

ARIZONA WATER BANKING AUTHORITY

STORAGE FACILITY INVENTORY



UPDATED

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Final

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Introduction and Background

Pursuant to A.R.S. §45-2452(A), the Arizona Water Banking Authority (AWBA) was required to develop a Storage Facility Inventory (Inventory) of all existing storage facilities in Arizona prior to March 1, 1997. The purpose of the Inventory was "...to determine whether storage facilities exist in this state to meet the water storage needs of the authority for the following ten years" (A.R.S. §45-2452(D)). Pursuant to A.R.S. §45-2452(F), the AWBA is required to update the Inventory at least once every five years. In addition to meeting the mandatory update requirement, the Storage and Interstate Release Agreement (SIRA) requires identification of recharge facilities in the Inventory prior to the AWBA utilizing those facilities for interstate water storage. According to the most current Ten-Year Plan, the AWBA does not expect to conduct interstate water storage at least through 2026.

Inclusion of a facility in the Inventory does not require the specific use of such facility in the future. The AWBA will continue to determine which facilities will be used through its Annual Plan of Operation. Similarly, excluding a facility from the Inventory does not preclude the AWBA from utilizing that facility in the future.

The availability of storage capacity at permitted recharge facilities is one important factor affecting the AWBA's ability to store water. When planning to store water, the AWBA must also consider the availability of water and funding. The availability of one, or lack thereof, affects the significance of the other. For example, if there is no water available to the AWBA, the availability of storage capacity is not relevant. Similarly, when water is available for storage but the funding needed to store that water is limited, the volume of storage capacity becomes less relevant.

Future limitations on both water availability and funding availability are likely to reduce the AWBA's need for storage capacity. As a result of both exceptionally dry conditions and the additional conservation requirements under the Lower Basin Drought Contingency Plan (LBDCP), the AWBA is not expected to have excess CAP water available during the next ten years. However, the AWBA could store CAP water that is turned back during the year and/or may also store water on behalf of others. In the event CAP water turned back during the year becomes available, funding limitations may still limit the AWBA's ability to store that water, particularly in the Pinal and Tucson AMAs. As a component of the LBDCP, withdrawal fees levied in the Pinal AMA during calendar years 2020 through 2026 will not be made available to the AWBA for water storage purposes.

Recharge Facilities Used by AWBA

The AWBA currently holds or has held water storage permits at 29 recharge facilities¹. Those facilities have a cumulative capacity of over 1.5 million acre-feet. Of the 1.5 million acre-feet of capacity, approximately 815,000 acre-feet of capacity is located in the Phoenix AMA, 378,000 acre-feet in the Pinal AMA and nearly 300,000 acre-feet in the Tucson AMA. Table 1 on the following page shows the capacity permitted for all recharge projects by AMA where the AWBA has held or continues to hold a permit to store water. Of these facilities where the AWBA has permits, there are three where the AWBA has never stored water: 1) Hassayampa Recharge Facility, 2) Kai Farms Avra Valley and 3) Vidler Water Company Recharge Project. Moreover, some of these facilities are no longer permitted or not operational as facilities. In some cases, the AWBA has opted not to renew an expired storage permit because of a lack of storage capacity available to the AWBA at the facility. Storage facilities in Table 1 are highlighted in green if they are actively used by the AWBA today.

In addition to the AWBA water storage, facility operators and other recharge partners also store CAP water at these facilities. The AWBA plans for certain volumes of storage capacity at each facility. However, actual capacity available to the AWBA in any given year is subject to facility operation as well as the volume of storage capacity used by others. CAWCD operates six recharge projects, where the AWBA has stored water, with a total capacity of approximately 300,000 acre-feet. Under CAWCD's policy, when storage requests exceed the capacity available, the AWBA receives the same priority as others with statutory firming obligations.

According to the most recent Ten-Year Plan², approximately 293,500 acre-feet of capacity is available to the AWBA at recharge facilities where the AWBA currently stores water. Of the 293,500 acre-feet, approximately 126,500 acre-feet is located in the Phoenix AMA, 140,000 acre-feet of capacity is located in the Pinal AMA and just over 27,000 acre-feet is located in the Tucson AMA. The details for all these facilities can be found in Appendix A to this Inventory.

Through 2021, the total balance of credits accrued by the AWBA through water storage is 4,213,261 acre-feet including 3,599,415 acre-feet for Arizona uses and 613,846 acre-feet of credits for interstate banking purposes. In the Phoenix AMA, the total cumulative balance is 1,930,432 acre-feet including 62,021 acre-feet for interstate banking. In the Pinal AMA, the total cumulative balance is 1,490,394 acre-feet including 440,241 acre-feet for interstate banking. Finally, in the Tucson AMA, the total cumulative

¹ The Gila River Indian Irrigation and Drainage District (GRIIDD) GSF has held permits for the Phoenix AMA and Pinal AMA, as the boundaries of the District crossed the AMA boundary. The GRIIDD no longer holds permits.

² Annual Report. (2020) Arizona Water Banking Authority, Appendix D.

balance is 792,435 acre-feet including 113,584 acre-feet for interstate banking. Table 2 on page 4 identifies the total volume of credits accrued by the AWBA through water storage at individual storage facilities within each AMA. Although the AWBA has also accrued credits through other means such as purchases, those credits were not included in the total since they are not relevant to the analysis for determining storage capacity needs.

