

Streamflow Trend Analysis**Low Flow Frequency Analysis****Minimum Storage Draft-Rate****Threshold Analysis****Hydrological Drought Analysis**Daily Streamflow Data
(40 years)

Mann-Kendall

Sen's Slope

Cumulative Sum
(CUSUM)

Pettitt's Test

7 d Mean Annual
MinimumProbability
DistributionK-S
Test

Return Period

Monthly Streamflow

Cumulative 50%
Mean Annual Flow

10-year

Minimum Storage
Required

Flow Duration Curve

Probability of Excess

Threshold Level
(90th Percentile)

Pooling Procedure

7 d
Moving
AverageMinor
Drought
Removal

Drought Events

Duration

Deficit