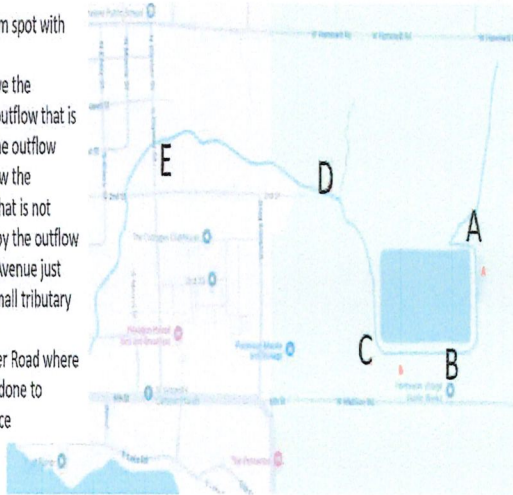


Village Creek *E. coli* Testing Summary

Village Creek Test Plan

- A – Most upstream spot with water
- B – Spot just above the treatment plant outflow that is not affected by the outflow
- C – Spot just below the treatment plant that is not directly affected by the outflow
- D – Spot on 2nd Avenue just below where a small tributary enters the creek
- E – Spot on Clymer Road where normal testing is done to provide a reference



Goal –Determine source of high *E. coli* measurements in Village Creek using multiple locations and MST testing (Microbial Source Tracking - Molecular DNA Testing)

Took five samples along the creek from its start to Clymer Street monthly from May to September.

No *E. coli* present in the Water Treatment plant effluent to the creek.

High *E. coli* levels seen at 2nd Avenue and at Clymer Street in three of five months.

In 2023 MST source tests of Clymer samples no human markers seen.

Will MST source test high current Clymer samples for human DNA and if negative will test for deer. If positive will test 2nd Avenue samples for human DNA.

Results 2025 – Village Creek

E. coli Testing

Pentwater Lake Village Creek MST Report 5/20/2025

Station	Source Testing Candidate	E. coli #cfu/100mL
A Most upstream spot	Not Needed	71
B Above plant outflow		4
C Below plant outflow		68
D 2nd Ave		248
E Below Culvert at Clymer		185

Pentwater Lake Village Creek MST Report 6/11/2025

Station	Source Testing Candidate	E. coli #cfu/100mL
A Most upstream spot	no sample	
B Above plant outflow	Not Needed	155
C Below plant outflow		461
D 2nd Ave		387
E Below Culvert at Clymer		548

Pentwater Lake Village Creek MST Report 7/16/2025

Station	Source Testing Candidate	E. coli #cfu/100mL
A Most upstream spot	no sample	
B Above plant outflow		727
C Below plant outflow	Not Needed	187
D 2nd Ave	Not Needed	75
E Below Culvert at Clymer	Not Needed	131

Pentwater Lake Village Creek MST Report 8/13/2025

Station	Source Testing Candidate	E. coli #cfu/100mL
A Most upstream spot	no sample	
B Above plant outflow	Not Needed	101
C Below plant outflow	Not Needed	63
D 2nd Ave		365
E Below Culvert at Clymer		1203

Pentwater Lake MST Village Creek Report 9/11/2025

Station	Source Testing Candidate	E. coli #cfu/100mL
A Most upstream spot	no sample	
B Above plant outflow	no sample	
C Below plant outflow	Not Needed	6
D 2nd Ave		921
E Below Culvert at Clymer		1733