Table 1: Permitted Volume of Recharge Projects with AWBA Water Storage Permits

FACILITY NAME	FACILITY TYPE	AMA	PERMITTED VOLUME
TONOPAH DESERT RECHARGE PROJECT	USF	Phoenix	150,000
AGUA FRIA RECHARGE PROJECT CONSTRUCTED	USF	Phoenix	30,000
AGUA FRIA RECHARGE PROJECT MANAGED	USF	Phoenix	30,000
GRANITE REEF UNDERGROUND STORAGE PROJECT	USF	Phoenix	93,000
HASSAYAMPA RECHARGE FACILITY MANAGED	USF	Phoenix	50,000
HIEROGLYPHIC MTNS RECHARGE PROJECT	USF	Phoenix	35,000
SUPERSTITION MOUNTAINS RECHARGE PROJECT	USF	Phoenix	25,000
SALT RIVER PROJECT	GSF	Phoenix	117,000
ROOSEVELT WATER CONSERVATION DISTRICT	GSF	Phoenix	85,000
NEW MAGMA IRRIGATION & DRAINAGE DISTRICT	GSF	Phoenix	80,000
MARICOPA WATER DISTRICT	GSF	Phoenix	40,000
GILA RIVER INDIAN IRRIGATION AND DRAINAGE DISTRICT (PHOENIX)	GSF	Phoenix	37,520
QUEEN CREEK IRRIGATION DISTRICT	GSF	Phoenix	22,000
TONOPAH IRRIGATION DISTRICT	GSF	Phoenix	17,059
CHANDLER HEIGHTS CITRUS IRRIGATION DISTRICT	GSF	Phoenix	3,000
SUBTOTAL PHOENIX AMA			814,579
MARICOPA-STANFIELD IRRIGATION & DRAINAGE DISTRICT	GSF	Pinal	168,114
CENTRAL ARIZONA IRRIGATION & DRAINAGE DISTRICT	GSF	Pinal	110,000
HOHOKAM IRRIGATION AND DRAINAGE DISTRICT	GSF	Pinal	82,000
GILA RIVER INDIAN IRRIGATION AND DRAINAGE DISTRICT (PINAL)	GSF	Pinal	18,480
SUBTOTAL PINAL AMA			378,594
CENTRAL AVRA VALLEY STORAGE AND RECOVERY PROJECT	USF	Tucson	75,000
SOUTHERN AVRA VALLEY STORAGE AND RECOVERY PROJECT	USF	Tucson	75,000
LOWER SANTA CRUZ RECHARGE PROJECT	USF	Tucson	50,000
PIMA MINE ROAD	USF	Tucson	23,500
AVRA VALLEY RECHARGE PROJECT	USF	Tucson	11,000
CORTARO MARANA IRRIGATION DISTRICT	GSF	Tucson	20,000
BKW FARMS	GSF	Tucson	14,324
KAI FARMS (AVRA VALLEY)	GSF	Tucson	12,513
KAI FARMS (RED ROCK)	GSF	Tucson	11,401
SUBTOTAL TUCSON AMA			292,738
VIDLER WATER COMPANY RECHARGE PROJECT	USF	Outside	100,000
GRAND TOTAL			1,585,911

Table 2: Credits Accrued from AWBA Water Storage through 2021 by Recharge Project¹

FACILITY NAME	FACILITY TYPE	AMA	INTRASTATE CREDITS	INTERSTATE CREDITS	TOTAL CREDITS
AGUA FRIA	USF	Phoenix	109,184	2,242	111,426
GRANITE REEF UNDERGROUND STORAGE PROJECT	USF	Phoenix	412,592	-	412,592
HASSAYAMPA RECHARGE FACILITY MANAGED	USF	Phoenix	-	-	-
HIEROGLYPHIC MOUNTAINS RECHARGE PROJECT	USF	Phoenix	98,820	-	98,820
SUPERSTITION MOUNTAINS RECHARGE PROJECT	USF	Phoenix	36,558	-	36,558
TONOPAH DESERT RECHARGE PROJECT	USF	Phoenix	460,657	51,009	511,666
CHANDLER HEIGHTS CITRUS IRRIGATION DISTRICT	GSF	Phoenix	4,517	-	4,517
GILA RIVER INDIAN IRRIGATION AND DRAINAGE DISTRICT (PHOENIX)	GSF	Phoenix	88,313	-	88,313
MARICOPA WATER DISTRICT	GSF	Phoenix	47,171	-	47,171
NEW MAGMA IRRIGATION & DRAINAGE DISTRICT	GSF	Phoenix	354,425	2,850	357,275
QUEEN CREEK IRRIGATION DISTRICT	GSF	Phoenix	118,455	3,449	121,904
ROOSEVELT WATER CONSERVATION DISTRICT	GSF	Phoenix	58,575	-	58,575
SALT RIVER PROJECT	GSF	Phoenix	77,327	-	77,327
TONOPAH IRRIGATION DISTRICT	GSF	Phoenix	3,816	471	4,287
PHOENIX AMA SUBTOTAL			1,870,411	60,021	1,930,432
CENTRAL ARIZONA IRRIGATION & DRAINAGE DISTRICT	GSF	Pinal	238,650	117,514	356,164
GILA RIVER INDIAN IRRIGATION AND DRAINAGE DISTRICT (PINAL)	GSF	Pinal	17,077	-	17,077
HOHOKAM IRRIGATION AND DRAINAGE DISTRICT	GSF	Pinal	397,492	71,427	468,919
MARICOPA-STANFIELD IRRIGATION & DRAINAGE DISTRICT	GSF	Pinal	396,933	251,300	648,233
PINAL AMA SUBTOTAL			1,050,153	440,241	1,490,394
AVRA VALLEY RECHARGE PROJECT	USF	Tucson	64,173	1,315	65,488
CENTRAL AVRA VALLEY STORAGE AND RECOVERY PROJECT	USF	Tucson	90,444	4,717	95,161
LOWER SANTA CRUZ RECHARGE PROJECT	USF	Tucson	252,588	73,930	326,518
PIMA MINE ROAD	USF	Tucson	106,384	31,028	137,412
SOUTHERN AVRA VALLEY STORAGE AND RECOVERY PROJECT	USF	Tucson	129,769	-	129,769
BKW FARMS	GSF	Tucson	3,066	-	3,066
CORTARO MARANA IRRIGATION DISTRICT	GSF	Tucson	17,479	1,425	18,904
KAI FARMS (AVRA VALLEY)	GSF	Tucson	-	-	-
KAI FARMS (RED ROCK)	GSF	Tucson	14,948	1,168	16,116
TUCSON AMA SUBTOTAL			678,851	113,584	792,435
VIDLER WATER COMPANY RECHARGE PROJECT	USF	Outside	-	-	-
GRAND TOTAL			3,599,415	613,846	4,213,261

