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| **Setup Record JSON** | **AQUATOX Simulation Setup Parameters** | **Units** |
| FirstDay | First day of simulation for integration | DateTime |
| LastDay | Last day of simulation for integration | DateTime |
| StoreStepSize | Storage step size, units depend on | Days or hours |
| StepSizeInDays | If true, storage step size unit is days; if false, hours. | bool |
| MinStepSize | Minimum step size if using adaptive step size integration | double |
| RelativeError | Relative Error if using adaptive step size integration | double |
| AverageOutput | Use trapezoidal integration to average previous time step if true; use instantaneous concentration at reported time interval if false | bool |
| ModelTSDays |  | bool |
| Spinup\_Mode |  | bool |
| NFix\_UseRatio |  | bool |
| NtoPRatio |  | double |
| Spin\_Nutrients |  | bool |
| FixStepSize |  | double |
| UseFixStepSize |  | bool |