

Scenario name	Scenario number	Irrigation applied to land surface	Agricultural pumping	Urban pumping
No pumping	1	No	No	No
No urban pumping	2	AFSIRS ^a	85 % efficiency	No
No agricultural pumping	3	No	No	RETRO ^b CWF 13 mm yr ⁻¹ , Total 51 mm yr ⁻¹
Agricultural adaption	4	AFSIRS	85 % efficiency Groundwater pumping offset by 6 mm yr ⁻¹	RETRO CWF 13 mm yr ⁻¹ , Total 51 mm yr ⁻¹
Business as usual	5	AFSIRS	85 % efficiency	RETRO RETRO CWF 13 mm yr ⁻¹ , Total 51 mm yr ⁻¹
Increased agricultural demand	6	Increased by 6 mm yr ⁻¹	85 % efficiency	RETRO CWF 13 mm yr ⁻¹ , Total 51 mm yr ⁻¹
Relaxed regulatory requirements for urban pumping	7	AFSIRS	85 % efficiency	Increase CWF by 6 to 19 mm yr ⁻¹ CWF 19 mm yr ⁻¹ , Total 57 mm yr ⁻¹
Relaxed regulatory requirements for all pumping	8	AFSIRS	85 % efficiency	Increase all urban pumping by 130/90 CWF 19 mm yr ⁻¹ , Total 74 mm yr ⁻¹