¹ Does not include credits purchased by the AWBA.

Additional Recharge Projects Not Used by AWBA

In addition to facilities where the AWBA currently stores, there are another 79 permitted recharge facilities in the Phoenix, Pinal and Tucson AMAs with a total capacity of around 586,000 acre-feet. Detailed information about these facilities is available in Appendix B to this Inventory.

Conclusion

To determine whether enough storage capacity is available to meet the AWBA's water storage needs, the available facility capacity is compared to volume of water anticipated for storage. According to the most recent Ten-Year Plan, approximately 293,500 acre-feet of capacity is available at the recharge facilities where the AWBA currently stores water. However, the AWBA does currently anticipate water will be available for storage during the next ten years.

APPENDIX A:
**RECHARGE FACILITIES WHERE THE AWBA HAS HELD
OR STILL HOLDS WATER STORAGE PERMITS**

APPENDIX A - RECHARGE FACILITIES WHERE THE AWBA HAS HELD OR STILL HOLDS WATER STORAGE PERMITS							
PERMIT NUMBER	DURATION	FACILITY NAME	AMA	PERMIT HOLDER	PERMIT VOLUME	TYPE OF WATER	RECHARGE METHOD
71-569776.0010	(12/22/2020 to 12/22/2040)	AGUA FRIA CONSTRUCTED	Phoenix	CENTRAL ARIZONA WATER CONSERVATION DISTRICT	30,000	CAP	BASINS
71-569775.0009	(12/22/2020 to 12/22/2040)	AGUA FRIA MANAGED	Phoenix	CENTRAL ARIZONA WATER CONSERVATION DISTRICT	30,000	CAP	IN-CHANNEL MANAGED
72-534753.0000	(01/01/1995 to 12/31/1995)	CHANDLER HEIGHTS CITRUS IRRIGATION DISTRICT	Phoenix	CENTRAL ARIZONA WATER CONSERVATION DISTRICT	3,000	CAP	INDIRECT
72-211277.0001 (PHX)	(06/16/2006 to 12/31/2010)	GILA RIVER INDIAN IRRIGATION AND DRAINAGE DISTRICT (PHOENIX)	Phoenix	GILA RIVER INDIAN IRRIGATION AND DRAINAGE DISTRICT	37,520	CAP	INDIRECT
71-516371.0001	(03/13/2012 to 03/13/2032)	GRANITE REEF UNDERGROUND STORAGE PROJECT	Phoenix	SALT RIVER PROJECT	93,000	CAP, EFFLUENT, OTHER SURFACE WATER	BASINS
71-216387.0002	(04/18/2013 to 07/29/2031)	HASSAYAMPA RECHARGE FACILITY MANAGED	Phoenix	HASSAYAMPA VENTURES, LLC	50,000	CAP	IN-CHANNEL MANAGED
71-584466.0003	(09/04/2012 to 12/31/2021)	HIEROGLYPHIC MTNS RECHARGE PROJECT	Phoenix	CENTRAL ARIZONA WATER CONSERVATION DISTRICT	35,000	CAP	BASINS
72-558246.0007	(06/19/2015 to 06/19/2025)	MARICOPA WATER DISTRICT	Phoenix	MARICOPA WATER DISTRICT	40,000	CAP	INDIRECT
72-534888.0007	(01/26/2018 to 01/26/2023)	NEW MAGMA IRRIGATION & DRAINAGE DISTRICT	Phoenix	NEW MAGMA IRRIGATION & DRAINAGE DISTRICT	80,000	CAP	INDIRECT
72-534550.0006	(11/17/2019 to 11/17/2021)	QUEEN CREEK IRRIGATION DISTRICT	Phoenix	QUEEN CREEK IRRIGATION DISTRICT	22,000	CAP	INDIRECT
72-545695.0007	(02/01/2021 to 02/01/2031)	ROOSEVELT WATER CONSERVATION DISTRICT	Phoenix	ROOSEVELT WATER CONSERVATION DISTRICT	85,000	OTHER SURFACE WATER, CAP, EFFLUENT	INDIRECT
72-553133.0006	(11/04/2019 to 11/04/2024)	SALT RIVER VALLEY WATER USERS' ASSOCIATION GSF	Phoenix	SALT RIVER PROJECT	117,000	CAP, OTHER SURFACE WATER	INDIRECT

