## Friends of the Shenandoah River’s 2023 Summer Quantitative E. coli Test Results at public recreational use sites on the Main Stem, South Fork and North Fork of the Shenandoah River and the Opequon Creek

These results provide a snapshot of the E. coli bacteria concentrations at the designated sites on the date, time, and under the conditions that the water samples were collected.

<table>
<thead>
<tr>
<th>SITE ID</th>
<th>SITE DESCRIPTION</th>
<th>5/30</th>
<th>6/7</th>
<th>6/14</th>
<th>6/21</th>
<th>6/28</th>
<th>7/5</th>
<th>7/11</th>
<th>7/18</th>
<th>7/26</th>
<th>8/1</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC08</td>
<td>Main-stem Shenandoah River at Castleman’s Ferry public boat ramp, Route 7 bridge</td>
<td>35.0</td>
<td>6.3</td>
<td>17.5</td>
<td>81.3</td>
<td>108.1</td>
<td>185.0</td>
<td>39.9</td>
<td>48.0</td>
<td>32.7</td>
<td>34.4</td>
</tr>
<tr>
<td>FC05</td>
<td>Main-stem Shenandoah River at Lockes Landing public boat landing</td>
<td>54.8</td>
<td>17.5</td>
<td>76.7</td>
<td>70.8</td>
<td>56.1</td>
<td>56.5</td>
<td>36.9</td>
<td>56.3</td>
<td>37.7</td>
<td>23.8</td>
</tr>
<tr>
<td>FC01</td>
<td>Main-stem Shenandoah River at Berry’s public boat ramp, Route 50 bridge</td>
<td>17.5</td>
<td>50.4</td>
<td>45.5</td>
<td>42.0</td>
<td>68.2</td>
<td>23.1</td>
<td>24.3</td>
<td>61.3</td>
<td>27.9</td>
<td>20.7</td>
</tr>
<tr>
<td>FW35</td>
<td>Main-stem Shenandoah River at Morgan’s Ford low H2O bridge public boat landing below confluence with Manassas Run</td>
<td>41.0</td>
<td>73.3</td>
<td>67.3</td>
<td>78.9</td>
<td>52.0</td>
<td>24.6</td>
<td>41.4</td>
<td>14.6</td>
<td>17.5</td>
<td>20.7</td>
</tr>
<tr>
<td>FW35MID</td>
<td>Main-stem Shenandoah River at Morgan’s Ford low H2O bridge mid width of river</td>
<td>111.9</td>
<td>70.3</td>
<td>16.1</td>
<td>38.4</td>
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<td></td>
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<tr>
<td>FW36</td>
<td>Manassas Run upstream of confluence with main-stem Shenandoah River, just upstream of public boat landing</td>
<td>196.6</td>
<td>325.5</td>
<td>248.1</td>
<td>195.6</td>
<td>290.9</td>
<td>325.5</td>
<td>248.1</td>
<td>435.2</td>
<td>344.8</td>
<td>98.7</td>
</tr>
<tr>
<td>FW14</td>
<td>SF Shenandoah River at Front Royal public boat landing off Luray Ave.</td>
<td>20.1</td>
<td>7.5</td>
<td>22.1</td>
<td>26.2</td>
<td>101.7</td>
<td>30.1</td>
<td>19.9</td>
<td>125.9</td>
<td>7.4</td>
<td>20.7</td>
</tr>
<tr>
<td>FWAGSP</td>
<td>SF Shenandoah River @ Raymond R. “Andy” Guest Jr., Shenandoah River State Park</td>
<td>6.3</td>
<td>17.5</td>
<td>14.8</td>
<td>9.7</td>
<td>63.3</td>
<td>137.6</td>
<td>22.6</td>
<td>42.0</td>
<td>16.1</td>
<td>9.9</td>
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<tr>
<td>FWIH</td>
<td>SF Shenandoah River at Indian Hollow public boat launch off Indian Hollow Road</td>
<td>25.9</td>
<td>23.1</td>
<td>14.5</td>
<td>14.4</td>
<td>52.1</td>
<td>44.1</td>
<td>15.6</td>
<td>47.3</td>
<td>8.6</td>
<td>11.1</td>
</tr>
<tr>
<td>FP03</td>
<td>SF Shenandoah River at reopened White House public boat landing on east side of river, river right</td>
<td>26.2</td>
<td>21.6</td>
<td>20.1</td>
<td>40.4</td>
<td>105.0</td>
<td>37.9</td>
<td>14.8</td>
<td>36.4</td>
<td>14.4</td>
<td>13.7</td>
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<tr>
<td>FP02</td>
<td>SF Shenandoah River at Newport public boat ramp downstream of Riverside Campground/ Kite’s Store</td>
<td>27.2</td>
<td>19.9</td>
<td>16.1</td>
<td>67.0</td>
<td>133.3</td>
<td>39.3</td>
<td>10.8</td>
<td>24.6</td>
<td>5.2</td>
<td>4.2</td>
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<tr>
<td>FSMB</td>
<td>NF Shenandoah River at Meems Bottom</td>
<td>185.0</td>
<td>40.8</td>
<td>172.3</td>
<td>209.8</td>
<td>228.2</td>
<td>52.9</td>
<td>58.6</td>
<td>34.5</td>
<td>57.3</td>
<td>28.8</td>
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<tr>
<td>FSOR</td>
<td>NF Shenandoah River at Deer Rapids public boat landing</td>
<td>34.5</td>
<td>17.3</td>
<td>77.6</td>
<td>70.6</td>
<td>56.3</td>
<td>13.5</td>
<td>14.6</td>
<td>38.3</td>
<td>45.7</td>
<td>30.6</td>
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<tr>
<td>FSSP</td>
<td>NF Shenandoah River at Strasburg Park public boat landing</td>
<td>117.8</td>
<td>63.1</td>
<td>117.2</td>
<td>150.0</td>
<td>62.7</td>
<td>48.7</td>
<td>33.6</td>
<td>38.4</td>
<td>206.4</td>
<td>36.4</td>
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<tr>
<td>FCOC</td>
<td>Opequon Creek @ Neill Road ford</td>
<td></td>
<td></td>
<td></td>
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<td></td>
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<td></td>
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</tr>
</tbody>
</table>

Previously, Virginia’s water quality standard for freshwater beach advisories or closures was a single sample maximum of 235 E. coli CFU/100 ml of sample. Virginia no longer has a single, instantaneous, sample maximum or any criteria for primary recreational contact in freshwaters.

Red indicates that the E. coli concentration exceeded 235 E. coli CFU/100 ml.

Site FSMB, North Fork Shenandoah River at Meems Bottom cover bridge, - River access restricted due to bridge construction downstream

FW35 - several times the site has been dry, the water level had receded moving the bank towards site FW35MID incited by the