESIGN CAPACITY: | | | | INDIVIDUAL WELL DATA: | | | | | | WATER USE: | Notes or Comments (Include service area user falls within and references to any maps, data sources, data gaps, etc.) |
|--|--------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|-------------------------|-------------------|---------------------|--|------------------------|--|--|---|
| | | Average Daily Withdrawals (gpd) | Average Daily Withdrawals (MGD) | Maximum Daily Withdrawals (gpd) | Maximum Daily Withdrawals (MGD) | Well Name and ID # | Well Depth (feet) | Casing Depth (feet) | Screen Depth (Top & Bottom) or Water Zones | Well Diameter (inches) | Limitations on Withdrawal Permit(s) | Estimated Annual Average (MGD) YEAR 2007 | |
| Within Community Water System (Municipal & Private) Service Areas | | | | | | | | | | | | | |
| Hampton | | | | | | | | | | | | | |
| Sanifill of Virginia - Big Bethel Landfill | Com | NI | | NI | | 211-00023 | 0 | NA | NI | NI | GW0036800 = 0.377 mgd (137.708 Mgal/year; 23.213 Mgal/month) expired 2005 | 0.000 | |
| | | NI | | NI | | 211-00024 | 13 | NA | NI | NI | | 0.000 | |
| | | NI | | NI | | 211-00025 | 18 | NA | NI | NI | | 0.023 | |
| | | NI | | NI | | 211-00026 | 20 | NA | NI | NI | | 0.055 | |
| | | NI | | NI | | 211-00027 | 22 | NA | NI | NI | | 0.000 | |
| | | NI | | NI | | 211-00028 | 22 | NA | NI | NI | | 0.000 | |
| Titan Ready Mix Plant - Rip Rap Road | Man | NI | | NI | | 211-00032 | 50 | NA | NI | NI | GW0044800 = 0.018 mgd (6.481 Mgal/year; 0.795 Mgal/month) | 0.000 | |
| | | NI | | NI | | 211-00029 | 105 | NA | 92-105 | 4 | | 0.003 | |
| | | NI | | NI | | 211-00030 | 175 | NA | 11-16, 80-120, 145-175 | 6 | | 0.003 | |
| NI | | NI | | 211-00031 | 110 | NA | 100-110 | 4 | | 0.010 | | | |
| Hampton totals | | | | | | | | | | | 0.094 | | |
| James City County | | | | | | | | | | | | | |
| Busch Gardens Williamsburg | Com | NI | | NI | | FLUME WELL 147-117 | 520 | NA | 451-456, 456-500 | 8 | GW0047800 = 0.129 mgd (47 Mgal/yr, 15 Mgal/month) | 0.065 | |
| | | NI | | NI | | IRRIGATION WELL 147-219 | 530 | NA | 428-438, 472-482, 490-500, 514-524 | 8 | | 0.000 | |
| Two Rivers Country Club | Com | NI | | NI | | IRRIGATION WELL | NI | NI | NI | NI | GW0054100 = 0.197 mgd (71.8 Mgal/yr, 14.8 Mgal/month) | 0.073 | |
| BASF Corporation Williamsburg | Man | NI | | NI | | WELL #2 147-012 | 524 | NA | 444-459, 469-484, 499-509, 514-524 | 8 | GW0035100 = 3.553 mgd (1,297 Mgal/yr, 129 Mgal/month) | 0.000 | Business is closed but permit is still active. Wells #2, #5, #6 are not in current DEQ database. |
| | | NI | | NI | | WELL #3 147-009 | 520 | NA | 460-470, 480-520 | 8 | | 0.016 | |
| | | NI | | NI | | WELL #4 147-010 | 530 | NA | 470-500, 510-530 | 8 | | 0.000 | |
| | | NI | | NI | | WELL #5 147-011 | 510 | NA | 445-455, 470-510 | 8 | | 0.000 | |
| | | NI | | NI | | WELL #6 147-013 | 545 | NA | 450-455, 465-505, 535-545 | 8 | | 0.000 | |
| Outdoor World Campground Williamsburg | Com | NI | | NI | | WELL #1 | NI | NI | NI | NI | No permit | 0.013 | Permit preapplication mtg - Jan 2010 |
| James City County totals | | | | | | | | | | | 0.167 | | |
| Newport News | | | | | | | | | | | | | |
| Kinder Morgan Bulk Terminal - Pier IX Terminal Company | Man | NI | | NI | | 216-00031 | 900 | NA | 672-692, 702-722, 800-820, 827-842, 848-873, 880-890 | 6 | GW0044700 = 0.117 mgd (42.57 Mgal/year; 7.1 Mgal/month) | 0.081 | |
| | | NI | | NI | | 216-00074 | 30 | NA | 20-30 | 4 | | 0.001 | |
| | | NI | | NI | | 216-00075 | 28 | NA | 18-28 | 4 | | 0.003 | |
| | | NI | | NI | | 216-00076 | 30 | NA | 20-30 | 4 | | 0.001 | |
| | | NI | | NI | | 216-00077 | 28 | NA | 18-28 | 4 | | 0.000 | |
| | | NI | | NI | | 216-00078 | 30 | NA | 20-30 | 4 | | 0.003 | |
| | | NI | | NI | | 216-00079 | 30 | NA | 20-30 | 4 | | 0.000 | |
| | | NI | | NI | | 216-00080 | 30 | NA | 15-30 | 4 | | 0.000 | |