APPENDIX A - RECHARGE FACILITIES WHERE THE AWBA HAS HELD OR STILL HOLDS WATER STORAGE PERMITS							
PERMIT NUMBER	DURATION	FACILITY NAME	AMA	PERMIT HOLDER	PERMIT VOLUME	TYPE OF WATER	RECHARGE METHOD
71-207702.0003	(11/07/2017 to 01/15/2028)	SUPERSTITION MOUNTAINS RECHARGE PROJECT	Phoenix	CENTRAL ARIZONA WATER CONSERVATION DISTRICT	25,000	CAP	BASINS
71-593305.0003	(11/70/2017 to 09/01/2025)	TONOPAH DESERT RECHARGE PROJECT	Phoenix	CENTRAL ARIZONA WATER CONSERVATION DISTRICT	150,000	CAP	BASINS
72-534439.0005	(09/08/2017 to 09/08/2022)	TONOPAH IRRIGATION DISTRICT	Phoenix	TONOPAH IRRIGATION DISTRICT	17,059	CAP	INDIRECT
72-531382.0006	(10/10/2018 to 10/10/2022)	CENTRAL ARIZONA IRRIGATION & DRAINAGE DISTRICT	Pinal	CENTRAL ARIZONA IRRIGATION AND DRAINAGE DISTRICT	110,000	CAP	INDIRECT
72-211277.0001 (PIN)	(06/16/2006 to 12/31/2010)	GILA RIVER INDIAN IRRIGATION AND DRAINAGE DISTRICT (PINAL)	Pinal	GILA RIVER INDIAN IRRIGATION AND DRAINAGE DISTRICT	18,480	CAP	INDIRECT
72-534489.0006	PENDING	HOHOKAM IRRIGATION AND DRAINAGE DISTRICT	Pinal	HOHOKAM IRRIGATION AND DRAINAGE DISTRICT	82,000	CAP	INDIRECT
72-531381.0006	(09/22/2020 to 09/22/2025)	MARICOPA-STANFIELD IRRIGATION & DRAINAGE DISTRICT	Pinal	MARICOPA STANFIELD IRRIGATION DISTRICT	168,114	CAP	INDIRECT
71-564896.0007	(12/22/2020 to 01/29/2039)	AVRA VALLEY RECHARGE PROJECT	Tucson	METROPOLITAN DOMESTIC WATER IMPROVEMENT DISTRICT	11,000	CAP	BASINS
72-538133.0006	(03/02/2021 to 03/02/2026)	BKW FARMS GSF	Tucson	BKW FARMS, INC.	14,324	CAP, EFFLUENT	INDIRECT
71-578806.0003	(07/07/2015 to 07/07/2035)	CENTRAL AVRA VALLEY STORAGE AND RECOVERY PROJECT	Tucson	CITY OF TUCSON/TUCSON WATER	75,000	CAP	BASINS
72-538100.0008	(10/07/2019 to 10/07/2025)	CORTARO MARANA IRRIGATION DISTRICT	Tucson	CORTARO MARANA IRRIGATION DISTRICT	20,000	CAP, EFFLUENT	INDIRECT
72-564430.0000	(04/02/1998 to 04/02/2008)	KAI FARMS (AVRA VALLEY)	Tucson	HERB KAI	12,513	CAP	INDIRECT
72-558092.0005	(02/05/2021 to 02/05/2026)	KAI FARMS RED ROCK GSF	Tucson	HERB KAI	11,401	CAP	INDIRECT

APPENDIX A - RECHARGE FACILITIES WHERE THE AWBA HAS HELD OR STILL HOLDS WATER STORAGE PERMITS							
PERMIT NUMBER	DURATION	FACILITY NAME	AMA	PERMIT HOLDER	PERMIT VOLUME	TYPE OF WATER	RECHARGE METHOD
71-561366.0006	(10/01/2019 to 01/04/2036)	LOWER SANTA CRUZ RECHARGE PROJECT	Tucson	CENTRAL ARIZONA WATER CONSERVATION DISTRICT	50,000	CAP	BASINS
71-577501.0004	(02/02/2021 to 02/02/2041)	PIMA MINE ROAD	Tucson	CENTRAL ARIZONA WATER CONSERVATION DISTRICT	23,500	CAP	BASINS
71-211276.0004	(06/11/2015 to 12/24/2034)	SOUTHERN AVRA VALLEY STORAGE AND RECOVERY PROJECT	Tucson	CITY OF TUCSON/TUCSON WATER	75,000	CAP	BASINS
71-576699.0004	(09/03/2004 to 09/30/2020)	VIDLER WATER COMPANY RECHARGE PROJECT	Outside	VIDLER WATER COMPANY	100,000	CAP	BASINS, VADOSE ZONE WELLS

