

Hay Creek Watershed Association Water Monitoring Report

Date and Time	Stream	Location	Observer(s)
Weather Conditions	Rainfall – last 24 hours	Air Temp - °C	Water Temp - °C

Stream Bottom Survey

Silt/Clay %	Sand %	Gravel %
Cobble %	Boulder %	Bedrock %

Chemical Data

Dissolved Oxygen (ppm)	Nitrate N	Nitrate NO3 _____ X 4.4 = _____ mg NO3/L
pH	Phosphate (ppm)	Turbidity

Wildlife Observations / Comments

Stream Velocity Data

Average Depth (measured at 3 points on a line across the stream):

(_____ ft + _____ ft + _____ ft) / 3 = _____ ft

Cross Sectional Area:

Average Depth _____ ft X Stream Width _____ ft = _____ ft²

Average Travel Time (for an orange or other similar object to travel 20 ft downstream) :

(Trial 1 _____ sec + Trial 2 _____ sec + Trial 3 _____ sec) / 3 = _____ sec

Average Stream Velocity:

20 ft / (Average Travel Time _____ sec) = _____ ft/sec

Stream Flow:

Average Velocity (_____ ft/sec X 0.8) X (Cross Sectional Area _____ ft²) = _____ ft³