

Base Flow Sampling 1999-2005

Black Brook

Phosphorus: Both Reactive and Total Phosphorus concentrations are much worse than the reference values. Neither has changed over the sampling period.

Nitrogen: Kjeldahl Nitrogen concentration is much worse than the reference value with no change over the sampling period. Nitrate + Nitrite and Total Nitrogen concentrations have shown a large increase over the sampling period and are now much worse than the reference values.

Suspended Solids: Suspended solid concentration is moderately worse than the reference value and has not changed over the sampling period.

Flow: Base flow has shown a large decrease over the sampling period.

Grade: D-

Loantaka Brook

Phosphorus: Both Reactive and Total Phosphorus concentrations are much worse than the reference values. There has been no change over the sampling period.

Nitrogen: Nitrate + Nitrite, Kjeldahl and Total Nitrogen are all much worse than the reference values. Nitrate + Nitrite and Total Nitrogen have decreased moderately during the sampling period. Kjeldahl Nitrogen has not changed.

Suspended Solids: Suspended solid concentration is moderately worse than reference values and has not changed over the sampling period.

Flow: Base flow has shown a moderate increase over the sampling period.

Grade: F

Great Brook

Phosphorus: Reactive Phosphorus concentration is somewhat worse than the reference value. Total Nitrogen is much worse than the reference value. Neither has changed over the sampling period.

Nitrogen: Nitrate + Nitrite concentration has shown a moderate increase over the sampling period and is now somewhat worse than the reference value. Kjeldahl Nitrogen is moderately worse than the reference value while Total Nitrogen concentration is at the reference value. Neither Kjeldahl nor Total Nitrogen concentrations have changed over the sampling period.

Suspended Solids: Suspended solid concentration is slightly above the reference value and has not changed over the sampling period.

Flow: Base flow has shown a large increase over the sampling period.

Grade: C

Primrose Brook

Phosphorus: Both Reactive and Total Phosphorus concentrations are at the reference values. There has been no change over the sampling period.

Nitrogen: Nitrate + Nitrite, Kjeldahl and Total Nitrogen concentrations are at the reference values but have all seen moderate increases over the sampling period.

Suspended Solids: Suspended solid concentration is at the reference value and has not changed over the sampling period.

Flow: Base flow has not changed over the sampling period.

Grade: A-

Passaic Inlet

Phosphorus: Both Reactive and Total Phosphorus concentrations are at the reference values. There has been no change over the sampling period.

Nitrogen: Nitrate + Nitrite and Total Nitrogen concentrations have increased over the sampling period and are now above reference values. Kjeldahl Nitrogen concentration is at the reference value and has not changed over the sampling period.

Suspended Solids: Suspended solid concentration is at the reference value and has not changed over the sampling period.

Flow: Base flow has not changed over the sampling period.

Grade: A-

[Note: Letter grades are based on the number of measures significantly worse than reference values. Plus and minus grades are given if the measures over the sampling period tend to get better (+) or worse (-).]