APPENDIX B:
**RECHARGE FACILITIES WHERE AWBA DOES
NOT HOLD A WATER STORAGE PERMIT**

APPENDIX B - RECHARGE FACILITIES WHERE AWBA DOES NOT HOLD A WATER STORAGE PERMIT							
PERMIT NUMBER	DURATION	FACILITY NAME	AMA	PERMIT HOLDER	PERMIT VOLUME	WATER TYPE	RECHARGE METHOD
71-565257.0004	(07/01/2016 to 12/31/2023)	AVONDALE WETLANDS USF	Phoenix	CITY OF AVONDALE	20,000.00	EFFLUENT, OTHER SURFACE WATER, CAP	BASINS
71-229623.0000	(10/16/2019 to 10/16/2039)	BELL ROAD LAKE - SURPRISE CENTER RECHARGE FACILITY USF	Phoenix	CITY OF SURPRISE	5,600.00	EFFLUENT	VADOSE ZONE WELLS
71-205381.0002	(03/11/2010 to 12/31/2029)	BUCKEYE TARTESSO WATER RECLAMATION FACILITY USF	Phoenix	CITY OF BUCKEYE	1,344.20	EFFLUENT	BASINS
71-228597.0001	(03/05/2021 to 04/08/2039)	BUTLER DRIVE WRF ASR WELL #1 USF	Phoenix	CITY OF PEORIA	1,330.00	EFFLUENT	INJECTION/ASR WELLS
71-541455.0002	(01/27/2015 to 01/27/2035)	CHANDLER OCOTILLO BRINE REDUCTION FACILITY (FMLY INTEL) USF	Phoenix	CITY OF CHANDLER	3,360.00	EFFLUENT	INJECTION/ASR WELLS
71-560347.0007	(01/17/2020 to 01/17/2040)	CHANDLER TUMBLEWEED REGIONAL PARK USF	Phoenix	CITY OF CHANDLER	22,418.00	EFFLUENT	INJECTION/ASR WELLS
71-588551.0002	(10/28/2016 to 10/28/2036)	CITY OF CHANDLER/CHANDLER HEIGHTS RECHARGE PROJECT USF	Phoenix	CITY OF CHANDLER	6,725.00	EFFLUENT	BASINS
71-583023.0003	(10/14/2016 to 10/14/2036)	CITY OF CHANDLER OCOTILLO RECHARGE AND RECOVERY FACILITY USF	Phoenix	CITY OF CHANDLER	16,000.00	EFFLUENT	INJECTION/ASR WELLS
71-216386.0001	(02/24/2012 to 11/30/2029)	CITY OF PHOENIX ASR 6A-WELL 299 USF	Phoenix	CITY OF PHOENIX	1,882.00	CAP	INJECTION/ASR WELLS

APPENDIX B - RECHARGE FACILITIES WHERE AWBA DOES NOT HOLD A WATER STORAGE PERMIT							
PERMIT NUMBER	DURATION	FACILITY NAME	AMA	PERMIT HOLDER	PERMIT VOLUME	WATER TYPE	RECHARGE METHOD
71-226325.0000	(08/28/2017 to 08/28/2037)	CITY OF PHOENIX ASR WELL 302 USF	Phoenix	CITY OF PHOENIX	3,000.00	CAP	INJECTION/ASR WELLS
71-220047.0001	(10/22/2015 to 01/10/2032)	CITY OF PHOENIX ASR WELL 9A-W300	Phoenix	CITY OF PHOENIX	1,060.00	CAP	INJECTION/ASR WELLS
71-229207.0000	(06/17/2019 to 06/17/2039)	CITY OF PHOENIX ASR WELL9A-W303 USF	Phoenix	CITY OF PHOENIX	1,614.00	CAP	INJECTION/ASR WELLS
71-222506.0001	(05/09/2016 to 07/14/2034)	CITY OF PHOENIX CAVE CREEK ASR-1 (CCASR-1) USF	Phoenix	CITY OF PHOENIX	2,903.00	CAP	INJECTION/ASR WELLS
71-595199.0003	(10/06/2008 to 12/17/2024)	CITY OF PHOENIX CAVE CREEK WASTEWATER FACILITY USF	Phoenix	CITY OF PHOENIX	8,961.00	EFFLUENT	VADOSE ZONE WELLS
71-583022.0004	(07/19/2021 to 01/31/2022)	CITY OF SCOTTSDALE NORTH SCOTTSDALE AS&R PROJECT USF	Phoenix	CITY OF SCOTTSDALE	1,613.00	CAP	INJECTION/ASR WELLS
71-560648.0003	(12/07/2008 to 12/31/2025)	CITY OF SCOTTSDALE WATER CAMPUS USF	Phoenix	CITY OF SCOTTSDALE	21,514.00	CAP, EFFLUENT	INJECTION/ASR WELLS, VADOSE ZONE WELLS
71-574911.0002	(02/12/2016 to 08/17/2020)	CITY OF SCOTTSDALE WESTWORLD GOLF COURSE USF	Phoenix	CITY OF SCOTTSDALE	1,000.00	CAP	VADOSE ZONE WELLS
71-562521.0005	(08/03/2017 to 11/30/2021)	CITY OF SURPRISE SPA-1 (SOUTH) USF	Phoenix	CITY OF SURPRISE	8,066.00	EFFLUENT	BASINS, VADOSE ZONE WELLS

