Table 1: Input parameters required for PRMS Module: `srunoff_urban`.

[HRU: hydrologic response unit; `nhru`, number of HRUs; `ndscn`, number of disconnected storage reservoirs; `ninfstor`, number of infiltration storage reservoies; `nsegment`, number of stream-channel segments; `nlake`, number of lake HRUs]

Parameter name	Description	Dimension variable	Units	Type	Range	Default value
`imperv_stor_seep`	Fraction of impervious storage that is allowed to infiltrate	`nhru`	dimensionless	real	0.0 to 1.0	0.0
`stdrn_hru_id`	Identification number of the storm sewershed associated with an HRU	`nhru`	dimensionless	integer	-nlake to nsegment[1]	0
`imperv_stor_to_stdrn`	Fraction of impervious storage that is directed to storm drainage system	`nhru`	dimensionless	real	0.0 to 1.0	0.0
`stdrn_invert`	Invert elevation of HRU storm drain	`nhru`	`elev_units`	real	-1,000.0 to 30,000.0	9999.0[2]
`stdrn_cond`	Conductance of storm drain walls used to compute groundwater infiltration and leakage	`nhru`	inches/day	real	0.0 to 100.0	0.0
Additional parameters for when `ndscn` > 0						
`imperv_frac_dscn`	Fraction of impervious area that is disconnected	`nhru`	dimensionless	real	0.0 to 1.0	0.0
`dscn_hru_id`	Identification number of the disconnected reservoir associated with an HRU	`nhru`	dimensionless	integer	0 to `ndscn`	0
`dscn_stor_max`	Maximum disconnected retention storage	`ndscn`	inches	real	0.0 to 40.0	0.05
`dscn_evap_coef`	Fraction of unsatisfied potential evapotranspiration to apply to disconnected storage	`nhru`	dimensionless	real	0.0 to 1.0	0.0
`dscn_to_stdrn`	Fraction of disconnected storage that is directed to storm drainage	`nhru`	dimensionless	real	0.0 to 1.0	0.0
Additional parameters for when `ninfstor` > 0						
`infstor_hru_id`	Identification number of the infiltration reservoir associated with an HRU	`nhru`	dimensionless	integer	0 to `ninfstor`	0
`infstor_max`	Maximum infiltration detention storage	`ninfstor`	inches	real	0.0 to 500.0	10.0
`imperv_stor_to_infstor`	Fraction of impervious storage that is directed to infiltration storage system	`nhru`	dimensionless	real	0.0 to 1.0	0.0
`infstor_invert`	Invert elevation of infiltration detention storage reservoir	`ninfstor`	`elev_units`	real	-1,000.0 to 30,000.0	9999.0[2]
`infstor_seep_coef`	Coefficient used in linear drainage flow from infiltration storage for each HRU	`nhru`	dimensionless	real	0.0 to 1.0	0.02
`infstor_to_stdrn_coef`	Coefficient used in linear drainage flow from infiltration storage to storm drainage	`nhru`	dimensionless	real	0.0 to 1.0	0.05
Additional parameters for when `ndscn` > 0 and `ninfstor` > 0						
`dscn_to_infstor`	Fraction of disconnected storage that is directed into infiltration storage	`nhru`	dimensionless	real	0.0 to 1.0	0.0

[1] sewershed ID: < 0 to (negative) lake ID; > 0 to stream segment ID; $= 0$ to farfield.

[2] for GSFLOW simulations only. Setting to 9999.0 essentially separates from the watertable, thus only losses can occur.