Non-Agricultural, Self-Supplied Users of Ground Water
Hampton Roads Peninsula

Office of Water Supply Planning
629 East Main Street,
P.O. Box 1105, Richmond, VA 23218
URL: <http://www.deq.virginia.gov/watersupplyplanning/>

List non-agricultural groundwater source and use information for all self-supplied users of more than 300,000 gallons per month. Reference sources and note any assumptions regarding calculations. If unable to find data or data not applicable, note accordingly. If applicable, mark users on associated map. **Note the data reference year in Column M, Row 4 and fill out a separate spreadsheet for each data year.**

SELF-SUPPLIED, NON-AGRICULTURAL USERS USING MORE THAN 300,000 GAL/MONTH OF GROUND WATER (9 VAC 25-780-7 F, - 80 B6, and - 80 C)

| Water User Name | Use Category | DESIGN CAPACITY: | | | | INDIVIDUAL WELL DATA: | | | | | | WATER USE: | Notes or Comments (Include service area user falls within and references to any maps, data sources, data gaps, etc.) |
|---|--------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|--|-------------------|---------------------|--|------------------------|---|--|---|
| | | Average Daily Withdrawals (gpd) | Average Daily Withdrawals (MGD) | Maximum Daily Withdrawals (gpd) | Maximum Daily Withdrawals (MGD) | Well Name and ID # | Well Depth (feet) | Casing Depth (feet) | Screen Depth (Top & Bottom) or Water Zones | Well Diameter (inches) | Limitations on Withdrawal Permit(s) | Estimated Annual Average (MGD) YEAR 2007 | |
| Newport News continued | | | | | | | | | | | | | |
| Siemens Automotive - Newport News | Man | NI | | NI | | 216-00059 | 52 | NA | 42-52 | 2 | GW0042800 = 0.105 mgd (38.36 Mgal/year; 3.8 Mgal/month) | 0.008 | |
| | | NI | | NI | | 216-00060 | 52 | NA | 42-52 | 2 | | 0.013 | |
| | | NI | | NI | | 216-00061 | 30 | NA | 20-30 | 2 | | 0.000 | |
| | | NI | | NI | | 216-00062 | 30 | NA | 20-30 | 2 | | 0.002 | |
| | | NI | | NI | | 216-00063 | 55 | NA | 40-55 | 2 | | 0.001 | |
| | | NI | | NI | | 216-00064 | 55 | NA | 40-55 | 2 | | 0.001 | |
| | | NI | | NI | | 216-00065 | 70 | NA | 47-57 | 4 | | 0.012 | |
| Dominion Terminal Associates - Pier 11 | Man | NI | | NI | | 216-00034 | 735 | NA | 620-650, 710-740 | 6 | GW0045500 = 0.147 mgd (53.8 Mgal/year; 8.22 Mgal/month) | 0.051 | |
| | | NI | | NI | | 216-00073 | 731 | NA | 567-582, 599-614, 689-704, | 6 | 0.070 | | |
| James River Country Club | Com | NI | | NI | | 216-00024 | 700 | NA | 680-700 | 2 | GW0037000 = 0.032 mgd (11.6 Mgal/year; 2.684 Mgal/month) expired 2006 | 0.000 | |
| | | NI | | NI | | 216-00025 | 720 | NA | 700-720 | 2 | | 0.000 | |
| | | NI | | NI | | 216-00027 | 65 | NA | 45-65 | 4 | | 0.001 | |
| | | NI | | NI | | 216-00028 | 43 | NA | 33-43 | 4 | | 0.002 | |
| | | NI | | NI | | 216-00029 | 53 | NA | 43-53 | 4 | | 0.005 | |
| | | NI | | NI | | 216-00030 | 65 | NA | 55-65 | 4 | | 0.001 | |
| | | NI | | NI | | 216-00051 | 60 | NA | 40-60 | 4 | | 0.006 | |
| The Pines Golf Course - Fort Eustis | Com | NI | | NI | | 216-00072 | 510 | NA | 448-498 | 10 | PA211/PA212 | 0.056 | New permit application submitted, unclear if this is the production well. |
| | | | | | | | | | | | | | 0.082 |
| Newport News totals | | | | | | | | | | | | | |
| Williamsburg | | | | | | | | | | | | | |
| Golden Horseshoe Golf Course | Com | NI | | NI | | Colonial Williamsburg - New Course 147-00235 | 472 | NA | 412-462 | 8 | GW0036100 = 0.134 mgd (49 Mgal/year; 14.2 Mgal/month) | 0.041 | |
| Colonial Williamsburg Inn | Com | NI | | NI | | 230-00008 | 480 | NA | 400-415, 423-438, 458-473, 400-415, 423-438, 458-473 | 6, 10 | GW0041300 = 1.844 mgd (672.9 Mga/year; 85.4 Mgal/month) | 0.000 | |
| | | NI | | NI | | 230-00009 | 484 | NA | 417-438, 438-458, 459-470 | 6 | | 0.011 | |
| | | NI | | NI | | 230-00013 | 501 | NA | 399-412, 416-428, 438-444, 448-460, 464-471 | 8 | | 0.098 | |
| | | NI | | NI | | 230-00014 | 500 | NA | 369-381, 388-412, 426-450 | 8 | | 0.000 | |
| | | NI | | NI | | 230-00023 | 478 | NA | 400-432 | 6 | | 0.038 | |
| | | NI | | NI | | 230-00024 | 486 | NA | 410-425, 430-440, 457-472 | 10 | | 0.259 | |
| | | NI | | NI | | 230-00026 | 498 | NA | 432-489 | 10 | | 0.069 | |
| Williamsburg totals | | | | | | | | | | | 0.516 | | |
| Within CWS Service Area Totals (MGD): | | | 0.000 | | 0.000 | | | | | | | 0.858 | |
| Outside Community Water System (Municipal & Private) Service Areas | | | | | | | | | | | | | |
| None | | | 0.000 | | 0.000 | | | | | | | | |
| Outside CWS Service Area Totals (MGD): | | | 0.000 | | 0.000 | | | | | | | 0.000 | |
| Self-Supplied Nonagricultural Users of Ground Water Totals (MGD): | | | 0.000 | | 0.000 | | | | | | | 0.858 | |
| Self-Supplied Nonagricultural Users Totals (surface and groundwater in MGD): | | | 0.000 | | 0.000 | | | | | | | 826.354 | |



