

APWC Stream Testing - Aquashicola Watershed

Kunkletown Rod & Gun Club

| Site ID | Kun R&G | Kun R&G | Kun R&G | Kun R&G | Kun R&G | Kun R&G | Kun R&G | Kun R&G | Kun R&G | Kun R&G | Kun R&G | Kun R&G | Kun R&G | Kun R&G | Kun R&G | Kun R&G | Kun R&G | Kun R&G | Kun R&G | Kun R&G | Kun R&G | Kun R&G | Kun R&G | Kun R&G |
|-------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Stream Name | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash |
| Date | 09/30/05 | 11/27/05 | 12/30/2005 | 1/30/2006 | 2/28/2006 | 4/3/2006 | 5/31/2006 | 7/28/2006 | 8/31/2006 | 9/20/2006 | 10/19/2006 | 12/12/2006 | 1/13/2007 | 2/13/2007 | 4/24/2007 | 5/21/2007 | 6/22/2007 | 7/31/2007 | 8/29/2007 | 9/26/2007 | 10/22/2007 | 11/28/2007 | 12/29/2007 | 1/30/2008 |
| Time | | | | | | | 1:20pm | 7:00pm | 1:40pm | 11:50 | 12:40pm | 10:55am | | 10:55 | 5:00pm | 5:15pm | 2:35pm | 5:45pm | 7:50 | 4:19pm | 1:30pm | 12:30pm | 12:00 | 3:00 |
| GPS | Lat 40°50'29"N Long 75°25'24"W | Lat 40°50'29"N Long 75°25'24"W | Lat 40°50'29"N Long 75°25'24"W | Lat 40°50'29"N Long 75°25'24"W | Lat 40°50'29"N Long 75°25'24"W | Lat 40°50'29"N Long 75°25'24"W | Lat 40°50'29"N Long 75°25'24"W | Lat 40°50'29"N Long 75°25'24"W | Lat 40°50'29"N Long 75°25'24"W | Lat 40°50'29"N Long 75°25'24"W | Lat 40°50'29"N Long 75°25'24"W | Lat 40°50'29"N Long 75°25'24"W | Lat 40°50'29"N Long 75°25'24"W | Lat 40°50'29"N Long 75°25'24"W | Lat 40°50'29"N Long 75°25'24"W | Lat 40°50'29"N Long 75°25'24"W | Lat 40°50'29"N Long 75°25'24"W | Lat 40°50'29"N Long 75°25'24"W | Lat 40°50'29"N Long 75°25'24"W | Lat 40°50'29"N Long 75°25'24"W | Lat 40°50'29"N Long 75°25'24"W | Lat 40°50'29"N Long 75°25'24"W | Lat 40°50'29"N Long 75°25'24"W | Lat 40°50'29"N Long 75°25'24"W |

Riparian Score
Riffle Score

| Weather | Clear | Part Cloud | Part Cloud | Sunny | Sunny | OvrCast | | | | | | | | Lt. Snow | Sunny | Sunny | Clear | Sunny | Clear | Clear | Sunny | Sunny | Sunny | Sunny |
|----------------------|-------|------------|------------|-------|-------|---------|------|------|------|------|-----|------|------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Air Temp.(°C) | 23.3 | 6.7 | 6.2 | 17.7 | 13.3 | 9.8 | 28.9 | 25.6 | 21.7 | 16 | 14 | 13 | 11.1 | 0 | 27.8 | 18.9 | 24.4 | 29.4 | 22.2 | 28.9 | 23.9 | 8.3 | 10.6 | 5.56 |
| Stream Temp.(°C) | 14.6 | 5.3 | 5.1 | 7.3 | | 10.5 | 21.1 | 20.6 | 17.2 | 15 | 12 | 7 | 6.7 | 1.6 | 15 | 16.1 | 18.9 | 23.2 | 20 | 19.4 | 14.4 | 6.7 | 5.56 | 4.44 |
| Water Color | | | | | | | | | | | | | | | | | | | | | | | | |
| Water Odor | | | | | | | | | | | | | | | | | | | | | | | | |
| Water Depth | .5ft | .78ft | 1.0ft | 1.2ft | 0.7 | 0.5 | 1.14 | 0.67 | 1.12 | 0.73 | 0.8 | 1 | 1.38 | 0.75 | 1.38 | 0.83 | 0.7 | ND | 0.58 | 0.375 | 0.58 | 1.46 | 1.2 | 0.88 |
| Volume of Flow (cfs) | | | | | | | | | | | | | | | | | | | | | | | | |
| Dissolved Oxygen | | | | | | | | | | | | | | | | | | | | | | | | |
| Conductivity us/cm | 167 | 137 | 118 | 116 | | 145 | 135 | 150 | 163 | 147 | 128 | 127 | 101 | 143 | 106 | 138 | 154 | 176 | 161 | 160 | 165 | 116 | 116 | 127 |
| pH Field / Lab | 7.5 | 5.96 | 6.7 | 6.3 | 7.14L | 7.95 | 8.3 | 7.27 | 7.8 | 7.8 | 7.1 | 7.04 | 6.5 | 7 | 6.68 | 7.12 | 7.4 | 7.7 | 7.32 | 7.92 | 7.9 | 6.3 | 5.9 | 6.55 |
| TDS (ppm) | 83 | 68 | 58 | 56 | | 72 | 67 | 74 | 81 | 74 | 62 | 60 | 50 | 71 | 52 | 69 | 77 | 88 | 80 | 80 | 81 | 57 | 58 | 65 |
| Sample Pulled(YorN) | | | | | | | | | | | | | | | | | | | | | | | | |