APPENDIX B - RECHARGE FACILITIES WHERE AWBA DOES NOT HOLD A WATER STORAGE PERMIT							
PERMIT NUMBER	DURATION	FACILITY NAME	AMA	PERMIT HOLDER	PERMIT VOLUME	WATER TYPE	RECHARGE METHOD
71-218761.0001	(11/22/2011 to 09/14/2031)	CITY OF SURPRISE SPA-2 REGIONAL WRF USF	Phoenix	CITY OF SURPRISE	2,340.00	EFFLUENT	BASINS, VADOSE ZONE WELLS
71-218760.0001	(10/13/2020 to 01/09/2032)	CITY OF SURPRISE SPA-3 WATER RECLAMATION FACILITY USF	Phoenix	CITY OF SURPRISE	4,256.00	EFFLUENT	BASINS, INJECTION/ASR WELLS, VADOSE ZONE WELLS
71-211282.0000	(06/16/2008 to 06/16/2028)	EL MIRAGE CONSTRUCTED RECHARGE FACILITY USF	Phoenix	CITY OF EL MIRAGE	2,240.00	EFFLUENT	BASINS
71-534362.0004	(12/16/2013 to 04/14/2020)	EPCOR SUN CITY WEST USF	Phoenix	EPCOR (SUN CITY WEST) WATER ARIZONA INC.	5,600.00	EFFLUENT	BASINS
71-207708.0001	(12/16/2013 to 03/19/2027)	EPCOR VERRADO RECHARGE FACILITY USF	Phoenix	EPCOR (AGUA FRIA) WATER ARIZONA INC.	500.00	EFFLUENT	VADOSE ZONE WELLS
71-566962.0010	(07/15/2016 to 07/15/2036)	EPCOR WATER ARIZONA INC. ANTHEM USF	Phoenix	EPCOR (ANTHEM) WATER ARIZONA INC.	500.00	CAP, EFFLUENT	TRENCHES, INJECTION/ASR WELLS
71-223849.0000	(09/08/2017 to 09/08/2037)	EPCOR WATER ARIZONA INC. LUKE 303 USF	Phoenix	EPCOR (AGUA FRIA) WATER ARIZONA INC.	326.70	EFFLUENT	BASINS
71-591940.0001	(04/24/2008 to 08/10/2024)	FOUNTAIN HILLS SANITARY DISTRICT USF	Phoenix	FOUNTAIN HILLS SANITARY DISTRICT	2,240.60	EFFLUENT	INJECTION/ASR WELLS
71-591934.0001	(09/08/2010 to 01/31/2024)	GLENDALE ARROWHEAD RANCH RECHARGE FACILITY USF	Phoenix	CITY OF GLENDALE	2,300.00	EFFLUENT	INJECTION/ASR WELLS, VADOSE ZONE WELLS

APPENDIX B - RECHARGE FACILITIES WHERE AWBA DOES NOT HOLD A WATER STORAGE PERMIT							
PERMIT NUMBER	DURATION	FACILITY NAME	AMA	PERMIT HOLDER	PERMIT VOLUME	WATER TYPE	RECHARGE METHOD
71-586730.0002	(06/22/2020 to 03/31/2023)	GLENDALE WESTERN AREA RECHARGE FACILITY USF	Phoenix	CITY OF GLENDALE	7,841.00	EFFLUENT	BASINS, VADOSE ZONE WELLS, TRENCHES
71-591929.0000	(04/14/2003 to 04/30/2023)	GOLD CANYON WWTP USF	Phoenix	GOLD CANYON SEWER COMPANY	1,120.00	EFFLUENT	BASINS
71-226310.0001	(09/18/2020 to 09/18/2040)	GOODYEAR SAT FULL-SCALE RECHARGE FACILITY	Phoenix	CITY OF GOODYEAR	6,570.00	EFFLUENT	BASINS
71-223658.0001	(09/18/2020 to 08/18/2035)	GOODYEAR VIP USF	Phoenix	CITY OF GOODYEAR	150.00	EFFLUENT	VADOSE ZONE WELLS
71-227650.0002	(07/27/2021 to 02/21/2028)	GRIC OLBERG DAM FULL SCALE USF	Phoenix	GILA RIVER INDIAN COMMUNITY	20,000.00	CAP	IN-CHANNEL MANAGED
71-224061.0002	(05/21/2018 to 12/24/2035)	JOHNSON UTILITIES PECAN WATER RECLAMATION PLANT USF	Phoenix	JOHNSON UTILITIES - PHOENIX	4,480.00	EFFLUENT	BASINS, VADOSE ZONE WELLS
71-211287.0001	(03/29/2010 to 12/11/2028)	JOHNSON UTILITIES SECTION 11 RECHARGE FACILITY	Phoenix	JOHNSON UTILITIES - PHOENIX	1,680.00	EFFLUENT	BASINS
71-563943.0005	(02/18/2021 to 02/18/2041)	KEN MCDONALD RECHARGE FACILITY USF	Phoenix	CITY OF TEMPE	3,363.00	CAP, EFFLUENT, OTHER SURFACE WATER	INJECTION/ASR WELLS
72-534978.0000	(12/30/1994 to 12/31/2022)	LPSCO GSF	Phoenix	LITCHFIELD PARK SERVICE CO DBA LIBERTY WATER	840.00	EFFLUENT	INDIRECT