Agricultural, Self-Supplied Users
Hampton Roads Peninsula

Office of Water Supply Planning
 629 East Main Street,
 P.O. Box 1105, Richmond, VA 23218
 URL: <http://www.deq.virginia.gov/watersupplyplanning/>

List data for all agricultural users who utilize more than 300,000 gallons per month of ground or surface water. Reference sources and note any assumptions regarding calculations. If unable to find data or data not applicable, note accordingly. If applicable, mark and label on associated map. **Note the data reference year in Column F, Row 4 and fill out a separate spreadsheet for each data year.**

SELF-SUPPLIED, AGRICULTURAL USERS > 300,000 GAL/MONTH OF GROUND OR SURFACE WATER (9 VAC 25-780-70 I, -80B7, and -80D)

| User Name | SOURCE TYPE: | | USE TYPE: | | WATER USE: | | Notes or Comments (Include service area user falls within and any references to maps, data sources, data gaps, etc.) |
|---|------------------------------------|--|---|---------------|--|-----------------------|---|
| | Ground Water Well Name & ID No. | Surface Water Reservoir & Sub-basin or Stream/River Name & Sub-basin | Irrigation | Nonirrigation | Estimated Annual Average (MGD) Year 2007 | | |
| | | | (Place an "X" in appropriate column cell) | | Surface Water (MGD) | Ground Water (MGD) | |
| Within Community Water System (Municipal & Private) Service Areas | | | | | | | |
| None | | | | | | | |
| Within Community Water System Service Area Water Use Totals (MGD): | | | | | 0.000 | 0.000 | |
| Outside Community Water System (Municipal & Private) Service Areas | | | | | | | |
| None | | | | | | | |
| Outside Community Water System Service Area Water Use Totals (MGD): | | | | | 0.000 | 0.000 | |
| Estimated Total Agricultural Useage By Source (MGD): | | | | | 0.000 | 0.000 | |

Estimate well use information for small, self-supplied business users on individual wells. Reference sources and note any assumptions regarding calculations. If unable to find data or data not applicable, note accordingly. Record the data reference year, from your data sources, in Row 5. **Fill out a separate sheet for each locality in your region.**

ESTIMATED WATER USE BY SELF-SUPPLIED BUSINESS USERS ON INDIVIDUAL WELLS (9 VAC 25-780-80 B8 and -80 E)