Stream bank to bank

Total Hardness
Total Alkalinity
Nitrate + Nitrite as N
Nitrate NO3
Nitrite NO2
Ammonia NH3
Total Phosphorus
Chlorides
Total Acidity
T.S.S.
Fecal Coliform

Comments:

| Site ID | Kun R&G | Kun R&G | Kun R&G | Kun R&G | Kun R&G | Kun R&G | Kun R&G | Kun R&G | Kun R&G | Kun R&G | Kun R&G | Kun R&G | Kun R&G | Kun R&G | Kun R&G | Kun R&G | Kun R&G | Kun R&G | Kun R&G | Kun R&G | Kun R&G | Kun R&G | Kun R&G | Kun R&G |
|-------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Stream Name | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash |
| Date | 2/29/2008 | 3/25/2008 | 4/23/2008 | 5/28/2008 | 6/29/2008 | 7/30/2008 | 8/28/2008 | 9/30/2008 | 10/31/2008 | 11/24/2009 | 12/30/2008 | 2/27/2009 | 3/21/2009 | 4/29/2009 | 5/24/2009 | 6/29/2009 | 7/16/2009 | 8/20/2009 | 9/22/2009 | 10/30/2009 | 11/25/2009 | 1/20/2010 | 3/25/2010 | 4/29/2010 |
| Time | 1:35 | 5:08 | 7:00pm | | | 6:55pm | 2:15pm | 10:20 | 3:10pm | 4:40pm | 1:40pm | 4:00pm | 1:04pm | 3:15pm | 3:50pm | 3:30pm | 8:25pm | | | | | | | 11:20am |
| GPS | Lat 40°50'29"N Long 75°25'24"W | Lat 40°50'29"N Long 75°25'24"W | Lat 40°50'29"N Long 75°25'24"W | Lat 40°50'29"N Long 75°25'24"W | Lat 40°50'29"N Long 75°25'24"W | Lat 40°50'29"N Long 75°25'24"W | Lat 40°50'29"N Long 75°25'24"W | Lat 40°50'29"N Long 75°25'24"W | Lat 40°50'29"N Long 75°25'24"W | Lat 40°50'29"N Long 75°25'24"W | Lat 40°50'29"N Long 75°25'24"W | Lat 40°50'29"N Long 75°25'24"W | Lat 40°50'29"N Long 75°25'24"W | Lat 40°50'29"N Long 75°25'24"W | Lat 40°50'29"N Long 75°25'24"W | Lat 40°50'29"N Long 75°25'24"W | Lat 40°50'29"N Long 75°25'24"W | Lat 40°50'29"N Long 75°25'24"W | Lat 40°50'29"N Long 75°25'24"W | Lat 40°50'29"N Long 75°25'24"W | Lat 40°50'29"N Long 75°25'24"W | Lat 40°50'29"N Long 75°25'24"W | Lat 40°50'29"N Long 75°25'24"W | Lat 40°50'29"N Long 75°25'24"W |

