



Determination of Ecological Water Requirements for Surface Water (Rivers, Estuaries and Wetlands) and Groundwater in the Lower Orange WMA: WP10974

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SCENARIO RECOMMENDATIONS: PRELIMINARY ECOLOGICAL RESERVE CATEGORY

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REMINDER:

- Purpose of setting the preliminary Reserve is to provide management guidance that is legally binding.
- Focus is on pre-dam situation / pre Classification study (and Reserve determination) as is relevant for a Preliminary Reserve.
- > Focus on immediate implementation and management based on Preliminary Reserve.
- ➤ Recommendations therefore based on the A2/3 scenarios (i.e. what is IMMEDIATELY achievable)

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PERC RECOMMENDATIONS

EWR Site	PES	REC	PERC	Comment
О3	С	В	B/C	With current constraints, improvement only possible to B/C.
O4	С	B/C	В/С	Although EcoStatus met, all component REC not met.
O5	B/C	В	В	REC fully met
Estuary	D	С	C/D	C/D can only be achieved with non-flow related mitigation. Without a dam, flow to achieve the additional improvement to get to a C not available.

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PERC RECOMMENDATIONS

EWR Site	PERC	ASSOCIATED FLOW
О3	B/C	EWRs associated with Sc A2/3
04	B/C	EWRs associated with Sc A2/3
O5	В	EWRs associated with Sc A2/3
Estuary	C/D	No changes in flow from current

NOTE: THE RECOMMENDATION IS SYSTEM-BASED AND INTEGRATED AS IT IS LINKED TO A SCENARIO THAT IS RELEVANT FOR ALL THE EWR SITES AND THE ESTUARY

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PERC RECOMMENDATIONS

- Desktop Biophysical Nodes: Desktop nodes will require mostly non-flow related interventions to achieve the REC at the few nodes where REC is an improvement: Recommendation: REC = PERC.
- Wetlands: Wetlands not addressed through rivers: Desktop level assessment was undertaken: REC = PERC. If future developments will impact on specific high priority wetlands, then further work required.
- Groundwater: Contribution to the Reserve has been determined. Information is available to evaluate whether sufficient groundwater is available for future developments such as fracking.

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IMPLEMENTATION

CURRENT OPERATING RULES MUST BE ADJUSTED TO INCORPORATE REAL TIME IMPLEMENTATION OF THE PRELIMINARY RESERVE.

Tools which have been tested and used are available for this.

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QUESTIONS FOR CLARIFICATION

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