update.txt

The file is located in the modeldir folder. It contains information on which subbasins should have their modelled variables updated. Flow and waterstage are updated based on observations and concentrations can be updated with a relative change of the value. This means that the values changed (e.g flow or water stage) influence the downstream areas and the rest of the simulation period. The updating function is activated through codes in info.txt, and the update.txt file is read only if asked for by the settings in info.txt. The update.txt file holds the subbasins that will be updated (the order is irrelevant). Only subbasins which are to be updated have to be listed here. For subbasins listed here that lack observations time series, the updating will have no effect.

update.txt is a tab-separated text file. The first row contains column headings, following rows hold data. Comment columns are allowed and ignored by HYPE, but the total number of columns must not exceed 20. A text column may contain at most 100 characters.

The following columns are read by HYPE:

Column ID	Format	Description
subid	*integer*	subbasin ID (mandatory)
arfact	*0-1*	AR-factor for updating method qar for discharge or war for discharge
quseobs	*0/1*	status for discharge updating with the quseobs method
qarupd	*0/1*	status for discharge updating with the qar method
warupd	*0/1*	status for discharge updating with waterstage AR-method
wendupd	*0/1*	status for waterstage updating with the wendupd method
cuseobs	*0/1*	status for concentration updating with the cuseobs method
tpcorr	*fraction*	change in SP and PP concentration out of subbasin, e.g. -0.1 for 10% reduction
tncorr	*fraction*	change in IN and ON concentration out of subbasin
tploccorr	*fraction*	change in SP and PP concentration out of local river
tnloccorr	*fraction*	change in IN and ON concentration out of local river