Riparian Score
Riffle Score

| Weather | Cloudy | Sunny | Sunny | | | | | Overcast | Sunny | Clear | | | | Cloudy | sunny | sunny | sunny | sunny | | overcast & humid | Cloudy & damp | light rain | cloudy | clear | clear |
|----------------------|--------|-------|-------|------|------|------|------|----------|-------|-------|------|-----|------|--------|-------|-------|-------|-------|------|------------------|---------------|------------|--------|-------|-------|
| Air Temp.(°C) | 2.22 | 10 | 19.4 | 22.2 | 25 | 26.6 | 26.1 | 15 | 18.9 | 8.33 | 8.3 | 5 | 4.2 | 10 | 20 | 24.16 | 26.3 | 27.8 | 24.5 | 22.6 | 15.5 | 15.6 | 5.4 | 16.2 | 15.4 |
| Stream Temp.(°C) | 3.33 | 7.78 | 16.7 | 15.6 | 20 | 21.6 | 19.4 | 14.4 | 9.44 | 5 | 5 | | | 7.9 | 18.1 | 16 | 17.6 | 19.5 | 20.8 | 16.1 | 11.3 | 10.2 | 5.1 | 10.1 | 10.6 |
| Water Color | | | | | | | | | | | | | | | | | | | | | | | | | |
| Water Odor | | | | | | | | | | | | | | | | | | | | | | | | | |
| Water Depth | 1.5 | 1.46 | 1 | 0.91 | 1.3 | 1.16 | 1.08 | 1.2 | 1.29 | 0.83 | 1.4 | NM | 1.33 | 1.42 | 1.17 | 1.92 | 1.5 | 1.3 | 15" | 17" | 15" | 16" | 17" | 17" | |
| Volume of Flow (cfs) | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dissolved Oxygen | | | | | | | | | | | | | | | | | | | | | | | | | |
| Conductivity us/cm | 115 | 113 | 136 | 120 | 133 | 148 | 147 | 116 | 103 | 108 | 72 | 156 | 101 | 116 | 102 | 129 | 144 | 160 | 151 | 113 | 128 | 134 | 104 | 146 | |
| pH Field / Lab | 5.88 | 6.56 | 7.73 | 6.71 | 7.68 | 7.62 | 8.18 | 7.16 | 6.86 | 7.37 | 6.56 | 7.2 | 7.43 | 7.21 | 6.66 | 6.88 | 7.8 | 7.34 | 7.58 | 6.41 | 6.47 | 5.83 | 6.08 | 6.73 | |
| TDS (ppm) | 57 | 57 | 68 | 61 | 70 | 79 | 79 | 62 | 59 | 58 | 37 | 78 | 55 | 62 | 54 | 63 | 71 | 80 | 75 | 56 | 64 | 67 | 52 | 75 | |
| Sample Pulled(YorN) | | | | | | | | | | | | | | | | | | | | | | | | | |

Total Hardness
Total Alkalinity
Nitrate + Nitrite as N
Nitrate NO3
Nitrite NO2
Ammonia NH3
Total Phosphorus
Chlorides
Total Acidity
T.S.S.
Fecal Coliform

Comments:

APWC Stream Testing - Aquashicola Watershed

Lange

| Site ID | Lange | Lange | Lange | Lange | Lange | Lange | Lange | Lange | Lange | Lange | Lange | Lange | Lange | Lange | Lange | Lange | Lange | Lange | Lange | Lange | Lange | Lange | Lange |
|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------|
| Stream Name | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash |
| Date | 06/30/06 | 07/21/06 | 8/28/2006 | 9/30/2006 | 11/25/2006 | 1/29/2007 | 3/12/2007 | 4/11/2007 | 5/17/2007 | 6/18/2007 | 7/17/2007 | 8/25/2007 | 9/27/2007 | 10/16/2007 | 11/6/2007 | 12/18/2007 | 1/22/2008 | 2/28/2008 | 3/26/2008 | 4/29/2008 | 5/28/2008 | 6/26/2008 | |
| Time | | | 5:00pm | | | | | | 4:30pm | 16:45 | | | | | | | | | | | | | |
| GPS | L4805147N L48792068W | L4805147N L48792068W | L4805147N L48792068W | L4805147N L48792068W | L4805147N L48792068W | L4805147N L48792068W | L4805147N L48792068W | L4805147N L48792068W | L4805147N L48792068W | L4805147N L48792068W | L4805147N L48792068W | L4805147N L48792068W | L4805147N L48792068W | L4805147N L48792068W | L4805147N L48792068W | L4805147N L48792068W | L4805147N L48792068W | L4805147N L48792068W | L4805147N L48792068W | L4805147N L48792068W | L4805147N L48792068W | L4805147N L48792068W | |
| Riparian Score | | | | | | | | | | | | | | | | | | | | | | | |
| Riffle Score | | | | | | | | | | | | | | | | | | | | | | | |
| Weather | Sunny | Sunny | Sunny | | | | | | | | Sunny | | | | | | | | | | | | |
| Air Temp.(°C) | 26 | 29.4 | | | | | | | | 18.3 | 28.9 | | | | | | | | | | | | |
| Stream Temp.(°C) | 16.8 | | 18.9 | 11.1 | 7.5 | 3 | 6.5 | 10 | 16.3 | 30.6 | 20.4 | 21.5 | 21.5 | 18.8 | 13.4 | 9.6 | 3.5 | 2.6 | 3.1 | 9.9 | 13.9 | 16.7 | 18.3 |
| Water Color | | | | | | | | | | | | | | | | | | | | | | | |
| Water Odor | | | | | | | | | | | | | | | | | | | | | | | |
| Water Depth | Flood | 1.2 ft | 1.1 ft | 1 ft | 1.1 | 1.1 | 1.6 | 1 | 1 | 0.7 | 0.62 | 1.6 | 0.62 | 0.5 | 0.6 | 0.8 | 0.8 | 1.8 | 1.24 | 0.9 | 0.8 | 0.6 | |
| Volume of Flow (cfs) | | | | | | | | | | | | | | | | | | | | | | | |
| Dissolved Oxygen | | | | | | | | | | | | | | | | | | | | | | | |
| Conductivity us/cm | 105 | 176 | 198 | 197 | 123 | 166 | 180 | 147 | 163 | 194 | 203 | 194 | 208 | 205 | 181 | 156 | 158 | 135 | 136 | 150 | 145 | 193 | |
| pH Field / Lab | 6.4 | 6.8 | 7.1 | 6.93 | ? | ? | 7 | 7.97 | 7.72 | 7.67 | 7.73 | 8.1 | 7.48 | 7.28 | 7.26 | 7.56 | 7.15 | 7.23 | 7.31 | 7.65 | 7.64 | 8 | |
| TDS (ppm) | 52 | 88 | 99 | 97 | 60 | 83 | 90 | 73 | 81 | 97 | 102 | 97 | 104 | 105 | 90 | 77 | 79 | 70 | 68 | 75 | 72 | 97 | |
| Sample Pulled(YorN) | | | | | | | | | | | | | | | | | | | | | | | |
| Total Hardness | | | | | | | | | | | | | | | | | | | | | | | |
| Total Alkalinity | | | | | | | | | | | | | | | | | | | | | | | |
| Nitrate + Nitrite as N | | | | | | | | | | | | | | | | | | | | | | | |
| Nitrate NO3 | | | | | | | | | | | | | | | | | | | | | | | |
| Nitrite NO2 | | | | | | | | | | | | | | | | | | | | | | | |
| Ammonia NH3 | | | | | | | | | | | | | | | | | | | | | | | |
| Total Phosphorus | | | | | | | | | | | | | | | | | | | | | | | |
| Chlorides | | | | | | | | | | | | | | | | | | | | | | | |
| Total Acidity | | | | | | | | | | | | | | | | | | | | | | | |
| T.S.S. | | | | | | | | | | | | | | | | | | | | | | | |
| Fecal Coliform | | | | | | | | | | | | | | | | | | | | | | | |

