Table 3a. Trend direction and significance of trends for concentration and flux at all sites and for all constituents. [NO3 C nitrate concentration; NO3 F, nitrate flux; NH3 C, ammonia concentration; NH3 F, ammonia flux; OPC, orthophosphate concentration; OPF, orthophosphate flux; KN C, Kjeldahl nitrogen concentration; KN F, Kjeldahl nitrogen flux, TP C, total phosphorus concentration; TP F, total phosphorus flux; SS C, suspended sediment concentration; SS F, suspended sediment flux; NT: no statistically significant trend, with the criteria that the value of ̂ must be ≥ 0.66.] ***See Hirsch bootstrap paper for an explanation of the ranges shown in color.***

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Site Name** | **NO3**  **C** | **NO3**  **F** | **NH3 C** | **NH3 F** | **OP C** | **OP F** | **KN C** | **KN F** | **TP C** | **TP F** | **SS C** | **SS F** |
| **IN1** | **Down** | **Down** | Up | Up | NT | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** |
| **IN3** | **Down** | **Down** | Up | Up | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** |
| **TH1** | **Down** | **Down** | Up | Up | Up | Up | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** |
| **ED9** | **Down** | **Down** | Up | NT | NT | NT | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** |
| **LH1** | **Down** | **Down** | Up | Up | **Down** | NT | **Down** | **Down** | **Down** | NT | **Down** | **Down** |
| **GL1** | **Down** | **Down** | Up | Up | Up | NT | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** |
| **TC1** | **Down** | **Down** | Up | Up | **Down** | **Down** | Up | NT | Up | Up | Up | Up |
| **TC2** | **Down** | NT | Up | Up | Up | Up | **Down** | **Down** | **Down** | **Down** | Up | Up |
| **TC3** | **Down** | NT | Up | Up | Up | Up | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** |
| **UT1** | **Down** | **Down** | Up | Up | **Down** | NT | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** |
| **UT3** | **Down** | **Down** | Up | Up | Up | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** |
| **UT5** | **Down** | **Down** | Up | Up | Up | NT | **Down** | **Down** | **Down** | **Down** | **Down** | **Down** |
| **GC1** | **Down** | **Down** | Up | Up | **Down** | **Down** | NT | NT | **Down** | **Down** | Up | NT |
| **BC1** | **Down** | **Down** | Up | Up | Up | Up | NT | NT | **Down** | NT | **Down** | **Down** |
| **WC8** | **Down** | **Down** | Up | Up | Up | Up | NT | NT | **Down** | NT | Up | NT |

Table 3b. Description of colors used in Table 3a.

|  |  |  |
| --- | --- | --- |
| Range of ̂ values | Color | Color Explanation |
| ≥ 0.95 |  | Highly likely |
| ≥ 0.9 *and* < 0.95 |  | Very likely |
| ≥ 0.66 *and* < 0.9 |  | Likely |