**Mattaponi River 2018 Archived Data**

**Upper Mattaponi**

**September 2018** monitoring data (271 dissolved oxygen and 272 temperature readings) logged dissolved oxygen levels ranging from 6.92 mg/L to 9.25 mg/L with an average of 7.46 mg/L. Water temperature ranged from 20.14 °C (68.25 °F) to 31.14 °C (88.05 °F) with an average of 22.38 °C (78.28 °F).

\*Note: Monitors for dissolved oxygen and temperature were placed in operation on September 19, 2018.

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| **September 2018** | **Dissolved Oxygen** | **Temperature** |
| Recorded Samples | 271 | 272 |
| Maximum | 9.25 mg/L | 31.14 °C |
| Minimum | 6.92 mg/L | 20.14 °C |
| Average | 7.46 mg/L | 22.38 °C |

**October 2018** monitoring data (744 dissolved oxygen and temperature readings) logged dissolved oxygen levels ranging from -0.04 mg/L to 9.99 mg/L with an average of 3.74 mg/L. Water temperature ranged from 10.6 °C (51.08 °F) to 23.5 °C (74.3 °F) with an average of 17.23 °C (63.01 °F).

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| **October 2018** | **Dissolved Oxygen** | **Temperature** |
| Recorded Samples | 744 | 744 |
| Maximum | 9.99 mg/L | 23.5 °C |
| Minimum | -0.04 mg/L | 10.6 °C |
| Average | 3.74 mg/L | 17.23 °C |

**November 2018** monitoring data (720 dissolved oxygen and temperature readings) logged dissolved oxygen levels ranging from-0.05 mg/L to 3.81 mg/L with an average of 0.35 mg/L. Water temperature ranged from 5.57 °C (42.03 °F) to 15.24 °C (59.43 °F) with an average of 9.82 °C (49.68 °F).

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| **November 2018** | **Dissolved Oxygen** | **Temperature** |
| Recorded Samples | 720 | 720 |
| Maximum | 3.81 mg/L | 15.24 °C |
| Minimum | -0.05 mg/L | 5.57 °C |
| Average | 0.35 mg/L | 9.82 °C |

**December 2018** monitoring data (744 dissolved oxygen and temperature readings) logged dissolved oxygen levels ranging from -0.05 mg/L to -0.01 mg/L with an average of -0.04 mg/L. Water temperature ranged from 2.78 °C (37.0 °F) to 8.04 °C (46.47 °F) with an average of 6.02 °C (42.84 °F).

\*Note: Monitor for dissolved oxygen was offline in December 2018.

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| **December 2018** | **Dissolved Oxygen** | **Temperature** |
| Recorded Samples | 744 | 744 |
| Maximum | -0.01 mg/L | 8.04 °C |
| Minimum | -0.05 mg/L | 2.78 °C |
| Average | -0.04 mg/L | 6.02 °C |

**Middle Mattaponi**

**September 2018** monitoring data (271 dissolved oxygen and 273 temperature readings) logged dissolved oxygen levels ranging from 3.85 mg/L to 9.83 mg/L with an average of 5.66 mg/L. Water temperature ranged from 19.88 °C (67.78 °F) to 30.34 °C (86.61 °F) with an average of 23.69 °C (74.64 °F).

\*Note: Monitors for dissolved oxygen and temperature were placed in operation on September 19, 2018.

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| **September 2018** | **Dissolved Oxygen** | **Temperature** |
| Recorded Samples | 271 | 273 |
| Maximum | 9.83 mg/L | 30.34 °C |
| Minimum | 3.85 mg/L | 19.88 °C |
| Average | 5.66 mg/L | 23.69 °C |

**October 2018** monitoring data (744 dissolved oxygen and temperature readings) logged dissolved oxygen levels ranging from 0.02 mg/L to 11.19 mg/L with an average of 4.88 mg/L. Water temperature ranged from 10.1 °C (50.18 °F) to 25.62 °C (78.12 °F) with an average of 18.41 °C (65.14 °F).

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| **October 2018** | **Dissolved Oxygen** | **Temperature** |
| Recorded Samples | 744 | 744 |
| Maximum | 11.19 mg/L | 25.62 °C |
| Minimum | 0.02 mg/L | 10.1 °C |
| Average | 4.88 mg/L | 18.41 °C |

**November 2018** monitoring data (525 dissolved oxygen and temperature readings) logged dissolved oxygen levels ranging from -0.01 mg/L to 11.4 mg/L with an average of 3.03 mg/L. Water temperature ranged from 4.66 °C (40.39 °F) to 16.26 °C (61.27 °F) with an average of 11.15 °C (52.07 °F).

\*Note: the dissolved oxygen monitor was offline from November 1-9, 2018.

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| **November 2018** | **Dissolved Oxygen** | **Temperature** |
| Recorded Samples | 525 | 525 |
| Maximum | 11.4 mg/L | 16.26 °C |
| Minimum | -0.01 mg/L | 4.66 °C |
| Average | 3.03 mg/L | 11.15 °C |

**December 2018** monitoring data (744 dissolved oxygen and temperature readings) logged dissolved oxygen levels ranging from 2.37 mg/L to 13.01 mg/L with an average of 11.38 mg/L. Water temperature ranged from 1.92 °C (35.46 °F) to 9.04 °C (48.27 °F) with an average of 5.71 °C (42.28 °F).

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| **December 2018** | **Dissolved Oxygen** | **Temperature** |
| Recorded Samples | 744 | 744 |
| Maximum | 13.01 mg/L | 9.04 °C |
| Minimum | 2.37 mg/L | 1.92 °C |
| Average | 11.38 mg/L | 5.71 °C |

**Lower Mattaponi**

No monitoring in 2018.