*ph with paper
5.8

| Site ID | Lange | Lange | Lange | Lange | Lange | Lange | Lange | Lange | Lange | Lange | Lange | Lange | Lange | Lange | Lange | Lange | Lange | Lange | Lange | Lange | Lange | Lange | |
|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--|
| Stream Name | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | Aquash | |
| Date | 7/16/2008 | 8/22/2008 | 9/23/2008 | 10/29/2008 | 11/28/2008 | 1/6/2009 | 2/11/2009 | 3/15/2009 | 4/16/2009 | 5/15/2009 | 6/17/2009 | 7/28/2009 | 8/17/2009 | 9/24/2009 | 10/23/2009 | 2/19/2010 | 3/10/2010 | 4/22/2010 | 5/18/2010 | 6/15/2010 | 8/25/2010 | | |
| Time | | | | | | | | | | | | | | | | | | | | | | | |
| GPS | L4805147N L48792068W | L4805147N L48792068W | L4805147N L48792068W | L4805147N L48792068W | L4805147N L48792068W | L4805147N L48792068W | L4805147N L48792068W | L4805147N L48792068W | L4805147N L48792068W | L4805147N L48792068W | L4805147N L48792068W | L4805147N L48792068W | L4805147N L48792068W | L4805147N L48792068W | L4805147N L48792068W | L4805147N L48792068W | L4805147N L48792068W | L4805147N L48792068W | L4805147N L48792068W | L4805147N L48792068W | L4805147N L48792068W | L4805147N L48792068W | |
| Riparian Score | | | | | | | | | | | | | | | | | | | | | | | |
| Riffle Score | | | | | | | | | | | | | | | | | | | | | | | |
| Weather | | | | | | | | | | | | | | | | | | | | | | | |
| Air Temp.(°C) | | | | | | | | | | | | | | | | | | | | | | | |
| Stream Temp.(°C) | 20.2 | 20.4 | 16.7 | 8 | 6.4 | 3.8 | 7.6 | 10 | 14.6 | 18.2 | 15 | 18.6 | 20.8 | 18.4 | 11.8 | 6.3 | 10 | 15.5 | 10.5 | 19.5 | 16.6 | | |
| Water Color | | | | | | | | | | | | | | | | | | | | | | | |
| Water Odor | | | | | | | | | | | | | | | | | | | | | | | |
| Water Depth | 0.7 | 0.45 | 0.6 | 0.6 | 0.7 | | 0.7 | 1 | 0.8 | 1.2 | 0.6 | 0.7 | 0.5 | 0.7 | 0.7 | 0.7 | 1.5 | 1.3 | 1.4 | 1.2 | 0.7 | | |
| Volume of Flow (cfs) | | | | | | | | | | | | | | | | | | | | | | | |
| Dissolved Oxygen | | | | | | | | | | | | | | | | | | | | | | | |
| Conductivity us/cm | 202 | 199 | 205 | 165 | 206 | 139 | 185 | 190 | 172 | 150 | 181 | 199 | 218 | 190 | 209 | 185 | 163 | 172 | 147 | 202 | 222 | | |
| pH Field / Lab | 8.38 | 8 | 7.9 | 6.93 | 7.15 | 7.28 | 7.24 | 7.88 | 7.65 | 7.3 | 7.8 | 7.45 | 7.74 | 7.62 | 7.19 | 7.35 | 7.38 | 7.62 | 6.48 | 7.49 | 7.57 | | |
| TDS (ppm) | 100 | 99 | 102 | 82 | 103 | 69 | 92 | 94 | 86 | 75 | 90 | 99 | 108 | 94 | 105 | 91 | 81 | 86 | 73 | 101 | 111 | | |
| Sample Pulled(YorN) | | | | | | | | | | | | | | | | | | | | | | | |
| Total Hardness | | | | | | | | | | | | | | | | | | | | | | | |
| Total Alkalinity | | | | | | | | | | | | | | | | | | | | | | | |
| Nitrate + Nitrite as N | | | | | | | | | | | | | | | | | | | | | | | |
| Nitrate NO3 | | | | | | | | | | | | | | | | | | | | | | | |
| Nitrite NO2 | | | | | | | | | | | | | | | | | | | | | | | |
| Ammonia NH3 | | | | | | | | | | | | | | | | | | | | | | | |
| Total Phosphorus | | | | | | | | | | | | | | | | | | | | | | | |
| Chlorides | | | | | | | | | | | | | | | | | | | | | | | |
| Total Acidity | | | | | | | | | | | | | | | | | | | | | | | |
| T.S.S. | | | | | | | | | | | | | | | | | | | | | | | |
| Fecal Coliform | | | | | | | | | | | | | | | | | | | | | | | |