| HR Peninsula sub-region | | | | | Use this spreadsheet to fill out columns K and Q on the main "70J, 80B8, 80E SSU" spreadsheet | | | | |
|--|--|--|---|---|--|--|--|---|---|
| Year: 2007 | | | | | ESTIMATING SMALL SELF-SUPPLIED BUSINESS WATER USE | | | | |
| Step 3 (continued from 70J spreadsheet): Estimated Self-Supplied Business Water Use | | | | | Step 4 (continued from 70J spreadsheet): Estimated Self-Supplied Business Water Use | | | | |
| OUTSIDE COMMUNITY WATER SYSTEM SERVICE AREA | | | | | INSIDE COMMUNITY WATER SYSTEM SERVICE AREA | | | | |
| Business Name | Estimated Population Served by Each Business | Per Capita Water Use Factor (gal/person/day) | Estimated Average Annual Business Use (gallons/day) (Column B x Column C) | Estimated Average Annual Business Use (MGD) | Business Name | Estimated Population Served by Each Business | Per Capita Water Use Factor (gal/person/day) | Estimated Average Annual Business Use (gallons/day) (Column G x Column H) | Estimated Average Annual Business Use (MGD) |
| Gloucester County | | | | | | | | | |
| ANN'S COUNTRY DINING | 350 | 50 | 17,500 | 0.018 | ARK PARK | 200 | 5 | 1,000 | 0.001 |
| BEAVER DAM PARK (RANGER'S STATION) | 50 | 100 | 5,000 | 0.005 | WHITCOMB LODGE & ENVIRONMENTAL ED CTR | 50 | 16 | 800 | 0.001 |
| BEAVER DAM PARK (RT. 606) | 250 | 50 | 12,500 | 0.013 | | | | 0 | 0.000 |
| BETHEL ELEMENTARY SCHOOL | 650 | 10 | 6,500 | 0.007 | | | | 0 | 0.000 |
| BRISCOES GRILL | 75 | 50 | 3,750 | 0.004 | | | | 0 | 0.000 |
| BURKES MILL POND CAMPGROUND | 80 | 50 | 4,000 | 0.004 | | | | 0 | 0.000 |
| CARTERS COVE | 50 | 50 | 2,500 | 0.003 | | | | 0 | 0.000 |
| CROWN POINTE MARINA | 50 | 50 | 2,500 | 0.003 | | | | 0 | 0.000 |
| GET N ZIP | 72 | 10 | 720 | 0.001 | | | | 0 | 0.000 |
| GLOUCESTER BANKS | 50 | 15 | 750 | 0.001 | | | | 0 | 0.000 |
| GLOUCESTER COUNTRY CLUB | 100 | 15 | 1,500 | 0.002 | | | | 0 | 0.000 |
| GLOUCESTER FAMILY CAMPGROUND | 250 | 50 | 12,500 | 0.013 | | | | 0 | 0.000 |
| GLOUCESTER MOOSE FAMILY #886 | 400 | 15 | 6,000 | 0.006 | | | | 0 | 0.000 |