APPENDIX B - RECHARGE FACILITIES WHERE AWBA DOES NOT HOLD A WATER STORAGE PERMIT							
PERMIT NUMBER	DURATION	FACILITY NAME	AMA	PERMIT HOLDER	PERMIT VOLUME	WATER TYPE	RECHARGE METHOD
71-546845.0003	(10/14/2016 to 10/14/2036)	OCOTILLO MANAGEMENT GROUP USF	Phoenix	OCOTILLO MANAGEMENT GROUP	1,000.00	EFFLUENT	VADOSE ZONE WELLS
71-552497.0004	(03/02/2010 to 12/31/2024)	PEORIA BEARDSLEY ROAD WATER RECLAMATION FACILITY USF	Phoenix	CITY OF PEORIA	4,480.00	EFFLUENT	BASINS
71-220046.0001	(02/14/2013 to 11/07/2031)	PEORIA VISTANCIA RECHARGE FACILITY USF	Phoenix	CITY OF PEORIA	673.00	EFFLUENT	VADOSE ZONE WELLS
71-560427.0002	(04/03/2008 to 12/10/2027)	PIMA UTILITY SUN LAKES USF	Phoenix	PIMA UTILITY COMPANY	732.00	EFFLUENT	INJECTION/ASR WELLS
72-572386.0006	(02/03/2021 to 02/03/2026)	ROOSEVELT IRRIGATION DISTRICT GSF	Phoenix	ROOSEVELT IRRIGATION DISTRICT	133,000.00	OTHER SURFACE WATER, EFFLUENT, CAP	INDIRECT
71-588558.0006	(03/25/2019 to 12/22/2025)	SRP NEW RIVER AGUA FRIA UNDERGROUND STORAGE PROJECT USF	Phoenix	SALT RIVER PROJECT	75,000.00	OTHER SURFACE WATER, EFFLUENT, CAP	BASINS
71-584469.0003	(09/04/2020 to 09/04/2040)	SUPERSTITION MOUNTAINS COMMUNITY FACILITIES DISTRICT #1 USF	Phoenix	SUPERSTITION MOUNTAINS COMMUNITY FACILITIES DIST. NO. 1	2,352.00	EFFLUENT	BASINS
71-224000.0002	(02/04/2021 to 07/17/2035)	SUSTAINABLE EFFLUENT TO AQUIFER PROJECT (SEAP) USF	Phoenix	LIBERTY UTILITIES (LITCHFIELD PARK WATER & SEWER) CORP.	4,000.00	EFFLUENT	BASINS
71-591935.0001	(02/19/2020 to 11/30/2024)	TOWN OF GILBERT MUNICIPAL CENTER USF	Phoenix	TOWN OF GILBERT	2,240.00	EFFLUENT	VADOSE ZONE WELLS

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PERMIT NUMBER	DURATION	FACILITY NAME	AMA	PERMIT HOLDER	PERMIT VOLUME	WATER TYPE	RECHARGE METHOD
71-520379.0003	(11/21/2014 to 11/21/2034)	TOWN OF GILBERT NEELY RECHARGE FACILITYUSF	Phoenix	TOWN OF GILBERT	2,240.00	EFFLUENT	BASINS
71-564416.0003	(11/24/2017 to 11/24/2037)	TOWN OF GILBERT RIPARIAN PRESERVE USF	Phoenix	TOWN OF GILBERT	8,961.00	OTHER SURFACE WATER, CAP, EFFLUENT	BASINS
71-595198.0002	(02/19/2020 to 11/30/2024)	TOWN OF GILBERT SOUTH RECHARGE FACILITY USF	Phoenix	TOWN OF GILBERT	4,032.00	EFFLUENT	BASINS
71-209000.0002	(05/23/2012 to 07/25/2028)	ARIZONA CITY SANITARY DISTRICT USF	Pinal	ARIZONA CITY SANITARY DISTRICT	1,120.00	EFFLUENT	BASINS
71-221491.0000	(04/18/2013 to 04/18/2033)	CASA GRANDE CONSTRUCTED RECHARGE FACILITY	Pinal	CITY OF CASA GRANDE	2,100.00	EFFLUENT	BASINS
71-221492.0001	(05/30/2018 to 12/16/2033)	CASA GRANDE MANAGED RECHARGE FACILITY USF	Pinal	CITY OF CASA GRANDE	3,500.00	EFFLUENT	IN-CHANNEL MANAGED
71-211286.0000	(11/25/2011 to 11/25/2031)	EJR RANCH USF	Pinal	PICACHO SEWER CO	272.00	EFFLUENT	INJECTION/ASR WELLS
71-220045.0001	(02/16/2018 to 11/17/2031)	ELOY DETENTION CENTER USF	Pinal	CORECIVIC, INC.	2,726.00	EFFLUENT	BASINS
71-591932.0001	(04/09/2012 to 02/03/2024)	ELOY RECLAIMED WATER RECHARGE PROJECT	Pinal	CITY OF ELOY	2,240.00	EFFLUENT	BASINS

