|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Response** | **Input** | **Slope** | **R2** | **F-stat** | **df** | **p-value** | **Multiple**  **Regression** |
| ShannonFish | Precipitation | 0.056 | 0.576 | 10.885 | 2 | 0.011\* | **+ \*** |
| ShannonFish | Flashiness | 1.430 | 0.038 | 0.316 | 2 | 0.589 | **+** |
| ShannonFish | Channel Shape | 0.113 | 0.069 | 0.597 | 2 | 0.462 | **+** |
| ShannonFish | Low Flow Pulse % | -0.083 | 0.222 | 2.281 | 2 | 0.169 | **-** |
| ShannonFish | NH4+ | -13.221 | 0.326 | 3.877 | 2 | 0.084 | **-** |
| ShannonFish | Conductivity | -0.920 | 0.413 | 5.636 | 2 | 0.045\* | **-** |
| ShannonInvert | Flashiness | 8.651 | 0.061 | 0.517 | 2 | 0.493 | **+** |
| ShannonInvert | Precipitation | -0.085 | 0.057 | 0.487 | 2 | 0.505 | **-** |
| ShannonInvert | Low Flow Pulse % | -0.489 | 0.336 | 4.056 | 2 | 0.079 | **- \*** |
| ShannonInvert | NH4+ | -2.519 | 0.001 | 0.004 | 2 | 0.950 | **-** |
| ShannonInvert | Conductivity | -0.884 | 0.017 | 0.135 | 2 | 0.723 | **-** |
| ShannonInvert | Channel Shape | -0.899 | 0.193 | 1.917 | 2 | 0.204 | **-** |