|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Variable** | **Change Point** | **Sen’s Slope** | **Modified M-K (Yue & Wang 2004)** | | **Modified M-K (Hamed & Rao 1998)** | | **Mann-Kendall** | |
|  |  |  | **z** | **p** | **z** | **p** | **z** | **p** |
| TN:TP (molar) | 1996 | 0.027 | **6.05** | **< 0.0001** | **4.95** | **< 0.0001** | **4.02** | **< 0.0001** |
| 0.007 | 1.69 | 0.09 | 0.68 | 0.49 | 0.77 | 0.44 |
| TDN:TDP (molar) | 1975 | 0.182 | **2.47** | **0.01** | 0.95 | 0.34 | 1.44 | 0.15 |
| -0.032 | **-5.08** | **< 0.0001** | **-1.97** | **0.049** | **-3.53** | **< 0.001** |
| PP (μg/L) | 1978 | 0.021 | 1.22 | 0.22 | 0.62 | 0.53 | 1.32 | 0.19 |
| -0.019 | **-3.89** | **< 0.001** | **-3.33** | **< 0.001** | **-6.78** | **< 0.0001** |
| chl (μg/L) | 1987 | -0.023 | **-3.45** | **< 0.001** | **-2.08** | **0.037** | **-5.02** | **< 0.0001** |
| -0.020 | **-3.59** | **< 0.001** | **-2.01** | **0.044** | **-3.71** | **< 0.001** |
| Inflow TP | N/A | -0.005 | **-5.07** | **< 0.0001** | **-3.81** | **< 0.001** | **-9.35** | **< 0.0001** |
| Inflow DIN | N/A | 0.001 | 0.15 | 0.88 | 0.10 | 0.92 | 0.34 | 0.74 |