| GRAND KIDS CHILD CARE | 109 | 10 | 1,090 | 0.001 | | | | 0 | 0.000 |
| MAJESTY CHRISTIAN ACADEMY | 75 | 16 | 1,200 | 0.001 | | | | 0 | 0.000 |
| PEASLEY MIDDLE SCHOOL | 963 | 16 | 15,408 | 0.015 | | | | 0 | 0.000 |
| PETSWORTH ELEMENTARY SCHOOL | 462 | 10 | 4,620 | 0.005 | | | | 0 | 0.000 |
| RAPPAHANNOCK COMMUNITY COLLEGE | 528 | 16 | 8,448 | 0.008 | | | | 0 | 0.000 |
| THOUSAND TRAILS INC | 200 | 15 | 3,000 | 0.003 | | | | 0 | 0.000 |
| WARE ACADEMY | 185 | 16 | 2,960 | 0.003 | | | | 0 | 0.000 |
| WARE RIVER YACHT CLUB | 25 | 15 | 375 | 0.000 | | | | 0 | 0.000 |
| WARNER HALL PROPERTIES | 48 | 15 | 720 | 0.001 | | | | 0 | 0.000 |
| James City County | | | | | | | | | |
| CAMP LIGHTFOOT | 99 | 50 | 4,950 | 0.005 | AMERICAN HERITAGE RV PARK | 300 | 300 | 90,000 | 0.090 |
| HOG WILD SMOKEHOUSE | 118 | 50 | 5,900 | 0.006 | ANVIL CAMPGROUND | 168 | 50 | 8,400 | 0.008 |
| INTERSTATE SHELL (TOANO) | 950 | 10 | 9,500 | 0.010 | BEDELL MEDICAL CENTER | 50 | 100 | 5,000 | 0.005 |
| PATSYS FAMILY DINER | 213 | 50 | 10,650 | 0.011 | CAMP SKIMINO | 250 | 50 | 12,500 | 0.013 |
| STAR EXPRESS | 400 | 50 | 20,000 | 0.020 | CHICKAHOMINY RIVERFRONT PARK | 324 | 50 | 16,200 | 0.016 |
| TRADITIONAL GOLF PROPERTIES | 200 | 50 | 10,000 | 0.010 | FAIR OAKS CAMPGROUND | 500 | 50 | 25,000 | 0.025 |
| WILLIAMSBURG POTTERY FACTORY | NI | | 16,000 | 0.016 | LITTLE CREEK RES PARK JCC | 200 | 5 | 1,000 | 0.001 |
| | | | 0 | 0.000 | MCDONALDS (TOANO) | 90 | 50 | 4,500 | 0.005 |
| | | | 0 | 0.000 | OUTDOOR WORLD CAMPGROUND | 193 | 50 | 9,650 | 0.010 |
| | | | 0 | 0.000 | TRADITIONS GOLF COURSE AT KISKIACK | 200 | 50 | 10,000 | 0.010 |
| | | | 0 | 0.000 | UPPER COUNTY PARK | 350 | 50 | 17,500 | 0.018 |
| | | | 0 | 0.000 | WILLIAMSBURG/ JAMESTOWN AIRPORT | 100 | 15 | 1,500 | 0.002 |
| | | | 0 | 0.000 | YORK RIVER ST PARK-CROAKER LANDING | 500 | 5 | 2,500 | 0.003 |
| | | | 0 | 0.000 | YORK RIVER STATE PARK-TASKINAS POINT | 750 | 5 | 3,750 | 0.004 |
| | | | 0 | 0.000 | | | | 0 | 0.000 |



