How outflow inflow work in PTM

**For channels:**

***Flow directions reverse for down nodes***

Up Node = 0 Down Node = 1

Up Node = inflow = +1 Down Node = outflow = -1

Flow at Up Node the same sign = flow

Flow at Down Node always reverses sign = flow\* (-1)

The flow can be positive or negative depending on the flow direction.

When a tidal flow reverses its direction, flow comes from down node. The flow from down node becomes positive therefore will be counted as outflow for the water body.

**For reservoirs:**

***Flow direction never been changed.***

When tidal flow reverses directions, the outflow will not be counted.