Comments:

APWC Stream Testing - Aquashicola Watershed

Russell

| Site ID | Russell Aquashicola | Russell Aquashicola | Russell Aquashicola | Russell Aquash | Russell Aquash | Russell Aquash | Russell Aquash | Russell Aquash | Russell Aquash | Russell Aquash | Russell Aquash | Russell Aquash | Russell Aquash | Russell Aquash | Russell Aquash | Russell Aquash | Russell Aquash | Russell Aquash | Russell Aquash | Russell Aquash |
|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Stream Name | | | | | | | | | | | | | | | | | | | | |
| Date | 09/30/05 | 11/27/06 | 1/29/2007 | 3/12/2007 | 4/11/2007 | 5/17/2007 | 6/18/2007 | 7/17/2007 | 8/25/2007 | 9/27/2007 | 10/16/2007 | 11/6/2007 | 12/18/2007 | 1/22/2008 | 2/28/2008 | 3/26/2008 | 4/29/2008 | 5/28/2008 | 6/26/2008 | 7/16/2008 |
| Time | | | | | | | 16:00 | | | | | | | | | | | | | |
| GPS | L84075085N L0792429W | L84075085N L0792429W | L84075085N L0792429W | L84075085N L0792429W | L84075085N L0792429W | L84075085N L0792429W | L84075085N L0792429W | L84075085N L0792429W | L84075085N L0792429W | L84075085N L0792429W | L84075085N L0792429W | L84075085N L0792429W | L84075085N L0792429W | L84075085N L0792429W | L84075085N L0792429W | L84075085N L0792429W | L84075085N L0792429W | L84075085N L0792429W | L84075085N L0792429W | L84075085N L0792429W |
| Riparian Score | | | | | | | | | | | | | | | | | | | | |
| Riffle Score | | | | | | | | | | | | | | | | | | | | |
| Weather | | | | | | | | Sunny | Sunny | | | | | | | | | | | |
| Air Temp.(°C) | | | | | | | 18.3 | 30.6 | 28.9 | | | | | | | | | | | |
| Stream Temp.(°C) | 12.4 | 7.8 | 2.6 | 5.4 | 8.7 | 16.4 | 22 | 23.2 | 21.6 | 20.4 | 14.1 | 9 | 2.5 | 1.8 | 2.5 | 9 | 11.3 | 13 | 20 | 22.5 |
| Water Color | | | | | | | | | | | | | | | | | | | | |
| Water Odor | | | | | | | | | | | | | | | | | | | | |
| Water Depth | 66 ft | 1 | 1.1 | 1.15 | 0.8 | 0.76 | 0.6 | 0.48 | 0.51 | 0.4 | 0.6 | 0.7 | 0.6 | 0.7 | 1.4 | 1.1 | 1 | 1 | 0.8 | 0.75 |
| Volume of Flow (cfs) | | | | | | | | | | | | | | | | | | | | |
| Dissolved Oxygen | | | | | | | | | | | | | | | | | | | | |
| Conductivity us/cm | 140 | 111 | 130 | 140 | 120 | 131 | 150 | 158 | 160 | 167 | 164 | 161 | 126 | 127 | 115 | 112 | 110 | 117 | 149 | 149 |
| pH Field / Lab | 7.46 | ? | ? | 6.96 | 7.61 | 7.26 | 7.75 | 7.82 | 7.7 | 7.76 | 7.51 | 7.61 | 7.6 | 7.48 | 6.86 | 7.6 | 7.35 | 7.53 | 7.87 | 7.55 |
| TDS (ppm) | 70 | 54 | 65 | 73 | 60 | 65 | 74 | 79 | 80 | 83 | 82 | 80 | 62 | 63 | 57 | 55 | 55 | 59 | 74 | 74 |
| Sample Pulled(YorN) | | | | | | | | | | | | | | | | | | | | |
| Total Hardness | | | | | | | | | | | | | | | | | | | | |
| Total Alkalinity | | | | | | | | | | | | | | | | | | | | |
| Nitrate + Nitrite as N | | | | | | | | | | | | | | | | | | | | |
| Nitrate NO3 | | | | | | | | | | | | | | | | | | | | |
| Nitrite NO2 | | | | | | | | | | | | | | | | | | | | |
| Ammonia NH3 | | | | | | | | | | | | | | | | | | | | |
| Total Phosphorus | | | | | | | | | | | | | | | | | | | | |
| Chlorides | | | | | | | | | | | | | | | | | | | | |
| Total Acidity | | | | | | | | | | | | | | | | | | | | |
| T.S.S. | | | | | | | | | | | | | | | | | | | | |
| Fecal Coliform | | | | | | | | | | | | | | | | | | | | |