Estimate well use information for small, self-supplied business users on individual wells. Reference sources and note any assumptions regarding calculations. If unable to find data or data not applicable, note accordingly. Record the data reference year, from your data sources, in Row 5. **Fill out a separate sheet for each locality in your region.**

ESTIMATED WATER USE BY SELF-SUPPLIED BUSINESS USERS ON INDIVIDUAL WELLS (9 VAC 25-780-80 B8 and -80 E)

| HR Peninsula sub-region | | | | | Use this spreadsheet to fill out columns K and Q on the main "70J, 80B8, 80E SSU" spreadsheet | | | | | |
|--|--|--|---|---|--|---|--|---|---|--------------|
| Year: 2007 | | | | | ESTIMATING SMALL SELF-SUPPLIED BUSINESS WATER USE | | | | | |
| Step 3 (continued from 70J spreadsheet): Estimated Self-Supplied Business Water Use | | | | | Step 4 (continued from 70J spreadsheet): Estimated Self-Supplied Business Water Use | | | | | |
| OUTSIDE COMMUNITY WATER SYSTEM SERVICE AREA | | | | | INSIDE COMMUNITY WATER SYSTEM SERVICE AREA | | | | | |
| Business Name | Estimated Population Served by Each Business | Per Capita Water Use Factor (gal/person/day) | Estimated Average Annual Business Use (gallons/day) (Column B x Column C) | Estimated Average Annual Business Use (MGD) | Business Name | Estimated Population Served by Each Business | Per Capita Water Use Factor (gal/person/day) | Estimated Average Annual Business Use (gallons/day) (Column G x Column H) | Estimated Average Annual Business Use (MGD) | |
| Newport News | | | | | | | | | | |
| THOMAS JEFFERSON LAB | NI | | 1,000 | 0.001 | | | | 0 | 0.000 | |
| TITAN READY MIX - SKIFFE'S CREEK | NI | | 7,000 | 0.007 | | | | 0 | 0.000 | |
| York County | | | | | | | | | | |
| COLONIAL CENTRAL KOA | 600 | 50 | 30,000 | 0.030 | PIERCE'S PITT BAR-B-QUE | 100 | 50 | 5,000 | 0.005 | |
| KOA CAMPGROUNDS-HIGH GROUND | 40 | 50 | 2,000 | 0.002 | WALLER MILL PARK | 250 | 5 | 1,250 | 0.001 | |
| KOA CAMPGROUNDS-WILLIAMSBURG | 400 | 50 | 20,000 | 0.020 | | | | 0 | 0.000 | |
| NEW QUARTER PARK | 100 | 50 | 5,000 | 0.005 | | | | 0 | 0.000 | |
| SUBWAY WOODFIN CONVENIENCE STORE | 47 | 50 | 2,350 | 0.002 | | | | 0 | 0.000 | |
| | | | 0 | 0.000 | | | | 0 | 0.000 | |
| Peninsula sub-region : Outside Service Area Totals | | 8,189 | | 257,891 | 0.258 | Peninsula sub-region: Within Service Area Totals | | 4,575 | 215,550 | 0.216 |
| Notes or Comments: | | | | | | | | | | |

(This page intentionally left blank.)