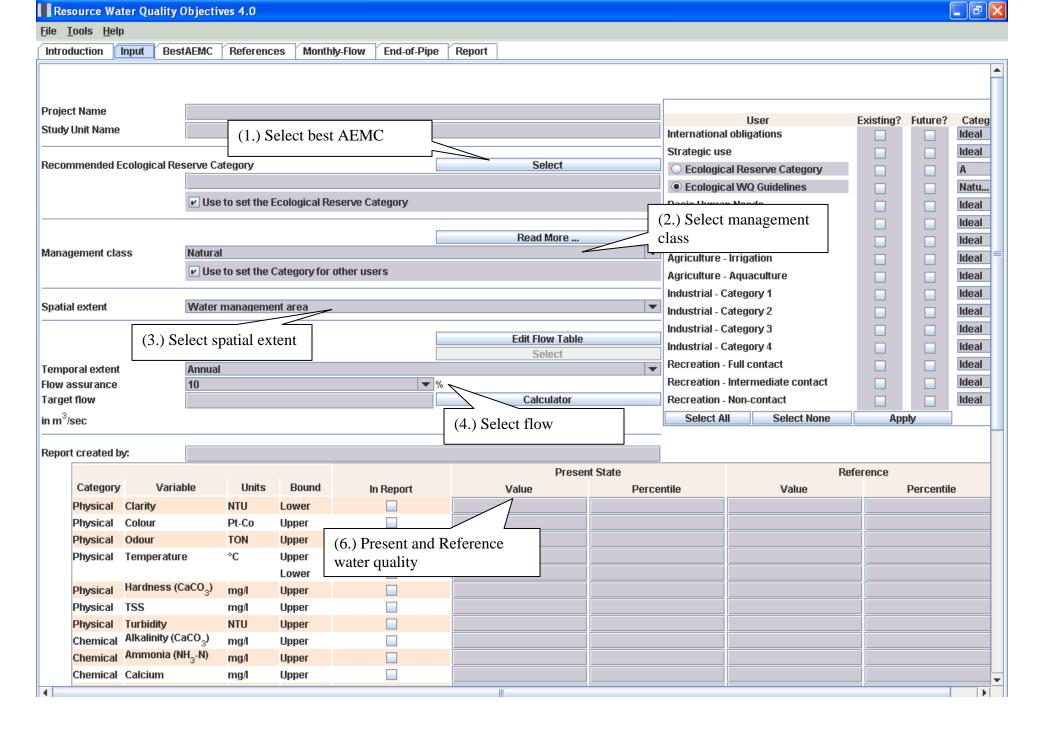


Resource Water Quality Objectives 4.0 File Tools Help New Project Open Project... Save Project Save Project As ... Save Project As ... Save report as tab delimited text Save report in comma separated format Save reference table in csv format Print... 1 C:'Documents and Settings'Dana Grobler My Documents'D Drive'RDWQMP software July 2006'RWQ Software July 2006'RWQO vs3'projects'Hex river no 1.xml 2 C:'Documents and Settings'Dana Grobler My Documents'D Drive'RDWQMP software June 2007'RWQO Model vs2'projects'Test project.xml 3 C:'Documents and Settings'Dana Grobler My Documents'D Drive'RDWQMP software June 2007'RWQO Model vs2'projects'Test for Rosalie Jan 2008.xml 4 D:'RDWQMP software June 2007'RWQO Model vs2'projects'Test for Rosalie Jan 2008.xml

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Management class

The user can choose to keep the Management Class or deselect this, to allow different Water User categories to be selected.

It of the Water Resource Classification System was completed in 2006 and a regulation, stem, is currently under consideration.

The WRCS is proposing 3 management classes:

Natural/Minimally used (Class I)- The configuration of ecological categories of the water resources within a catchment results in an overall water resource condition that is minimally altered from its pre-development condition or;

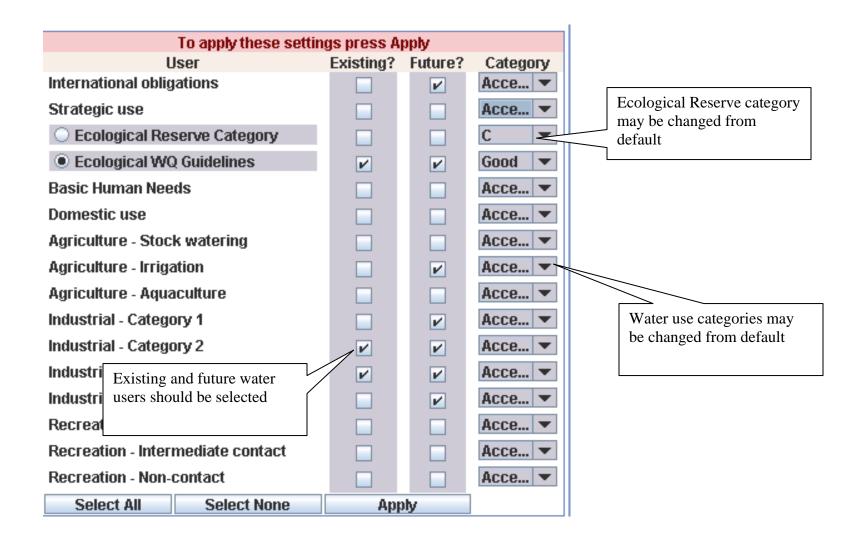
Moderately used/impacted (Class II) - The configuration of ecological categories of the water resources within a catchment results in an overall water resource condition that is moderately altered from its pre-development condition or;