| Site ID | Russell Aquash | Russell Aquash | Russell Aquash | Russell Aquash | Russell Aquash | Russell Aquash | Russell Aquash | Russell Aquash | Russell Aquash | Russell Aquash | Russell Aquash | Russell Aquash | Russell Aquash | Russell Aquash | Russell Aquash | Russell Aquash | Russell Aquash | Russell Aquash | Russell Aquash | Russell Aquash |
|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Stream Name | | | | | | | | | | | | | | | | | | | | |
| Date | 8/22/2008 | 9/23/2008 | 10/29/2008 | 11/28/2008 | 1/1/2009 | 2/11/2009 | 3/15/2009 | 4/16/2009 | 5/15/2009 | 6/17/2009 | 7/28/2009 | 8/17/2009 | 9/24/2009 | 10/23/2009 | 2/19/2010 | 3/10/2010 | 4/22/2010 | 5/18/2010 | 6/15/2010 | 8/25/2010 |
| Time | | | | | | | | | | | | | | | | | | | | |
| GPS | L84075085N L0792429W | L84075085N L0792429W | L84075085N L0792429W | L84075085N L0792429W | L84075085N L0792429W | L84075085N L0792429W | L84075085N L0792429W | L84075085N L0792429W | L84075085N L0792429W | L84075085N L0792429W | L84075085N L0792429W | L84075085N L0792429W | L84075085N L0792429W | L84075085N L0792429W | L84075085N L0792429W | L84075085N L0792429W | L84075085N L0792429W | L84075085N L0792429W | L84075085N L0792429W | L84075085N L0792429W |
| Riparian Score | | | | | | | | | | | | | | | | | | | | |
| Riffle Score | | | | | | | | | | | | | | | | | | | | |
| Weather | | | | | | | | | | | | | | | | | | | | |
| Air Temp.(°C) | | | | | | | | | | | | | | | | | | | | |
| Stream Temp.(°C) | 20.8 | 17.4 | 6.9 | 4.6 | 1.2 | 6.1 | 8.6 | 12.7 | 14.9 | 19 | 21.2 | 22.6 | 18.4 | 12.3 | 4.8 | 8.6 | 14.6 | 11.5 | 20.2 | 18.9 |
| Water Color | | | | | | | | | | | | | | | | | | | | |
| Water Odor | | | | | | | | | | | | | | | | | | | | |
| Water Depth | 0.7 | 0.6 | 1 | 0.6 | 1.2 | 0.9 | 0.8 | 1 | 1.2 | 0.8 | 0.8 | 1.1 | 1.2 | 1.1 | 0.95 | 1.2 | 1.5 | 1.4 | 1.1 | 1.1 |
| Volume of Flow (cfs) | | | | | | | | | | | | | | | | | | | | |
| Dissolved Oxygen | | | | | | | | | | | | | | | | | | | | |
| Conductivity us/cm | 165 | 163 | 126 | 162 | 107 | 180 | 144 | 124 | 129 | 140 | 154 | 166 | 158 | 156 | 141 | 146 | 132 | 124 | 142 | 166 |
| pH Field / Lab | 7.95 | 7.9 | 6.8 | 7.76 | 7.16 | 7.7 | 7.9 | 7.87 | 7.6 | 7.6 | 6.9 | 7.6 | 7.52 | 7.9 | 7.52 | 7.3 | 7.19 | 7.66 | 7.5 | 7.57 |
| TDS (ppm) | 82 | 81 | 62 | 79 | 53 | 80 | 72 | 62 | 64 | 70 | 77 | 83 | 79 | 78 | 70 | 73 | 67 | 62 | 71 | 83 |
| Sample Pulled(YorN) | | | | | | | | | | | | | | | | | | | | |
| Total Hardness | | | | | | | | | | | | | | | | | | | | |
| Total Alkalinity | | | | | | | | | | | | | | | | | | | | |
| Nitrate + Nitrite as N | | | | | | | | | | | | | | | | | | | | |
| Nitrate NO3 | | | | | | | | | | | | | | | | | | | | |
| Nitrite NO2 | | | | | | | | | | | | | | | | | | | | |
| Ammonia NH3 | | | | | | | | | | | | | | | | | | | | |
| Total Phosphorus | | | | | | | | | | | | | | | | | | | | |
| Chlorides | | | | | | | | | | | | | | | | | | | | |
| Total Acidity | | | | | | | | | | | | | | | | | | | | |
| T.S.S. | | | | | | | | | | | | | | | | | | | | |
| Fecal Coliform | | | | | | | | | | | | | | | | | | | | |