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PERMIT NUMBER	DURATION	FACILITY NAME	AMA	PERMIT HOLDER	PERMIT VOLUME	WATER TYPE	RECHARGE METHOD
71-231481.0000	(05/14/2020 to 05/14/2025)	GRIC CHOLLA MOUNTAIN MANAGED USF	Pinal	GILA RIVER INDIAN COMMUNITY	10,000.00	CAP	IN-CHANNEL MANAGED
71-230450.0000	(10/05/2020 to 10/05/2040)	GROVES USF	Pinal	GLOBAL WATER-PALO VERDE UTILITIES COMPANY, LLC	1,250.00	EFFLUENT	BASINS, INJECTION/ASR WELLS
71-211290.0000	(03/29/2010 to 03/29/2030)	JOHNSON UTILITIES ANTHEM AT MERRILL RANCH USF	Pinal	JOHNSON UTILITIES - PINAL	3,360.00	EFFLUENT	BASINS, VADOSE ZONE WELLS
71-224242.0002	(02/20/2020 to 01/19/2036)	PINAL VALLEY RECHARGE PROJECT USF	Pinal	ARIZONA WATER COMPANY - PINAL VALLEY	2,384.00	CAP	BASINS
71-211285.0000	(11/25/2011 to 11/25/2031)	SANTA ROSA UTILITY COMPANY USF	Pinal	SANTA ROSA UTILITY COMPANY	2,577.00	EFFLUENT	BASINS, INJECTION/ASR WELLS
71-211279.0000	(07/25/2007 to 07/25/2027)	SOUTHWEST WATER DISTRIBUTION CENTER USF	Pinal	GLOBAL WATER - PALO VERDE UTILITIES COMPANY, INC.	1,120.00	EFFLUENT	INJECTION/ASR WELLS
71-216374.0000	(10/17/2008 to 10/17/2028)	SOUTHWEST WATR RECLAMATION FACILITY (CAMPUS 2)	Pinal	GLOBAL WATER - PALO VERDE UTILITIES COMPANY, INC.	1,120.00	EFFLUENT	INJECTION/ASR WELLS
71-591938.0002	(02/25/2008 to 12/31/2023)	SUN LAKES AT CASA GRANDE EFFLUENT RECHARGE FACILITY	Pinal	PICACHO SEWER CO	340.40	EFFLUENT	BASINS, VADOSE ZONE WELLS
71-229031.0000	(10/01/2019 to 10/01/2039)	TOWN OF FLORENCE USF	Pinal	TOWN OF FLORENCE	2,802.00	EFFLUENT	BASINS

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72-084101.0000	(02/11/20008 to)	ASARCO GSF	Tucson	ASARCO LLC	10,000.00	CAP	INDIRECT
72-563502.0005	(02/05/2021 to 02/05/2026)	BKW MILEWIDE GSF	Tucson	BKW FARMS, INC.	612.80	CAP	INDIRECT
71-224073.0000	(09/14/2015 to 09/14/2033)	BLACK WASH USF - PIMA COUNTY RWRD	Tucson	PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DEPARTMENT	4,480.00	EFFLUENT	BASINS
72-584465.0003	(03/24/2017 to 03/24/2022)	FICO-SAHUARITA FARM GSF	Tucson	FARMERS INVESTMENT COMPANY	22,000.00	CAP	INDIRECT
71-231174.0001	(12/17/2020 to 06/15/2040)	GREEN VALLEY RECHARGE PROJECT USF	Tucson	PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DEPARTMENT	640.00	EFFLUENT	BASINS
71-591928.0001	(02/11/2013 to 11/30/2023)	LOWER SANTA CRUZ RIVER MANAGED USF	Tucson	CORTARO-MARANA IRRIGATION DISTRICT	43,000.00	EFFLUENT	IN-CHANNEL MANAGED
71-563876.0008	(03/24/2017 to 11/24/2028)	MARANA HIGH PLAINS EFFLUENT RECHARGE PROJECT USF	Tucson	PIMA COUNTY REGIONAL FLOOD CONTROL DISTRICT	600.00	OTHER SURFACE WATER, EFFLUENT	BASINS
71-224578.0000	(04/07/2016 to 04/07/2036)	MARANA WRF RECHARGE PROJECT USF	Tucson	TOWN OF MARANA	3,920.00	EFFLUENT	BASINS
71-211284.0002	(06/19/2015 to 02/10/2029)	PCRWRD CORONA DE TUCSON RECHARGE FACILITY USF	Tucson	PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DEPARTMENT	1,120.00	EFFLUENT	BASINS

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PERMIT NUMBER	DURATION	FACILITY NAME	AMA	PERMIT HOLDER	PERMIT VOLUME	WATER TYPE	RECHARGE METHOD
71-222410.0000	(11/25/2014 to 11/25/2034)	PROJECT RENEWS CONSTRUCTED UNDERGROUND STORAGE FACILITY	Tucson	JPAR, LLC	3,000.00	CAP	BASINS
71-581379.0001	(12/17/2003 to 04/02/2021)	ROBSON RANCH QUAIL CREEK, LLC USF	Tucson	ROBSON RANCH QUAIL CREEK, LLC	2,240.30	EFFLUENT	BASINS
71-221721.0001	(04/06/2018 to 12/02/2033)	SADDLEBROOKE WATER RECLAMATION PLANT CONSTRUCTED USF	Tucson	SADDLEBROOKE UTILITY COMPANY	2,090.00	EFFLUENT	BASINS, INJECTION/ASR WELLS
71-545944.0003	(06/09/2020 to 06/09/2040)	SANTA CRUZ MANAGED USF	Tucson	CITY OF TUCSON/TUCSON WATER	9,307.00	EFFLUENT	IN-CHANNEL MANAGED
71-228412.0001	(12/12/2019 to 09/23/2039)	SANTA CRUZ RIVER HERITAGE PROJECT MANAGED USF	Tucson	CITY OF TUCSON/TUCSON WATER	3,150.00	EFFLUENT	IN-CHANNEL MANAGED
71-520083.0003	(10/14/2020 to 05/19/2028)	SWEETWATER RECHARGE FACILITIES USF	Tucson	CITY OF TUCSON/TUCSON WATER	13,000.00	EFFLUENT	BASINS
71-595209.0001	(04/09/2020 to 04/09/2040)	TOWN OF SAHUARITA	Tucson	TOWN OF SAHUARITA PUBLIC WORKS	3,360.00	EFFLUENT	BASINS, INJECTION/ASR WELLS
71-225060.0001	(11/20/2020 to 06/03/2036)	TUCSON WATER SHARP USF	Tucson	CITY OF TUCSON/TUCSON WATER	4,000.00	EFFLUENT	BASINS