

Hydrology Exceedance Curve Report

To estimate the annual water volume from the exceedance curve, we used trapezoidal integration:

For each pair of flow values (Q) and exceedance probabilities (P), we computed:

Volume = $\frac{(Q_1 + Q_2)}{2} \times (P_1 - P_2) \times T$, where T is the number of seconds in a year.

This method approximates the area under the flow duration curve.

Estimated Annual Volume: 5,580,295 m³/year

