

Estimated pumping allocations for maintaining 2016-2022 average management actions

Entity	Recorded pumping (AF)	Recorded pumping reduction (AF)	Baseline pumping (AF)	Recorded managed recharge (AF)	Total recorded management actions (AF)	Allocation for pumping not offset by managed recharge (AF)
SWID	142,466	73,344	215,810	0	73,344	142,466
ABID	164,919	9,256	168,919	0	9,256	159,663
IGWA	1,530,097	204,684	1,734,781	107,013	311,697	1,423,084
Coalition of Cities, IF, Pocatello	insufficient records	52	insufficient records	2,725	2,777	insufficient records
IWRB natural flow recharge				283,000	283,000	
IWRB donated storage recharge				32,000	32,000	
Sum		287,336		424,738	712,074	

only includes conversion volumes reported by SWID, all recharge included in IWRB recharge

Total recorded management actions do not include mitigation to the Surface Water Coalition by direct delivery of storage water.

Cities' mitigation plan members have unreported use outside of the former Water District 120 boundary. Estimated average use is ~92,000 AF/yr, but additional data are needed to verify a baseline pumping number.

The Cities' mitigation plan did not go into effect until 2019. The 2019-2022 average recorded management actions were 4,769 AF/yr

Estimated pumping allocations for maintaining 2016-2022 average management actions while shifting part of IGWA's obligation to IWRB, eliminating IWRB donated storage recharge, and including expanded ACGW areas

Entity	Baseline pumping (AF)	Management actions (AF)	Allocation for pumping not offset by managed recharge (AF)
SWID	215,810	73,344	142,466
ABID	168,919	9,256	159,663
IGWA	1,734,781	240,000	1,494,781
Coalition of Cities, IF, Pocatello	insufficient records	4,769	insufficient records
IWRB natural flow recharge		366,705	
IWRB donated storage recharge		0	
expanded ACGW	insufficient records	<i>rough est. 18,000</i>	insufficient records
Sum		712,074	

14%

estimated management actions based on estimated average baseline pumping of 130 KAF/yr and IGWA reduction %

Total recorded management actions do not include mitigation to the Surface Water Coalition by direct delivery of storage water.

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Maintaining 2016-2022 average management actions is only expected to result in quasi-stabilization of the aquifer (fluctuation of aquifer levels around the 2016-2022 average level) if the following occur:

Natural and incidental recharge to the ESPA do not decrease below 2016-2022 average volumes

Average climatic conditions are equal to 2016-2022 average climate conditions

Management actions result in a change in aquifer stress and are applied at locations with sufficient aquifer retention time to offset the impacts of pumping

Management actions do not result in reductions in incidental recharge to the ESPA

Aquifer recovery is expected to require reducing pumping allocations to meet additional reductions in consumptive use and/or increasing managed recharge of the aquifer