MgmtData.txt

This file may hold information about irrigation and water transfer.

The first row contains column headings. These may be maximum 10 characters long and may not include white space. They are read in by the program which then matches the column's data with the correct variable. The column headings may be large or small letters. Columns may be in any order. Unknown column names are skipped while reading. Such text column may contain at most 100 characters.

One row is required for each irrigated subbasin, as well as for each subbasin acting as a regional source. One row is required for each water transfer flow. Maximum one water transfer per subbasin is allowed if demanded flow water transfer time serie is used, otherwise several water transfers may originate in the same lake or end in the same subbasin.

Columns:

Column	Format	Description
`mgmttype`	*1/2*	code for type of water managment information on this row; 1=irrigation, 2=water transfer (optional if only irrigation is included in file)
`subid`	*integer*	subbasin ID (mandatory)
`gw_part`	*fraction*	fraction of irrigation water withdrawn from groundwater
`irrdam`	*0/1*	a dam in this subbasin may be used for irrigation only if irrdam is set to 1. Irrdam regulates olake and ilake for local withdrawals, but only olake for regional source withdrawals.
`regsrcid`	*integer*	the subid of the subbasin that is a regional source of irrigation water for this subbasin
`local_eff`	*fraction*	efficiency of the local irrigation network (within the subbasin). local_eff is the fraction that infiltrates the soil (must be >0, default is 1)
`region_eff`	*fraction*	efficiency of the regional irrigation network (withdrawals from another subbasin), fraction reaching the local irrigation network (must be >0, default is 1)
`demandtype`	*integer*	type of equation for irrigation water demand (1=constant, 2=soil water deficit, 3=threshold dependent).
`receiver`	*integer*	subid of subbasin receiving the water transfer (not dependent on subbasin order in GeoData)
`flow`	m^3/s	demanded constant flow water transfer (if negative, flow in Xobs.txt from output variable `dwtr` will be used)