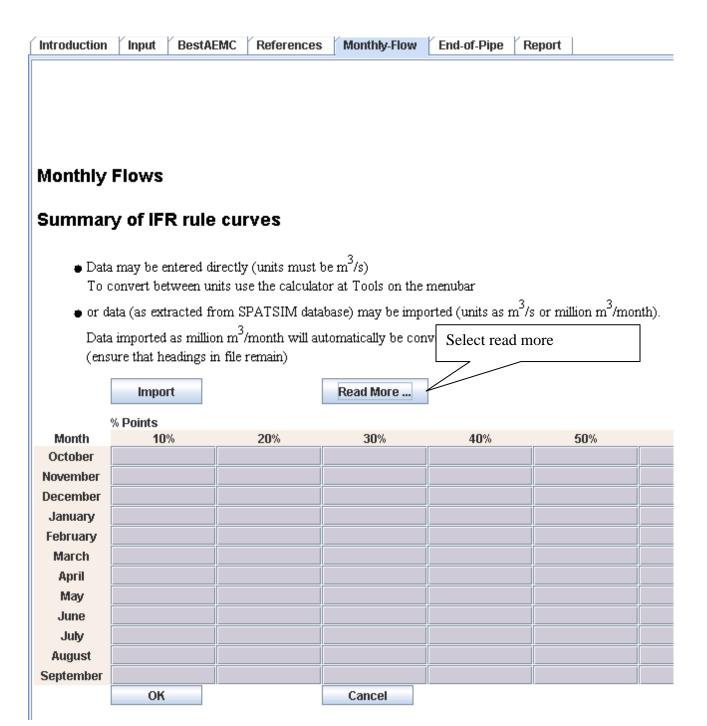
Heavily used/impacted (Class III) - The configuration of ecological categories for the water resources within a catchment results in an overall water resource condition that is significantly altered from its pre-development condition.

Upon selecting a management class (and upon ticking the button to allow the automatic selection of category for water users) the model will automatically assign the following water use requirements to the users:

Natural – Ideal (Natural will be selected for the Ecological Water Quality Guidelines)
Moderately used – Acceptable (Good will be selected for the Ecological Water Quality Guidelines)
Heavily used – Tolerable (Fair will be selected for the Ecological Water Quality Guidelines)

The automated selection can be edited by selecting from the drop down menu for each user group.





Importing rule data sets



If you import data from the .rul file generated by the new version of Spatsim (DSS model),the first rule data set will automatically be imported. These flows include the Reserve high flows.

It is however preferable to use the second rule data set (without the high flows). To create a file from from which this can be imported edit the .rul file in your favourite text editor. Delete lines, starting with the October entry of the first data set, up to and including the heading "Reserve flows without High Flows" Retain the .rul extension.

Resource Water Quality Objectives 4.0 - Eerste River.xml



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					Domestic use		Agriculture - Stock watering			Agriculture - Irrigation		
ategory	Variable	Units	Bound	Ideal	Acceptable	Tolerable	Ideal	Acceptable	Tolerable	Ideal	Acceptable	Tolerabl
Physical	Clarity	NTU	Lower									
Physical	Colour	Pt-Co	Upper									
Physical	Odour	TON	Upper									
Physical	Temperature	°C	Upper									
			Lower									
Physical	Hardness (Ca	aCO3) mg/l	Upper	200	300	600						
Physical	TSS	mg/l	Upper							50	75	
Physical	Turbidity	NTU	Upper	0.1	1	20						
Chemical	Alkalinity (Ca	CO3) mg/l	Upper									
Chemical	Ammonia (Ni	13-N) mg/l	Upper									
Chemical	Calcium	mg/l	Upper	10.00	150.00	300.00	1000.00	1500.00	2000.00			
Chemical	Chloride	mgA	Upper	100.00	200.00	600.00	1000.00	1750.00	2000.00	100.00	137.50	1
Chemical	Chlorine (OH	CI) µg/I	Upper	0.60	0.80	1.00						
			Lower	0.30	0.20	0.10						
Chemical	Conductivity	mS/m	Upper	70.00	150.00	370.00						
Chemical	Fluoride	mg/l	Upper	0.70	1.00	1.50	2.00	4.00	6.00	2.00	8.50	
Chemical	Magnesium	mg/l	Upper	70.00	100.00	200.00	500.00	750.00	1000.00			
Chemical	NO2 and NO3	mg/l	Upper	6.00	10.00	20.00						
Chemical	NO3 (NO3-N)	mg/l	Upper				100.00	250.00	400.00	5.0	17.5	
Chemical	NO3	mg/l	Upper				100.00	150.00	200.00			
Chemical	NO2	mg/l	Upper									
Chemical	TIN	mg/l	Upper									
Chemical	рH	units	Upper	9.50	10.00	10.50				8.40	8.40	
			Lower	5.00	4.50	4.00				6.50	6.50	
Chemical	Potassium	mg/l	Upper	25.00	50.00	100.00						
Chemical	PO4 as % TP	%	Upper									
Chemical	PO4	mg/l	Upper									
Chemical	SAR	mmol	Л Оррег							2	5	
Chemical	Sodium	mg/l	Upper	100.00	200.00	400.00	2000.00	2250.00	2500.00	70.00	92.50	1
Chemical	S04	mgA	Upper	200.00	400.00	600.00	1000.00	1250.00	1500.00			
Chemical	Sulphide (H29	S) mg/l	Upper									
Chemical	TDS	mgA	Upper	450.00	1000.00	2400.00	1000.00	2000.00	3000.00	40	65	
Chemical	Al	mg/l	Upper				5.00	7.50	10.00	5.00	12.50	
CII	A -			1	0.05	0.20	4.00	4.05	4.50	0.40	4.05	

