

**Additional outputs in HYDRUS-1D
(currently not supported by GUI)**

- a) Actual [M/L²/T] and cumulative [M/L²] solute fluxes for the first solute and for up to 3 top observation nodes (cv(i), Sum(cv(i)), i=1,NObs) are printed at the end (the last three columns) of the Solute1.out file when the “Print fluxes for Observation Nodes” option is selected in the “Print Information” dialog window.
- b) The NOD_INF_V.OUT file (corresponds to the NOD_INF.OUT file) is printed when vapor flow is considered. This file contains all four hydraulic conductivities and various liquid, vapor, and total fluxes for all nodes and for selected print times.

Variables printed into the NOD_INF_V.OUT file.

Variable	Description	Units
Depth	Depth	[L]
Con	Isothermal hydraulic conductivity of the liquid phase, K	[LT ⁻¹]
ConLT	Thermal hydraulic conductivity of the liquid phase, K_{lT}	[L ² K ⁻¹ T ⁻¹]
ConVh	Isothermal vapor hydraulic conductivity, K_{vh}	[LT ⁻¹]
ConVT	Thermal vapor hydraulic conductivity, K_{vT}	[L ² K ⁻¹ T ⁻¹]
vLiquid	Total liquid flow, $q_l=q_{lh}+q_{lT}$	[LT ⁻¹]
vVapor	Total vapor flow, $q_v=q_{vh}+q_{vT}$	[LT ⁻¹]
vTotal	Total water (liquid and vapor) flow, $q=q_l+q_v$	[LT ⁻¹]
vVapIso	Isothermal vapor flow, q_{vh}	[LT ⁻¹]
vVapTerm	Thermal vapor flow, q_{vT}	[LT ⁻¹]