

# SWAT+ modeling

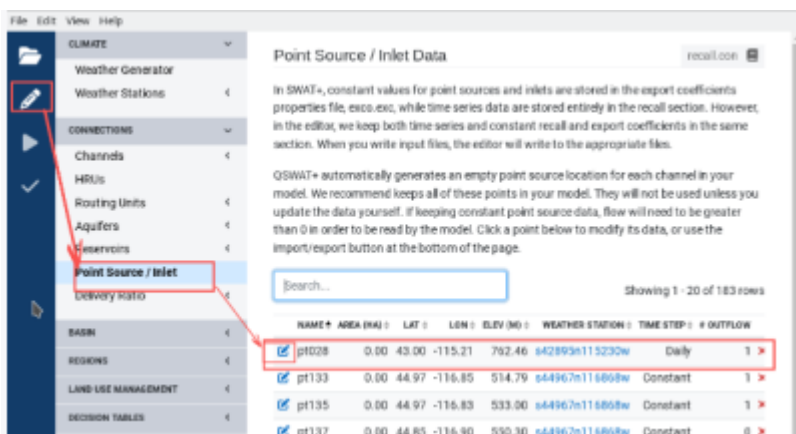
## How to add inflow hydrograph

### PointID selection for the inlet

The point ID for the inlet is defined when we prepare the SWAT+ model in QSWAT+. We can verify it in QGIS using the Identify Features tool.

### Implementation workflow using swatpluseditor

Edit SWAT+ Inputs → Point Source/Inlet → Edit Inlet Point → Set the time step to **“Daily”** and import the CSV file prepared for that specific inlet point.



To prepare the input file, we can export the empty recall file in .csv format, add the flow data (in volume, m<sup>3</sup>), and then import the updated file back into SWAT+.

Table: sample input file format for the inlet

| jday | mo | day_mo | yr   | ob_typ | ob_name | flo        | sed | orgn | sedp | no3 | solp | chla | nh3 | no2 | cbod | dox | sand | silt | clay | sag | lag | gravel | tmp |
|------|----|--------|------|--------|---------|------------|-----|------|------|-----|------|------|-----|-----|------|-----|------|------|------|-----|-----|--------|-----|
| 1    | 1  | 1      | 2005 | pt_day | pt028   | 16343154.4 | 0.0 | 0.0  | 0.0  | 0.0 | 0.0  | 0.0  | 0.0 | 0.0 | 0.0  | 0.0 | 0.0  | 0.0  | 0.0  | 0.0 | 0.0 | 0.0    | 0.0 |
| 2    | 1  | 2      | 2005 | pt_day | pt028   | 16465483.4 | 0.0 | 0.0  | 0.0  | 0.0 | 0.0  | 0.0  | 0.0 | 0.0 | 0.0  | 0.0 | 0.0  | 0.0  | 0.0  | 0.0 | 0.0 | 0.0    | 0.0 |

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