overcast
& it rain

Comments:

APWC Stream Testing - Aquashicola Watershed

Stump

| Site ID | Stump Aquash 06/18/06 | Stump Aquash 07/17/07 | Stump Aquash 8/25/2007 | Stump Aquash 9/27/2007 | Stump Aquash 10/16/2007 | Stump Aquash 11/6/2007 | Stump Aquash 12/18/2007 | Stump Aquash 1/23/2008 | Stump Aquash 2/28/2008 | Stump Aquash 3/26/2008 | Stump Aquash 4/29/2008 | Stump Aquash 5/28/2008 | Stump Aquash 6/26/2008 | Stump Aquash 7/16/2008 | Stump Aquash 8/22/2008 | Stump Aquash 9/23/2008 | Stump Aquash 10/29/2008 |
|-------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| <u>Stream Name</u> | | | | | | | | | | | | | | | | | |
| <u>Date</u> | | | | | | | | | | | | | | | | | |
| <u>Time</u> | | | | | | | | | | | | | | | | | |
| <u>GPS</u> | L4M952267N L0N7919977W | L4M952267N L0N7919977W | L4M952267N L0N7919977W | L4M952267N L0N7919977W | L4M952267N L0N7919977W | L4M952267N L0N7919977W | L4M952267N L0N7919977W | L4M952267N L0N7919977W | L4M952267N L0N7919977W | L4M952267N L0N7919977W | L4M952267N L0N7919977W | L4M952267N L0N7919977W | L4M952267N L0N7919977W | L4M952267N L0N7919977W | L4M952267N L0N7919977W | L4M952267N L0N7919977W | L4M952267N L0N7919977W |
| <u>Riparian Score</u> | | | | | | | | | | | | | | | | | |
| <u>Riffle Score</u> | | | | | | | | | | | | | | | | | |
| <u>Weather</u> | | | | | | | | | | | | | | | | | |
| <u>Air Temp.(°C)</u> | | | | | | | | | | | | | | | | | |
| <u>Stream Temp.(°C)</u> | 19.1 | 19 | 20.1 | 17.2 | 14 | 10 | 4.2 | 3.8 | 3.2 | 9 | 12.1 | 15.7 | 16.9 | 19.9 | 17.8 | 14.7 | 7.7 |
| <u>Water Color</u> | | | | | | | | | | | | | | | | | |
| <u>Water Odor</u> | | | | | | | | | | | | | | | | | |
| <u>Water Depth</u> | 0.6 | 0.4 | 0.8 | 0.7 | 0.8 | 1 | 1.14 | 1.2 | 1.45 | 1.2 | 1 | 1.2 | 0.8 | 0.9 | 0.65 | 1 | 1.08 |
| <u>Volume of Flow (cfs)</u> | | | | | | | | | | | | | | | | | |
| <u>Dissolved Oxygen</u> | | | | | | | | | | | | | | | | | |
| <u>Conductivity us/cm</u> | 206 | 224 | 202 | 223 | 226 | 188 | 139 | 154 | 127 | 121 | 183 | 139 | 197 | 218 | 213 | 220 | 171 |
| <u>pH Field / Lab</u> | 7.33 | 7.74 | 7.2 | 7.53 | 7.36 | 7.27 | 7.1 | 7.03 | 6.95 | 7.5 | 7.85 | 7.58 | 7.52 | 7.78 | 7.65 | 7.76 | 6.9 |
| <u>TDS (ppm)</u> | 103 | 111 | 101 | 111 | 113 | 93 | 71 | 75 | 63 | 61 | 91 | 69 | 98 | 112 | 106 | 110 | 86 |
| <u>Sample Pulled(YorN)</u> | | | | | | | | | | | | | | | | | |
| <u>Total Hardness</u> | | | | | | | | | | | | | | | | | |
| <u>Total Alkalinity</u> | | | | | | | | | | | | | | | | | |
| <u>Nitrate + Nitrite as N</u> | | | | | | | | | | | | | | | | | |
| <u>Nitrate NO3</u> | | | | | | | | | | | | | | | | | |
| <u>Nitrite NO2</u> | | | | | | | | | | | | | | | | | |
| <u>Ammonia NH3</u> | | | | | | | | | | | | | | | | | |
| <u>Total Phosphorus</u> | | | | | | | | | | | | | | | | | |
| <u>Chlorides</u> | | | | | | | | | | | | | | | | | |
| <u>Total Acidity</u> | | | | | | | | | | | | | | | | | |
| <u>T.S.S.</u> | | | | | | | | | | | | | | | | | |
| <u>Fecal Coliform</u> | | | | | | | | | | | | | | | | | |

