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| **SWAT2012 Output Variable** | **Output File (Column #)** | **Notes** |
| *FLOW\_OUTcms* | output.rch (6) | Average flow rate in reach (m3/s) |
| *ORGN\_OUT* | output.rch (13) | Amount of organic nitrogen in reach (kg N) |
| *NO3\_OUT* | output.rch (17) | Amount of nitrate in reach (kg N) |
| *NH4\_OUT* | output.rch (19) | Amount of ammonium in reach (kg N) |
| *NO2\_OUT* | output.rch (21) | Amount of nitrite in reach (kg N) |
| *WTMPdegc* | output.rch (50) | Average stream temperature (°C) |
| *NO3 PERC* | output.std (“Annual Summary for Watershed in year \_ of simulation”, 15) | Amount of nitrate percolating past soil (kg/ha) |
| *NO3 CROP* | output.std (“Annual Summary for Watershed in year \_ of simulation”, 16) | Amount of nitrate uptake by plants (kg/ha) |
| *PERCOLATE* | output.std (“Annual Summary for Watershed in year \_ of simulation”, 6) | Amount of water percolating past bottom soil layer (mm) |
| *YLDt/ha* | output.hru (73) | Yearly yield for HRU (t/ha) |
| *IRRmm* | output.hru (11) | Amount of irrigation water applied to HRU (mm) |
| *AREAkm2* | output.hru (7) | Area of HRU (km2) |
| *NAUTO* | output.hru (40) | Amount of nitrogen fertilizer auto applied during the year (kg N/ha) |
| *PAUTO* | output.hru (41) | Amount of phosphorus fertilizer auto applied during the year (kg P/ha) |
| *WTEMP(C)* | output.wql (4) | Daily stream temperature |