

Summary of results

December 2016

Luray High School Water Testing

Water Source: Hawksbill Creek

Location: Ruffner Plaza, Luray VA

Class Earth Science
School LHS
Date 4-7-17

Testing Equipment: Low-Cost Water Monitoring Kit LaMotte (tab tests)

I. Data

Dissolved Oxygen (ppm)	Nitrate (ppm)	Phosphate (ppm)	pH	Coliform (positive or negative)
0.5 ppm (0% saturation)	4.2 ppm	1.9 ppm	7	+

Water Temperature 9 DEG C

II. Rate The Following Parameter Concentrations Below.

DO (Dissolved Oxygen)

1 (poor)
 2 (fair)
 3 (good)
 4 (excellent)

indicates no oxygen is available for aquatic animals.

Nitrate

1 (poor)
 2 (fair)
 3 (good)
 4 (excellent)

Phosphorus

1 (poor)
 2 (fair)
 3 (good)
 4 (excellent)

pH

1 (poor)
 2 (fair)
 3 (good)
 4 (excellent)

Fecal Coliform (check which one applies)

positive
 negative

The Water Is Safe (check all that apply):

for drinking
 for swimming

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positive negative

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