Comments:

| Site ID | Stump Aquash 11/28/2008 | Stump Aquash 1/6/2009 | Stump Aquash 2/11/2009 | Stump Aquash 3/15/2009 | Stump Aquash 4/16/2009 | Stump Aquash 5/15/2009 | Stump Aquash 6/17/2009 | Stump Aquash 7/28/2009 | Stump Aquash 8/17/2009 | Stump Aquash 9/24/2009 | Stump Aquash 10/23/2009 | Stump Aquash 2/19/2010 | Stump Aquash 3/10/2010 | Stump Aquash 4/22/2010 | Stump Aquash 5/18/2010 | Stump Aquash 6/15/2010 | Stump Aquash 8/25/2010 |
|-------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| <u>Stream Name</u> | | | | | | | | | | | | | | | | | |
| <u>Date</u> | | | | | | | | | | | | | | | | | |
| <u>Time</u> | | | | | | | | | | | | | | | | | |
| <u>GPS</u> | L4M952267N L0N7919977W | L4M952267N L0N7919977W | L4M952267N L0N7919977W | L4M952267N L0N7919977W | L4M952267N L0N7919977W | L4M952267N L0N7919977W | L4M952267N L0N7919977W | L4M952267N L0N7919977W | L4M952267N L0N7919977W | L4M952267N L0N7919977W | L4M952267N L0N7919977W | L4M952267N L0N7919977W | L4M952267N L0N7919977W | L4M952267N L0N7919977W | L4M952267N L0N7919977W | L4M952267N L0N7919977W | L4M952267N L0N7919977W |
| <u>Riparian Score</u> | | | | | | | | | | | | | | | | | |
| <u>Riffle Score</u> | | | | | | | | | | | | | | | | | |
| <u>Weather</u> | | | | | | | | | | | | | | | | | |
| <u>Air Temp.(°C)</u> | | | | | | | | | | | | | | | | | |
| <u>Stream Temp.(°C)</u> | 6.8 | 4.1 | 7.4 | 10 | 14.7 | 17.6 | 14.9 | 18.5 | 18.7 | 17.3 | 11.6 | 6.2 | 10.2 | 15.7 | 10.5 | 19.1 | 15.6 |
| <u>Water Color</u> | | | | | | | | | | | | | | | | | |
| <u>Water Odor</u> | | | | | | | | | | | | | | | | | |
| <u>Water Depth</u> | 0.85 | 1.1 | 0.9 | 1.2 | 1.2 | 1.2 | 1.3 | 1.2 | 1 | 1.2 | 1.4 | 1.2 | 1.5 | 1.2 | 1.3 | 1.2 | 1 |
| <u>Volume of Flow (cfs)</u> | | | | | | | | | | | | | | | | | |
| <u>Dissolved Oxygen</u> | | | | | | | | | | | | | | | | | |
| <u>Conductivity us/cm</u> | 221 | 124 | 200 | 175 | 170 | 146 | 170 | 199 | 229 | 198 | 213 | 181 | 150 | 162 | 127 | 203 | 236 |
| <u>pH Field / Lab</u> | 7.11 | 7.14 | 7.03 | 7.6 | 7.65 | 7.36 | 7.62 | 7.35 | 7.57 | 7.5 | 7.36 | 7.15 | 6.63 | 7.43 | 7.09 | 7.18 | 7.35 |
| <u>TDS (ppm)</u> | 111 | 61 | 98 | 88 | 85 | 73 | 85 | 99 | 113 | 98 | 106 | 89 | 75 | 82 | 63 | 102 | 117 |
| <u>Sample Pulled(YorN)</u> | | | | | | | | | | | | | | | | | |
| <u>Total Hardness</u> | | | | | | | | | | | | | | | | | |
| <u>Total Alkalinity</u> | | | | | | | | | | | | | | | | | |
| <u>Nitrate + Nitrite as N</u> | | | | | | | | | | | | | | | | | |
| <u>Nitrate NO3</u> | | | | | | | | | | | | | | | | | |
| <u>Nitrite NO2</u> | | | | | | | | | | | | | | | | | |
| <u>Ammonia NH3</u> | | | | | | | | | | | | | | | | | |
| <u>Total Phosphorus</u> | | | | | | | | | | | | | | | | | |
| <u>Chlorides</u> | | | | | | | | | | | | | | | | | |
| <u>Total Acidity</u> | | | | | | | | | | | | | | | | | |
| <u>T.S.S.</u> | | | | | | | | | | | | | | | | | |
| <u>Fecal Coliform</u> | | | | | | | | | | | | | | | | | |

Comments: